***Supplementary Material***

**Supplementary 1** 16678 orthogroups of 14 fungi genome using OrthoFinder2

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>Orthogroup6: BCIN|XP\_001557605.1 BCIN|XP\_001558640.2 BCIN|XP\_024546781.1 BCIN|XP\_024548618.1 BCIN|XP\_024553838.1 CFRU|XP\_031875507.1 CFRU|XP\_031876575.1 CFRU|XP\_031877887.1 CFRU|XP\_031878055.1 CFRU|XP\_031878090.1 CFRU|XP\_031879133.1 CFRU|XP\_031879932.1 CFRU|XP\_031880292.1 CFRU|XP\_031880304.1 CFRU|XP\_031880462.1 CFRU|XP\_031880740.1 CFRU|XP\_031881125.1 CFRU|XP\_031881559.1 CFRU|XP\_031881563.1 CFRU|XP\_031882118.1 CFRU|XP\_031883050.1 CFRU|XP\_031883123.1 CFRU|XP\_031883611.1 CFRU|XP\_031884003.1 CFRU|XP\_031884950.1 CFRU|XP\_031885099.1 CFRU|XP\_031885183.1 CFRU|XP\_031888335.1 CFRU|XP\_031889152.1 CFRU|XP\_031889631.1 CFRU|XP\_031890068.1 CFRU|XP\_031890095.1 CFRU|XP\_031890246.1 CFRU|XP\_031891684.1 CFRU|XP\_031892038.1 CFRU|XP\_031892904.1 CFRU|XP\_031893248.1 CGLO|KAF3798155.1 CGLO|KAF3798315.1 CGLO|KAF3799001.1 CGLO|KAF3800248.1 CGLO|KAF3800719.1 CGLO|KAF3800861.1 CGLO|KAF3800887.1 CGLO|KAF3801046.1 CGLO|KAF3801424.1 CGLO|KAF3801853.1 CGLO|KAF3802012.1 CGLO|KAF3802878.1 CGLO|KAF3803721.1 CGLO|KAF3805017.1 CGLO|KAF3805634.1 CGLO|KAF3805656.1 CGLO|KAF3806073.1 CGLO|KAF3806633.1 CGLO|KAF3807255.1 CGLO|KAF3807647.1 CGLO|KAF3807722.1 CGLO|KAF3808208.1 CGLO|KAF3808802.1 CGLO|KAF3808929.1 CGLO|KAF3809792.1 CGLO|KAF3810378.1 CGLO|KAF3810379.1 CGLO|KAF3810537.1 CGLO|KAF3810962.1 CGLO|KAF3811171.1 CGLO|KAF3812188.1 CHIG|XP\_018150796.1 CHIG|XP\_018150840.1 CHIG|XP\_018152514.1 CHIG|XP\_018155060.1 CHIG|XP\_018155727.1 CHIG|XP\_018156670.1 CHIG|XP\_018157953.1 CHIG|XP\_018158104.1 CHIG|XP\_018158478.1 CHIG|XP\_018159077.1 CHIG|XP\_018160411.1 CHIG|XP\_018163673.1 CHIG|XP\_018163723.1 CHIG|XP\_018164750.1 CVIN|KAF4901934.1 CVIN|KAF4902334.1 CVIN|KAF4906499.1 CVIN|KAF4906820.1 CVIN|KAF4907243.1 CVIN|KAF4909110.1 CVIN|KAF4909111.1 CVIN|KAF4911850.1 CVIN|KAF4913566.1 CVIN|KAF4914549.1 CVIN|KAF4915188.1 CVIN|KAF4915581.1 CVIN|KAF4917632.1 CVIN|KAF4918005.1 CVIN|KAF4918525.1 CVIN|KAF4918913.1 CVIN|KAF4919140.1 CVIN|KAF4919638.1 CVIN|KAF4920754.1 CVIN|KAF4920974.1 CVIN|KAF4920975.1 CVIN|KAF4922375.1 CVIN|KAF4922902.1 CVIN|KAF4923443.1 CVIN|KAF4923847.1 CVIN|KAF4924303.1 CVIN|KAF4927088.1 CVIN|KAF4927809.1 CVIN|KAF4928191.1 CVIN|KAF4928493.1 CVIN|KAF4931234.1 CVYL|A00202 CVYL|A00337 CVYL|A00485 CVYL|A00526 CVYL|A00862 CVYL|A01158 CVYL|A01468 CVYL|A02440 CVYL|A04333 CVYL|A05135 CVYL|A05173 CVYL|A05733 CVYL|A06609 CVYL|A06714 CVYL|A07660 CVYL|A07920 CVYL|A09057 CVYL|A10735 CVYL|A10944 CVYL|A10947 CVYL|A11100 CVYL|A11127 CVYL|A11591 CVYL|A11604 CVYL|A12346 CVYL|A12388 CVYL|A12854 CVYL|A12951 CVYL|A13615 CVYL|A14657 FGRM|XP\_011315823.1 FGRM|XP\_011316265.1 FGRM|XP\_011319298.1 FGRM|XP\_011320355.1 FGRM|XP\_011322458.1 FGRM|XP\_011323256.1 FGRM|XP\_011325182.1 FGRM|XP\_011325351.1 FGRM|XP\_011325632.1 FGRM|XP\_011325772.1 FGRM|XP\_011325875.1 FGRM|XP\_011325947.1 FGRM|XP\_011327408.1 FGRM|XP\_011327483.1 MGRA|XP\_003847413.1 MGRA|XP\_003849925.1 MGRA|XP\_003852060.1 MGRA|XP\_003853682.1 MGRA|XP\_003855526.1 MORY|QBZ54443.1 MORY|QBZ54501.1 MORY|QBZ59490.1 MORY|QBZ61226.1 MORY|QBZ63744.1 MORY|QBZ64382.1 NCRA|XP\_001728062.2 NCRA|XP\_001728071.2 NCRA|XP\_958118.2 NCRA|XP\_958230.3 NCRA|XP\_959360.1 NCRA|XP\_962350.1 NCRA|XP\_962566.3 SSCL|APA07431.1 SSCL|APA12600.1 SSCL|APA14823.1 SSCL|APA15329.1

>Orthogroup7: ANID|CBF73873.1 ANID|CBF76046.1 ANID|CBF78879.1 ANID|CBF80597.1 ANID|CBF82022.1 ANID|CBF83093.1 ANID|CBF84291.1 ANID|CBF87265.1 ANID|CBF88300.1 BCIN|XP\_001551296.1 BCIN|XP\_001553250.1 BCIN|XP\_001557507.1 BCIN|XP\_001560552.2 BCIN|XP\_024546022.1 BCIN|XP\_024546639.1 BCIN|XP\_024546923.1 BCIN|XP\_024547483.1 BCIN|XP\_024547765.1 BCIN|XP\_024548200.1 BCIN|XP\_024549607.1 BCIN|XP\_024549948.1 BCIN|XP\_024550950.1 BCIN|XP\_024551770.1 BCIN|XP\_024551829.1 CFRU|XP\_031876562.1 CFRU|XP\_031876728.1 CFRU|XP\_031877915.1 CFRU|XP\_031879013.1 CFRU|XP\_031879098.1 CFRU|XP\_031880004.1 CFRU|XP\_031880356.1 CFRU|XP\_031881079.1 CFRU|XP\_031881998.1 CFRU|XP\_031882199.1 CFRU|XP\_031883819.1 CFRU|XP\_031885632.1 CFRU|XP\_031885826.1 CFRU|XP\_031887758.1 CFRU|XP\_031887836.1 CFRU|XP\_031891784.1 CFRU|XP\_031891825.1 CFRU|XP\_031892352.1 CFRU|XP\_031892878.1 CFRU|XP\_031893375.1 CGLO|KAF3797165.1 CGLO|KAF3798679.1 CGLO|KAF3798815.1 CGLO|KAF3798856.1 CGLO|KAF3798993.1 CGLO|KAF3799180.1 CGLO|KAF3800070.1 CGLO|KAF3800443.1 CGLO|KAF3800881.1 CGLO|KAF3801337.1 CGLO|KAF3802278.1 CGLO|KAF3803276.1 CGLO|KAF3804409.1 CGLO|KAF3805689.1 CGLO|KAF3806822.1 CGLO|KAF3807239.1 CGLO|KAF3808048.1 CGLO|KAF3810066.1 CGLO|KAF3810128.1 CGLO|KAF3810882.1 CHIG|XP\_018150809.1 CHIG|XP\_018151209.1 CHIG|XP\_018152749.1 CHIG|XP\_018152904.1 CHIG|XP\_018154906.1 CHIG|XP\_018155052.1 CHIG|XP\_018155417.1 CHIG|XP\_018156527.1 CHIG|XP\_018156536.1 CHIG|XP\_018156683.1 CHIG|XP\_018157477.1 CHIG|XP\_018157960.1 CHIG|XP\_018159356.1 CHIG|XP\_018160233.1 CHIG|XP\_018161084.1 CHIG|XP\_018161119.1 CHIG|XP\_018161383.1 CHIG|XP\_018164605.1 CHIG|XP\_018165015.1 CHIG|XP\_018165016.1 CVIN|KAF4902809.1 CVIN|KAF4910742.1 CVIN|KAF4911858.1 CVIN|KAF4912144.1 CVIN|KAF4912758.1 CVIN|KAF4916360.1 CVIN|KAF4918496.1 CVIN|KAF4918848.1 CVIN|KAF4918854.1 CVIN|KAF4919334.1 CVIN|KAF4919589.1 CVIN|KAF4920327.1 CVIN|KAF4920674.1 CVIN|KAF4922824.1 CVIN|KAF4923496.1 CVIN|KAF4928173.1 CVIN|KAF4928643.1 CVIN|KAF4930960.1 CVYL|A00325 CVYL|A01833 CVYL|A02262 CVYL|A02662 CVYL|A02719 CVYL|A03711 CVYL|A04109 CVYL|A06768 CVYL|A07747 CVYL|A07912 CVYL|A08184 CVYL|A09079 CVYL|A09115 CVYL|A09417 CVYL|A09860 CVYL|A10407 CVYL|A11119 FGRM|XP\_011318231.1 FGRM|XP\_011319978.1 FGRM|XP\_011321440.1 FGRM|XP\_011321815.1 FGRM|XP\_011322136.1 FGRM|XP\_011323237.1 FGRM|XP\_011324179.1 FGRM|XP\_011324331.1 FGRM|XP\_011325265.1 FGRM|XP\_011325843.1 FGRM|XP\_011328115.1 MGRA|XP\_003850560.1 MGRA|XP\_003854164.1 MGRA|XP\_003856898.1 MGRA|XP\_003856911.1 MLAR|XP\_007409999.1 MLAR|XP\_007412745.1 MLAR|XP\_007412778.1 MORY|QBZ53487.1 MORY|QBZ53541.1 MORY|QBZ56068.1 MORY|QBZ56621.1 MORY|QBZ63928.1 MORY|QBZ65339.1 MORY|QBZ66432.1 MORY|QBZ66433.1 NCRA|XP\_011395299.1 NCRA|XP\_957468.3 NCRA|XP\_958171.3 NCRA|XP\_960508.2 SSCL|APA05349.1 SSCL|APA06474.1 SSCL|APA07571.1 SSCL|APA08026.1 SSCL|APA10737.1 SSCL|APA12062.1 SSCL|APA14669.1 SSCL|APA14869.1

>Orthogroup8: ANID|CBF76241.1 ANID|CBF76690.1 ANID|CBF80682.1 ANID|CBF81700.1 ANID|CBF83918.1 ANID|CBF84486.1 ANID|CBF89418.1 ANID|CBF89972.1 BCIN|XP\_001548851.1 BCIN|XP\_024551001.1 BGRA|VCU40843.1 CFRU|XP\_031876471.1 CFRU|XP\_031877345.1 CFRU|XP\_031879090.1 CFRU|XP\_031879231.1 CFRU|XP\_031879606.1 CFRU|XP\_031879776.1 CFRU|XP\_031880261.1 CFRU|XP\_031880957.1 CFRU|XP\_031881683.1 CFRU|XP\_031884055.1 CFRU|XP\_031884466.1 CFRU|XP\_031885954.1 CFRU|XP\_031886106.1 CFRU|XP\_031886196.1 CFRU|XP\_031887005.1 CFRU|XP\_031888035.1 CFRU|XP\_031888753.1 CFRU|XP\_031889734.1 CFRU|XP\_031890104.1 CFRU|XP\_031890217.1 CFRU|XP\_031891149.1 CFRU|XP\_031891296.1 CFRU|XP\_031891660.1 CFRU|XP\_031891661.1 CFRU|XP\_031891853.1 CFRU|XP\_031892101.1 CFRU|XP\_031892239.1 CFRU|XP\_031892924.1 CGLO|KAF3797622.1 CGLO|KAF3798266.1 CGLO|KAF3798372.1 CGLO|KAF3798569.1 CGLO|KAF3798772.1 CGLO|KAF3799904.1 CGLO|KAF3801355.1 CGLO|KAF3801374.1 CGLO|KAF3802764.1 CGLO|KAF3804152.1 CGLO|KAF3804616.1 CGLO|KAF3805089.1 CGLO|KAF3805516.1 CGLO|KAF3807448.1 CGLO|KAF3809030.1 CGLO|KAF3809714.1 CGLO|KAF3809736.1 CGLO|KAF3810323.1 CGLO|KAF3810407.1 CGLO|KAF3810496.1 CGLO|KAF3811231.1 CGLO|KAF3811986.1 CHIG|XP\_018152739.1 CHIG|XP\_018153775.1 CHIG|XP\_018154024.1 CHIG|XP\_018154172.1 CHIG|XP\_018155256.1 CHIG|XP\_018155383.1 CHIG|XP\_018155865.1 CHIG|XP\_018156781.1 CHIG|XP\_018158346.1 CHIG|XP\_018159288.1 CHIG|XP\_018159678.1 CHIG|XP\_018160909.1 CHIG|XP\_018161223.1 CHIG|XP\_018164795.1 CHIG|XP\_018164815.1 CHIG|XP\_018164924.1 CVIN|KAF4895118.1 CVIN|KAF4897309.1 CVIN|KAF4903854.1 CVIN|KAF4903980.1 CVIN|KAF4907817.1 CVIN|KAF4910282.1 CVIN|KAF4910493.1 CVIN|KAF4912205.1 CVIN|KAF4912763.1 CVIN|KAF4913312.1 CVIN|KAF4915622.1 CVIN|KAF4916912.1 CVIN|KAF4918283.1 CVIN|KAF4918314.1 CVIN|KAF4918528.1 CVIN|KAF4921913.1 CVIN|KAF4921918.1 CVIN|KAF4922841.1 CVIN|KAF4923765.1 CVIN|KAF4924674.1 CVIN|KAF4927442.1 CVIN|KAF4929423.1 CVIN|KAF4930168.1 CVIN|KAF4930427.1 CVIN|KAF4931280.1 CVYL|A01609 CVYL|A03346 CVYL|A03774 CVYL|A04872 CVYL|A05521 CVYL|A05639 CVYL|A05657 CVYL|A05777 CVYL|A06301 CVYL|A06469 CVYL|A06637 CVYL|A06660 CVYL|A07707 CVYL|A07726 CVYL|A08091 CVYL|A08198 CVYL|A09150 CVYL|A09248 CVYL|A09617 CVYL|A09796 CVYL|A10956 CVYL|A11078 CVYL|A14100 FGRM|XP\_011318293.1 FGRM|XP\_011319690.1 FGRM|XP\_011322798.1 FGRM|XP\_011323108.1 FGRM|XP\_011323278.1 FGRM|XP\_011324312.1 FGRM|XP\_011325270.1 FGRM|XP\_011325727.1 FGRM|XP\_011326068.1 MGRA|XP\_003848636.1 MGRA|XP\_003851735.1 MLAR|XP\_007404301.1 MLAR|XP\_007404302.1 MORY|QBZ53941.1 MORY|QBZ54943.1 MORY|QBZ56738.1 MORY|QBZ57869.1 MORY|QBZ58221.1 MORY|QBZ58470.1 MORY|QBZ60061.1 MORY|QBZ60745.1 MORY|QBZ63541.1 MORY|QBZ64320.1 NCRA|XP\_958667.3 NCRA|XP\_962567.2 NCRA|XP\_963398.2 SSCL|APA11635.1 SSCL|APA15972.1

>Orthogroup9: BCIN|XP\_001550524.2 BCIN|XP\_001557416.2 CFRU|XP\_031877571.1 CFRU|XP\_031878482.1 CFRU|XP\_031882428.1 FGRM|XP\_011327644.1 MORY|QBZ57624.1 MORY|QBZ60185.1 SSCL|APA05390.1 SSCL|APA05507.1 SSCL|APA05595.1 SSCL|APA05653.1 SSCL|APA05702.1 SSCL|APA05703.1 SSCL|APA05842.1 SSCL|APA06035.1 SSCL|APA06036.1 SSCL|APA06070.1 SSCL|APA06113.1 SSCL|APA06228.1 SSCL|APA06283.1 SSCL|APA06391.1 SSCL|APA06567.1 SSCL|APA07162.1 SSCL|APA07164.1 SSCL|APA07191.1 SSCL|APA07240.1 SSCL|APA07321.1 SSCL|APA07421.1 SSCL|APA07461.1 SSCL|APA07500.1 SSCL|APA07544.1 SSCL|APA07643.1 SSCL|APA07644.1 SSCL|APA07651.1 SSCL|APA07664.1 SSCL|APA07679.1 SSCL|APA07723.1 SSCL|APA07899.1 SSCL|APA07999.1 SSCL|APA08028.1 SSCL|APA08178.1 SSCL|APA08490.1 SSCL|APA08524.1 SSCL|APA08686.1 SSCL|APA08690.1 SSCL|APA08691.1 SSCL|APA08874.1 SSCL|APA08899.1 SSCL|APA09133.1 SSCL|APA09250.1 SSCL|APA09260.1 SSCL|APA09261.1 SSCL|APA09265.1 SSCL|APA09324.1 SSCL|APA09329.1 SSCL|APA09356.1 SSCL|APA09357.1 SSCL|APA09367.1 SSCL|APA09475.1 SSCL|APA09565.1 SSCL|APA09566.1 SSCL|APA09579.1 SSCL|APA09827.1 SSCL|APA09829.1 SSCL|APA09832.1 SSCL|APA10059.1 SSCL|APA10084.1 SSCL|APA10130.1 SSCL|APA10190.1 SSCL|APA10207.1 SSCL|APA10233.1 SSCL|APA10234.1 SSCL|APA10279.1 SSCL|APA10280.1 SSCL|APA10377.1 SSCL|APA10378.1 SSCL|APA10425.1 SSCL|APA10432.1 SSCL|APA10615.1 SSCL|APA10729.1 SSCL|APA10741.1 SSCL|APA10744.1 SSCL|APA10753.1 SSCL|APA10756.1 SSCL|APA10757.1 SSCL|APA10916.1 SSCL|APA10917.1 SSCL|APA11244.1 SSCL|APA11330.1 SSCL|APA11339.1 SSCL|APA11352.1 SSCL|APA11411.1 SSCL|APA11414.1 SSCL|APA11491.1 SSCL|APA11595.1 SSCL|APA11745.1 SSCL|APA11912.1 SSCL|APA11929.1 SSCL|APA12031.1 SSCL|APA12582.1 SSCL|APA12900.1 SSCL|APA13175.1 SSCL|APA13179.1 SSCL|APA13267.1 SSCL|APA13448.1 SSCL|APA13454.1 SSCL|APA13623.1 SSCL|APA13657.1 SSCL|APA13781.1 SSCL|APA13988.1 SSCL|APA13989.1 SSCL|APA14001.1 SSCL|APA14076.1 SSCL|APA14077.1 SSCL|APA14078.1 SSCL|APA14091.1 SSCL|APA14100.1 SSCL|APA14250.1 SSCL|APA14283.1 SSCL|APA14436.1 SSCL|APA14487.1 SSCL|APA14492.1 SSCL|APA14493.1 SSCL|APA14522.1 SSCL|APA14546.1 SSCL|APA14556.1 SSCL|APA14877.1 SSCL|APA14933.1 SSCL|APA14950.1 SSCL|APA14951.1 SSCL|APA14978.1 SSCL|APA14985.1 SSCL|APA15105.1 SSCL|APA15109.1 SSCL|APA15330.1 SSCL|APA15478.1 SSCL|APA15479.1 SSCL|APA15585.1 SSCL|APA15586.1 SSCL|APA15587.1 SSCL|APA15656.1 SSCL|APA15697.1 SSCL|APA15698.1 SSCL|APA15753.1 SSCL|APA15760.1 SSCL|APA15761.1 SSCL|APA15815.1 SSCL|APA16027.1

>Orthogroup10: ANID|CBF73963.1 ANID|CBF73967.1 ANID|CBF80737.1 ANID|CBF87243.1 ANID|CBF87249.1 ANID|CBF87253.1 BGRA|VDB93572.1 CFRU|XP\_031875597.1 CFRU|XP\_031875802.1 CFRU|XP\_031876413.1 CFRU|XP\_031878198.1 CFRU|XP\_031878326.1 CFRU|XP\_031878685.1 CFRU|XP\_031878866.1 CFRU|XP\_031879077.1 CFRU|XP\_031879339.1 CFRU|XP\_031882997.1 CFRU|XP\_031884468.1 CFRU|XP\_031884571.1 CFRU|XP\_031885904.1 CFRU|XP\_031887329.1 CFRU|XP\_031889552.1 CFRU|XP\_031890893.1 CFRU|XP\_031890904.1 CFRU|XP\_031891703.1 CFRU|XP\_031891970.1 CFRU|XP\_031892078.1 CFRU|XP\_031892161.1 CFRU|XP\_031893577.1 CGLO|KAF3798054.1 CGLO|KAF3798806.1 CGLO|KAF3801401.1 CGLO|KAF3801429.1 CGLO|KAF3801508.1 CGLO|KAF3801782.1 CGLO|KAF3802598.1 CGLO|KAF3803842.1 CGLO|KAF3804758.1 CGLO|KAF3805487.1 CGLO|KAF3807951.1 CGLO|KAF3808533.1 CGLO|KAF3809391.1 CGLO|KAF3809508.1 CGLO|KAF3809789.1 CGLO|KAF3810329.1 CGLO|KAF3810343.1 CGLO|KAF3810644.1 CGLO|KAF3811758.1 CHIG|XP\_018151549.1 CHIG|XP\_018151886.1 CHIG|XP\_018152619.1 CHIG|XP\_018152652.1 CHIG|XP\_018153109.1 CHIG|XP\_018153374.1 CHIG|XP\_018155045.1 CHIG|XP\_018155790.1 CHIG|XP\_018156715.1 CHIG|XP\_018158102.1 CHIG|XP\_018158103.1 CHIG|XP\_018159286.1 CHIG|XP\_018161301.1 CHIG|XP\_018161564.1 CHIG|XP\_018162664.1 CHIG|XP\_018163103.1 CHIG|XP\_018164957.1 CVIN|KAF4893027.1 CVIN|KAF4896242.1 CVIN|KAF4896245.1 CVIN|KAF4899862.1 CVIN|KAF4906646.1 CVIN|KAF4912213.1 CVIN|KAF4913926.1 CVIN|KAF4915190.1 CVIN|KAF4916381.1 CVIN|KAF4916999.1 CVIN|KAF4917628.1 CVIN|KAF4917806.1 CVIN|KAF4918560.1 CVIN|KAF4919574.1 CVIN|KAF4919593.1 CVIN|KAF4921934.1 CVIN|KAF4922366.1 CVIN|KAF4924062.1 CVIN|KAF4926165.1 CVIN|KAF4926177.1 CVIN|KAF4928016.1 CVYL|A00675 CVYL|A01885 CVYL|A02382 CVYL|A02919 CVYL|A05615 CVYL|A05763 CVYL|A06711 CVYL|A07656 CVYL|A07681 CVYL|A08089 CVYL|A08302 CVYL|A08958 CVYL|A09124 CVYL|A11609 CVYL|A12372 CVYL|A12374 CVYL|A12623 CVYL|A12926 CVYL|A13728 FGRM|XP\_011315667.1 FGRM|XP\_011318623.1 FGRM|XP\_011320625.1 FGRM|XP\_011323155.1 FGRM|XP\_011325368.1 MGRA|XP\_003849190.1 MGRA|XP\_003849583.1 MGRA|XP\_003849820.1 MGRA|XP\_003850543.1 MGRA|XP\_003850661.1 MLAR|XP\_007418154.1 MORY|QBZ53330.1 MORY|QBZ53401.1 MORY|QBZ53622.1 MORY|QBZ54796.1 MORY|QBZ56538.1 MORY|QBZ57598.1 MORY|QBZ57776.1 MORY|QBZ57777.1 MORY|QBZ57856.1 MORY|QBZ61960.1 MORY|QBZ63043.1 MORY|QBZ63370.1 MORY|QBZ64418.1 MORY|QBZ64942.1 MORY|QBZ65324.1 MORY|QBZ65326.1 MORY|QBZ65333.1 MORY|QBZ65505.1 MORY|QBZ65518.1 MORY|QBZ66584.1 MORY|QBZ66640.1 NCRA|XP\_963189.1

>Orthogroup11: ANID|CBF70149.1 ANID|CBF70628.1 ANID|CBF74267.1 ANID|CBF77069.1 ANID|CBF77962.1 ANID|CBF82389.1 ANID|CBF82870.1 ANID|CBF85157.1 ANID|CBF85456.1 ANID|CBF86126.1 BCIN|XP\_001547953.2 BCIN|XP\_001552845.1 BCIN|XP\_001554294.1 BCIN|XP\_001557266.1 BCIN|XP\_001557558.1 BCIN|XP\_024546813.1 BCIN|XP\_024548023.1 BCIN|XP\_024550238.1 BCIN|XP\_024550535.1 BGRA|VDB92912.1 CFRU|XP\_031876258.1 CFRU|XP\_031877238.1 CFRU|XP\_031878679.1 CFRU|XP\_031878747.1 CFRU|XP\_031879679.1 CFRU|XP\_031879743.1 CFRU|XP\_031880242.1 CFRU|XP\_031880686.1 CFRU|XP\_031881094.1 CFRU|XP\_031882596.1 CFRU|XP\_031883416.1 CFRU|XP\_031884230.1 CFRU|XP\_031891117.1 CFRU|XP\_031891405.1 CFRU|XP\_031891419.1 CFRU|XP\_031893123.1 CGLO|KAF3798165.1 CGLO|KAF3798176.1 CGLO|KAF3798177.1 CGLO|KAF3798365.1 CGLO|KAF3800427.1 CGLO|KAF3801743.1 CGLO|KAF3803838.1 CGLO|KAF3803919.1 CGLO|KAF3804610.1 CGLO|KAF3804751.1 CGLO|KAF3805662.1 CGLO|KAF3806847.1 CGLO|KAF3808085.1 CGLO|KAF3808959.1 CGLO|KAF3809924.1 CGLO|KAF3811054.1 CGLO|KAF3811770.1 CHIG|XP\_018151027.1 CHIG|XP\_018152788.1 CHIG|XP\_018159820.1 CHIG|XP\_018161507.1 CHIG|XP\_018161681.1 CHIG|XP\_018161848.1 CHIG|XP\_018164669.1 CVIN|KAF4896547.1 CVIN|KAF4901302.1 CVIN|KAF4906642.1 CVIN|KAF4907632.1 CVIN|KAF4918141.1 CVIN|KAF4919076.1 CVIN|KAF4919116.1 CVIN|KAF4919133.1 CVIN|KAF4920622.1 CVIN|KAF4922932.1 CVIN|KAF4923573.1 CVIN|KAF4925436.1 CVIN|KAF4925749.1 CVIN|KAF4930673.1 CVYL|A01701 CVYL|A01819 CVYL|A02495 CVYL|A04943 CVYL|A04952 CVYL|A05271 CVYL|A07535 CVYL|A08147 CVYL|A08883 CVYL|A08962 CVYL|A09002 CVYL|A09738 CVYL|A11766 CVYL|A12777 CVYL|A12958 FGRM|XP\_011317501.1 FGRM|XP\_011321598.1 FGRM|XP\_011322318.1 FGRM|XP\_011325760.1 FGRM|XP\_011326001.1 FGRM|XP\_011326118.1 MGRA|XP\_003847822.1 MGRA|XP\_003848777.1 MGRA|XP\_003851793.1 MGRA|XP\_003852644.1 MGRA|XP\_003853200.1 MGRA|XP\_003853839.1 MGRA|XP\_003854048.1 MGRA|XP\_003856233.1 MLAR|XP\_007406619.1 MLAR|XP\_007410229.1 MLAR|XP\_007410231.1 MLAR|XP\_007411484.1 MLAR|XP\_007411669.1 MLAR|XP\_007413214.1 MLAR|XP\_007413393.1 MLAR|XP\_007413394.1 MLAR|XP\_007418332.1 MLAR|XP\_007418647.1 MORY|QBZ56963.1 MORY|QBZ58057.1 MORY|QBZ58258.1 MORY|QBZ59476.1 MORY|QBZ60277.1 MORY|QBZ61942.1 MORY|QBZ64479.1 MORY|QBZ65829.1 NCRA|XP\_001728277.1 NCRA|XP\_957037.2 NCRA|XP\_960312.2 NCRA|XP\_961872.3 NCRA|XP\_964555.1 SSCL|APA06077.1 SSCL|APA07618.1 SSCL|APA08310.1 SSCL|APA10911.1 SSCL|APA11319.1 SSCL|APA12340.1 SSCL|APA13599.1 SSCL|APA14383.1

>Orthogroup12: ANID|CBF70661.1 ANID|CBF71384.1 ANID|CBF75894.1 ANID|CBF76097.1 BCIN|XP\_001549402.1 BCIN|XP\_024549664.1 BCIN|XP\_024551246.1 CFRU|XP\_031878451.1 CFRU|XP\_031880240.1 CFRU|XP\_031880564.1 CFRU|XP\_031880565.1 CFRU|XP\_031880898.1 CFRU|XP\_031881790.1 CFRU|XP\_031883121.1 CFRU|XP\_031885119.1 CFRU|XP\_031885121.1 CFRU|XP\_031885122.1 CFRU|XP\_031887884.1 CFRU|XP\_031889438.1 CFRU|XP\_031892104.1 CFRU|XP\_031892157.1 CFRU|XP\_031892838.1 CFRU|XP\_031892916.1 CGLO|KAF3798615.1 CGLO|KAF3800697.1 CGLO|KAF3801368.1 CGLO|KAF3802018.1 CGLO|KAF3806975.1 CGLO|KAF3807763.1 CGLO|KAF3808203.1 CGLO|KAF3808922.1 CGLO|KAF3808956.1 CGLO|KAF3809112.1 CGLO|KAF3809554.1 CGLO|KAF3809731.1 CGLO|KAF3811556.1 CHIG|XP\_018151077.1 CHIG|XP\_018154152.1 CHIG|XP\_018155770.1 CHIG|XP\_018155932.1 CHIG|XP\_018160817.1 CHIG|XP\_018161954.1 CHIG|XP\_018162507.1 CHIG|XP\_018162953.1 CHIG|XP\_018163027.1 CHIG|XP\_018163028.1 CHIG|XP\_018163210.1 CVIN|KAF4900987.1 CVIN|KAF4903859.1 CVIN|KAF4913307.1 CVIN|KAF4914251.1 CVIN|KAF4918775.1 CVIN|KAF4920547.1 CVIN|KAF4920549.1 CVIN|KAF4920550.1 CVIN|KAF4920729.1 CVIN|KAF4920752.1 CVIN|KAF4922102.1 CVIN|KAF4924282.1 CVIN|KAF4925182.1 CVIN|KAF4930108.1 CVYL|A00552 CVYL|A00832 CVYL|A00833 CVYL|A00834 CVYL|A01140 CVYL|A01163 CVYL|A01296 CVYL|A03370 CVYL|A04769 CVYL|A04830 CVYL|A06268 CVYL|A06655 CVYL|A07713 CVYL|A13022 FGRM|XP\_011317433.1 FGRM|XP\_011317579.1 FGRM|XP\_011319138.1 FGRM|XP\_011321382.1 FGRM|XP\_011321849.1 FGRM|XP\_011321900.1 FGRM|XP\_011321917.1 FGRM|XP\_011322572.1 FGRM|XP\_011322778.1 FGRM|XP\_011322809.1 FGRM|XP\_011323287.1 FGRM|XP\_011324413.1 FGRM|XP\_011324430.1 FGRM|XP\_011324841.1 FGRM|XP\_011325160.1 FGRM|XP\_011325246.1 FGRM|XP\_011325247.1 FGRM|XP\_011325284.1 FGRM|XP\_011325854.1 FGRM|XP\_011327407.1 FGRM|XP\_011327453.1 FGRM|XP\_011327494.1 FGRM|XP\_011327517.1 FGRM|XP\_011328703.1 MGRA|XP\_003852284.1 MGRA|XP\_003855735.1 MGRA|XP\_003855995.1 MORY|QBZ57248.1 MORY|QBZ57364.1 NCRA|XP\_001728518.2 NCRA|XP\_011392801.1 NCRA|XP\_011395209.1 NCRA|XP\_956770.1 NCRA|XP\_957118.2 NCRA|XP\_957418.1 NCRA|XP\_957775.1 NCRA|XP\_957841.1 NCRA|XP\_958236.3 NCRA|XP\_959016.1 NCRA|XP\_959353.3 NCRA|XP\_959354.2 NCRA|XP\_959355.2 NCRA|XP\_959357.3 NCRA|XP\_959358.1 NCRA|XP\_959365.1 NCRA|XP\_960091.1 NCRA|XP\_960101.1 NCRA|XP\_960102.1 NCRA|XP\_960268.3 NCRA|XP\_960315.2 NCRA|XP\_961055.3 NCRA|XP\_962936.1 SSCL|APA06180.1 SSCL|APA10092.1 SSCL|APA11712.1

>Orthogroup13: BGRA|VCU39838.1 BGRA|VCU39839.1 BGRA|VCU39852.1 BGRA|VCU39853.1 BGRA|VCU39854.1 BGRA|VCU39855.1 BGRA|VCU39856.1 BGRA|VCU39874.1 BGRA|VCU39892.1 BGRA|VCU40211.1 BGRA|VCU40221.1 BGRA|VCU40222.1 BGRA|VCU40223.1 BGRA|VCU40227.1 BGRA|VCU40235.1 BGRA|VCU40254.1 BGRA|VCU40260.1 BGRA|VCU40268.1 BGRA|VCU40272.1 BGRA|VCU40278.1 BGRA|VCU40282.1 BGRA|VCU40284.1 BGRA|VCU40285.1 BGRA|VCU40288.1 BGRA|VCU40290.1 BGRA|VCU40294.1 BGRA|VCU40295.1 BGRA|VCU40296.1 BGRA|VCU40297.1 BGRA|VCU40302.1 BGRA|VCU40306.1 BGRA|VCU40315.1 BGRA|VCU40318.1 BGRA|VCU40320.1 BGRA|VCU40322.1 BGRA|VCU40326.1 BGRA|VCU40330.1 BGRA|VCU40348.1 BGRA|VCU40372.1 BGRA|VCU40376.1 BGRA|VCU40387.1 BGRA|VCU40388.1 BGRA|VCU40400.1 BGRA|VCU40401.1 BGRA|VCU40438.1 BGRA|VCU40878.1 BGRA|VCU40880.1 BGRA|VCU40881.1 BGRA|VCU41054.1 BGRA|VCU41105.1 BGRA|VCU41106.1 BGRA|VCU41109.1 BGRA|VCU41110.1 BGRA|VDB83485.1 BGRA|VDB83486.1 BGRA|VDB83488.1 BGRA|VDB83489.1 BGRA|VDB83492.1 BGRA|VDB83499.1 BGRA|VDB83500.1 BGRA|VDB83508.1 BGRA|VDB83510.1 BGRA|VDB83514.1 BGRA|VDB83523.1 BGRA|VDB83524.1 BGRA|VDB83538.1 BGRA|VDB83544.1 BGRA|VDB83549.1 BGRA|VDB83550.1 BGRA|VDB83553.1 BGRA|VDB83554.1 BGRA|VDB83570.1 BGRA|VDB83571.1 BGRA|VDB83572.1 BGRA|VDB83583.1 BGRA|VDB83584.1 BGRA|VDB83586.1 BGRA|VDB83589.1 BGRA|VDB83597.1 BGRA|VDB83600.1 BGRA|VDB83601.1 BGRA|VDB83614.1 BGRA|VDB83615.1 BGRA|VDB83616.1 BGRA|VDB83617.1 BGRA|VDB83802.1 BGRA|VDB83804.1 BGRA|VDB83826.1 BGRA|VDB83829.1 BGRA|VDB85789.1 BGRA|VDB86285.1 BGRA|VDB88693.1 BGRA|VDB88710.1 BGRA|VDB88712.1 BGRA|VDB88716.1 BGRA|VDB88721.1 BGRA|VDB88723.1 BGRA|VDB89062.1 BGRA|VDB89063.1 BGRA|VDB89841.1 BGRA|VDB89842.1 BGRA|VDB89845.1 BGRA|VDB89856.1 BGRA|VDB89864.1 BGRA|VDB89871.1 BGRA|VDB89878.1 BGRA|VDB89906.1 BGRA|VDB89908.1 BGRA|VDB89918.1 BGRA|VDB89924.1 BGRA|VDB89926.1 BGRA|VDB89942.1 BGRA|VDB89948.1 BGRA|VDB89951.1 BGRA|VDB89954.1 BGRA|VDB90401.1 BGRA|VDB90535.1 BGRA|VDB90537.1 BGRA|VDB93975.1 BGRA|VDB95227.1 BGRA|VDB95347.1 BGRA|VDB95349.1 BGRA|VDB95350.1 BGRA|VDB96498.1 BGRA|VDB96503.1 BGRA|VDB96504.1 BGRA|VDB96505.1 BGRA|VDB96509.1 BGRA|VDB96511.1 BGRA|VDB96512.1

>Orthogroup14: BGRA|VCU38865.1 BGRA|VCU38878.1 BGRA|VCU38895.1 BGRA|VCU38978.1 BGRA|VCU38999.1 BGRA|VCU39010.1 BGRA|VCU39172.1 BGRA|VCU39181.1 BGRA|VCU39247.1 BGRA|VCU39322.1 BGRA|VCU39386.1 BGRA|VCU39431.1 BGRA|VCU39438.1 BGRA|VCU39597.1 BGRA|VCU39827.1 BGRA|VCU39963.1 BGRA|VCU39992.1 BGRA|VCU40005.1 BGRA|VCU40035.1 BGRA|VCU40267.1 BGRA|VCU40325.1 BGRA|VCU40568.1 BGRA|VCU40605.1 BGRA|VCU40692.1 BGRA|VCU40694.1 BGRA|VCU40710.1 BGRA|VCU40771.1 BGRA|VCU40777.1 BGRA|VCU40797.1 BGRA|VCU40898.1 BGRA|VCU40989.1 BGRA|VCU41014.1 BGRA|VCU41170.1 BGRA|VCU41188.1 BGRA|VCU41310.1 BGRA|VCU41403.1 BGRA|VDB83585.1 BGRA|VDB83644.1 BGRA|VDB83857.1 BGRA|VDB83859.1 BGRA|VDB83902.1 BGRA|VDB83988.1 BGRA|VDB84061.1 BGRA|VDB84139.1 BGRA|VDB84173.1 BGRA|VDB84223.1 BGRA|VDB84348.1 BGRA|VDB84384.1 BGRA|VDB85745.1 BGRA|VDB85780.1 BGRA|VDB85928.1 BGRA|VDB85986.1 BGRA|VDB85991.1 BGRA|VDB85997.1 BGRA|VDB86009.1 BGRA|VDB86216.1 BGRA|VDB86288.1 BGRA|VDB86307.1 BGRA|VDB87610.1 BGRA|VDB87635.1 BGRA|VDB87693.1 BGRA|VDB87741.1 BGRA|VDB87759.1 BGRA|VDB87844.1 BGRA|VDB87846.1 BGRA|VDB87856.1 BGRA|VDB88067.1 BGRA|VDB88119.1 BGRA|VDB88169.1 BGRA|VDB88386.1 BGRA|VDB88757.1 BGRA|VDB88990.1 BGRA|VDB89118.1 BGRA|VDB89495.1 BGRA|VDB89686.1 BGRA|VDB89857.1 BGRA|VDB89859.1 BGRA|VDB89863.1 BGRA|VDB89866.1 BGRA|VDB89867.1 BGRA|VDB89870.1 BGRA|VDB89873.1 BGRA|VDB89876.1 BGRA|VDB90335.1 BGRA|VDB90441.1 BGRA|VDB90469.1 BGRA|VDB90492.1 BGRA|VDB90504.1 BGRA|VDB91113.1 BGRA|VDB91200.1 BGRA|VDB91223.1 BGRA|VDB91293.1 BGRA|VDB92686.1 BGRA|VDB92750.1 BGRA|VDB92859.1 BGRA|VDB92901.1 BGRA|VDB93090.1 BGRA|VDB93130.1 BGRA|VDB93167.1 BGRA|VDB93240.1 BGRA|VDB93260.1 BGRA|VDB93285.1 BGRA|VDB93296.1 BGRA|VDB93297.1 BGRA|VDB93603.1 BGRA|VDB93684.1 BGRA|VDB93717.1 BGRA|VDB93758.1 BGRA|VDB93979.1 BGRA|VDB93986.1 BGRA|VDB94467.1 BGRA|VDB94619.1 BGRA|VDB94704.1 BGRA|VDB94744.1 BGRA|VDB94933.1 BGRA|VDB94935.1 BGRA|VDB94973.1 BGRA|VDB95008.1 BGRA|VDB95033.1 BGRA|VDB95095.1 BGRA|VDB95146.1 BGRA|VDB96292.1 BGRA|VDB96300.1 BGRA|VDB96384.1 BGRA|VDB96515.1 BGRA|VDB96517.1

>Orthogroup15: ANID|CBF69517.1 ANID|CBF78469.1 ANID|CBF81501.1 ANID|CBF82793.1 ANID|CBF84417.1 ANID|CBF85199.1 ANID|CBF87153.1 BCIN|XP\_024548684.1 BCIN|XP\_024553313.1 CFRU|XP\_031877232.1 CFRU|XP\_031877965.1 CFRU|XP\_031880937.1 CFRU|XP\_031881311.1 CFRU|XP\_031881400.1 CFRU|XP\_031881418.1 CFRU|XP\_031882223.1 CFRU|XP\_031884403.1 CFRU|XP\_031885245.1 CFRU|XP\_031887443.1 CFRU|XP\_031887531.1 CFRU|XP\_031888803.1 CFRU|XP\_031889113.1 CFRU|XP\_031889231.1 CFRU|XP\_031889973.1 CFRU|XP\_031890942.1 CFRU|XP\_031891410.1 CFRU|XP\_031891647.1 CFRU|XP\_031892667.1 CGLO|KAF3799267.1 CGLO|KAF3799698.1 CGLO|KAF3801571.1 CGLO|KAF3802796.1 CGLO|KAF3802797.1 CGLO|KAF3802852.1 CGLO|KAF3804352.1 CGLO|KAF3804726.1 CGLO|KAF3804745.1 CGLO|KAF3805741.1 CGLO|KAF3806791.1 CGLO|KAF3806854.1 CGLO|KAF3807743.1 CGLO|KAF3809169.1 CGLO|KAF3809190.1 CGLO|KAF3810963.1 CGLO|KAF3810988.1 CHIG|XP\_018151602.1 CHIG|XP\_018151624.1 CHIG|XP\_018151975.1 CHIG|XP\_018152973.1 CHIG|XP\_018153265.1 CHIG|XP\_018155992.1 CHIG|XP\_018158448.1 CHIG|XP\_018159893.1 CHIG|XP\_018160122.1 CHIG|XP\_018161150.1 CHIG|XP\_018161802.1 CHIG|XP\_018163035.1 CHIG|XP\_018163633.1 CVIN|KAF4903554.1 CVIN|KAF4904500.1 CVIN|KAF4907242.1 CVIN|KAF4910471.1 CVIN|KAF4918362.1 CVIN|KAF4919818.1 CVIN|KAF4920542.1 CVIN|KAF4921094.1 CVIN|KAF4921821.1 CVIN|KAF4923349.1 CVIN|KAF4925305.1 CVIN|KAF4926580.1 CVIN|KAF4926594.1 CVIN|KAF4928297.1 CVIN|KAF4928690.1 CVYL|A01049 CVYL|A01356 CVYL|A02166 CVYL|A02186 CVYL|A02551 CVYL|A03738 CVYL|A04044 CVYL|A05161 CVYL|A05375 CVYL|A05394 CVYL|A06596 CVYL|A09824 CVYL|A09889 CVYL|A10158 CVYL|A12566 FGRM|XP\_011318036.1 FGRM|XP\_011318285.1 FGRM|XP\_011321058.1 FGRM|XP\_011321771.1 FGRM|XP\_011321987.1 FGRM|XP\_011324414.1 FGRM|XP\_011327664.1 MGRA|XP\_003847603.1 MGRA|XP\_003848315.1 MGRA|XP\_003848452.1 MGRA|XP\_003848461.1 MGRA|XP\_003850037.1 MGRA|XP\_003853284.1 MGRA|XP\_003853948.1 MORY|QBZ54067.1 MORY|QBZ55172.1 MORY|QBZ55215.1 MORY|QBZ56728.1 MORY|QBZ58128.1 MORY|QBZ58141.1 MORY|QBZ59990.1 MORY|QBZ61736.1 MORY|QBZ65018.1 MORY|QBZ65233.1 MORY|QBZ65781.1 MORY|QBZ66353.1 MORY|QBZ66528.1 NCRA|XP\_011394798.1 NCRA|XP\_956434.2 NCRA|XP\_961803.1 SSCL|APA08632.1 SSCL|APA12577.1 SSCL|APA13624.1

>Orthogroup16: ANID|CBF70118.1 ANID|CBF76209.1 ANID|CBF80376.1 ANID|CBF82292.1 ANID|CBF82795.1 ANID|CBF84139.1 ANID|CBF85201.1 BCIN|XP\_024547861.1 BCIN|XP\_024550123.1 CFRU|XP\_031877979.1 CFRU|XP\_031878218.1 CFRU|XP\_031878628.1 CFRU|XP\_031881398.1 CFRU|XP\_031881410.1 CFRU|XP\_031881451.1 CFRU|XP\_031881515.1 CFRU|XP\_031881516.1 CFRU|XP\_031883717.1 CFRU|XP\_031884536.1 CFRU|XP\_031884544.1 CFRU|XP\_031885057.1 CFRU|XP\_031885249.1 CFRU|XP\_031887451.1 CFRU|XP\_031888131.1 CFRU|XP\_031888812.1 CFRU|XP\_031889273.1 CFRU|XP\_031889319.1 CFRU|XP\_031889384.1 CFRU|XP\_031891191.1 CFRU|XP\_031893329.1 CFRU|XP\_031893485.1 CGLO|KAF3798394.1 CGLO|KAF3798475.1 CGLO|KAF3799095.1 CGLO|KAF3799756.1 CGLO|KAF3800936.1 CGLO|KAF3803096.1 CGLO|KAF3804221.1 CGLO|KAF3804583.1 CGLO|KAF3805778.1 CGLO|KAF3807133.1 CGLO|KAF3807705.1 CGLO|KAF3807755.1 CGLO|KAF3808053.1 CGLO|KAF3808512.1 CGLO|KAF3808868.1 CGLO|KAF3810961.1 CHIG|XP\_018153917.1 CHIG|XP\_018154890.1 CHIG|XP\_018158316.1 CHIG|XP\_018159382.1 CHIG|XP\_018159425.1 CHIG|XP\_018160169.1 CHIG|XP\_018160941.1 CHIG|XP\_018161964.1 CHIG|XP\_018162932.1 CHIG|XP\_018163119.1 CHIG|XP\_018163321.1 CVIN|KAF4896682.1 CVIN|KAF4907244.1 CVIN|KAF4916349.1 CVIN|KAF4917709.1 CVIN|KAF4918860.1 CVIN|KAF4920179.1 CVIN|KAF4920901.1 CVIN|KAF4922828.1 CVIN|KAF4922830.1 CVIN|KAF4923061.1 CVIN|KAF4926578.1 CVIN|KAF4926598.1 CVIN|KAF4926626.1 CVIN|KAF4929612.1 CVIN|KAF4930092.1 CVYL|A00988 CVYL|A01213 CVYL|A02187 CVYL|A02267 CVYL|A03531 CVYL|A03895 CVYL|A05297 CVYL|A05968 CVYL|A06042 CVYL|A06047 CVYL|A07164 CVYL|A08179 CVYL|A08210 CVYL|A09803 CVYL|A11340 CVYL|A11626 FGRM|XP\_011315586.1 FGRM|XP\_011319569.1 FGRM|XP\_011321994.1 FGRM|XP\_011322970.1 FGRM|XP\_011323609.1 FGRM|XP\_011325845.1 FGRM|XP\_011328706.1 MGRA|XP\_003851433.1 MLAR|XP\_007403805.1 MLAR|XP\_007405397.1 MLAR|XP\_007406696.1 MLAR|XP\_007408539.1 MLAR|XP\_007415554.1 MORY|QBZ53625.1 MORY|QBZ58062.1 MORY|QBZ61224.1 MORY|QBZ61631.1 MORY|QBZ62032.1 MORY|QBZ65100.1 NCRA|XP\_001728158.1 NCRA|XP\_961041.2 NCRA|XP\_964142.1 SSCL|APA08183.1 SSCL|APA10588.1

>Orthogroup17: ANID|CBF71241.1 ANID|CBF78087.1 ANID|CBF78809.1 ANID|CBF79162.1 ANID|CBF80142.1 ANID|CBF80752.1 ANID|CBF81971.1 ANID|CBF82224.1 ANID|CBF84010.1 ANID|CBF84011.1 ANID|CBF85739.1 ANID|CBF87325.1 ANID|CBF90352.1 BCIN|XP\_024550751.1 BCIN|XP\_024551271.1 BCIN|XP\_024551593.1 BGRA|VDB89307.1 CFRU|XP\_031877300.1 CFRU|XP\_031878965.1 CFRU|XP\_031879945.1 CFRU|XP\_031881058.1 CFRU|XP\_031882945.1 CFRU|XP\_031882984.1 CFRU|XP\_031883653.1 CFRU|XP\_031886587.1 CFRU|XP\_031888740.1 CFRU|XP\_031889019.1 CFRU|XP\_031889072.1 CFRU|XP\_031889836.1 CFRU|XP\_031889908.1 CFRU|XP\_031890650.1 CFRU|XP\_031891758.1 CFRU|XP\_031892208.1 CGLO|KAF3799251.1 CGLO|KAF3799947.1 CGLO|KAF3800106.1 CGLO|KAF3800171.1 CGLO|KAF3800761.1 CGLO|KAF3803376.1 CGLO|KAF3804096.1 CGLO|KAF3804185.1 CGLO|KAF3804193.1 CGLO|KAF3804916.1 CGLO|KAF3805190.1 CGLO|KAF3806840.1 CGLO|KAF3809856.1 CGLO|KAF3810431.1 CGLO|KAF3810437.1 CGLO|KAF3811919.1 CHIG|XP\_018159183.1 CHIG|XP\_018162658.1 CHIG|XP\_018163083.1 CHIG|XP\_018163120.1 CHIG|XP\_018163568.1 CHIG|XP\_018163953.1 CVIN|KAF4894845.1 CVIN|KAF4895621.1 CVIN|KAF4895627.1 CVIN|KAF4905163.1 CVIN|KAF4908846.1 CVIN|KAF4909297.1 CVIN|KAF4915991.1 CVIN|KAF4918388.1 CVIN|KAF4918406.1 CVIN|KAF4919422.1 CVIN|KAF4919661.1 CVIN|KAF4922596.1 CVIN|KAF4924655.1 CVIN|KAF4924672.1 CVIN|KAF4925799.1 CVIN|KAF4925849.1 CVYL|A00443 CVYL|A00724 CVYL|A02487 CVYL|A03861 CVYL|A03868 CVYL|A06144 CVYL|A07059 CVYL|A07963 CVYL|A10014 CVYL|A10144 CVYL|A12141 CVYL|A13745 CVYL|A14303 FGRM|XP\_011318280.1 FGRM|XP\_011322603.1 FGRM|XP\_011323076.1 FGRM|XP\_011323156.1 FGRM|XP\_011325977.1 FGRM|XP\_011328667.1 MGRA|XP\_003850557.1 MGRA|XP\_003851211.1 MGRA|XP\_003851331.1 MGRA|XP\_003853008.1 MGRA|XP\_003853838.1 MGRA|XP\_003854079.1 MGRA|XP\_003856451.1 MGRA|XP\_003856758.1 MORY|QBZ53336.1 MORY|QBZ55549.1 MORY|QBZ59934.1 MORY|QBZ61196.1 MORY|QBZ63343.1 NCRA|XP\_960015.3 NCRA|XP\_963608.1 NCRA|XP\_963895.3 NCRA|XP\_965148.2 SSCL|APA10034.1 SSCL|APA10273.1 SSCL|APA10274.1 SSCL|APA10779.1 SSCL|APA11665.1 SSCL|APA14853.1

>Orthogroup18: ANID|CBF73441.1 ANID|CBF73982.1 ANID|CBF80212.1 ANID|CBF87870.1 ANID|CBF87872.1 ANID|CBF90374.1 BCIN|XP\_001549486.1 BCIN|XP\_024545910.1 BCIN|XP\_024547198.1 BCIN|XP\_024547539.1 BCIN|XP\_024547565.1 BCIN|XP\_024549433.1 BCIN|XP\_024550314.1 BCIN|XP\_024553850.1 CFRU|XP\_031877250.1 CFRU|XP\_031878233.1 CFRU|XP\_031878946.1 CFRU|XP\_031880440.1 CFRU|XP\_031881651.1 CFRU|XP\_031882657.1 CFRU|XP\_031883517.1 CFRU|XP\_031884191.1 CFRU|XP\_031884203.1 CFRU|XP\_031884419.1 CFRU|XP\_031885312.1 CFRU|XP\_031885809.1 CFRU|XP\_031885906.1 CFRU|XP\_031885977.1 CFRU|XP\_031886234.1 CFRU|XP\_031889920.1 CFRU|XP\_031892809.1 CGLO|KAF3798626.1 CGLO|KAF3802548.1 CGLO|KAF3803885.1 CGLO|KAF3805355.1 CGLO|KAF3806390.1 CGLO|KAF3806828.1 CGLO|KAF3807197.1 CGLO|KAF3807302.1 CGLO|KAF3807888.1 CGLO|KAF3808490.1 CGLO|KAF3810366.1 CGLO|KAF3810805.1 CGLO|KAF3811013.1 CGLO|KAF3811027.1 CHIG|XP\_018151518.1 CHIG|XP\_018152576.1 CHIG|XP\_018152988.1 CHIG|XP\_018155223.1 CHIG|XP\_018156596.1 CHIG|XP\_018156608.1 CHIG|XP\_018156756.1 CHIG|XP\_018157574.1 CHIG|XP\_018157883.1 CHIG|XP\_018157884.1 CHIG|XP\_018158937.1 CHIG|XP\_018159434.1 CHIG|XP\_018159522.1 CHIG|XP\_018162262.1 CVIN|KAF4909114.1 CVIN|KAF4909279.1 CVIN|KAF4911883.1 CVIN|KAF4917738.1 CVIN|KAF4918101.1 CVIN|KAF4918158.1 CVIN|KAF4921315.1 CVIN|KAF4921761.1 CVIN|KAF4922595.1 CVIN|KAF4923238.1 CVIN|KAF4925460.1 CVIN|KAF4926898.1 CVIN|KAF4928148.1 CVIN|KAF4929096.1 CVYL|A00725 CVYL|A01132 CVYL|A02473 CVYL|A02832 CVYL|A04821 CVYL|A05747 CVYL|A08916 CVYL|A09334 CVYL|A09759 CVYL|A09774 CVYL|A10676 CVYL|A10788 CVYL|A11004 CVYL|A11650 CVYL|A11980 CVYL|A13769 FGRM|XP\_011315635.1 FGRM|XP\_011318019.1 FGRM|XP\_011318225.1 FGRM|XP\_011319545.1 FGRM|XP\_011320483.1 FGRM|XP\_011324771.1 FGRM|XP\_011325375.1 FGRM|XP\_011327997.1 MGRA|XP\_003850387.1 MGRA|XP\_003851594.1 MGRA|XP\_003853384.1 MGRA|XP\_003854925.1 MGRA|XP\_003855812.1 MGRA|XP\_003855817.1 MORY|QBZ59332.1 MORY|QBZ59369.1 NCRA|XP\_961122.3 NCRA|XP\_964673.2 SSCL|APA07325.1 SSCL|APA10978.1 SSCL|APA11830.1 SSCL|APA14126.1

>Orthogroup19: MLAR|XP\_007403835.1 MLAR|XP\_007403836.1 MLAR|XP\_007404047.1 MLAR|XP\_007404269.1 MLAR|XP\_007404513.1 MLAR|XP\_007404617.1 MLAR|XP\_007404618.1 MLAR|XP\_007404621.1 MLAR|XP\_007404662.1 MLAR|XP\_007404674.1 MLAR|XP\_007404762.1 MLAR|XP\_007404806.1 MLAR|XP\_007404922.1 MLAR|XP\_007405069.1 MLAR|XP\_007405284.1 MLAR|XP\_007405441.1 MLAR|XP\_007405599.1 MLAR|XP\_007405615.1 MLAR|XP\_007406057.1 MLAR|XP\_007406252.1 MLAR|XP\_007406938.1 MLAR|XP\_007406953.1 MLAR|XP\_007407157.1 MLAR|XP\_007407179.1 MLAR|XP\_007407181.1 MLAR|XP\_007407201.1 MLAR|XP\_007407233.1 MLAR|XP\_007407339.1 MLAR|XP\_007407763.1 MLAR|XP\_007407861.1 MLAR|XP\_007408058.1 MLAR|XP\_007408109.1 MLAR|XP\_007408382.1 MLAR|XP\_007408415.1 MLAR|XP\_007408499.1 MLAR|XP\_007408582.1 MLAR|XP\_007408583.1 MLAR|XP\_007408584.1 MLAR|XP\_007408618.1 MLAR|XP\_007408785.1 MLAR|XP\_007408921.1 MLAR|XP\_007408977.1 MLAR|XP\_007409040.1 MLAR|XP\_007409635.1 MLAR|XP\_007409708.1 MLAR|XP\_007409808.1 MLAR|XP\_007409861.1 MLAR|XP\_007409906.1 MLAR|XP\_007409971.1 MLAR|XP\_007409987.1 MLAR|XP\_007410881.1 MLAR|XP\_007410882.1 MLAR|XP\_007411076.1 MLAR|XP\_007411144.1 MLAR|XP\_007411145.1 MLAR|XP\_007411585.1 MLAR|XP\_007411662.1 MLAR|XP\_007411663.1 MLAR|XP\_007411778.1 MLAR|XP\_007411951.1 MLAR|XP\_007412305.1 MLAR|XP\_007412306.1 MLAR|XP\_007412496.1 MLAR|XP\_007412640.1 MLAR|XP\_007412850.1 MLAR|XP\_007413113.1 MLAR|XP\_007413115.1 MLAR|XP\_007413351.1 MLAR|XP\_007413602.1 MLAR|XP\_007413611.1 MLAR|XP\_007413736.1 MLAR|XP\_007413768.1 MLAR|XP\_007413769.1 MLAR|XP\_007413793.1 MLAR|XP\_007414180.1 MLAR|XP\_007414280.1 MLAR|XP\_007414478.1 MLAR|XP\_007414507.1 MLAR|XP\_007414528.1 MLAR|XP\_007414529.1 MLAR|XP\_007414695.1 MLAR|XP\_007414815.1 MLAR|XP\_007415018.1 MLAR|XP\_007415111.1 MLAR|XP\_007415143.1 MLAR|XP\_007415173.1 MLAR|XP\_007415209.1 MLAR|XP\_007415488.1 MLAR|XP\_007415927.1 MLAR|XP\_007416736.1 MLAR|XP\_007416844.1 MLAR|XP\_007416914.1 MLAR|XP\_007416915.1 MLAR|XP\_007417377.1 MLAR|XP\_007417526.1 MLAR|XP\_007417988.1 MLAR|XP\_007418012.1 MLAR|XP\_007418066.1 MLAR|XP\_007418246.1 MLAR|XP\_007418458.1 MLAR|XP\_007418707.1 MLAR|XP\_007419134.1 MLAR|XP\_007419135.1 MLAR|XP\_007419145.1 MLAR|XP\_007419192.1 MLAR|XP\_007419390.1 MLAR|XP\_007419407.1 MLAR|XP\_007419408.1 MLAR|XP\_007419418.1 MLAR|XP\_007419666.1

>Orthogroup20: BGRA|VCU38747.1 BGRA|VCU38748.1 BGRA|VCU38749.1 BGRA|VCU39388.1 BGRA|VCU39389.1 BGRA|VCU39390.1 BGRA|VCU39391.1 BGRA|VCU39395.1 BGRA|VCU39396.1 BGRA|VCU39399.1 BGRA|VCU39402.1 BGRA|VCU39403.1 BGRA|VCU39544.1 BGRA|VCU39555.1 BGRA|VCU39619.1 BGRA|VCU39620.1 BGRA|VCU40003.1 BGRA|VCU40006.1 BGRA|VCU40062.1 BGRA|VCU40063.1 BGRA|VCU40066.1 BGRA|VCU40068.1 BGRA|VCU40069.1 BGRA|VCU40070.1 BGRA|VCU40090.1 BGRA|VCU40092.1 BGRA|VCU40095.1 BGRA|VCU40097.1 BGRA|VCU40119.1 BGRA|VCU40393.1 BGRA|VCU40395.1 BGRA|VCU40398.1 BGRA|VCU40427.1 BGRA|VCU40430.1 BGRA|VCU40592.1 BGRA|VCU40802.1 BGRA|VCU40803.1 BGRA|VCU40804.1 BGRA|VCU40805.1 BGRA|VCU40806.1 BGRA|VCU40810.1 BGRA|VCU40811.1 BGRA|VCU41259.1 BGRA|VCU41262.1 BGRA|VDB83494.1 BGRA|VDB83497.1 BGRA|VDB83503.1 BGRA|VDB83504.1 BGRA|VDB83505.1 BGRA|VDB83506.1 BGRA|VDB83507.1 BGRA|VDB83517.1 BGRA|VDB83518.1 BGRA|VDB83527.1 BGRA|VDB83528.1 BGRA|VDB83529.1 BGRA|VDB83530.1 BGRA|VDB83534.1 BGRA|VDB83535.1 BGRA|VDB83536.1 BGRA|VDB83537.1 BGRA|VDB83560.1 BGRA|VDB83592.1 BGRA|VDB83593.1 BGRA|VDB83594.1 BGRA|VDB83604.1 BGRA|VDB83605.1 BGRA|VDB83621.1 BGRA|VDB83788.1 BGRA|VDB83794.1 BGRA|VDB83956.1 BGRA|VDB84081.1 BGRA|VDB84163.1 BGRA|VDB88296.1 BGRA|VDB88318.1 BGRA|VDB89110.1 BGRA|VDB89112.1 BGRA|VDB90578.1 BGRA|VDB90744.1 BGRA|VDB90782.1 BGRA|VDB90783.1 BGRA|VDB90789.1 BGRA|VDB90791.1 BGRA|VDB90792.1 BGRA|VDB90793.1 BGRA|VDB92611.1 BGRA|VDB92615.1 BGRA|VDB92758.1 BGRA|VDB92760.1 BGRA|VDB93855.1 BGRA|VDB93856.1 BGRA|VDB94587.1 BGRA|VDB94589.1 BGRA|VDB95243.1 BGRA|VDB95245.1 BGRA|VDB95265.1 BGRA|VDB95267.1 BGRA|VDB95271.1 BGRA|VDB95273.1 BGRA|VDB95275.1 BGRA|VDB95295.1 BGRA|VDB95297.1 BGRA|VDB95299.1 BGRA|VDB95303.1

>Orthogroup21: ANID|CBF71642.1 ANID|CBF79136.1 ANID|CBF82888.1 ANID|CBF82892.1 ANID|CBF83438.1 ANID|CBF84557.1 ANID|CBF85560.1 ANID|CBF86739.1 ANID|CBF87127.1 ANID|CBF87706.1 BCIN|XP\_001548762.1 BCIN|XP\_001548877.1 BCIN|XP\_024547792.1 BCIN|XP\_024549508.1 BCIN|XP\_024549523.1 BCIN|XP\_024551212.1 BCIN|XP\_024552550.1 CFRU|XP\_031877448.1 CFRU|XP\_031878662.1 CFRU|XP\_031878794.1 CFRU|XP\_031883213.1 CFRU|XP\_031883720.1 CFRU|XP\_031883762.1 CFRU|XP\_031884195.1 CFRU|XP\_031884270.1 CFRU|XP\_031887174.1 CFRU|XP\_031888821.1 CFRU|XP\_031889490.1 CFRU|XP\_031889921.1 CFRU|XP\_031889930.1 CFRU|XP\_031892844.1 CGLO|KAF3797473.1 CGLO|KAF3797692.1 CGLO|KAF3798283.1 CGLO|KAF3798321.1 CGLO|KAF3799958.1 CGLO|KAF3802590.1 CGLO|KAF3804184.1 CGLO|KAF3807217.1 CGLO|KAF3808276.1 CGLO|KAF3808468.1 CGLO|KAF3809051.1 CGLO|KAF3809399.1 CGLO|KAF3810617.1 CGLO|KAF3810880.1 CGLO|KAF3811024.1 CHIG|XP\_018152991.1 CHIG|XP\_018153886.1 CHIG|XP\_018154057.1 CHIG|XP\_018155477.1 CHIG|XP\_018155493.1 CHIG|XP\_018156515.1 CHIG|XP\_018157023.1 CHIG|XP\_018159069.1 CHIG|XP\_018163138.1 CVIN|KAF4908284.1 CVIN|KAF4908290.1 CVIN|KAF4915223.1 CVIN|KAF4916413.1 CVIN|KAF4918157.1 CVIN|KAF4918392.1 CVIN|KAF4920338.1 CVIN|KAF4926907.1 CVIN|KAF4926933.1 CVIN|KAF4928120.1 CVIN|KAF4928325.1 CVYL|A01076 CVYL|A02265 CVYL|A03008 CVYL|A03858 CVYL|A09047 CVYL|A09757 CVYL|A09788 CVYL|A09899 CVYL|A10172 CVYL|A10700 CVYL|A11671 CVYL|A13699 FGRM|XP\_011315700.1 FGRM|XP\_011317905.1 FGRM|XP\_011319613.1 FGRM|XP\_011319616.1 FGRM|XP\_011320367.1 FGRM|XP\_011323172.1 FGRM|XP\_011327452.1 MGRA|XP\_003851423.1 MGRA|XP\_003854174.1 MGRA|XP\_003854258.1 MORY|QBZ54339.1 MORY|QBZ57142.1 MORY|QBZ57630.1 MORY|QBZ62897.1 MORY|QBZ64212.1 MORY|QBZ64328.1 MORY|QBZ66502.1 MORY|QBZ66512.1 NCRA|XP\_958492.1 NCRA|XP\_961030.1 SSCL|APA06370.1 SSCL|APA09132.1 SSCL|APA09478.1 SSCL|APA09580.1 SSCL|APA15117.1

>Orthogroup22: ANID|CBF73484.1 ANID|CBF80392.1 ANID|CBF82705.1 ANID|CBF84100.1 ANID|CBF84497.1 ANID|CBF84623.1 ANID|CBF89303.1 BCIN|XP\_001557793.1 BCIN|XP\_024547132.1 BCIN|XP\_024547627.1 BCIN|XP\_024548242.1 BCIN|XP\_024548755.1 BCIN|XP\_024549048.1 BCIN|XP\_024551039.1 CFRU|XP\_031876825.1 CFRU|XP\_031877314.1 CFRU|XP\_031879338.1 CFRU|XP\_031883587.1 CFRU|XP\_031884217.1 CFRU|XP\_031884232.1 CFRU|XP\_031887063.1 CFRU|XP\_031887969.1 CFRU|XP\_031889896.1 CFRU|XP\_031891001.1 CFRU|XP\_031891597.1 CFRU|XP\_031892081.1 CFRU|XP\_031892218.1 CFRU|XP\_031893480.1 CGLO|KAF3797404.1 CGLO|KAF3797611.1 CGLO|KAF3799925.1 CGLO|KAF3800211.1 CGLO|KAF3801404.1 CGLO|KAF3805613.1 CGLO|KAF3805809.1 CGLO|KAF3808655.1 CGLO|KAF3809606.1 CGLO|KAF3810483.1 CGLO|KAF3811044.1 CGLO|KAF3811061.1 CGLO|KAF3811428.1 CGLO|KAF3811702.1 CHIG|XP\_018150800.1 CHIG|XP\_018151885.1 CHIG|XP\_018153119.1 CHIG|XP\_018153761.1 CHIG|XP\_018154035.1 CHIG|XP\_018154113.1 CHIG|XP\_018155126.1 CHIG|XP\_018156511.1 CHIG|XP\_018157364.1 CHIG|XP\_018158415.1 CHIG|XP\_018158450.1 CHIG|XP\_018159128.1 CHIG|XP\_018160669.1 CVIN|KAF4903415.1 CVIN|KAF4903416.1 CVIN|KAF4906965.1 CVIN|KAF4914256.1 CVIN|KAF4914934.1 CVIN|KAF4915258.1 CVIN|KAF4915945.1 CVIN|KAF4917881.1 CVIN|KAF4919212.1 CVIN|KAF4920409.1 CVIN|KAF4922360.1 CVIN|KAF4924628.1 CVIN|KAF4926124.1 CVIN|KAF4929399.1 CVYL|A03382 CVYL|A04626 CVYL|A06075 CVYL|A07583 CVYL|A08435 CVYL|A10273 CVYL|A11246 CVYL|A14086 FGRM|XP\_011315815.1 FGRM|XP\_011318619.1 FGRM|XP\_011320578.1 FGRM|XP\_011320738.1 FGRM|XP\_011321005.1 FGRM|XP\_011326844.1 FGRM|XP\_011327778.1 MGRA|XP\_003847590.1 MGRA|XP\_003847825.1 MGRA|XP\_003849213.1 MGRA|XP\_003851864.1 MGRA|XP\_003852827.1 MGRA|XP\_003856169.1 MORY|QBZ56387.1 MORY|QBZ57136.1 MORY|QBZ57833.1 MORY|QBZ59926.1 MORY|QBZ60671.1 MORY|QBZ65203.1 NCRA|XP\_956353.3 NCRA|XP\_957075.1 SSCL|APA12719.1 SSCL|APA14032.1

>Orthogroup23: ANID|CBF69531.1 ANID|CBF71459.1 ANID|CBF73549.1 ANID|CBF75785.1 ANID|CBF77085.1 ANID|CBF78322.1 ANID|CBF79119.1 ANID|CBF80279.1 ANID|CBF82038.1 ANID|CBF85575.1 ANID|CBF86063.1 ANID|CBF87384.1 BCIN|XP\_001548885.2 BCIN|XP\_024550102.1 BCIN|XP\_024551883.1 BCIN|XP\_024551952.1 BCIN|XP\_024552384.1 BCIN|XP\_024552493.1 BCIN|XP\_024552713.1 BCIN|XP\_024553095.1 BCIN|XP\_024553194.1 BCIN|XP\_024553702.1 BCIN|XP\_024553710.1 BCIN|XP\_024553812.1 CFRU|XP\_031876017.1 CFRU|XP\_031876068.1 CFRU|XP\_031876601.1 CFRU|XP\_031877285.1 CFRU|XP\_031877295.1 CFRU|XP\_031877597.1 CFRU|XP\_031878261.1 CFRU|XP\_031881064.1 CFRU|XP\_031882543.1 CFRU|XP\_031883119.1 CFRU|XP\_031883791.1 CFRU|XP\_031885947.1 CFRU|XP\_031891361.1 CFRU|XP\_031891388.1 CGLO|KAF3797920.1 CGLO|KAF3798074.1 CGLO|KAF3800897.1 CGLO|KAF3801981.1 CGLO|KAF3804593.1 CGLO|KAF3806789.1 CGLO|KAF3806802.1 CGLO|KAF3806813.1 CGLO|KAF3808202.1 CGLO|KAF3808507.1 CGLO|KAF3809906.1 CHIG|XP\_018153112.1 CHIG|XP\_018153303.1 CHIG|XP\_018157123.1 CHIG|XP\_018159450.1 CHIG|XP\_018160034.1 CHIG|XP\_018161599.1 CHIG|XP\_018161674.1 CHIG|XP\_018163211.1 CVIN|KAF4907255.1 CVIN|KAF4907839.1 CVIN|KAF4908874.1 CVIN|KAF4914236.1 CVIN|KAF4924283.1 CVIN|KAF4928004.1 CVIN|KAF4930382.1 CVIN|KAF4930652.1 CVYL|A00551 CVYL|A02451 CVYL|A02459 CVYL|A05285 CVYL|A05355 CVYL|A05566 CVYL|A08284 CVYL|A12434 FGRM|XP\_011317574.1 FGRM|XP\_011318253.1 FGRM|XP\_011319911.1 FGRM|XP\_011320626.1 FGRM|XP\_011322174.1 FGRM|XP\_011325322.1 MGRA|XP\_003850939.1 MGRA|XP\_003854793.1 MGRA|XP\_003855638.1 MGRA|XP\_003855815.1 MGRA|XP\_003856124.1 MORY|QBZ61145.1 MORY|QBZ61185.1 MORY|QBZ64223.1 MORY|QBZ64948.1 MORY|QBZ66582.1 NCRA|XP\_001728000.2 NCRA|XP\_963577.3 NCRA|XP\_964920.2 SSCL|APA06217.1 SSCL|APA10778.1 SSCL|APA15095.1 SSCL|APA15993.1 SSCL|APA16308.1

>Orthogroup24: ANID|CBF69707.1 ANID|CBF70273.1 ANID|CBF75096.1 ANID|CBF76609.1 ANID|CBF79013.1 ANID|CBF87513.1 BCIN|XP\_001548471.2 BCIN|XP\_001550556.2 BCIN|XP\_001552081.1 BCIN|XP\_001554305.2 BCIN|XP\_001554811.1 BCIN|XP\_001555473.1 BCIN|XP\_001560806.2 BCIN|XP\_024546823.1 BCIN|XP\_024546945.1 BCIN|XP\_024547569.1 BCIN|XP\_024548702.1 BCIN|XP\_024548768.1 BCIN|XP\_024549192.1 BCIN|XP\_024549318.1 BCIN|XP\_024549886.1 BCIN|XP\_024550498.1 BCIN|XP\_024550763.1 BCIN|XP\_024552364.1 BCIN|XP\_024553087.1 BCIN|XP\_024553170.1 BGRA|VDB89081.1 CFRU|XP\_031879475.1 CFRU|XP\_031880405.1 CFRU|XP\_031883953.1 CFRU|XP\_031885338.1 CFRU|XP\_031888385.1 CFRU|XP\_031891983.1 CGLO|KAF3799475.1 CGLO|KAF3801268.1 CGLO|KAF3802432.1 CGLO|KAF3803634.1 CGLO|KAF3803940.1 CGLO|KAF3805078.1 CGLO|KAF3810626.1 CHIG|XP\_018151610.1 CHIG|XP\_018154460.1 CHIG|XP\_018154733.1 CHIG|XP\_018156613.1 CHIG|XP\_018156924.1 CHIG|XP\_018163435.1 CHIG|XP\_018163825.1 CHIG|XP\_018164863.1 CVIN|KAF4910016.1 CVIN|KAF4913947.1 CVIN|KAF4918230.1 CVIN|KAF4921557.1 CVIN|KAF4927435.1 CVIN|KAF4928146.1 CVIN|KAF4931788.1 CVYL|A00319 CVYL|A06481 CVYL|A07822 CVYL|A08863 CVYL|A13337 CVYL|A13574 CVYL|A14569 FGRM|XP\_011317065.1 FGRM|XP\_011320470.1 MGRA|XP\_003848221.1 MGRA|XP\_003848297.1 MGRA|XP\_003851807.1 MGRA|XP\_003852888.1 MGRA|XP\_003855019.1 MORY|QBZ53546.1 MORY|QBZ54375.1 MORY|QBZ54690.1 MORY|QBZ55838.1 MORY|QBZ58601.1 MORY|QBZ60209.1 MORY|QBZ61698.1 MORY|QBZ64957.1 MORY|QBZ65954.1 NCRA|XP\_958030.2 NCRA|XP\_964653.3 SSCL|APA05562.1 SSCL|APA06311.1 SSCL|APA06371.1 SSCL|APA06372.1 SSCL|APA06373.1 SSCL|APA08185.1 SSCL|APA09715.1 SSCL|APA09811.1 SSCL|APA09969.1 SSCL|APA10335.1 SSCL|APA11216.1 SSCL|APA13818.1 SSCL|APA14179.1 SSCL|APA14392.1 SSCL|APA15520.1

>Orthogroup25: BGRA|VCU38763.1 BGRA|VCU39275.1 BGRA|VCU39716.1 BGRA|VCU40292.1 BGRA|VCU40464.1 BGRA|VCU40477.1 BGRA|VCU40603.1 BGRA|VCU40612.1 BGRA|VCU40671.1 BGRA|VCU40672.1 BGRA|VCU40732.1 BGRA|VCU40735.1 BGRA|VCU40742.1 BGRA|VCU40743.1 BGRA|VCU40744.1 BGRA|VCU40745.1 BGRA|VCU40746.1 BGRA|VCU40747.1 BGRA|VCU40963.1 BGRA|VCU40964.1 BGRA|VCU40968.1 BGRA|VCU40971.1 BGRA|VCU41012.1 BGRA|VCU41037.1 BGRA|VCU41056.1 BGRA|VCU41058.1 BGRA|VCU41060.1 BGRA|VDB84102.1 BGRA|VDB85756.1 BGRA|VDB85839.1 BGRA|VDB85841.1 BGRA|VDB85858.1 BGRA|VDB85860.1 BGRA|VDB85862.1 BGRA|VDB85878.1 BGRA|VDB85880.1 BGRA|VDB85882.1 BGRA|VDB85890.1 BGRA|VDB85894.1 BGRA|VDB85916.1 BGRA|VDB85918.1 BGRA|VDB85919.1 BGRA|VDB85922.1 BGRA|VDB85971.1 BGRA|VDB85972.1 BGRA|VDB85978.1 BGRA|VDB85987.1 BGRA|VDB85996.1 BGRA|VDB86004.1 BGRA|VDB86005.1 BGRA|VDB86291.1 BGRA|VDB86397.1 BGRA|VDB87650.1 BGRA|VDB87818.1 BGRA|VDB88269.1 BGRA|VDB88280.1 BGRA|VDB88797.1 BGRA|VDB88839.1 BGRA|VDB88888.1 BGRA|VDB88890.1 BGRA|VDB89321.1 BGRA|VDB89327.1 BGRA|VDB89329.1 BGRA|VDB89333.1 BGRA|VDB89335.1 BGRA|VDB89349.1 BGRA|VDB89368.1 BGRA|VDB89398.1 BGRA|VDB90591.1 BGRA|VDB91012.1 BGRA|VDB91014.1 BGRA|VDB91037.1 BGRA|VDB91049.1 BGRA|VDB91051.1 BGRA|VDB91052.1 BGRA|VDB91166.1 BGRA|VDB92759.1 BGRA|VDB92995.1 BGRA|VDB93112.1 BGRA|VDB93117.1 BGRA|VDB93189.1 BGRA|VDB93305.1 BGRA|VDB93409.1 BGRA|VDB93411.1 BGRA|VDB93625.1 BGRA|VDB93639.1 BGRA|VDB93645.1 BGRA|VDB93654.1 BGRA|VDB94633.1 BGRA|VDB94636.1 BGRA|VDB94640.1 BGRA|VDB94827.1 BGRA|VDB96318.1 BGRA|VDB96372.1 BGRA|VDB96394.1

>Orthogroup26: BGRA|VCU38746.1 BGRA|VCU38800.1 BGRA|VCU38802.1 BGRA|VCU39002.1 BGRA|VCU39364.1 BGRA|VCU39369.1 BGRA|VCU39371.1 BGRA|VCU39377.1 BGRA|VCU39381.1 BGRA|VCU39382.1 BGRA|VCU39387.1 BGRA|VCU40160.1 BGRA|VCU40192.1 BGRA|VCU40236.1 BGRA|VCU40263.1 BGRA|VCU40264.1 BGRA|VCU40275.1 BGRA|VCU40276.1 BGRA|VCU40333.1 BGRA|VCU40335.1 BGRA|VCU40336.1 BGRA|VCU40337.1 BGRA|VCU40339.1 BGRA|VCU40340.1 BGRA|VCU40343.1 BGRA|VCU40344.1 BGRA|VCU40346.1 BGRA|VCU40350.1 BGRA|VCU40420.1 BGRA|VCU40448.1 BGRA|VCU40452.1 BGRA|VCU40784.1 BGRA|VCU40787.1 BGRA|VCU40788.1 BGRA|VCU40959.1 BGRA|VCU41146.1 BGRA|VCU41397.1 BGRA|VCU41400.1 BGRA|VCU41406.1 BGRA|VCU41407.1 BGRA|VCU41408.1 BGRA|VCU41409.1 BGRA|VDB83513.1 BGRA|VDB83520.1 BGRA|VDB83555.1 BGRA|VDB84215.1 BGRA|VDB84217.1 BGRA|VDB85773.1 BGRA|VDB85774.1 BGRA|VDB88107.1 BGRA|VDB88112.1 BGRA|VDB88127.1 BGRA|VDB88258.1 BGRA|VDB88259.1 BGRA|VDB88262.1 BGRA|VDB88265.1 BGRA|VDB88266.1 BGRA|VDB88267.1 BGRA|VDB88272.1 BGRA|VDB88273.1 BGRA|VDB88274.1 BGRA|VDB88278.1 BGRA|VDB88294.1 BGRA|VDB88308.1 BGRA|VDB88337.1 BGRA|VDB88339.1 BGRA|VDB88341.1 BGRA|VDB88369.1 BGRA|VDB88371.1 BGRA|VDB88372.1 BGRA|VDB88374.1 BGRA|VDB88377.1 BGRA|VDB88384.1 BGRA|VDB88388.1 BGRA|VDB89185.1 BGRA|VDB89341.1 BGRA|VDB89343.1 BGRA|VDB89345.1 BGRA|VDB89535.1 BGRA|VDB89536.1 BGRA|VDB89537.1 BGRA|VDB90918.1 BGRA|VDB91241.1 BGRA|VDB91257.1 BGRA|VDB91397.1 BGRA|VDB92405.1 BGRA|VDB92407.1 BGRA|VDB93310.1 BGRA|VDB93311.1 BGRA|VDB93998.1 BGRA|VDB94747.1 BGRA|VDB94748.1 BGRA|VDB95102.1

>Orthogroup27: BGRA|VCU39173.1 BGRA|VCU39174.1 BGRA|VCU39352.1 BGRA|VCU39452.1 BGRA|VCU39459.1 BGRA|VCU39518.1 BGRA|VCU39529.1 BGRA|VCU39532.1 BGRA|VCU39638.1 BGRA|VCU39654.1 BGRA|VCU39746.1 BGRA|VCU39788.1 BGRA|VCU39807.1 BGRA|VCU39878.1 BGRA|VCU39884.1 BGRA|VCU40202.1 BGRA|VCU40210.1 BGRA|VCU40241.1 BGRA|VCU40300.1 BGRA|VCU40576.1 BGRA|VCU40588.1 BGRA|VCU40623.1 BGRA|VCU40652.1 BGRA|VCU40849.1 BGRA|VCU40932.1 BGRA|VCU40956.1 BGRA|VCU40980.1 BGRA|VCU41062.1 BGRA|VCU41144.1 BGRA|VCU41176.1 BGRA|VCU41387.1 BGRA|VDB83543.1 BGRA|VDB83613.1 BGRA|VDB83849.1 BGRA|VDB83850.1 BGRA|VDB84364.1 BGRA|VDB85664.1 BGRA|VDB85688.1 BGRA|VDB85744.1 BGRA|VDB85957.1 BGRA|VDB86129.1 BGRA|VDB86376.1 BGRA|VDB87854.1 BGRA|VDB87934.1 BGRA|VDB87977.1 BGRA|VDB88047.1 BGRA|VDB88147.1 BGRA|VDB88148.1 BGRA|VDB88165.1 BGRA|VDB88224.1 BGRA|VDB88364.1 BGRA|VDB89020.1 BGRA|VDB89058.1 BGRA|VDB89059.1 BGRA|VDB89436.1 BGRA|VDB89448.1 BGRA|VDB89461.1 BGRA|VDB89481.1 BGRA|VDB89681.1 BGRA|VDB89869.1 BGRA|VDB89872.1 BGRA|VDB89879.1 BGRA|VDB89950.1 BGRA|VDB90371.1 BGRA|VDB90391.1 BGRA|VDB90624.1 BGRA|VDB90632.1 BGRA|VDB90691.1 BGRA|VDB90725.1 BGRA|VDB90886.1 BGRA|VDB91389.1 BGRA|VDB92695.1 BGRA|VDB92730.1 BGRA|VDB92987.1 BGRA|VDB93182.1 BGRA|VDB93196.1 BGRA|VDB93624.1 BGRA|VDB93961.1 BGRA|VDB93988.1 BGRA|VDB93993.1 BGRA|VDB94012.1 BGRA|VDB94458.1 BGRA|VDB94472.1 BGRA|VDB94480.1 BGRA|VDB94608.1 BGRA|VDB94609.1 BGRA|VDB94693.1 BGRA|VDB94922.1 BGRA|VDB94937.1 BGRA|VDB96371.1 BGRA|VDB96432.1 FGRM|XP\_011319866.1

>Orthogroup28: ANID|CBF69359.1 ANID|CBF73509.1 ANID|CBF82122.1 ANID|CBF87520.1 ANID|CBF87727.1 ANID|CBF89919.1 BCIN|XP\_024546944.1 BCIN|XP\_024547466.1 BCIN|XP\_024553131.1 BCIN|XP\_024553708.1 CFRU|XP\_031875912.1 CFRU|XP\_031878418.1 CFRU|XP\_031879994.1 CFRU|XP\_031881135.1 CFRU|XP\_031882765.1 CFRU|XP\_031882937.1 CFRU|XP\_031882963.1 CFRU|XP\_031887795.1 CFRU|XP\_031890932.1 CFRU|XP\_031891596.1 CFRU|XP\_031891945.1 CGLO|KAF3797403.1 CGLO|KAF3800456.1 CGLO|KAF3802102.1 CGLO|KAF3803861.1 CGLO|KAF3805183.1 CGLO|KAF3806644.1 CGLO|KAF3806653.1 CGLO|KAF3807818.1 CGLO|KAF3808210.1 CGLO|KAF3809691.1 CGLO|KAF3810422.1 CGLO|KAF3810761.1 CGLO|KAF3811741.1 CHIG|XP\_018151058.1 CHIG|XP\_018151777.1 CHIG|XP\_018157362.1 CHIG|XP\_018158427.1 CHIG|XP\_018161369.1 CHIG|XP\_018162558.1 CHIG|XP\_018162984.1 CHIG|XP\_018163194.1 CHIG|XP\_018164216.1 CHIG|XP\_018164222.1 CVIN|KAF4902813.1 CVIN|KAF4908252.1 CVIN|KAF4917959.1 CVIN|KAF4918908.1 CVIN|KAF4921532.1 CVIN|KAF4921942.1 CVIN|KAF4922994.1 CVIN|KAF4924315.1 CVIN|KAF4925447.1 CVIN|KAF4929400.1 CVIN|KAF4932140.1 CVYL|A00558 CVYL|A00785 CVYL|A01841 CVYL|A03289 CVYL|A06610 CVYL|A07193 CVYL|A08939 CVYL|A10275 CVYL|A11383 CVYL|A12358 CVYL|A12368 CVYL|A12756 FGRM|XP\_011317852.1 FGRM|XP\_011321886.1 FGRM|XP\_011322384.1 FGRM|XP\_011323098.1 FGRM|XP\_011325769.1 MGRA|XP\_003847727.1 MGRA|XP\_003847773.1 MGRA|XP\_003855468.1 MLAR|XP\_007417973.1 MORY|QBZ53910.1 MORY|QBZ55923.1 MORY|QBZ57961.1 MORY|QBZ58288.1 MORY|QBZ58607.1 MORY|QBZ58916.1 MORY|QBZ60162.1 MORY|QBZ65305.1 MORY|QBZ66435.1 NCRA|XP\_001728070.2 NCRA|XP\_001728263.1 NCRA|XP\_011393252.1 SSCL|APA15101.1

>Orthogroup29: ANID|CBF69887.1 ANID|CBF73453.1 ANID|CBF76036.1 ANID|CBF76038.1 ANID|CBF77087.1 ANID|CBF80539.1 ANID|CBF84349.1 ANID|CBF87069.1 ANID|CBF87235.1 ANID|CBF87236.1 ANID|CBF87869.1 ANID|CBF90372.1 BCIN|XP\_001550898.2 BCIN|XP\_001552859.2 BCIN|XP\_024546178.1 BCIN|XP\_024546952.1 BCIN|XP\_024551708.1 CFRU|XP\_031876560.1 CFRU|XP\_031876603.1 CFRU|XP\_031881358.1 CFRU|XP\_031883329.1 CFRU|XP\_031883834.1 CFRU|XP\_031884131.1 CFRU|XP\_031885633.1 CFRU|XP\_031887830.1 CFRU|XP\_031893218.1 CGLO|KAF3799977.1 CGLO|KAF3800591.1 CGLO|KAF3800880.1 CGLO|KAF3802065.1 CGLO|KAF3805101.1 CGLO|KAF3809504.1 CGLO|KAF3810065.1 CHIG|XP\_018150810.1 CHIG|XP\_018150828.1 CHIG|XP\_018151538.1 CHIG|XP\_018151732.1 CHIG|XP\_018152088.1 CHIG|XP\_018152658.1 CHIG|XP\_018154907.1 CHIG|XP\_018156534.1 CHIG|XP\_018156835.1 CHIG|XP\_018162263.1 CHIG|XP\_018163337.1 CVIN|KAF4907268.1 CVIN|KAF4911862.1 CVIN|KAF4911872.1 CVIN|KAF4912753.1 CVIN|KAF4917971.1 CVIN|KAF4927053.1 CVYL|A02661 CVYL|A06456 CVYL|A10072 CVYL|A10196 CVYL|A11118 CVYL|A12445 CVYL|A12446 CVYL|A13125 FGRM|XP\_011315630.1 FGRM|XP\_011315631.1 FGRM|XP\_011318224.1 FGRM|XP\_011318306.1 FGRM|XP\_011319542.1 FGRM|XP\_011319713.1 FGRM|XP\_011319727.1 FGRM|XP\_011320598.1 FGRM|XP\_011321944.1 FGRM|XP\_011325380.1 FGRM|XP\_011325382.1 FGRM|XP\_011325925.1 MGRA|XP\_003847857.1 MGRA|XP\_003850202.1 MGRA|XP\_003851777.1 MGRA|XP\_003851968.1 MGRA|XP\_003855676.1 MLAR|XP\_007414336.1 MORY|QBZ53722.1 MORY|QBZ55850.1 MORY|QBZ59901.1 MORY|QBZ63590.1 MORY|QBZ64288.1 MORY|QBZ66643.1 NCRA|XP\_963411.3 SSCL|APA06242.1 SSCL|APA06243.1 SSCL|APA07050.1 SSCL|APA12397.1

>Orthogroup30: MLAR|XP\_007403646.1 MLAR|XP\_007403817.1 MLAR|XP\_007404277.1 MLAR|XP\_007404470.1 MLAR|XP\_007404539.1 MLAR|XP\_007405196.1 MLAR|XP\_007405324.1 MLAR|XP\_007405325.1 MLAR|XP\_007405469.1 MLAR|XP\_007405477.1 MLAR|XP\_007405478.1 MLAR|XP\_007405482.1 MLAR|XP\_007405701.1 MLAR|XP\_007405867.1 MLAR|XP\_007406350.1 MLAR|XP\_007406351.1 MLAR|XP\_007406352.1 MLAR|XP\_007406611.1 MLAR|XP\_007407177.1 MLAR|XP\_007407364.1 MLAR|XP\_007407677.1 MLAR|XP\_007408102.1 MLAR|XP\_007408240.1 MLAR|XP\_007408370.1 MLAR|XP\_007408566.1 MLAR|XP\_007408621.1 MLAR|XP\_007409435.1 MLAR|XP\_007409515.1 MLAR|XP\_007410146.1 MLAR|XP\_007410894.1 MLAR|XP\_007411083.1 MLAR|XP\_007411086.1 MLAR|XP\_007411182.1 MLAR|XP\_007411692.1 MLAR|XP\_007411791.1 MLAR|XP\_007412057.1 MLAR|XP\_007412401.1 MLAR|XP\_007412564.1 MLAR|XP\_007412565.1 MLAR|XP\_007412683.1 MLAR|XP\_007412786.1 MLAR|XP\_007412873.1 MLAR|XP\_007414045.1 MLAR|XP\_007414169.1 MLAR|XP\_007414183.1 MLAR|XP\_007414246.1 MLAR|XP\_007414254.1 MLAR|XP\_007414279.1 MLAR|XP\_007414404.1 MLAR|XP\_007414565.1 MLAR|XP\_007415086.1 MLAR|XP\_007415135.1 MLAR|XP\_007415694.1 MLAR|XP\_007416106.1 MLAR|XP\_007416134.1 MLAR|XP\_007416252.1 MLAR|XP\_007416626.1 MLAR|XP\_007416631.1 MLAR|XP\_007416632.1 MLAR|XP\_007416921.1 MLAR|XP\_007417360.1 MLAR|XP\_007417748.1 MLAR|XP\_007417749.1 MLAR|XP\_007417913.1 MLAR|XP\_007417945.1 MLAR|XP\_007418109.1 MLAR|XP\_007418450.1 MLAR|XP\_007418451.1 MLAR|XP\_007418452.1 MLAR|XP\_007418524.1 MLAR|XP\_007418525.1 MLAR|XP\_007418537.1 MLAR|XP\_007418729.1 MLAR|XP\_007418840.1 MLAR|XP\_007418973.1 MLAR|XP\_007419056.1 MLAR|XP\_007419103.1 MLAR|XP\_007419206.1 MLAR|XP\_007419316.1 MLAR|XP\_007419361.1 MLAR|XP\_007419396.1 MLAR|XP\_007419429.1 MLAR|XP\_007419511.1 MLAR|XP\_007419728.1 MLAR|XP\_007419772.1

>Orthogroup31: ANID|CBF87351.1 BCIN|XP\_024549696.1 BCIN|XP\_024550391.1 CFRU|XP\_031875865.1 CFRU|XP\_031876731.1 CFRU|XP\_031877101.1 CFRU|XP\_031877586.1 CFRU|XP\_031878750.1 CFRU|XP\_031880129.1 CFRU|XP\_031880573.1 CFRU|XP\_031883091.1 CFRU|XP\_031883710.1 CFRU|XP\_031883713.1 CFRU|XP\_031884452.1 CFRU|XP\_031887143.1 CFRU|XP\_031888952.1 CFRU|XP\_031892120.1 CFRU|XP\_031892875.1 CGLO|KAF3797540.1 CGLO|KAF3798682.1 CGLO|KAF3799767.1 CGLO|KAF3803997.1 CGLO|KAF3804170.1 CGLO|KAF3806752.1 CGLO|KAF3807906.1 CGLO|KAF3808225.1 CGLO|KAF3809205.1 CGLO|KAF3809754.1 CGLO|KAF3810865.1 CGLO|KAF3811842.1 CHIG|XP\_018150932.1 CHIG|XP\_018151116.1 CHIG|XP\_018151692.1 CHIG|XP\_018154959.1 CHIG|XP\_018154960.1 CHIG|XP\_018155423.1 CHIG|XP\_018156033.1 CHIG|XP\_018157474.1 CHIG|XP\_018158002.1 CHIG|XP\_018158056.1 CHIG|XP\_018158239.1 CHIG|XP\_018160031.1 CHIG|XP\_018163186.1 CVIN|KAF4897554.1 CVIN|KAF4914268.1 CVIN|KAF4918364.1 CVIN|KAF4918493.1 CVIN|KAF4918981.1 CVIN|KAF4919515.1 CVIN|KAF4923576.1 CVIN|KAF4924870.1 CVIN|KAF4925166.1 CVIN|KAF4925317.1 CVYL|A00566 CVYL|A01394 CVYL|A02281 CVYL|A03841 CVYL|A06673 CVYL|A08804 CVYL|A08998 CVYL|A11328 CVYL|A12844 CVYL|A14062 FGRM|XP\_011317604.1 FGRM|XP\_011318339.1 FGRM|XP\_011322872.1 FGRM|XP\_011325714.1 FGRM|XP\_011326011.1 FGRM|XP\_011326012.1 MGRA|XP\_003850440.1 MGRA|XP\_003851732.1 MGRA|XP\_003854009.1 MGRA|XP\_003857003.1 MORY|QBZ56361.1 MORY|QBZ58234.1 MORY|QBZ60032.1 MORY|QBZ60216.1 MORY|QBZ60768.1 MORY|QBZ63457.1 NCRA|XP\_959095.1 NCRA|XP\_959839.1 NCRA|XP\_963842.1 NCRA|XP\_963897.2 SSCL|APA05629.1

>Orthogroup32: ANID|CBF74652.1 ANID|CBF74799.1 ANID|CBF81915.1 ANID|CBF84421.1 ANID|CBF85372.1 ANID|CBF89245.1 ANID|CBF90197.1 BCIN|XP\_001554714.1 BCIN|XP\_001559415.2 BGRA|VDB84374.1 BGRA|VDB88126.1 CFRU|XP\_031876331.1 CFRU|XP\_031877054.1 CFRU|XP\_031877246.1 CFRU|XP\_031879498.1 CFRU|XP\_031879590.1 CFRU|XP\_031880285.1 CFRU|XP\_031883261.1 CFRU|XP\_031885199.1 CFRU|XP\_031889856.1 CFRU|XP\_031891541.1 CFRU|XP\_031892437.1 CGLO|KAF3797073.1 CGLO|KAF3801745.1 CGLO|KAF3802412.1 CGLO|KAF3802779.1 CGLO|KAF3804698.1 CGLO|KAF3806797.1 CGLO|KAF3807667.1 CGLO|KAF3808949.1 CGLO|KAF3810434.1 CGLO|KAF3811870.1 CHIG|XP\_018150762.1 CHIG|XP\_018152968.1 CHIG|XP\_018154725.1 CHIG|XP\_018155183.1 CHIG|XP\_018155807.1 CVIN|KAF4899039.1 CVIN|KAF4911077.1 CVIN|KAF4912218.1 CVIN|KAF4918209.1 CVIN|KAF4920555.1 CVIN|KAF4920761.1 CVIN|KAF4922934.1 CVIN|KAF4923384.1 CVIN|KAF4924642.1 CVIN|KAF4927821.1 CVYL|A01146 CVYL|A05425 CVYL|A06190 CVYL|A06786 CVYL|A07985 CVYL|A07992 CVYL|A10636 CVYL|A12957 CVYL|A13556 CVYL|A13778 FGRM|XP\_011315742.1 FGRM|XP\_011316725.1 FGRM|XP\_011317595.1 FGRM|XP\_011318042.1 FGRM|XP\_011318179.1 FGRM|XP\_011318205.1 FGRM|XP\_011318304.1 FGRM|XP\_011321434.1 FGRM|XP\_011324427.1 FGRM|XP\_011325327.1 FGRM|XP\_011325731.1 MGRA|XP\_003849270.1 MGRA|XP\_003849597.1 MGRA|XP\_003854072.1 MLAR|XP\_007404292.1 MLAR|XP\_007404797.1 MLAR|XP\_007406345.1 MLAR|XP\_007407030.1 MORY|QBZ59331.1 MORY|QBZ61230.1 MORY|QBZ64859.1 NCRA|XP\_956862.1 NCRA|XP\_957264.2 NCRA|XP\_960135.1 SSCL|APA07671.1 SSCL|APA15456.1

>Orthogroup33: ANID|CBF80512.1 ANID|CBF83502.1 ANID|CBF83933.1 ANID|CBF89574.1 ANID|CBF89592.1 BCIN|XP\_001550175.1 BCIN|XP\_001554597.1 BCIN|XP\_001556145.1 BCIN|XP\_024547318.1 BCIN|XP\_024550636.1 BCIN|XP\_024552613.1 BCIN|XP\_024553530.1 BGRA|VCU41163.1 CFRU|XP\_031877509.1 CFRU|XP\_031879259.1 CFRU|XP\_031880404.1 CFRU|XP\_031884116.1 CFRU|XP\_031885451.1 CFRU|XP\_031887641.1 CFRU|XP\_031889476.1 CFRU|XP\_031891498.1 CGLO|KAF3797534.1 CGLO|KAF3803301.1 CGLO|KAF3806531.1 CGLO|KAF3807028.1 CGLO|KAF3807251.1 CGLO|KAF3808848.1 CGLO|KAF3811010.1 CHIG|XP\_018153027.1 CHIG|XP\_018155749.1 CHIG|XP\_018156925.1 CHIG|XP\_018157569.1 CHIG|XP\_018159713.1 CHIG|XP\_018160397.1 CHIG|XP\_018161264.1 CHIG|XP\_018163717.1 CVIN|KAF4909975.1 CVIN|KAF4920285.1 CVIN|KAF4921358.1 CVIN|KAF4921650.1 CVIN|KAF4924491.1 CVIN|KAF4926897.1 CVIN|KAF4928147.1 CVIN|KAF4928634.1 CVYL|A01232 CVYL|A01983 CVYL|A03735 CVYL|A04258 CVYL|A06323 CVYL|A09339 CVYL|A09777 CVYL|A10732 FGRM|XP\_011319357.1 FGRM|XP\_011320219.1 FGRM|XP\_011320999.1 FGRM|XP\_011321979.1 FGRM|XP\_011326703.1 FGRM|XP\_011328059.1 MGRA|XP\_003856039.1 MGRA|XP\_003857459.1 MLAR|XP\_007404609.1 MLAR|XP\_007410834.1 MLAR|XP\_007410919.1 MORY|QBZ57188.1 MORY|QBZ58167.1 MORY|QBZ62236.1 MORY|QBZ63706.1 MORY|QBZ64721.1 MORY|QBZ65953.1 NCRA|XP\_957931.2 NCRA|XP\_959431.1 NCRA|XP\_959670.1 NCRA|XP\_961116.1 NCRA|XP\_961253.2 NCRA|XP\_962581.3 NCRA|XP\_964654.3 SSCL|APA08737.1 SSCL|APA08869.1 SSCL|APA11333.1 SSCL|APA11453.1 SSCL|APA11655.1 SSCL|APA13767.1 SSCL|APA14299.1

>Orthogroup34: ANID|CBF70181.1 ANID|CBF73895.1 ANID|CBF76010.1 ANID|CBF76012.1 ANID|CBF82527.1 ANID|CBF83992.1 ANID|CBF86648.1 ANID|CBF86676.1 BCIN|XP\_001545295.2 BCIN|XP\_001545827.2 BCIN|XP\_001548264.1 BCIN|XP\_001560174.1 BCIN|XP\_001561189.2 BCIN|XP\_024552470.1 CFRU|XP\_031877937.1 CFRU|XP\_031878411.1 CFRU|XP\_031880074.1 CFRU|XP\_031883981.1 CFRU|XP\_031884526.1 CFRU|XP\_031884678.1 CFRU|XP\_031884916.1 CFRU|XP\_031885109.1 CFRU|XP\_031887981.1 CFRU|XP\_031889431.1 CFRU|XP\_031890262.1 CFRU|XP\_031892741.1 CGLO|KAF3797290.1 CGLO|KAF3797686.1 CGLO|KAF3799666.1 CGLO|KAF3802090.1 CGLO|KAF3802810.1 CGLO|KAF3805007.1 CGLO|KAF3807752.1 CGLO|KAF3810744.1 CGLO|KAF3810900.1 CGLO|KAF3812180.1 CHIG|XP\_018151067.1 CHIG|XP\_018151069.1 CHIG|XP\_018151232.1 CHIG|XP\_018152636.1 CHIG|XP\_018153403.1 CHIG|XP\_018154107.1 CHIG|XP\_018154933.1 CHIG|XP\_018156271.1 CHIG|XP\_018158419.1 CHIG|XP\_018159056.1 CHIG|XP\_018163512.1 CVIN|KAF4901000.1 CVIN|KAF4908249.1 CVIN|KAF4916342.1 CVIN|KAF4920535.1 CVIN|KAF4920955.1 CVIN|KAF4920956.1 CVIN|KAF4922755.1 CVIN|KAF4927139.1 CVIN|KAF4928277.1 CVIN|KAF4932015.1 CVYL|A00207 CVYL|A00846 CVYL|A01085 CVYL|A02245 CVYL|A06542 CVYL|A07207 FGRM|XP\_011315835.1 FGRM|XP\_011317959.1 FGRM|XP\_011321037.1 FGRM|XP\_011321929.1 FGRM|XP\_011323137.1 FGRM|XP\_011323138.1 FGRM|XP\_011323315.1 FGRM|XP\_011323851.1 FGRM|XP\_011326004.1 FGRM|XP\_011326006.1 FGRM|XP\_011326039.1 MGRA|XP\_003847842.1 MGRA|XP\_003851843.1 MORY|QBZ53626.1 MORY|QBZ57892.1 NCRA|XP\_960210.1 NCRA|XP\_962208.1 SSCL|APA08540.1 SSCL|APA09927.1

>Orthogroup35: MLAR|XP\_007403643.1 MLAR|XP\_007403773.1 MLAR|XP\_007404326.1 MLAR|XP\_007404327.1 MLAR|XP\_007404391.1 MLAR|XP\_007404417.1 MLAR|XP\_007404681.1 MLAR|XP\_007404842.1 MLAR|XP\_007405372.1 MLAR|XP\_007405423.1 MLAR|XP\_007405520.1 MLAR|XP\_007405796.1 MLAR|XP\_007406306.1 MLAR|XP\_007406639.1 MLAR|XP\_007406971.1 MLAR|XP\_007407074.1 MLAR|XP\_007407169.1 MLAR|XP\_007407325.1 MLAR|XP\_007407683.1 MLAR|XP\_007408198.1 MLAR|XP\_007408209.1 MLAR|XP\_007408359.1 MLAR|XP\_007408652.1 MLAR|XP\_007408799.1 MLAR|XP\_007408931.1 MLAR|XP\_007409026.1 MLAR|XP\_007409158.1 MLAR|XP\_007409210.1 MLAR|XP\_007409260.1 MLAR|XP\_007409320.1 MLAR|XP\_007409335.1 MLAR|XP\_007409486.1 MLAR|XP\_007409487.1 MLAR|XP\_007409503.1 MLAR|XP\_007409586.1 MLAR|XP\_007409916.1 MLAR|XP\_007409995.1 MLAR|XP\_007410107.1 MLAR|XP\_007411102.1 MLAR|XP\_007411136.1 MLAR|XP\_007411156.1 MLAR|XP\_007411157.1 MLAR|XP\_007411232.1 MLAR|XP\_007411567.1 MLAR|XP\_007411577.1 MLAR|XP\_007411712.1 MLAR|XP\_007411910.1 MLAR|XP\_007412868.1 MLAR|XP\_007412919.1 MLAR|XP\_007413135.1 MLAR|XP\_007413284.1 MLAR|XP\_007413504.1 MLAR|XP\_007413586.1 MLAR|XP\_007413838.1 MLAR|XP\_007413887.1 MLAR|XP\_007414312.1 MLAR|XP\_007414327.1 MLAR|XP\_007414894.1 MLAR|XP\_007414902.1 MLAR|XP\_007415105.1 MLAR|XP\_007415110.1 MLAR|XP\_007415264.1 MLAR|XP\_007415290.1 MLAR|XP\_007415477.1 MLAR|XP\_007415618.1 MLAR|XP\_007415848.1 MLAR|XP\_007416041.1 MLAR|XP\_007416228.1 MLAR|XP\_007416386.1 MLAR|XP\_007416517.1 MLAR|XP\_007416724.1 MLAR|XP\_007417471.1 MLAR|XP\_007418007.1 MLAR|XP\_007418020.1 MLAR|XP\_007418307.1 MLAR|XP\_007418414.1 MLAR|XP\_007418666.1 MLAR|XP\_007418704.1 MLAR|XP\_007419254.1 MLAR|XP\_007419310.1 MLAR|XP\_007419492.1 MLAR|XP\_007419696.1

>Orthogroup36: ANID|CBF81783.1 BCIN|XP\_001546796.1 BCIN|XP\_001550787.2 BCIN|XP\_001553843.1 BCIN|XP\_001560446.2 BCIN|XP\_024545915.1 BCIN|XP\_024547843.1 BCIN|XP\_024551122.1 BCIN|XP\_024552916.1 BCIN|XP\_024553623.1 BCIN|XP\_024553964.1 BGRA|VDB89895.1 CFRU|XP\_031878225.1 CFRU|XP\_031879117.1 CFRU|XP\_031882221.1 CFRU|XP\_031885161.1 CFRU|XP\_031885597.1 CFRU|XP\_031889164.1 CFRU|XP\_031889287.1 CFRU|XP\_031893087.1 CFRU|XP\_031893164.1 CGLO|KAF3798824.1 CGLO|KAF3803145.1 CGLO|KAF3803306.1 CGLO|KAF3804348.1 CGLO|KAF3804702.1 CGLO|KAF3808548.1 CGLO|KAF3809562.1 CGLO|KAF3810050.1 CGLO|KAF3810290.1 CGLO|KAF3810334.1 CHIG|XP\_018152609.1 CHIG|XP\_018153023.1 CHIG|XP\_018154881.1 CHIG|XP\_018155624.1 CHIG|XP\_018155654.1 CHIG|XP\_018158247.1 CHIG|XP\_018158452.1 CHIG|XP\_018158976.1 CHIG|XP\_018160126.1 CHIG|XP\_018163188.1 CHIG|XP\_018164249.1 CVIN|KAF4918321.1 CVIN|KAF4927572.1 CVIN|KAF4928337.1 CVIN|KAF4930101.1 CVYL|A01031 CVYL|A03742 CVYL|A04039 FGRM|XP\_011317677.1 FGRM|XP\_011318344.1 FGRM|XP\_011319605.1 FGRM|XP\_011320698.1 FGRM|XP\_011320873.1 FGRM|XP\_011321020.1 FGRM|XP\_011322652.1 FGRM|XP\_011322981.1 FGRM|XP\_011323249.1 FGRM|XP\_011325981.1 FGRM|XP\_011327107.1 MGRA|XP\_003851367.1 MGRA|XP\_003855939.1 MGRA|XP\_003856917.1 MORY|QBZ58484.1 MORY|QBZ61972.1 NCRA|XP\_011393667.1 NCRA|XP\_011394847.1 NCRA|XP\_955809.1 NCRA|XP\_956503.2 NCRA|XP\_956504.2 NCRA|XP\_956812.3 NCRA|XP\_958290.2 NCRA|XP\_958984.1 NCRA|XP\_958992.3 NCRA|XP\_960276.1 NCRA|XP\_962721.1 SSCL|APA07331.1 SSCL|APA07332.1 SSCL|APA07458.1 SSCL|APA08917.1 SSCL|APA16225.1

>Orthogroup37: MLAR|XP\_007404367.1 MLAR|XP\_007404421.1 MLAR|XP\_007404422.1 MLAR|XP\_007404423.1 MLAR|XP\_007404700.1 MLAR|XP\_007404702.1 MLAR|XP\_007405189.1 MLAR|XP\_007405333.1 MLAR|XP\_007405872.1 MLAR|XP\_007405873.1 MLAR|XP\_007405950.1 MLAR|XP\_007406039.1 MLAR|XP\_007406754.1 MLAR|XP\_007407750.1 MLAR|XP\_007407929.1 MLAR|XP\_007407930.1 MLAR|XP\_007408092.1 MLAR|XP\_007408093.1 MLAR|XP\_007408095.1 MLAR|XP\_007408233.1 MLAR|XP\_007408375.1 MLAR|XP\_007408454.1 MLAR|XP\_007408554.1 MLAR|XP\_007408645.1 MLAR|XP\_007408737.1 MLAR|XP\_007409161.1 MLAR|XP\_007409436.1 MLAR|XP\_007409528.1 MLAR|XP\_007409529.1 MLAR|XP\_007409698.1 MLAR|XP\_007409699.1 MLAR|XP\_007410024.1 MLAR|XP\_007410217.1 MLAR|XP\_007411055.1 MLAR|XP\_007411056.1 MLAR|XP\_007411251.1 MLAR|XP\_007411654.1 MLAR|XP\_007411655.1 MLAR|XP\_007411656.1 MLAR|XP\_007411914.1 MLAR|XP\_007411933.1 MLAR|XP\_007411934.1 MLAR|XP\_007412013.1 MLAR|XP\_007412432.1 MLAR|XP\_007412433.1 MLAR|XP\_007412800.1 MLAR|XP\_007413148.1 MLAR|XP\_007413149.1 MLAR|XP\_007413150.1 MLAR|XP\_007413621.1 MLAR|XP\_007413622.1 MLAR|XP\_007414170.1 MLAR|XP\_007414444.1 MLAR|XP\_007414445.1 MLAR|XP\_007414485.1 MLAR|XP\_007414488.1 MLAR|XP\_007415450.1 MLAR|XP\_007415711.1 MLAR|XP\_007416057.1 MLAR|XP\_007416120.1 MLAR|XP\_007416700.1 MLAR|XP\_007416702.1 MLAR|XP\_007417014.1 MLAR|XP\_007417015.1 MLAR|XP\_007417018.1 MLAR|XP\_007417105.1 MLAR|XP\_007417143.1 MLAR|XP\_007417161.1 MLAR|XP\_007417195.1 MLAR|XP\_007417658.1 MLAR|XP\_007417751.1 MLAR|XP\_007417793.1 MLAR|XP\_007418161.1 MLAR|XP\_007418677.1 MLAR|XP\_007419034.1 MLAR|XP\_007419259.1 MLAR|XP\_007419260.1 MLAR|XP\_007419327.1 MLAR|XP\_007419328.1 MLAR|XP\_007419412.1 MLAR|XP\_007419413.1

>Orthogroup38: ANID|CBF69720.1 ANID|CBF73447.1 ANID|CBF78390.1 ANID|CBF81471.1 BCIN|XP\_001552301.1 BCIN|XP\_001553165.1 BCIN|XP\_001555629.1 BCIN|XP\_001559665.1 BCIN|XP\_024548317.1 BCIN|XP\_024548513.1 BCIN|XP\_024551063.1 CFRU|XP\_031876343.1 CFRU|XP\_031877912.1 CFRU|XP\_031877966.1 CFRU|XP\_031880102.1 CFRU|XP\_031881649.1 CFRU|XP\_031883538.1 CFRU|XP\_031883802.1 CFRU|XP\_031883962.1 CFRU|XP\_031886704.1 CFRU|XP\_031891218.1 CGLO|KAF3799815.1 CGLO|KAF3804048.1 CGLO|KAF3804510.1 CGLO|KAF3804975.1 CGLO|KAF3805360.1 CGLO|KAF3805692.1 CGLO|KAF3809050.1 CGLO|KAF3810854.1 CGLO|KAF3810966.1 CGLO|KAF3811808.1 CGLO|KAF3811858.1 CHIG|XP\_018151727.1 CHIG|XP\_018154876.1 CHIG|XP\_018156752.1 CHIG|XP\_018159478.1 CHIG|XP\_018160175.1 CHIG|XP\_018163595.1 CVIN|KAF4907230.1 CVIN|KAF4907231.1 CVIN|KAF4907245.1 CVIN|KAF4907990.1 CVIN|KAF4909527.1 CVIN|KAF4911103.1 CVIN|KAF4920573.1 CVIN|KAF4920677.1 CVIN|KAF4924519.1 CVIN|KAF4924878.1 CVIN|KAF4927074.1 CVIN|KAF4927606.1 CVYL|A02183 CVYL|A02210 CVYL|A02292 CVYL|A04226 CVYL|A06198 CVYL|A07008 CVYL|A09694 CVYL|A09799 CVYL|A09855 CVYL|A11009 CVYL|A12811 FGRM|XP\_011315669.1 FGRM|XP\_011319514.1 FGRM|XP\_011319612.1 FGRM|XP\_011321394.1 FGRM|XP\_011324229.1 FGRM|XP\_011325223.1 FGRM|XP\_011325309.1 FGRM|XP\_011325381.1 FGRM|XP\_011325743.1 FGRM|XP\_011327154.1 MGRA|XP\_003848548.1 MGRA|XP\_003857361.1 MORY|QBZ53989.1 MORY|QBZ62969.1 MORY|QBZ64776.1 NCRA|XP\_963278.1 SSCL|APA11140.1 SSCL|APA12566.1

>Orthogroup39: ANID|CBF70575.1 ANID|CBF71554.1 ANID|CBF75994.1 ANID|CBF78577.1 ANID|CBF79044.1 BCIN|XP\_024546919.1 BCIN|XP\_024548506.1 BGRA|VDB89533.1 CFRU|XP\_031875635.1 CFRU|XP\_031877059.1 CFRU|XP\_031877099.1 CFRU|XP\_031878533.1 CFRU|XP\_031880667.1 CFRU|XP\_031881142.1 CFRU|XP\_031881339.1 CFRU|XP\_031889199.1 CFRU|XP\_031891145.1 CFRU|XP\_031891295.1 CGLO|KAF3797623.1 CGLO|KAF3798610.1 CGLO|KAF3803166.1 CGLO|KAF3804012.1 CGLO|KAF3804619.1 CGLO|KAF3805749.1 CGLO|KAF3809879.1 CGLO|KAF3809951.1 CGLO|KAF3811088.1 CHIG|XP\_018152977.1 CHIG|XP\_018153206.1 CHIG|XP\_018153923.1 CHIG|XP\_018155509.1 CHIG|XP\_018157415.1 CHIG|XP\_018161436.1 CHIG|XP\_018161531.1 CHIG|XP\_018162124.1 CHIG|XP\_018163599.1 CVIN|KAF4911082.1 CVIN|KAF4919098.1 CVIN|KAF4926612.1 CVIN|KAF4928352.1 CVIN|KAF4929429.1 CVIN|KAF4930103.1 CVIN|KAF4930623.1 CVIN|KAF4930721.1 CVYL|A01053 CVYL|A01672 CVYL|A01737 CVYL|A04836 CVYL|A05262 CVYL|A09707 CVYL|A09834 CVYL|A11077 FGRM|XP\_011315666.1 FGRM|XP\_011318200.1 FGRM|XP\_011318268.1 FGRM|XP\_011318518.1 FGRM|XP\_011319669.1 FGRM|XP\_011319921.1 FGRM|XP\_011321043.1 FGRM|XP\_011322459.1 FGRM|XP\_011322975.1 FGRM|XP\_011325199.1 FGRM|XP\_011325660.1 FGRM|XP\_011328712.1 MGRA|XP\_003849000.1 MGRA|XP\_003851043.1 MGRA|XP\_003852322.1 MGRA|XP\_003853319.1 MGRA|XP\_003856140.1 MGRA|XP\_003856665.1 MORY|QBZ55491.1 MORY|QBZ59123.1 NCRA|XP\_960988.3 NCRA|XP\_961779.1 NCRA|XP\_963122.1 NCRA|XP\_965499.1 SSCL|APA05824.1 SSCL|APA12136.1

>Orthogroup40: ANID|CBF69477.1 ANID|CBF74724.1 ANID|CBF75787.1 ANID|CBF86562.1 ANID|CBF86663.1 ANID|CBF87439.1 BCIN|XP\_024546468.1 BCIN|XP\_024546848.1 BCIN|XP\_024549741.1 BCIN|XP\_024551284.1 BCIN|XP\_024552365.1 CFRU|XP\_031877076.1 CFRU|XP\_031879333.1 CFRU|XP\_031881439.1 CFRU|XP\_031883941.1 CFRU|XP\_031885191.1 CFRU|XP\_031887184.1 CFRU|XP\_031887673.1 CFRU|XP\_031888590.1 CFRU|XP\_031890900.1 CFRU|XP\_031891472.1 CFRU|XP\_031892770.1 CGLO|KAF3797077.1 CGLO|KAF3800333.1 CGLO|KAF3803626.1 CGLO|KAF3804503.1 CGLO|KAF3807158.1 CGLO|KAF3808564.1 CGLO|KAF3809384.1 CGLO|KAF3811759.1 CHIG|XP\_018156231.1 CHIG|XP\_018157072.1 CHIG|XP\_018159811.1 CHIG|XP\_018160329.1 CHIG|XP\_018160989.1 CHIG|XP\_018161718.1 CHIG|XP\_018162819.1 CHIG|XP\_018163836.1 CVIN|KAF4899033.1 CVIN|KAF4900277.1 CVIN|KAF4906492.1 CVIN|KAF4913943.1 CVIN|KAF4917563.1 CVIN|KAF4918881.1 CVIN|KAF4924512.1 CVYL|A03125 CVYL|A03561 CVYL|A04218 CVYL|A07309 CVYL|A10632 CVYL|A11581 CVYL|A14559 FGRM|XP\_011317512.1 FGRM|XP\_011319891.1 FGRM|XP\_011322415.1 FGRM|XP\_011323027.1 FGRM|XP\_011323724.1 FGRM|XP\_011326420.1 FGRM|XP\_011326541.1 MGRA|XP\_003854389.1 MORY|QBZ53719.1 MORY|QBZ54702.1 MORY|QBZ56168.1 MORY|QBZ61823.1 MORY|QBZ63115.1 MORY|QBZ63231.1 MORY|QBZ63709.1 MORY|QBZ63995.1 MORY|QBZ66587.1 NCRA|XP\_011393292.1 NCRA|XP\_011393387.1 NCRA|XP\_958819.2 NCRA|XP\_959059.2 SSCL|APA05673.1 SSCL|APA06665.1 SSCL|APA10265.1 SSCL|APA13289.1

>Orthogroup41: ANID|CBF85186.1 ANID|CBF87102.1 ANID|CBF87366.1 BCIN|XP\_001549315.1 BCIN|XP\_024548713.1 BGRA|VDB94001.1 CFRU|XP\_031877452.1 CFRU|XP\_031877998.1 CFRU|XP\_031879318.1 CFRU|XP\_031880017.1 CFRU|XP\_031880410.1 CFRU|XP\_031880900.1 CFRU|XP\_031884300.1 CFRU|XP\_031892304.1 CGLO|KAF3797131.1 CGLO|KAF3798977.1 CGLO|KAF3799604.1 CGLO|KAF3806987.1 CGLO|KAF3807229.1 CGLO|KAF3808652.1 CHIG|XP\_018151678.1 CHIG|XP\_018152700.1 CHIG|XP\_018152701.1 CHIG|XP\_018152841.1 CHIG|XP\_018153111.1 CHIG|XP\_018154599.1 CHIG|XP\_018156530.1 CHIG|XP\_018159061.1 CHIG|XP\_018159610.1 CHIG|XP\_018160720.1 CHIG|XP\_018160868.1 CHIG|XP\_018161247.1 CHIG|XP\_018161856.1 CHIG|XP\_018164609.1 CVIN|KAF4896912.1 CVIN|KAF4909735.1 CVIN|KAF4918784.1 CVIN|KAF4920029.1 CVIN|KAF4923458.1 CVIN|KAF4926193.1 CVIN|KAF4926495.1 CVIN|KAF4926886.1 CVYL|A01018 CVYL|A06281 CVYL|A07896 CVYL|A08105 CVYL|A10180 CVYL|A10571 CVYL|A11210 CVYL|A11889 CVYL|A13466 FGRM|XP\_011316543.1 FGRM|XP\_011319294.1 FGRM|XP\_011321913.1 FGRM|XP\_011323260.1 FGRM|XP\_011325345.1 MGRA|XP\_003847740.1 MGRA|XP\_003848303.1 MGRA|XP\_003855184.1 MGRA|XP\_003857544.1 MLAR|XP\_007405002.1 MLAR|XP\_007405033.1 MLAR|XP\_007406915.1 MLAR|XP\_007409998.1 MLAR|XP\_007410394.1 MLAR|XP\_007410570.1 MLAR|XP\_007411475.1 MORY|QBZ53428.1 MORY|QBZ61009.1 MORY|QBZ64152.1 MORY|QBZ65452.1 NCRA|XP\_956509.3 NCRA|XP\_958259.1 NCRA|XP\_963967.2 NCRA|XP\_964148.3 SSCL|APA09984.1 SSCL|APA12116.1

>Orthogroup42: ANID|CBF85688.1 ANID|CBF86904.1 ANID|CBF87506.1 BCIN|XP\_001554986.1 BCIN|XP\_001560867.1 BCIN|XP\_024551837.1 BGRA|VDB90458.1 CFRU|XP\_031876518.1 CFRU|XP\_031877316.1 CFRU|XP\_031878871.1 CFRU|XP\_031884928.1 CFRU|XP\_031885153.1 CFRU|XP\_031891222.1 CFRU|XP\_031891227.1 CFRU|XP\_031891645.1 CFRU|XP\_031892338.1 CGLO|KAF3797014.1 CGLO|KAF3797152.1 CGLO|KAF3797885.1 CGLO|KAF3797887.1 CGLO|KAF3799909.1 CGLO|KAF3802619.1 CGLO|KAF3804727.1 CGLO|KAF3807660.1 CGLO|KAF3812181.1 CHIG|XP\_018151904.1 CHIG|XP\_018153413.1 CHIG|XP\_018153670.1 CHIG|XP\_018153780.1 CHIG|XP\_018156777.1 CHIG|XP\_018157093.1 CHIG|XP\_018161634.1 CHIG|XP\_018161637.1 CHIG|XP\_018161804.1 CHIG|XP\_018162883.1 CVIN|KAF4892828.1 CVIN|KAF4895818.1 CVIN|KAF4903974.1 CVIN|KAF4905512.1 CVIN|KAF4920958.1 CVIN|KAF4923096.1 CVIN|KAF4923348.1 CVIN|KAF4927779.1 CVYL|A00206 CVYL|A00379 CVYL|A01915 CVYL|A05322 CVYL|A05324 CVYL|A05391 CVYL|A06720 CVYL|A09612 CVYL|A10547 FGRM|XP\_011321484.1 FGRM|XP\_011322165.1 FGRM|XP\_011324230.1 FGRM|XP\_011324448.1 FGRM|XP\_011326051.1 FGRM|XP\_011326160.1 MGRA|XP\_003847665.1 MLAR|XP\_007405287.1 MLAR|XP\_007413158.1 MLAR|XP\_007413819.1 MLAR|XP\_007413821.1 MLAR|XP\_007417306.1 MORY|QBZ56729.1 MORY|QBZ59347.1 MORY|QBZ59453.1 MORY|QBZ60674.1 MORY|QBZ64097.1 MORY|QBZ64293.1 MORY|QBZ65515.1 NCRA|XP\_001728217.2 NCRA|XP\_958437.3 NCRA|XP\_959693.2 SSCL|APA07769.1 SSCL|APA08080.1 SSCL|APA14741.1

>Orthogroup43: ANID|CBF69379.1 ANID|CBF73623.1 ANID|CBF78333.1 ANID|CBF84231.1 ANID|CBF87203.1 ANID|CBF88879.1 BCIN|XP\_001548505.1 BCIN|XP\_001552101.2 BCIN|XP\_024549711.1 BCIN|XP\_024550026.1 BCIN|XP\_024551237.1 CFRU|XP\_031876679.1 CFRU|XP\_031879010.1 CFRU|XP\_031880076.1 CFRU|XP\_031881977.1 CFRU|XP\_031882357.1 CFRU|XP\_031883699.1 CFRU|XP\_031886202.1 CFRU|XP\_031886283.1 CFRU|XP\_031889787.1 CFRU|XP\_031891772.1 CFRU|XP\_031891968.1 CFRU|XP\_031893580.1 CGLO|KAF3798865.1 CGLO|KAF3800150.1 CGLO|KAF3800208.1 CGLO|KAF3801253.1 CGLO|KAF3801919.1 CGLO|KAF3806041.1 CGLO|KAF3806384.1 CGLO|KAF3806582.1 CGLO|KAF3809416.1 CGLO|KAF3809512.1 CHIG|XP\_018153373.1 CHIG|XP\_018155112.1 CHIG|XP\_018157621.1 CHIG|XP\_018163208.1 CHIG|XP\_018163209.1 CHIG|XP\_018164785.1 CVIN|KAF4916324.1 CVIN|KAF4918578.1 CVIN|KAF4918697.1 CVIN|KAF4920335.1 CVIN|KAF4920404.1 CVIN|KAF4920463.1 CVIN|KAF4921936.1 CVIN|KAF4923230.1 CVIN|KAF4924645.1 CVIN|KAF4925862.1 CVYL|A03080 CVYL|A06078 CVYL|A06844 CVYL|A07838 CVYL|A08505 CVYL|A09071 CVYL|A09286 CVYL|A10210 CVYL|A13945 FGRM|XP\_011321298.1 FGRM|XP\_011322937.1 FGRM|XP\_011327305.1 MGRA|XP\_003851356.1 MGRA|XP\_003851421.1 MGRA|XP\_003856963.1 MORY|QBZ56881.1 MORY|QBZ58276.1 MORY|QBZ64301.1 NCRA|XP\_959425.2 NCRA|XP\_960542.1 SSCL|APA05290.1 SSCL|APA05366.1 SSCL|APA05466.1 SSCL|APA08094.1 SSCL|APA09233.1 SSCL|APA10314.1 SSCL|APA12131.1

>Orthogroup44: MLAR|XP\_007403736.1 MLAR|XP\_007403737.1 MLAR|XP\_007404170.1 MLAR|XP\_007404258.1 MLAR|XP\_007405339.1 MLAR|XP\_007405471.1 MLAR|XP\_007405503.1 MLAR|XP\_007405567.1 MLAR|XP\_007405568.1 MLAR|XP\_007406322.1 MLAR|XP\_007406472.1 MLAR|XP\_007406473.1 MLAR|XP\_007406712.1 MLAR|XP\_007406713.1 MLAR|XP\_007406815.1 MLAR|XP\_007407156.1 MLAR|XP\_007407234.1 MLAR|XP\_007407304.1 MLAR|XP\_007407706.1 MLAR|XP\_007407715.1 MLAR|XP\_007407716.1 MLAR|XP\_007407718.1 MLAR|XP\_007408391.1 MLAR|XP\_007408392.1 MLAR|XP\_007408430.1 MLAR|XP\_007408749.1 MLAR|XP\_007408750.1 MLAR|XP\_007408751.1 MLAR|XP\_007408928.1 MLAR|XP\_007409357.1 MLAR|XP\_007409828.1 MLAR|XP\_007410182.1 MLAR|XP\_007410253.1 MLAR|XP\_007410732.1 MLAR|XP\_007410757.1 MLAR|XP\_007410897.1 MLAR|XP\_007410963.1 MLAR|XP\_007411227.1 MLAR|XP\_007411311.1 MLAR|XP\_007411367.1 MLAR|XP\_007411911.1 MLAR|XP\_007412174.1 MLAR|XP\_007412795.1 MLAR|XP\_007413271.1 MLAR|XP\_007413581.1 MLAR|XP\_007413764.1 MLAR|XP\_007413949.1 MLAR|XP\_007413950.1 MLAR|XP\_007414330.1 MLAR|XP\_007414707.1 MLAR|XP\_007415212.1 MLAR|XP\_007416759.1 MLAR|XP\_007417102.1 MLAR|XP\_007417187.1 MLAR|XP\_007417315.1 MLAR|XP\_007417328.1 MLAR|XP\_007417338.1 MLAR|XP\_007417449.1 MLAR|XP\_007417568.1 MLAR|XP\_007417589.1 MLAR|XP\_007417773.1 MLAR|XP\_007418014.1 MLAR|XP\_007418016.1 MLAR|XP\_007418017.1 MLAR|XP\_007418365.1 MLAR|XP\_007418593.1 MLAR|XP\_007418594.1 MLAR|XP\_007418663.1 MLAR|XP\_007418664.1 MLAR|XP\_007418930.1 MLAR|XP\_007419238.1 MLAR|XP\_007419287.1 MLAR|XP\_007419391.1 MLAR|XP\_007419519.1 MLAR|XP\_007419621.1 MLAR|XP\_007419833.1

>Orthogroup45: ANID|CBF75531.1 ANID|CBF77420.1 ANID|CBF80699.1 ANID|CBF83899.1 ANID|CBF87420.1 BCIN|XP\_001552246.1 BCIN|XP\_024546165.1 BCIN|XP\_024546993.1 BCIN|XP\_024547567.1 BCIN|XP\_024549373.1 CFRU|XP\_031876270.1 CFRU|XP\_031876461.1 CFRU|XP\_031880803.1 CFRU|XP\_031883164.1 CFRU|XP\_031885570.1 CFRU|XP\_031885908.1 CFRU|XP\_031888186.1 CFRU|XP\_031890952.1 CFRU|XP\_031892114.1 CFRU|XP\_031892380.1 CFRU|XP\_031893012.1 CGLO|KAF3797277.1 CGLO|KAF3798013.1 CGLO|KAF3800062.1 CGLO|KAF3802206.1 CGLO|KAF3805992.1 CGLO|KAF3806983.1 CGLO|KAF3808281.1 CGLO|KAF3809597.1 CGLO|KAF3810027.1 CGLO|KAF3811989.1 CHIG|XP\_018150561.1 CHIG|XP\_018150562.1 CHIG|XP\_018151101.1 CHIG|XP\_018152662.1 CHIG|XP\_018154322.1 CHIG|XP\_018157274.1 CHIG|XP\_018158075.1 CHIG|XP\_018159297.1 CHIG|XP\_018159611.1 CHIG|XP\_018165011.1 CVIN|KAF4889564.1 CVIN|KAF4915598.1 CVIN|KAF4917926.1 CVIN|KAF4918765.1 CVIN|KAF4919343.1 CVIN|KAF4921122.1 CVIN|KAF4924090.1 CVIN|KAF4925712.1 CVIN|KAF4930434.1 CVYL|A00618 CVYL|A02628 CVYL|A03192 CVYL|A05518 CVYL|A06277 CVYL|A06761 CVYL|A07524 CVYL|A08344 CVYL|A10413 CVYL|A12585 FGRM|XP\_011315611.1 FGRM|XP\_011317903.1 FGRM|XP\_011318307.1 FGRM|XP\_011319498.1 FGRM|XP\_011319918.1 FGRM|XP\_011322957.1 FGRM|XP\_011324993.1 MORY|QBZ60744.1 MORY|QBZ64249.1 MORY|QBZ66039.1 NCRA|XP\_011393225.1 NCRA|XP\_960029.1 SSCL|APA05941.1 SSCL|APA06439.1 SSCL|APA12901.1

>Orthogroup46: ANID|CBF71797.1 ANID|CBF71811.1 ANID|CBF74895.1 ANID|CBF79149.1 ANID|CBF80818.1 ANID|CBF82175.1 ANID|CBF82267.1 ANID|CBF84567.1 ANID|CBF86762.1 ANID|CBF87196.1 ANID|CBF88837.1 BCIN|XP\_001547022.2 BCIN|XP\_001547188.1 BCIN|XP\_001556101.1 BCIN|XP\_001559904.1 BCIN|XP\_024547382.1 BCIN|XP\_024547578.1 BCIN|XP\_024548833.1 BCIN|XP\_024549323.1 BCIN|XP\_024550039.1 BGRA|VCU39564.1 CFRU|XP\_031877084.1 CFRU|XP\_031877258.1 CFRU|XP\_031878987.1 CFRU|XP\_031880779.1 CFRU|XP\_031887285.1 CFRU|XP\_031887529.1 CFRU|XP\_031890175.1 CGLO|KAF3802832.1 CGLO|KAF3803305.1 CGLO|KAF3806788.1 CGLO|KAF3806874.1 CGLO|KAF3807842.1 CGLO|KAF3809322.1 CGLO|KAF3811107.1 CHIG|XP\_018151666.1 CHIG|XP\_018152961.1 CHIG|XP\_018156160.1 CHIG|XP\_018156539.1 CHIG|XP\_018156877.1 CHIG|XP\_018158299.1 CHIG|XP\_018159452.1 CHIG|XP\_018159588.1 CHIG|XP\_018162972.1 CHIG|XP\_018162973.1 CHIG|XP\_018163043.1 CVIN|KAF4895981.1 CVIN|KAF4905802.1 CVIN|KAF4911089.1 CVIN|KAF4914235.1 CVIN|KAF4922589.1 CVIN|KAF4924173.1 CVIN|KAF4928692.1 CVYL|A00769 CVYL|A01522 CVYL|A02450 CVYL|A02520 CVYL|A03741 CVYL|A05179 CVYL|A07977 FGRM|XP\_011318561.1 FGRM|XP\_011319293.1 FGRM|XP\_011320984.1 FGRM|XP\_011322964.1 FGRM|XP\_011324384.1 MORY|QBZ64964.1 NCRA|XP\_959754.2 NCRA|XP\_959846.2 NCRA|XP\_962191.1 SSCL|APA05649.1 SSCL|APA07730.1 SSCL|APA07731.1 SSCL|APA09746.1 SSCL|APA12866.1

>Orthogroup47: ANID|CBF78915.1 ANID|CBF79598.1 ANID|CBF82125.1 ANID|CBF83913.1 BCIN|XP\_001553590.2 BCIN|XP\_001554721.1 BCIN|XP\_001556430.1 BCIN|XP\_001558272.1 BCIN|XP\_024549627.1 BGRA|VCU39288.1 BGRA|VDB83697.1 CFRU|XP\_031879691.1 CFRU|XP\_031880955.1 CFRU|XP\_031881788.1 CFRU|XP\_031884010.1 CFRU|XP\_031884938.1 CFRU|XP\_031885123.1 CFRU|XP\_031885436.1 CFRU|XP\_031886446.1 CFRU|XP\_031891108.1 CGLO|KAF3797829.1 CGLO|KAF3798189.1 CGLO|KAF3798655.1 CGLO|KAF3800450.1 CGLO|KAF3801031.1 CGLO|KAF3801483.1 CGLO|KAF3805028.1 CGLO|KAF3807766.1 CGLO|KAF3811883.1 CHIG|XP\_018151908.1 CHIG|XP\_018155167.1 CHIG|XP\_018157505.1 CHIG|XP\_018160176.1 CHIG|XP\_018162965.1 CHIG|XP\_018163497.1 CVIN|KAF4900988.1 CVIN|KAF4902817.1 CVIN|KAF4908690.1 CVIN|KAF4916394.1 CVIN|KAF4919126.1 CVIN|KAF4919457.1 CVIN|KAF4920525.1 CVIN|KAF4920562.1 CVIN|KAF4927141.1 CVYL|A00352 CVYL|A00830 CVYL|A01835 CVYL|A04934 CVYL|A06176 CVYL|A06524 CVYL|A09393 CVYL|A12646 CVYL|A13012 FGRM|XP\_011317383.1 FGRM|XP\_011318251.1 FGRM|XP\_011319640.1 FGRM|XP\_011322258.1 FGRM|XP\_011322914.1 MGRA|XP\_003847891.1 MGRA|XP\_003855507.1 MGRA|XP\_003857137.1 MORY|QBZ53617.1 MORY|QBZ53765.1 MORY|QBZ57866.1 MORY|QBZ58348.1 MORY|QBZ62508.1 MORY|QBZ64210.1 MORY|QBZ64428.1 MORY|QBZ64978.1 SSCL|APA05756.1 SSCL|APA06425.1 SSCL|APA06574.1 SSCL|APA13668.1 SSCL|APA15462.1

>Orthogroup48: ANID|CBF71839.1 ANID|CBF79242.1 ANID|CBF80487.1 ANID|CBF85555.1 BCIN|XP\_024545898.1 BCIN|XP\_024546765.1 BCIN|XP\_024547721.1 BCIN|XP\_024551155.1 BCIN|XP\_024551712.1 CFRU|XP\_031875985.1 CFRU|XP\_031878464.1 CFRU|XP\_031878830.1 CFRU|XP\_031879403.1 CFRU|XP\_031880113.1 CFRU|XP\_031880367.1 CFRU|XP\_031884606.1 CFRU|XP\_031888898.1 CFRU|XP\_031891768.1 CFRU|XP\_031892880.1 CGLO|KAF3799137.1 CGLO|KAF3799174.1 CGLO|KAF3799748.1 CGLO|KAF3799810.1 CGLO|KAF3807230.1 CGLO|KAF3808608.1 CGLO|KAF3811794.1 CHIG|XP\_018151323.1 CHIG|XP\_018151545.1 CHIG|XP\_018151575.1 CHIG|XP\_018151759.1 CHIG|XP\_018154111.1 CHIG|XP\_018155044.1 CHIG|XP\_018156684.1 CHIG|XP\_018161565.1 CHIG|XP\_018163173.1 CHIG|XP\_018163481.1 CHIG|XP\_018163482.1 CHIG|XP\_018164608.1 CVIN|KAF4907999.1 CVIN|KAF4911610.1 CVIN|KAF4914906.1 CVIN|KAF4924923.1 CVIN|KAF4926162.1 CVYL|A01900 CVYL|A09698 CVYL|A09699 CVYL|A09700 CVYL|A11142 CVYL|A11347 CVYL|A12371 CVYL|A12800 FGRM|XP\_011319443.1 FGRM|XP\_011327617.1 MGRA|XP\_003856913.1 MORY|QBZ57568.1 MORY|QBZ57655.1 MORY|QBZ57672.1 MORY|QBZ58412.1 MORY|QBZ60730.1 MORY|QBZ63157.1 MORY|QBZ64454.1 MORY|QBZ64455.1 MORY|QBZ64960.1 MORY|QBZ64967.1 MORY|QBZ66514.1 NCRA|XP\_011395280.1 SSCL|APA06275.1 SSCL|APA07155.1 SSCL|APA07157.1 SSCL|APA15016.1 SSCL|APA15164.1 SSCL|APA15392.1 SSCL|APA15881.1

>Orthogroup49: ANID|CBF76870.1 ANID|CBF79672.1 ANID|CBF80350.1 ANID|CBF84638.1 ANID|CBF87442.1 ANID|CBF87998.1 ANID|CBF88817.1 BCIN|XP\_001555249.2 BCIN|XP\_024546005.1 BCIN|XP\_024549700.1 BCIN|XP\_024551902.1 BCIN|XP\_024552672.1 CFRU|XP\_031875698.1 CFRU|XP\_031876103.1 CFRU|XP\_031877969.1 CFRU|XP\_031878188.1 CFRU|XP\_031879160.1 CFRU|XP\_031884954.1 CFRU|XP\_031886674.1 CFRU|XP\_031891005.1 CGLO|KAF3798124.1 CGLO|KAF3807011.1 CGLO|KAF3807378.1 CGLO|KAF3807490.1 CGLO|KAF3808510.1 CGLO|KAF3810885.1 CGLO|KAF3811706.1 CGLO|KAF3812190.1 CHIG|XP\_018151580.1 CHIG|XP\_018151829.1 CHIG|XP\_018153420.1 CHIG|XP\_018153944.1 CHIG|XP\_018154915.1 CHIG|XP\_018156277.1 CHIG|XP\_018156861.1 CHIG|XP\_018158744.1 CHIG|XP\_018159677.1 CHIG|XP\_018161966.1 CVIN|KAF4887324.1 CVIN|KAF4905042.1 CVIN|KAF4907617.1 CVIN|KAF4916359.1 CVIN|KAF4917720.1 CVIN|KAF4920973.1 CVIN|KAF4927952.1 CVYL|A00198 CVYL|A02259 CVYL|A05012 CVYL|A06304 CVYL|A08235 CVYL|A10641 CVYL|A11629 CVYL|A12729 FGRM|XP\_011320479.1 FGRM|XP\_011321004.1 FGRM|XP\_011321788.1 FGRM|XP\_011321957.1 FGRM|XP\_011322960.1 FGRM|XP\_011325975.1 FGRM|XP\_011326015.1 FGRM|XP\_011328426.1 MGRA|XP\_003848153.1 MGRA|XP\_003848348.1 MGRA|XP\_003849789.1 MORY|QBZ57908.1 MORY|QBZ59886.1 MORY|QBZ61807.1 NCRA|XP\_011394124.1 NCRA|XP\_960553.1 SSCL|APA05634.1 SSCL|APA08596.1 SSCL|APA08670.1 SSCL|APA15543.1

>Orthogroup50: ANID|CBF73911.1 ANID|CBF74938.1 ANID|CBF79108.1 ANID|CBF84724.1 ANID|CBF87204.1 CFRU|XP\_031877317.1 CFRU|XP\_031877449.1 CFRU|XP\_031878954.1 CFRU|XP\_031882714.1 CFRU|XP\_031883079.1 CFRU|XP\_031883795.1 CFRU|XP\_031883831.1 CFRU|XP\_031888826.1 CFRU|XP\_031890713.1 CFRU|XP\_031891653.1 CFRU|XP\_031891987.1 CGLO|KAF3799915.1 CGLO|KAF3800709.1 CGLO|KAF3801285.1 CGLO|KAF3801577.1 CGLO|KAF3804275.1 CGLO|KAF3804600.1 CGLO|KAF3805679.1 CGLO|KAF3806634.1 CGLO|KAF3807893.1 CHIG|XP\_018153788.1 CHIG|XP\_018160083.1 CHIG|XP\_018161990.1 CHIG|XP\_018163077.1 CHIG|XP\_018163199.1 CHIG|XP\_018163264.1 CHIG|XP\_018163341.1 CHIG|XP\_018163562.1 CHIG|XP\_018163572.1 CHIG|XP\_018164228.1 CHIG|XP\_018164843.1 CVIN|KAF4891283.1 CVIN|KAF4903973.1 CVIN|KAF4909058.1 CVIN|KAF4915220.1 CVIN|KAF4918914.1 CVIN|KAF4920672.1 CVIN|KAF4921113.1 CVIN|KAF4921586.1 CVIN|KAF4922616.1 CVYL|A00496 CVYL|A00720 CVYL|A03958 CVYL|A05280 CVYL|A07803 CVYL|A09607 CVYL|A09871 CVYL|A11675 CVYL|A12347 CVYL|A12556 FGRM|XP\_011315570.1 FGRM|XP\_011315663.1 FGRM|XP\_011315684.1 FGRM|XP\_011322094.1 FGRM|XP\_011322436.1 FGRM|XP\_011322627.1 FGRM|XP\_011323293.1 FGRM|XP\_011325163.1 FGRM|XP\_011325302.1 FGRM|XP\_011325717.1 FGRM|XP\_011327111.1 FGRM|XP\_011327401.1 MGRA|XP\_003847854.1 MGRA|XP\_003856916.1 MORY|QBZ54779.1 MORY|QBZ59187.1 MORY|QBZ66484.1

>Orthogroup51: ANID|CBF78968.1 ANID|CBF80368.1 ANID|CBF82374.1 ANID|CBF84544.1 BCIN|XP\_001550950.1 BCIN|XP\_001552369.2 BCIN|XP\_001552463.1 BCIN|XP\_001559473.1 BCIN|XP\_024551932.1 CFRU|XP\_031877244.1 CFRU|XP\_031878584.1 CFRU|XP\_031883223.1 CFRU|XP\_031883954.1 CFRU|XP\_031884233.1 CFRU|XP\_031885739.1 CFRU|XP\_031887006.1 CFRU|XP\_031887846.1 CFRU|XP\_031889937.1 CFRU|XP\_031890287.1 CFRU|XP\_031892890.1 CGLO|KAF3798381.1 CGLO|KAF3798749.1 CGLO|KAF3802193.1 CGLO|KAF3805077.1 CGLO|KAF3806799.1 CGLO|KAF3808174.1 CGLO|KAF3810042.1 CGLO|KAF3810411.1 CGLO|KAF3811062.1 CGLO|KAF3811232.1 CHIG|XP\_018151683.1 CHIG|XP\_018153118.1 CHIG|XP\_018156489.1 CHIG|XP\_018157761.1 CHIG|XP\_018160455.1 CHIG|XP\_018162668.1 CHIG|XP\_018162921.1 CHIG|XP\_018163238.1 CHIG|XP\_018163436.1 CVIN|KAF4908470.1 CVIN|KAF4915263.1 CVIN|KAF4917941.1 CVIN|KAF4922753.1 CVIN|KAF4922812.1 CVIN|KAF4924263.1 CVIN|KAF4927434.1 CVIN|KAF4931188.1 CVYL|A00528 CVYL|A02638 CVYL|A03200 CVYL|A04434 CVYL|A06482 CVYL|A08201 CVYL|A09168 CVYL|A11390 FGRM|XP\_011319409.1 FGRM|XP\_011320621.1 FGRM|XP\_011321721.1 FGRM|XP\_011322264.1 FGRM|XP\_011322742.1 FGRM|XP\_011327386.1 FGRM|XP\_011327709.1 MORY|QBZ56311.1 MORY|QBZ60796.1 MORY|QBZ61242.1 NCRA|XP\_958051.1 SSCL|APA07141.1 SSCL|APA07637.1 SSCL|APA07638.1 SSCL|APA11187.1 SSCL|APA14440.1

>Orthogroup52: ANID|CBF70143.1 BCIN|XP\_001546526.1 BCIN|XP\_024546846.1 BCIN|XP\_024550517.1 BCIN|XP\_024552595.1 BGRA|VDB93027.1 BGRA|VDB96336.1 CFRU|XP\_031877100.1 CFRU|XP\_031878999.1 CFRU|XP\_031882117.1 CFRU|XP\_031886402.1 CFRU|XP\_031887243.1 CFRU|XP\_031888807.1 CGLO|KAF3799275.1 CGLO|KAF3801496.1 CGLO|KAF3801568.1 CGLO|KAF3803996.1 CGLO|KAF3806105.1 CGLO|KAF3806296.1 CGLO|KAF3807903.1 CGLO|KAF3812017.1 CHIG|XP\_018150930.1 CHIG|XP\_018151993.1 CHIG|XP\_018161427.1 CHIG|XP\_018162249.1 CHIG|XP\_018164224.1 CHIG|XP\_018164562.1 CVIN|KAF4902335.1 CVIN|KAF4923953.1 CVIN|KAF4924817.1 CVIN|KAF4925165.1 CVYL|A07407 CVYL|A08805 CVYL|A10165 CVYL|A11888 CVYL|A12563 FGRM|XP\_011324337.1 FGRM|XP\_011325980.1 MGRA|XP\_003853182.1 MGRA|XP\_003856737.1 MLAR|XP\_007410399.1 MLAR|XP\_007412271.1 MLAR|XP\_007414363.1 MLAR|XP\_007414367.1 MLAR|XP\_007414368.1 MLAR|XP\_007414598.1 MLAR|XP\_007414733.1 MLAR|XP\_007414838.1 MLAR|XP\_007417412.1 MLAR|XP\_007417414.1 MLAR|XP\_007417415.1 MLAR|XP\_007417459.1 MLAR|XP\_007417470.1 MORY|QBZ53443.1 MORY|QBZ54120.1 MORY|QBZ54446.1 MORY|QBZ55507.1 MORY|QBZ59909.1 MORY|QBZ60765.1 MORY|QBZ62992.1 MORY|QBZ63442.1 MORY|QBZ64172.1 MORY|QBZ65090.1 MORY|QBZ65769.1 NCRA|XP\_956233.2 NCRA|XP\_957767.1 NCRA|XP\_957968.2 NCRA|XP\_963161.1 SSCL|APA11262.1 SSCL|APA15126.1

>Orthogroup53: MLAR|XP\_007403521.1 MLAR|XP\_007403576.1 MLAR|XP\_007403964.1 MLAR|XP\_007403981.1 MLAR|XP\_007404227.1 MLAR|XP\_007404267.1 MLAR|XP\_007404488.1 MLAR|XP\_007404816.1 MLAR|XP\_007405108.1 MLAR|XP\_007405404.1 MLAR|XP\_007405480.1 MLAR|XP\_007405866.1 MLAR|XP\_007406544.1 MLAR|XP\_007407363.1 MLAR|XP\_007407509.1 MLAR|XP\_007407748.1 MLAR|XP\_007407779.1 MLAR|XP\_007407804.1 MLAR|XP\_007407932.1 MLAR|XP\_007408258.1 MLAR|XP\_007408376.1 MLAR|XP\_007408426.1 MLAR|XP\_007408932.1 MLAR|XP\_007409094.1 MLAR|XP\_007409461.1 MLAR|XP\_007409709.1 MLAR|XP\_007410143.1 MLAR|XP\_007410423.1 MLAR|XP\_007410539.1 MLAR|XP\_007410637.1 MLAR|XP\_007410913.1 MLAR|XP\_007411079.1 MLAR|XP\_007411214.1 MLAR|XP\_007411578.1 MLAR|XP\_007411690.1 MLAR|XP\_007412378.1 MLAR|XP\_007412452.1 MLAR|XP\_007412459.1 MLAR|XP\_007412574.1 MLAR|XP\_007412716.1 MLAR|XP\_007412758.1 MLAR|XP\_007413061.1 MLAR|XP\_007413854.1 MLAR|XP\_007413953.1 MLAR|XP\_007414060.1 MLAR|XP\_007414078.1 MLAR|XP\_007414194.1 MLAR|XP\_007414257.1 MLAR|XP\_007414270.1 MLAR|XP\_007414690.1 MLAR|XP\_007414965.1 MLAR|XP\_007415172.1 MLAR|XP\_007415562.1 MLAR|XP\_007415636.1 MLAR|XP\_007415843.1 MLAR|XP\_007415949.1 MLAR|XP\_007416189.1 MLAR|XP\_007416689.1 MLAR|XP\_007416755.1 MLAR|XP\_007417885.1 MLAR|XP\_007418605.1 MLAR|XP\_007418832.1 MLAR|XP\_007419201.1 MLAR|XP\_007419435.1 MLAR|XP\_007419443.1 MLAR|XP\_007419597.1 MLAR|XP\_007419792.1 MLAR|XP\_007419796.1

>Orthogroup54: ANID|CBF69576.1 ANID|CBF74212.1 ANID|CBF85206.1 BCIN|XP\_024546135.1 BCIN|XP\_024548090.1 BCIN|XP\_024549543.1 BCIN|XP\_024553253.1 BCIN|XP\_024553654.1 BCIN|XP\_024553655.1 CFRU|XP\_031875476.1 CFRU|XP\_031877889.1 CFRU|XP\_031882830.1 CFRU|XP\_031883559.1 CFRU|XP\_031884081.1 CFRU|XP\_031884307.1 CFRU|XP\_031886183.1 CFRU|XP\_031887649.1 CFRU|XP\_031891787.1 CGLO|KAF3800012.1 CGLO|KAF3800013.1 CGLO|KAF3801124.1 CGLO|KAF3801340.1 CGLO|KAF3803344.1 CGLO|KAF3807739.1 CGLO|KAF3810938.1 CHIG|XP\_018153041.1 CHIG|XP\_018153208.1 CHIG|XP\_018154899.1 CHIG|XP\_018155238.1 CHIG|XP\_018155409.1 CHIG|XP\_018156549.1 CHIG|XP\_018158354.1 CHIG|XP\_018158970.1 CHIG|XP\_018159776.1 CHIG|XP\_018163507.1 CVIN|KAF4909510.1 CVIN|KAF4910741.1 CVIN|KAF4920199.1 CVIN|KAF4920200.1 CVIN|KAF4926866.1 CVIN|KAF4930388.1 CVYL|A02209 CVYL|A03617 CVYL|A05720 CVYL|A07744 CVYL|A09792 CVYL|A10227 CVYL|A10228 CVYL|A12386 FGRM|XP\_011327114.1 MGRA|XP\_003847983.1 MLAR|XP\_007405465.1 MLAR|XP\_007407851.1 MLAR|XP\_007408255.1 MLAR|XP\_007408995.1 MORY|QBZ66334.1 NCRA|XP\_001728006.1 NCRA|XP\_011395087.1 NCRA|XP\_958335.2 NCRA|XP\_960129.3 NCRA|XP\_963151.3 SSCL|APA07147.1 SSCL|APA07876.1 SSCL|APA08621.1 SSCL|APA08622.1 SSCL|APA10045.1 SSCL|APA15443.1

>Orthogroup55: ANID|CBF83314.1 ANID|CBF84412.1 ANID|CBF84606.1 ANID|CBF85105.1 ANID|CBF89359.1 BCIN|XP\_001548382.2 BCIN|XP\_024546642.1 BCIN|XP\_024547053.1 BCIN|XP\_024549037.1 BCIN|XP\_024549225.1 BCIN|XP\_024550645.1 BCIN|XP\_024552083.1 BGRA|VCU40519.1 BGRA|VDB85750.1 CFRU|XP\_031875478.1 CFRU|XP\_031875610.1 CFRU|XP\_031877398.1 CFRU|XP\_031878950.1 CFRU|XP\_031884693.1 CFRU|XP\_031885144.1 CFRU|XP\_031887068.1 CFRU|XP\_031888353.1 CFRU|XP\_031890699.1 CGLO|KAF3799078.1 CGLO|KAF3803742.1 CGLO|KAF3804857.1 CGLO|KAF3807796.1 CGLO|KAF3807898.1 CGLO|KAF3811430.1 CHIG|XP\_018150692.1 CHIG|XP\_018153171.1 CHIG|XP\_018158181.1 CHIG|XP\_018160671.1 CHIG|XP\_018160672.1 CHIG|XP\_018163072.1 CHIG|XP\_018164389.1 CVIN|KAF4890057.1 CVIN|KAF4917883.1 CVIN|KAF4918265.1 CVIN|KAF4921145.1 CVIN|KAF4921525.1 CVIN|KAF4922613.1 CVIN|KAF4931502.1 CVYL|A00716 CVYL|A04628 CVYL|A11451 CVYL|A11703 CVYL|A12216 FGRM|XP\_011317675.1 FGRM|XP\_011318560.1 FGRM|XP\_011323190.1 FGRM|XP\_011325897.1 FGRM|XP\_011326846.1 FGRM|XP\_011327571.1 FGRM|XP\_011328375.1 MGRA|XP\_003854900.1 MORY|QBZ58824.1 MORY|QBZ59242.1 MORY|QBZ65261.1 NCRA|XP\_959387.2 NCRA|XP\_962732.1 SSCL|APA06964.1 SSCL|APA07626.1 SSCL|APA09274.1 SSCL|APA11463.1 SSCL|APA12867.1 SSCL|APA14512.1

>Orthogroup56: ANID|CBF74901.1 ANID|CBF80318.1 ANID|CBF87450.1 BCIN|XP\_001548196.2 BCIN|XP\_001552368.1 BCIN|XP\_024550954.1 BCIN|XP\_024551225.1 CFRU|XP\_031876119.1 CFRU|XP\_031876860.1 CFRU|XP\_031877945.1 CFRU|XP\_031881795.1 CFRU|XP\_031884629.1 CFRU|XP\_031885681.1 CFRU|XP\_031891412.1 CFRU|XP\_031892306.1 CFRU|XP\_031893188.1 CFRU|XP\_031893386.1 CGLO|KAF3796961.1 CGLO|KAF3797828.1 CGLO|KAF3797987.1 CGLO|KAF3800841.1 CGLO|KAF3804746.1 CGLO|KAF3807361.1 CGLO|KAF3809523.1 CGLO|KAF3810254.1 CGLO|KAF3810923.1 CHIG|XP\_018150853.1 CHIG|XP\_018152667.1 CHIG|XP\_018154912.1 CHIG|XP\_018156865.1 CHIG|XP\_018157944.1 CHIG|XP\_018158325.1 CHIG|XP\_018159306.1 CHIG|XP\_018161831.1 CVIN|KAF4893184.1 CVIN|KAF4898617.1 CVIN|KAF4900989.1 CVIN|KAF4903555.1 CVIN|KAF4903964.1 CVIN|KAF4909515.1 CVIN|KAF4910803.1 CVIN|KAF4915586.1 CVIN|KAF4918553.1 CVIN|KAF4920057.1 CVYL|A02222 CVYL|A02856 CVYL|A05374 CVYL|A05819 CVYL|A08366 CVYL|A08496 CVYL|A11082 CVYL|A13013 FGRM|XP\_011321952.1 FGRM|XP\_011322074.1 FGRM|XP\_011322238.1 FGRM|XP\_011325385.1 MGRA|XP\_003852501.1 MGRA|XP\_003853421.1 MLAR|XP\_007403528.1 MLAR|XP\_007404054.1 MLAR|XP\_007404127.1 MLAR|XP\_007412301.1 MORY|QBZ66380.1 NCRA|XP\_960108.2 SSCL|APA05817.1 SSCL|APA10116.1

>Orthogroup57: ANID|CBF69883.1 ANID|CBF75444.1 ANID|CBF80391.1 ANID|CBF80759.1 ANID|CBF83286.1 ANID|CBF89614.1 BCIN|XP\_001550120.1 BCIN|XP\_024546754.1 BCIN|XP\_024548743.1 BCIN|XP\_024550668.1 BGRA|VCU39421.1 CFRU|XP\_031879144.1 CFRU|XP\_031880817.1 CFRU|XP\_031881027.1 CFRU|XP\_031884325.1 CFRU|XP\_031884681.1 CFRU|XP\_031884858.1 CFRU|XP\_031888972.1 CFRU|XP\_031893363.1 CGLO|KAF3799217.1 CGLO|KAF3799668.1 CGLO|KAF3799999.1 CGLO|KAF3801017.1 CGLO|KAF3807069.1 CGLO|KAF3809686.1 CGLO|KAF3809830.1 CHIG|XP\_018152092.1 CHIG|XP\_018152501.1 CHIG|XP\_018153050.1 CHIG|XP\_018153333.1 CHIG|XP\_018157908.1 CHIG|XP\_018158312.1 CHIG|XP\_018158887.1 CHIG|XP\_018159729.1 CVIN|KAF4895373.1 CVIN|KAF4900576.1 CVIN|KAF4909314.1 CVIN|KAF4912984.1 CVIN|KAF4920244.1 CVIN|KAF4925028.1 CVIN|KAF4925029.1 CVIN|KAF4926917.1 CVIN|KAF4930696.1 CVYL|A01782 CVYL|A02511 CVYL|A05831 CVYL|A05892 CVYL|A06362 CVYL|A09584 CVYL|A10112 CVYL|A10215 FGRM|XP\_011316218.1 FGRM|XP\_011321947.1 FGRM|XP\_011321955.1 FGRM|XP\_011325971.1 FGRM|XP\_011327456.1 FGRM|XP\_011328004.1 MGRA|XP\_003849072.1 MGRA|XP\_003849571.1 MORY|QBZ56753.1 MORY|QBZ64219.1 NCRA|XP\_959994.1 SSCL|APA06394.1 SSCL|APA09757.1 SSCL|APA11375.1

>Orthogroup58: ANID|CBF74606.1 ANID|CBF76247.1 ANID|CBF82403.1 ANID|CBF84541.1 ANID|CBF85644.1 ANID|CBF86932.1 ANID|CBF87147.1 BCIN|XP\_001549481.1 BCIN|XP\_001550319.2 BCIN|XP\_001551816.1 BCIN|XP\_001560561.1 BCIN|XP\_024549445.1 BCIN|XP\_024550095.1 BGRA|VCU39568.1 BGRA|VCU40050.1 CFRU|XP\_031879882.1 CFRU|XP\_031880000.1 CFRU|XP\_031882586.1 CFRU|XP\_031887070.1 CFRU|XP\_031893598.1 CGLO|KAF3798924.1 CGLO|KAF3800864.1 CGLO|KAF3811390.1 CHIG|XP\_018150835.1 CHIG|XP\_018151032.1 CHIG|XP\_018152883.1 CHIG|XP\_018152958.1 CHIG|XP\_018164869.1 CVIN|KAF4894129.1 CVIN|KAF4908222.1 CVIN|KAF4915572.1 CVIN|KAF4919707.1 CVIN|KAF4925434.1 CVYL|A04582 CVYL|A07844 CVYL|A07946 CVYL|A08887 CVYL|A11103 FGRM|XP\_011317293.1 FGRM|XP\_011321585.1 FGRM|XP\_011324437.1 FGRM|XP\_011326064.1 FGRM|XP\_011327369.1 MGRA|XP\_003849364.1 MGRA|XP\_003850562.1 MGRA|XP\_003850624.1 MGRA|XP\_003851142.1 MGRA|XP\_003852793.1 MGRA|XP\_003854119.1 MGRA|XP\_003857615.1 MGRA|XP\_003857633.1 MLAR|XP\_007411601.1 MLAR|XP\_007417809.1 MLAR|XP\_007417818.1 MORY|QBZ54097.1 MORY|QBZ61957.1 MORY|QBZ63714.1 MORY|QBZ65245.1 NCRA|XP\_958937.1 NCRA|XP\_961039.2 NCRA|XP\_964364.3 SSCL|APA09218.1 SSCL|APA10724.1 SSCL|APA12809.1 SSCL|APA16223.1

>Orthogroup59: ANID|CBF81670.1 BCIN|XP\_024551302.1 BGRA|VDB87573.1 BGRA|VDB93269.1 CFRU|XP\_031875834.1 CFRU|XP\_031881870.1 CFRU|XP\_031886960.1 CFRU|XP\_031889614.1 CFRU|XP\_031889888.1 CFRU|XP\_031889962.1 CFRU|XP\_031891757.1 CFRU|XP\_031891940.1 CGLO|KAF3800107.1 CGLO|KAF3805556.1 CGLO|KAF3805964.1 CGLO|KAF3810010.1 CGLO|KAF3810417.1 CGLO|KAF3810557.1 CGLO|KAF3811329.1 CHIG|XP\_018157722.1 CHIG|XP\_018158409.1 CHIG|XP\_018158993.1 CHIG|XP\_018159043.1 CHIG|XP\_018162653.1 CHIG|XP\_018164202.1 CHIG|XP\_018165043.1 CVIN|KAF4899749.1 CVIN|KAF4908457.1 CVIN|KAF4913009.1 CVIN|KAF4917809.1 CVIN|KAF4925854.1 CVIN|KAF4927246.1 CVYL|A02609 CVYL|A04512 CVYL|A11385 CVYL|A13635 CVYL|A13758 FGRM|XP\_011316519.1 FGRM|XP\_011319519.1 FGRM|XP\_011319597.1 FGRM|XP\_011319725.1 FGRM|XP\_011320303.1 FGRM|XP\_011320766.1 FGRM|XP\_011320819.1 FGRM|XP\_011322405.1 FGRM|XP\_011322424.1 FGRM|XP\_011322817.1 FGRM|XP\_011322839.1 FGRM|XP\_011322840.1 FGRM|XP\_011325824.1 FGRM|XP\_011328363.1 MGRA|XP\_003852424.1 MGRA|XP\_003852996.1 MGRA|XP\_003853885.1 MGRA|XP\_003856006.1 MGRA|XP\_003857144.1 MORY|QBZ54532.1 MORY|QBZ55187.1 MORY|QBZ55847.1 MORY|QBZ60012.1 MORY|QBZ65875.1 NCRA|XP\_957384.1 NCRA|XP\_958219.1 NCRA|XP\_959818.1 SSCL|APA10586.1

>Orthogroup60: ANID|CBF71484.1 ANID|CBF71848.1 ANID|CBF71850.1 ANID|CBF71852.1 ANID|CBF74006.1 ANID|CBF76028.1 ANID|CBF76085.1 ANID|CBF76161.1 ANID|CBF76163.1 ANID|CBF76165.1 ANID|CBF79347.1 ANID|CBF80194.1 ANID|CBF80196.1 ANID|CBF80218.1 ANID|CBF80219.1 ANID|CBF80226.1 ANID|CBF80228.1 ANID|CBF80230.1 ANID|CBF80252.1 ANID|CBF80253.1 ANID|CBF80272.1 ANID|CBF80836.1 ANID|CBF80843.1 ANID|CBF80845.1 ANID|CBF80847.1 ANID|CBF81153.1 ANID|CBF81155.1 ANID|CBF81157.1 ANID|CBF81164.1 ANID|CBF81844.1 ANID|CBF81848.1 ANID|CBF81850.1 ANID|CBF81852.1 ANID|CBF81853.1 ANID|CBF82237.1 ANID|CBF82246.1 ANID|CBF84162.1 ANID|CBF84163.1 ANID|CBF84238.1 ANID|CBF86037.1 ANID|CBF87221.1 ANID|CBF87223.1 ANID|CBF89285.1 ANID|CBF89286.1 ANID|CBF89288.1 ANID|CBF89334.1 ANID|CBF89606.1 CFRU|XP\_031875306.1 CFRU|XP\_031879236.1 CFRU|XP\_031881202.1 CGLO|KAF3803874.1 CHIG|XP\_018151903.1 CHIG|XP\_018155492.1 MGRA|XP\_003855599.1 NCRA|XP\_011394023.1 NCRA|XP\_958002.1 SSCL|APA07562.1 SSCL|APA10029.1 SSCL|APA10429.1 SSCL|APA10430.1 SSCL|APA11524.1 SSCL|APA11926.1 SSCL|APA12632.1 SSCL|APA13902.1

>Orthogroup61: CFRU|XP\_031876143.1 CFRU|XP\_031877260.1 CFRU|XP\_031878865.1 CFRU|XP\_031880891.1 CFRU|XP\_031881330.1 CFRU|XP\_031884810.1 CFRU|XP\_031884867.1 CFRU|XP\_031885761.1 CFRU|XP\_031889216.1 CFRU|XP\_031891724.1 CFRU|XP\_031893185.1 CGLO|KAF3800091.1 CGLO|KAF3800934.1 CGLO|KAF3802571.1 CGLO|KAF3806841.1 CGLO|KAF3808736.1 CGLO|KAF3809639.1 CGLO|KAF3810076.1 CGLO|KAF3810286.1 CGLO|KAF3812158.1 CGLO|KAF3812177.1 CHIG|XP\_018152569.1 CHIG|XP\_018153389.1 CHIG|XP\_018153401.1 CHIG|XP\_018155639.1 CHIG|XP\_018157919.1 CHIG|XP\_018159520.1 CHIG|XP\_018159614.1 CHIG|XP\_018159839.1 CHIG|XP\_018161348.1 CHIG|XP\_018165032.1 CVIN|KAF4892844.1 CVIN|KAF4896990.1 CVIN|KAF4896992.1 CVIN|KAF4909296.1 CVIN|KAF4912746.1 CVIN|KAF4918614.1 CVIN|KAF4918749.1 CVIN|KAF4918777.1 CVIN|KAF4920917.1 CVIN|KAF4920959.1 CVIN|KAF4929589.1 CVYL|A00210 CVYL|A00211 CVYL|A00236 CVYL|A00926 CVYL|A01859 CVYL|A02488 CVYL|A02673 CVYL|A06266 CVYL|A06785 CVYL|A08411 CVYL|A08412 CVYL|A11263 FGRM|XP\_011324989.1 MORY|QBZ60133.1 MORY|QBZ60140.1 MORY|QBZ60226.1 MORY|QBZ61810.1 MORY|QBZ63683.1 MORY|QBZ65138.1 MORY|QBZ65283.1 MORY|QBZ66143.1 MORY|QBZ66300.1

>Orthogroup62: MLAR|XP\_007403518.1 MLAR|XP\_007403738.1 MLAR|XP\_007403962.1 MLAR|XP\_007404144.1 MLAR|XP\_007404154.1 MLAR|XP\_007404468.1 MLAR|XP\_007404656.1 MLAR|XP\_007404936.1 MLAR|XP\_007405613.1 MLAR|XP\_007405748.1 MLAR|XP\_007405865.1 MLAR|XP\_007406185.1 MLAR|XP\_007406476.1 MLAR|XP\_007406811.1 MLAR|XP\_007407044.1 MLAR|XP\_007408053.1 MLAR|XP\_007408077.1 MLAR|XP\_007408434.1 MLAR|XP\_007409030.1 MLAR|XP\_007409463.1 MLAR|XP\_007409869.1 MLAR|XP\_007410022.1 MLAR|XP\_007410194.1 MLAR|XP\_007410425.1 MLAR|XP\_007410472.1 MLAR|XP\_007410641.1 MLAR|XP\_007411226.1 MLAR|XP\_007411229.1 MLAR|XP\_007411535.1 MLAR|XP\_007411780.1 MLAR|XP\_007411810.1 MLAR|XP\_007412082.1 MLAR|XP\_007412121.1 MLAR|XP\_007412460.1 MLAR|XP\_007412653.1 MLAR|XP\_007413062.1 MLAR|XP\_007413694.1 MLAR|XP\_007414040.1 MLAR|XP\_007414290.1 MLAR|XP\_007414326.1 MLAR|XP\_007415266.1 MLAR|XP\_007415355.1 MLAR|XP\_007415391.1 MLAR|XP\_007415563.1 MLAR|XP\_007415891.1 MLAR|XP\_007416336.1 MLAR|XP\_007416619.1 MLAR|XP\_007416643.1 MLAR|XP\_007416746.1 MLAR|XP\_007416924.1 MLAR|XP\_007417169.1 MLAR|XP\_007417320.1 MLAR|XP\_007417640.1 MLAR|XP\_007417680.1 MLAR|XP\_007418295.1 MLAR|XP\_007418733.1 MLAR|XP\_007418743.1 MLAR|XP\_007418942.1 MLAR|XP\_007419106.1 MLAR|XP\_007419152.1 MLAR|XP\_007419319.1 MLAR|XP\_007419483.1 MLAR|XP\_007419503.1 MLAR|XP\_007419598.1

>Orthogroup63: ANID|CBF82768.1 ANID|CBF84674.1 ANID|CBF84697.1 ANID|CBF88205.1 BCIN|XP\_001555698.2 BCIN|XP\_024552402.1 BCIN|XP\_024552815.1 BGRA|VCU40508.1 CFRU|XP\_031875708.1 CFRU|XP\_031876683.1 CFRU|XP\_031876892.1 CFRU|XP\_031884609.1 CFRU|XP\_031885896.1 CFRU|XP\_031888893.1 CFRU|XP\_031891278.1 CGLO|KAF3798144.1 CGLO|KAF3799279.1 CGLO|KAF3799774.1 CGLO|KAF3799835.1 CGLO|KAF3801913.1 CGLO|KAF3811130.1 CHIG|XP\_018151621.1 CHIG|XP\_018154033.1 CHIG|XP\_018158225.1 CHIG|XP\_018159370.1 CHIG|XP\_018159427.1 CHIG|XP\_018159884.1 CHIG|XP\_018160372.1 CHIG|XP\_018161771.1 CHIG|XP\_018163105.1 CHIG|XP\_018163569.1 CVIN|KAF4898720.1 CVIN|KAF4918709.1 CVIN|KAF4918974.1 CVIN|KAF4924507.1 CVIN|KAF4924814.1 CVYL|A02351 CVYL|A04287 CVYL|A04970 CVYL|A05611 CVYL|A09679 CVYL|A10168 CVYL|A11321 FGRM|XP\_011320868.1 FGRM|XP\_011322385.1 FGRM|XP\_011322968.1 FGRM|XP\_011326936.1 MGRA|XP\_003850482.1 MGRA|XP\_003851519.1 MGRA|XP\_003851984.1 MGRA|XP\_003854601.1 MGRA|XP\_003855050.1 MLAR|XP\_007406515.1 MORY|QBZ53367.1 MORY|QBZ57801.1 MORY|QBZ59241.1 MORY|QBZ63434.1 NCRA|XP\_956068.2 NCRA|XP\_963599.1 SSCL|APA08595.1 SSCL|APA10098.1 SSCL|APA13283.1 SSCL|APA16014.1

>Orthogroup64: ANID|CBF70130.1 ANID|CBF73403.1 ANID|CBF78490.1 ANID|CBF83982.1 ANID|CBF83984.1 ANID|CBF84386.1 ANID|CBF85232.1 CFRU|XP\_031877326.1 CFRU|XP\_031877513.1 CFRU|XP\_031879146.1 CFRU|XP\_031881520.1 CFRU|XP\_031889518.1 CGLO|KAF3797530.1 CGLO|KAF3799885.1 CGLO|KAF3799897.1 CGLO|KAF3805719.1 CGLO|KAF3805911.1 CGLO|KAF3807061.1 CHIG|XP\_018151972.1 CHIG|XP\_018155055.1 CHIG|XP\_018156746.1 CHIG|XP\_018156747.1 CHIG|XP\_018159717.1 CHIG|XP\_018162011.1 CHIG|XP\_018164739.1 CHIG|XP\_018164936.1 CVIN|KAF4898935.1 CVIN|KAF4907227.1 CVIN|KAF4907240.1 CVIN|KAF4920250.1 CVIN|KAF4921646.1 CVIN|KAF4921721.1 CVIN|KAF4926638.1 CVYL|A01979 CVYL|A06355 CVYL|A09623 CVYL|A09826 CVYL|A11005 CVYL|A11008 CVYL|A13798 FGRM|XP\_011318060.1 FGRM|XP\_011320950.1 FGRM|XP\_011328654.1 MLAR|XP\_007404958.1 MLAR|XP\_007407615.1 MLAR|XP\_007410813.1 MLAR|XP\_007413322.1 MORY|QBZ53466.1 MORY|QBZ53467.1 MORY|QBZ57369.1 MORY|QBZ57670.1 MORY|QBZ63366.1 MORY|QBZ63546.1 MORY|QBZ63800.1 NCRA|XP\_958702.1 NCRA|XP\_958707.3 NCRA|XP\_961748.1 NCRA|XP\_961749.1 NCRA|XP\_963069.2 NCRA|XP\_963297.1 NCRA|XP\_963743.2 NCRA|XP\_963913.1

>Orthogroup65: ANID|CBF71329.1 ANID|CBF82101.1 ANID|CBF83180.1 ANID|CBF83840.1 BCIN|XP\_001550227.1 BCIN|XP\_001553166.1 BCIN|XP\_024552814.1 BGRA|VCU39622.1 CFRU|XP\_031877988.1 CFRU|XP\_031879142.1 CFRU|XP\_031879755.1 CFRU|XP\_031881607.1 CFRU|XP\_031883160.1 CFRU|XP\_031885382.1 CFRU|XP\_031889592.1 CFRU|XP\_031891670.1 CFRU|XP\_031893467.1 CGLO|KAF3798194.1 CGLO|KAF3799609.1 CGLO|KAF3800729.1 CGLO|KAF3805397.1 CGLO|KAF3809586.1 CGLO|KAF3810464.1 CHIG|XP\_018154473.1 CHIG|XP\_018154604.1 CHIG|XP\_018156714.1 CHIG|XP\_018156844.1 CHIG|XP\_018159154.1 CHIG|XP\_018159394.1 CHIG|XP\_018163281.1 CHIG|XP\_018164718.1 CVIN|KAF4916797.1 CVIN|KAF4917771.1 CVIN|KAF4919620.1 CVIN|KAF4924614.1 CVIN|KAF4926449.1 CVYL|A00475 CVYL|A04925 CVYL|A07600 CVYL|A11043 CVYL|A13470 CVYL|A14065 FGRM|XP\_011316546.1 FGRM|XP\_011319454.1 FGRM|XP\_011321133.1 FGRM|XP\_011325448.1 FGRM|XP\_011327760.1 MGRA|XP\_003847776.1 MGRA|XP\_003850294.1 MGRA|XP\_003852883.1 MLAR|XP\_007410240.1 MLAR|XP\_007410328.1 MORY|QBZ54872.1 MORY|QBZ57255.1 MORY|QBZ60830.1 MORY|QBZ64095.1 NCRA|XP\_955927.2 NCRA|XP\_958139.1 SSCL|APA05856.1 SSCL|APA07525.1 SSCL|APA16016.1 SSCL|APA16339.1

>Orthogroup66: ANID|CBF73646.1 ANID|CBF79014.1 ANID|CBF83114.1 ANID|CBF83706.1 ANID|CBF87084.1 BCIN|XP\_001551034.1 BCIN|XP\_001553893.2 BCIN|XP\_001559121.1 BCIN|XP\_024547202.1 BCIN|XP\_024548059.1 BCIN|XP\_024548311.1 CFRU|XP\_031882816.1 CFRU|XP\_031883583.1 CFRU|XP\_031883700.1 CFRU|XP\_031884110.1 CFRU|XP\_031886392.1 CFRU|XP\_031892931.1 CGLO|KAF3806269.1 CGLO|KAF3809442.1 CGLO|KAF3811008.1 CGLO|KAF3811913.1 CGLO|KAF3812052.1 CHIG|XP\_018152475.1 CHIG|XP\_018152718.1 CHIG|XP\_018153025.1 CHIG|XP\_018153273.1 CHIG|XP\_018155124.1 CHIG|XP\_018155150.1 CHIG|XP\_018162096.1 CHIG|XP\_018164163.1 CVIN|KAF4908452.1 CVIN|KAF4911843.1 CVIN|KAF4920413.1 CVIN|KAF4923706.1 CVIN|KAF4923964.1 CVIN|KAF4926901.1 CVYL|A06071 CVYL|A06145 CVYL|A08223 CVYL|A09779 CVYL|A11859 CVYL|A14243 FGRM|XP\_011319019.1 FGRM|XP\_011322041.1 FGRM|XP\_011322244.1 FGRM|XP\_011322465.1 FGRM|XP\_011323079.1 FGRM|XP\_011324391.1 FGRM|XP\_011325255.1 MGRA|XP\_003848877.1 MGRA|XP\_003851919.1 MGRA|XP\_003852847.1 MGRA|XP\_003855923.1 MORY|QBZ55044.1 MORY|QBZ59889.1 MORY|QBZ63455.1 NCRA|XP\_958043.1 SSCL|APA05829.1 SSCL|APA07499.1 SSCL|APA10417.1 SSCL|APA13054.1 SSCL|APA14130.1

>Orthogroup67: ANID|CBF75173.1 ANID|CBF86736.1 ANID|CBF89889.1 BCIN|XP\_001547685.1 BCIN|XP\_001551617.1 BCIN|XP\_001553752.1 BCIN|XP\_024547273.1 BCIN|XP\_024549809.1 BCIN|XP\_024549892.1 BCIN|XP\_024550971.1 BCIN|XP\_024553954.1 BGRA|VCU39990.1 CFRU|XP\_031880483.1 CFRU|XP\_031882572.1 CFRU|XP\_031887015.1 CFRU|XP\_031888359.1 CFRU|XP\_031892573.1 CGLO|KAF3803611.1 CGLO|KAF3803889.1 CGLO|KAF3809157.1 CGLO|KAF3811319.1 CGLO|KAF3811577.1 CHIG|XP\_018151048.1 CHIG|XP\_018155977.1 CHIG|XP\_018160545.1 CHIG|XP\_018160842.1 CHIG|XP\_018160843.1 CHIG|XP\_018163851.1 CVIN|KAF4914893.1 CVIN|KAF4919809.1 CVIN|KAF4920366.1 CVIN|KAF4925472.1 CVIN|KAF4927243.1 CVYL|A01343 CVYL|A03428 CVYL|A04500 CVYL|A08896 CVYL|A14545 FGRM|XP\_011323292.1 FGRM|XP\_011324743.1 FGRM|XP\_011326553.1 FGRM|XP\_011327587.1 FGRM|XP\_011327936.1 MGRA|XP\_003852187.1 MLAR|XP\_007404650.1 MLAR|XP\_007407666.1 MLAR|XP\_007409660.1 MLAR|XP\_007410275.1 MLAR|XP\_007416145.1 MLAR|XP\_007416855.1 MORY|QBZ57443.1 MORY|QBZ58043.1 MORY|QBZ60865.1 MORY|QBZ63202.1 MORY|QBZ66221.1 NCRA|XP\_961439.1 SSCL|APA05572.1 SSCL|APA06129.1 SSCL|APA13309.1 SSCL|APA14232.1 SSCL|APA14482.1 SSCL|APA15437.1

>Orthogroup68: ANID|CBF76107.1 ANID|CBF76113.1 ANID|CBF76478.1 ANID|CBF80461.1 ANID|CBF83927.1 ANID|CBF87969.1 BCIN|XP\_001558536.2 BGRA|VDB95075.1 CFRU|XP\_031876680.1 CFRU|XP\_031877046.1 CFRU|XP\_031878291.1 CFRU|XP\_031881162.1 CFRU|XP\_031887509.1 CFRU|XP\_031887510.1 CFRU|XP\_031889698.1 CFRU|XP\_031890603.1 CFRU|XP\_031890843.1 CGLO|KAF3798108.1 CGLO|KAF3801616.1 CGLO|KAF3801904.1 CGLO|KAF3802523.1 CGLO|KAF3804802.1 CGLO|KAF3805953.1 CGLO|KAF3807183.1 CGLO|KAF3811077.1 CHIG|XP\_018151378.1 CHIG|XP\_018153093.1 CHIG|XP\_018154839.1 CHIG|XP\_018158130.1 CHIG|XP\_018159433.1 CHIG|XP\_018159855.1 CHIG|XP\_018164296.1 CVIN|KAF4895030.1 CVIN|KAF4918715.1 CVIN|KAF4918998.1 CVIN|KAF4920235.1 CVIN|KAF4920236.1 CVIN|KAF4922706.1 CVIN|KAF4927988.1 CVIN|KAF4929755.1 CVYL|A02115 CVYL|A02345 CVYL|A03589 CVYL|A08251 CVYL|A09719 CVYL|A12270 CVYL|A12520 FGRM|XP\_011316969.1 FGRM|XP\_011318315.1 FGRM|XP\_011322557.1 FGRM|XP\_011327294.1 FGRM|XP\_011328203.1 MGRA|XP\_003848956.1 MGRA|XP\_003856736.1 MLAR|XP\_007411716.1 MORY|QBZ53880.1 MORY|QBZ59190.1 MORY|QBZ60019.1 MORY|QBZ66228.1 NCRA|XP\_956652.1 NCRA|XP\_960371.2 SSCL|APA14675.1

>Orthogroup69: BGRA|VDB85982.1 CFRU|XP\_031875298.1 CFRU|XP\_031876132.1 CFRU|XP\_031876737.1 CFRU|XP\_031877124.1 CFRU|XP\_031877294.1 CFRU|XP\_031877340.1 CFRU|XP\_031878686.1 CFRU|XP\_031880080.1 CFRU|XP\_031882174.1 CFRU|XP\_031882334.1 CFRU|XP\_031888596.1 CFRU|XP\_031889568.1 CFRU|XP\_031889964.1 CFRU|XP\_031891521.1 CFRU|XP\_031893502.1 CGLO|KAF3798684.1 CGLO|KAF3802011.1 CGLO|KAF3803841.1 CGLO|KAF3803983.1 CGLO|KAF3804364.1 CGLO|KAF3804371.1 CGLO|KAF3808078.1 CGLO|KAF3810291.1 CGLO|KAF3810410.1 CGLO|KAF3811800.1 CHIG|XP\_018151083.1 CHIG|XP\_018151084.1 CHIG|XP\_018151754.1 CHIG|XP\_018157380.1 CHIG|XP\_018157472.1 CHIG|XP\_018159605.1 CHIG|XP\_018159845.1 CVIN|KAF4906648.1 CVIN|KAF4906957.1 CVIN|KAF4908469.1 CVIN|KAF4918329.1 CVIN|KAF4918334.1 CVIN|KAF4918480.1 CVIN|KAF4919774.1 CVIN|KAF4920769.1 CVIN|KAF4923183.1 CVIN|KAF4924876.1 CVIN|KAF4929351.1 CVYL|A02435 CVYL|A03039 CVYL|A04051 CVYL|A08155 CVYL|A08959 CVYL|A09421 CVYL|A10257 CVYL|A11391 CVYL|A13839 FGRM|XP\_011316695.1 FGRM|XP\_011319987.1 FGRM|XP\_011321848.1 FGRM|XP\_011324258.1 FGRM|XP\_011328117.1 MORY|QBZ56364.1 MORY|QBZ62574.1 NCRA|XP\_011394336.1 NCRA|XP\_965421.2

>Orthogroup70: MLAR|XP\_007403583.1 MLAR|XP\_007403947.1 MLAR|XP\_007404474.1 MLAR|XP\_007405162.1 MLAR|XP\_007405523.1 MLAR|XP\_007405535.1 MLAR|XP\_007405875.1 MLAR|XP\_007405876.1 MLAR|XP\_007406373.1 MLAR|XP\_007406427.1 MLAR|XP\_007406757.1 MLAR|XP\_007406845.1 MLAR|XP\_007406847.1 MLAR|XP\_007407391.1 MLAR|XP\_007407392.1 MLAR|XP\_007407658.1 MLAR|XP\_007407980.1 MLAR|XP\_007408282.1 MLAR|XP\_007408283.1 MLAR|XP\_007408396.1 MLAR|XP\_007408489.1 MLAR|XP\_007408490.1 MLAR|XP\_007409575.1 MLAR|XP\_007409726.1 MLAR|XP\_007410117.1 MLAR|XP\_007410506.1 MLAR|XP\_007410515.1 MLAR|XP\_007410516.1 MLAR|XP\_007410885.1 MLAR|XP\_007412423.1 MLAR|XP\_007412860.1 MLAR|XP\_007412863.1 MLAR|XP\_007413267.1 MLAR|XP\_007413290.1 MLAR|XP\_007414033.1 MLAR|XP\_007414195.1 MLAR|XP\_007414196.1 MLAR|XP\_007414210.1 MLAR|XP\_007414429.1 MLAR|XP\_007414586.1 MLAR|XP\_007415340.1 MLAR|XP\_007415434.1 MLAR|XP\_007416030.1 MLAR|XP\_007416198.1 MLAR|XP\_007416199.1 MLAR|XP\_007416208.1 MLAR|XP\_007417284.1 MLAR|XP\_007417285.1 MLAR|XP\_007418059.1 MLAR|XP\_007418090.1 MLAR|XP\_007418102.1 MLAR|XP\_007418285.1 MLAR|XP\_007418286.1 MLAR|XP\_007418422.1 MLAR|XP\_007418682.1 MLAR|XP\_007419004.1 MLAR|XP\_007419130.1 MLAR|XP\_007419160.1 MLAR|XP\_007419525.1 MLAR|XP\_007419526.1 MLAR|XP\_007419584.1 MLAR|XP\_007419737.1

>Orthogroup71: MLAR|XP\_007404420.1 MLAR|XP\_007404696.1 MLAR|XP\_007405055.1 MLAR|XP\_007405060.1 MLAR|XP\_007405183.1 MLAR|XP\_007405334.1 MLAR|XP\_007405870.1 MLAR|XP\_007405948.1 MLAR|XP\_007406038.1 MLAR|XP\_007406050.1 MLAR|XP\_007406752.1 MLAR|XP\_007406753.1 MLAR|XP\_007407046.1 MLAR|XP\_007407744.1 MLAR|XP\_007407828.1 MLAR|XP\_007407931.1 MLAR|XP\_007407963.1 MLAR|XP\_007408373.1 MLAR|XP\_007408374.1 MLAR|XP\_007408425.1 MLAR|XP\_007408448.1 MLAR|XP\_007408450.1 MLAR|XP\_007408451.1 MLAR|XP\_007408452.1 MLAR|XP\_007409162.1 MLAR|XP\_007409437.1 MLAR|XP\_007409530.1 MLAR|XP\_007409696.1 MLAR|XP\_007409697.1 MLAR|XP\_007410023.1 MLAR|XP\_007410214.1 MLAR|XP\_007411054.1 MLAR|XP\_007411653.1 MLAR|XP\_007411932.1 MLAR|XP\_007412016.1 MLAR|XP\_007412118.1 MLAR|XP\_007412120.1 MLAR|XP\_007412431.1 MLAR|XP\_007412793.1 MLAR|XP\_007412798.1 MLAR|XP\_007412799.1 MLAR|XP\_007413147.1 MLAR|XP\_007414443.1 MLAR|XP\_007414486.1 MLAR|XP\_007414489.1 MLAR|XP\_007415610.1 MLAR|XP\_007415710.1 MLAR|XP\_007415951.1 MLAR|XP\_007416121.1 MLAR|XP\_007416473.1 MLAR|XP\_007416698.1 MLAR|XP\_007417019.1 MLAR|XP\_007417081.1 MLAR|XP\_007417144.1 MLAR|XP\_007417637.1 MLAR|XP\_007418945.1 MLAR|XP\_007419032.1 MLAR|XP\_007419033.1 MLAR|XP\_007419257.1 MLAR|XP\_007419258.1 MLAR|XP\_007419322.1 MLAR|XP\_007419414.1

>Orthogroup72: ANID|CBF74509.1 ANID|CBF75012.1 ANID|CBF78041.1 ANID|CBF80268.1 ANID|CBF83822.1 ANID|CBF83922.1 ANID|CBF84256.1 ANID|CBF85015.1 BCIN|XP\_001546066.2 BCIN|XP\_001546878.2 BCIN|XP\_001554888.1 BCIN|XP\_001555270.1 BCIN|XP\_001560291.1 BCIN|XP\_024549375.1 BCIN|XP\_024551959.1 BCIN|XP\_024552273.1 CFRU|XP\_031880028.1 CFRU|XP\_031884155.1 CFRU|XP\_031886057.1 CFRU|XP\_031889413.1 CFRU|XP\_031889504.1 CGLO|KAF3801168.1 CGLO|KAF3803107.1 CGLO|KAF3805927.1 CGLO|KAF3811845.1 CHIG|XP\_018150750.1 CHIG|XP\_018151690.1 CHIG|XP\_018156691.1 CHIG|XP\_018158927.1 CVIN|KAF4911056.1 CVIN|KAF4911057.1 CVIN|KAF4911879.1 CVIN|KAF4917919.1 CVIN|KAF4924869.1 CVYL|A09797 CVYL|A12845 CVYL|A13785 CVYL|A14171 FGRM|XP\_011319278.1 FGRM|XP\_011320744.1 FGRM|XP\_011321699.1 FGRM|XP\_011322320.1 FGRM|XP\_011327397.1 MGRA|XP\_003847424.1 MGRA|XP\_003847771.1 MGRA|XP\_003850019.1 MGRA|XP\_003851157.1 MGRA|XP\_003851224.1 MGRA|XP\_003852994.1 MGRA|XP\_003854008.1 MORY|QBZ57507.1 MORY|QBZ60644.1 MORY|QBZ60673.1 NCRA|XP\_961990.2 SSCL|APA08335.1 SSCL|APA08584.1 SSCL|APA08655.1 SSCL|APA08836.1 SSCL|APA08949.1 SSCL|APA13135.1 SSCL|APA14992.1

>Orthogroup73: ANID|CBF82898.1 ANID|CBF82901.1 ANID|CBF82995.1 ANID|CBF85398.1 ANID|CBF86068.1 BCIN|XP\_024548728.1 BCIN|XP\_024548958.1 BCIN|XP\_024550061.1 BCIN|XP\_024550870.1 BCIN|XP\_024551485.1 BCIN|XP\_024551667.1 BCIN|XP\_024552011.1 BCIN|XP\_024553003.1 BCIN|XP\_024553468.1 BGRA|VDB93363.1 CFRU|XP\_031881672.1 CFRU|XP\_031881742.1 CFRU|XP\_031885604.1 CFRU|XP\_031893196.1 CGLO|KAF3800621.1 CGLO|KAF3804021.1 CGLO|KAF3807451.1 CGLO|KAF3810047.1 CHIG|XP\_018150924.1 CHIG|XP\_018157766.1 CHIG|XP\_018159664.1 CVIN|KAF4917924.1 CVIN|KAF4918197.1 CVIN|KAF4918507.1 CVIN|KAF4925178.1 CVYL|A02643 CVYL|A08783 CVYL|A10960 CVYL|A13096 FGRM|XP\_011315718.1 FGRM|XP\_011317666.1 FGRM|XP\_011317854.1 FGRM|XP\_011318185.1 FGRM|XP\_011320437.1 FGRM|XP\_011320587.1 FGRM|XP\_011320713.1 FGRM|XP\_011322225.1 FGRM|XP\_011323345.1 FGRM|XP\_011325922.1 FGRM|XP\_011327461.1 MGRA|XP\_003848061.1 MGRA|XP\_003849284.1 MGRA|XP\_003851422.1 MGRA|XP\_003852938.1 MGRA|XP\_003853141.1 MGRA|XP\_003853198.1 MGRA|XP\_003855010.1 MGRA|XP\_003856544.1 SSCL|APA06522.1 SSCL|APA09500.1 SSCL|APA10394.1 SSCL|APA11795.1 SSCL|APA12771.1 SSCL|APA13820.1 SSCL|APA14452.1 SSCL|APA14805.1

>Orthogroup74: BGRA|VCU38969.1 BGRA|VCU38970.1 BGRA|VCU38971.1 BGRA|VCU38995.1 BGRA|VCU38997.1 BGRA|VCU39004.1 BGRA|VCU39005.1 BGRA|VCU39180.1 BGRA|VCU39191.1 BGRA|VCU39192.1 BGRA|VCU39193.1 BGRA|VCU39195.1 BGRA|VCU39196.1 BGRA|VCU39197.1 BGRA|VCU39198.1 BGRA|VCU39200.1 BGRA|VCU39213.1 BGRA|VDB85698.1 BGRA|VDB85782.1 BGRA|VDB85783.1 BGRA|VDB85845.1 BGRA|VDB85847.1 BGRA|VDB88389.1 BGRA|VDB88395.1 BGRA|VDB88680.1 BGRA|VDB89056.1 BGRA|VDB89106.1 BGRA|VDB90488.1 BGRA|VDB90490.1 BGRA|VDB91285.1 BGRA|VDB91395.1 BGRA|VDB94460.1 BGRA|VDB96284.1 BGRA|VDB96414.1 BGRA|VDB96429.1 BGRA|VDB96430.1 BGRA|VDB96434.1 BGRA|VDB96435.1 BGRA|VDB96436.1 BGRA|VDB96437.1 BGRA|VDB96438.1 BGRA|VDB96439.1 BGRA|VDB96440.1 BGRA|VDB96442.1 BGRA|VDB96443.1 BGRA|VDB96445.1 BGRA|VDB96446.1 BGRA|VDB96447.1 BGRA|VDB96448.1 BGRA|VDB96451.1 BGRA|VDB96453.1 BGRA|VDB96454.1 BGRA|VDB96455.1 BGRA|VDB96456.1 BGRA|VDB96457.1 BGRA|VDB96459.1 BGRA|VDB96461.1 BGRA|VDB96462.1 BGRA|VDB96463.1 BGRA|VDB96464.1 BGRA|VDB96465.1

>Orthogroup75: MLAR|XP\_007403762.1 MLAR|XP\_007403804.1 MLAR|XP\_007403853.1 MLAR|XP\_007404013.1 MLAR|XP\_007404159.1 MLAR|XP\_007405193.1 MLAR|XP\_007405348.1 MLAR|XP\_007405507.1 MLAR|XP\_007405739.1 MLAR|XP\_007405879.1 MLAR|XP\_007407281.1 MLAR|XP\_007407557.1 MLAR|XP\_007407598.1 MLAR|XP\_007408443.1 MLAR|XP\_007408711.1 MLAR|XP\_007408876.1 MLAR|XP\_007409187.1 MLAR|XP\_007409445.1 MLAR|XP\_007409885.1 MLAR|XP\_007410002.1 MLAR|XP\_007410690.1 MLAR|XP\_007411899.1 MLAR|XP\_007412080.1 MLAR|XP\_007412168.1 MLAR|XP\_007413383.1 MLAR|XP\_007413798.1 MLAR|XP\_007413977.1 MLAR|XP\_007414119.1 MLAR|XP\_007414211.1 MLAR|XP\_007415192.1 MLAR|XP\_007415661.1 MLAR|XP\_007415720.1 MLAR|XP\_007415721.1 MLAR|XP\_007416425.1 MLAR|XP\_007416437.1 MLAR|XP\_007416621.1 MLAR|XP\_007416649.1 MLAR|XP\_007417086.1 MLAR|XP\_007417197.1 MLAR|XP\_007417299.1 MLAR|XP\_007417301.1 MLAR|XP\_007417373.1 MLAR|XP\_007417934.1 MLAR|XP\_007418095.1 MLAR|XP\_007418110.1 MLAR|XP\_007418204.1 MLAR|XP\_007418329.1 MLAR|XP\_007418440.1 MLAR|XP\_007418476.1 MLAR|XP\_007418559.1 MLAR|XP\_007418579.1 MLAR|XP\_007418767.1 MLAR|XP\_007418892.1 MLAR|XP\_007418982.1 MLAR|XP\_007419208.1 MLAR|XP\_007419433.1 MLAR|XP\_007419481.1 MLAR|XP\_007419588.1 MLAR|XP\_007419602.1 MLAR|XP\_007419654.1 MLAR|XP\_007419828.1

>Orthogroup76: ANID|CBF69434.1 ANID|CBF73532.1 ANID|CBF80180.1 ANID|CBF80452.1 ANID|CBF87135.1 BCIN|XP\_001556989.1 BCIN|XP\_001558557.1 CFRU|XP\_031877328.1 CFRU|XP\_031881619.1 CFRU|XP\_031881654.1 CFRU|XP\_031881896.1 CFRU|XP\_031886319.1 CFRU|XP\_031888642.1 CFRU|XP\_031888902.1 CFRU|XP\_031890748.1 CGLO|KAF3797833.1 CGLO|KAF3799181.1 CGLO|KAF3799241.1 CGLO|KAF3799896.1 CGLO|KAF3805358.1 CGLO|KAF3806286.1 CGLO|KAF3811731.1 CHIG|XP\_018151057.1 CHIG|XP\_018151796.1 CHIG|XP\_018153335.1 CHIG|XP\_018156808.1 CHIG|XP\_018157671.1 CHIG|XP\_018158114.1 CHIG|XP\_018159789.1 CHIG|XP\_018161828.1 CVIN|KAF4906633.1 CVIN|KAF4908834.1 CVIN|KAF4914902.1 CVIN|KAF4921722.1 CVIN|KAF4922998.1 CVIN|KAF4923926.1 CVYL|A09624 CVYL|A10077 CVYL|A10134 CVYL|A10922 CVYL|A11879 CVYL|A12747 CVYL|A13009 FGRM|XP\_011318250.1 FGRM|XP\_011322283.1 MGRA|XP\_003851067.1 MGRA|XP\_003857066.1 MLAR|XP\_007406338.1 MLAR|XP\_007410400.1 MLAR|XP\_007410420.1 MLAR|XP\_007413777.1 MLAR|XP\_007417085.1 MORY|QBZ53678.1 MORY|QBZ54113.1 MORY|QBZ58130.1 MORY|QBZ58153.1 MORY|QBZ59343.1 MORY|QBZ59914.1 NCRA|XP\_011394793.1 SSCL|APA10583.1

>Orthogroup77: ANID|CBF71491.1 ANID|CBF82958.1 ANID|CBF86026.1 BCIN|XP\_001548818.1 BCIN|XP\_024547074.1 BCIN|XP\_024548115.1 BCIN|XP\_024548131.1 CFRU|XP\_031875651.1 CFRU|XP\_031875863.1 CFRU|XP\_031876192.1 CFRU|XP\_031878639.1 CFRU|XP\_031878989.1 CFRU|XP\_031878991.1 CFRU|XP\_031883722.1 CFRU|XP\_031884351.1 CFRU|XP\_031887224.1 CFRU|XP\_031888920.1 CFRU|XP\_031893213.1 CGLO|KAF3799944.1 CGLO|KAF3802625.1 CGLO|KAF3804294.1 CGLO|KAF3807865.1 CHIG|XP\_018150662.1 CHIG|XP\_018150701.1 CHIG|XP\_018158395.1 CVIN|KAF4903087.1 CVIN|KAF4905507.1 CVIN|KAF4917479.1 CVYL|A00747 CVYL|A01921 CVYL|A02266 CVYL|A03817 CVYL|A14189 FGRM|XP\_011315826.1 FGRM|XP\_011317908.1 FGRM|XP\_011318495.1 FGRM|XP\_011319604.1 FGRM|XP\_011319621.1 FGRM|XP\_011320669.1 FGRM|XP\_011323324.1 FGRM|XP\_011325292.1 MORY|QBZ63952.1 MORY|QBZ66320.1 SSCL|APA07343.1 SSCL|APA08683.1 SSCL|APA10359.1 SSCL|APA10375.1 SSCL|APA11275.1 SSCL|APA11428.1 SSCL|APA11429.1 SSCL|APA11430.1 SSCL|APA11507.1 SSCL|APA11939.1 SSCL|APA11969.1 SSCL|APA13409.1 SSCL|APA13412.1 SSCL|APA14649.1 SSCL|APA15267.1 SSCL|APA15333.1 SSCL|APA16011.1

>Orthogroup78: ANID|CBF75874.1 ANID|CBF86071.1 BCIN|XP\_024549325.1 BCIN|XP\_024549432.1 BCIN|XP\_024549940.1 BCIN|XP\_024553962.1 BGRA|VDB96332.1 CFRU|XP\_031878881.1 CFRU|XP\_031879496.1 CFRU|XP\_031887261.1 CFRU|XP\_031890555.1 CFRU|XP\_031891744.1 CFRU|XP\_031892263.1 CGLO|KAF3798133.1 CGLO|KAF3800165.1 CGLO|KAF3801260.1 CGLO|KAF3802628.1 CGLO|KAF3809271.1 CHIG|XP\_018154736.1 CHIG|XP\_018156107.1 CHIG|XP\_018158638.1 CHIG|XP\_018160907.1 CHIG|XP\_018161296.1 CHIG|XP\_018165103.1 CVIN|KAF4913910.1 CVIN|KAF4921066.1 CVIN|KAF4921634.1 CVIN|KAF4921927.1 CVIN|KAF4925797.1 CVIN|KAF4925980.1 CVYL|A01464 CVYL|A01923 CVYL|A06862 CVYL|A07829 CVYL|A13581 CVYL|A13973 FGRM|XP\_011316352.1 FGRM|XP\_011317741.1 FGRM|XP\_011318838.1 FGRM|XP\_011323401.1 FGRM|XP\_011324379.1 MGRA|XP\_003848640.1 MGRA|XP\_003849143.1 MGRA|XP\_003850613.1 MGRA|XP\_003853697.1 MLAR|XP\_007410920.1 MLAR|XP\_007413219.1 MLAR|XP\_007415099.1 MLAR|XP\_007415222.1 MORY|QBZ56083.1 MORY|QBZ58187.1 MORY|QBZ63017.1 NCRA|XP\_958975.2 NCRA|XP\_960096.2 NCRA|XP\_961671.1 NCRA|XP\_964183.3 SSCL|APA05278.1 SSCL|APA09239.1 SSCL|APA15427.1 SSCL|APA15806.1

>Orthogroup79: ANID|CBF76494.1 ANID|CBF82056.1 ANID|CBF84243.1 ANID|CBF84276.1 ANID|CBF87299.1 BCIN|XP\_001548739.1 BCIN|XP\_001553435.2 BCIN|XP\_001560679.1 BCIN|XP\_024553120.1 CFRU|XP\_031875691.1 CFRU|XP\_031876573.1 CFRU|XP\_031877727.1 CFRU|XP\_031885160.1 CFRU|XP\_031892248.1 CFRU|XP\_031892268.1 CFRU|XP\_031892336.1 CFRU|XP\_031892883.1 CGLO|KAF3797150.1 CGLO|KAF3797317.1 CGLO|KAF3798116.1 CGLO|KAF3800892.1 CGLO|KAF3801257.1 CGLO|KAF3801371.1 CGLO|KAF3807676.1 CHIG|XP\_018150791.1 CHIG|XP\_018153307.1 CHIG|XP\_018157094.1 CHIG|XP\_018157191.1 CHIG|XP\_018162897.1 CHIG|XP\_018164861.1 CVIN|KAF4911870.1 CVIN|KAF4917655.1 CVIN|KAF4921923.1 CVIN|KAF4927823.1 CVIN|KAF4927995.1 CVYL|A06853 CVYL|A07710 CVYL|A07833 CVYL|A08243 CVYL|A10378 CVYL|A11132 FGRM|XP\_011317995.1 FGRM|XP\_011320180.1 FGRM|XP\_011322739.1 FGRM|XP\_011323191.1 FGRM|XP\_011323796.1 FGRM|XP\_011325456.1 FGRM|XP\_011326284.1 MGRA|XP\_003851997.1 MGRA|XP\_003852467.1 MGRA|XP\_003852918.1 MGRA|XP\_003853049.1 MGRA|XP\_003855183.1 MGRA|XP\_003857060.1 MORY|QBZ61459.1 NCRA|XP\_956057.1 NCRA|XP\_960842.1 SSCL|APA10838.1 SSCL|APA10908.1 SSCL|APA16347.1

>Orthogroup80: MLAR|XP\_007403673.1 MLAR|XP\_007403758.1 MLAR|XP\_007403795.1 MLAR|XP\_007403979.1 MLAR|XP\_007403995.1 MLAR|XP\_007404082.1 MLAR|XP\_007404230.1 MLAR|XP\_007404388.1 MLAR|XP\_007404406.1 MLAR|XP\_007404407.1 MLAR|XP\_007404408.1 MLAR|XP\_007404409.1 MLAR|XP\_007404526.1 MLAR|XP\_007404603.1 MLAR|XP\_007405135.1 MLAR|XP\_007405265.1 MLAR|XP\_007405266.1 MLAR|XP\_007405608.1 MLAR|XP\_007405609.1 MLAR|XP\_007405622.1 MLAR|XP\_007405927.1 MLAR|XP\_007406364.1 MLAR|XP\_007406370.1 MLAR|XP\_007407214.1 MLAR|XP\_007408290.1 MLAR|XP\_007408684.1 MLAR|XP\_007408759.1 MLAR|XP\_007408772.1 MLAR|XP\_007408800.1 MLAR|XP\_007409042.1 MLAR|XP\_007409219.1 MLAR|XP\_007409817.1 MLAR|XP\_007410017.1 MLAR|XP\_007410018.1 MLAR|XP\_007410019.1 MLAR|XP\_007410438.1 MLAR|XP\_007410477.1 MLAR|XP\_007410520.1 MLAR|XP\_007410675.1 MLAR|XP\_007411304.1 MLAR|XP\_007411336.1 MLAR|XP\_007411636.1 MLAR|XP\_007411957.1 MLAR|XP\_007412820.1 MLAR|XP\_007413828.1 MLAR|XP\_007414697.1 MLAR|XP\_007415030.1 MLAR|XP\_007415147.1 MLAR|XP\_007415758.1 MLAR|XP\_007415782.1 MLAR|XP\_007417473.1 MLAR|XP\_007417852.1 MLAR|XP\_007417853.1 MLAR|XP\_007417888.1 MLAR|XP\_007418075.1 MLAR|XP\_007418087.1 MLAR|XP\_007419082.1 MLAR|XP\_007419085.1 MLAR|XP\_007419086.1 MLAR|XP\_007419087.1

>Orthogroup81: BGRA|VCU39097.1 BGRA|VCU39098.1 BGRA|VCU39100.1 BGRA|VCU39113.1 BGRA|VCU39114.1 BGRA|VCU39116.1 BGRA|VCU39117.1 BGRA|VCU39118.1 BGRA|VCU39128.1 BGRA|VCU39129.1 BGRA|VCU39136.1 BGRA|VCU39138.1 BGRA|VCU39139.1 BGRA|VCU39140.1 BGRA|VCU39141.1 BGRA|VCU39142.1 BGRA|VCU39143.1 BGRA|VCU39144.1 BGRA|VCU39145.1 BGRA|VCU39150.1 BGRA|VCU39608.1 BGRA|VCU39609.1 BGRA|VCU40431.1 BGRA|VCU41191.1 BGRA|VCU41194.1 BGRA|VCU41195.1 BGRA|VCU41196.1 BGRA|VCU41198.1 BGRA|VCU41199.1 BGRA|VCU41200.1 BGRA|VCU41201.1 BGRA|VCU41207.1 BGRA|VCU41209.1 BGRA|VCU41210.1 BGRA|VCU41213.1 BGRA|VCU41221.1 BGRA|VCU41367.1 BGRA|VCU41368.1 BGRA|VCU41389.1 BGRA|VCU41390.1 BGRA|VCU41396.1 BGRA|VDB83954.1 BGRA|VDB84162.1 BGRA|VDB85708.1 BGRA|VDB85730.1 BGRA|VDB85746.1 BGRA|VDB85787.1 BGRA|VDB85788.1 BGRA|VDB85790.1 BGRA|VDB85791.1 BGRA|VDB85807.1 BGRA|VDB85808.1 BGRA|VDB85813.1 BGRA|VDB85815.1 BGRA|VDB86010.1 BGRA|VDB86011.1 BGRA|VDB87910.1 BGRA|VDB87912.1 BGRA|VDB96381.1

>Orthogroup82: MLAR|XP\_007404545.1 MLAR|XP\_007404834.1 MLAR|XP\_007405139.1 MLAR|XP\_007405245.1 MLAR|XP\_007405719.1 MLAR|XP\_007405850.1 MLAR|XP\_007406225.1 MLAR|XP\_007406961.1 MLAR|XP\_007407205.1 MLAR|XP\_007407613.1 MLAR|XP\_007408037.1 MLAR|XP\_007408204.1 MLAR|XP\_007408424.1 MLAR|XP\_007408849.1 MLAR|XP\_007408927.1 MLAR|XP\_007409827.1 MLAR|XP\_007409954.1 MLAR|XP\_007410317.1 MLAR|XP\_007410508.1 MLAR|XP\_007410638.1 MLAR|XP\_007410761.1 MLAR|XP\_007411320.1 MLAR|XP\_007411321.1 MLAR|XP\_007412353.1 MLAR|XP\_007412916.1 MLAR|XP\_007413269.1 MLAR|XP\_007413479.1 MLAR|XP\_007413496.1 MLAR|XP\_007413544.1 MLAR|XP\_007413718.1 MLAR|XP\_007413865.1 MLAR|XP\_007413930.1 MLAR|XP\_007414039.1 MLAR|XP\_007414614.1 MLAR|XP\_007414615.1 MLAR|XP\_007414752.1 MLAR|XP\_007414810.1 MLAR|XP\_007414948.1 MLAR|XP\_007415102.1 MLAR|XP\_007415332.1 MLAR|XP\_007416301.1 MLAR|XP\_007416337.1 MLAR|XP\_007416465.1 MLAR|XP\_007416730.1 MLAR|XP\_007416810.1 MLAR|XP\_007417106.1 MLAR|XP\_007417295.1 MLAR|XP\_007417398.1 MLAR|XP\_007417717.1 MLAR|XP\_007417786.1 MLAR|XP\_007418228.1 MLAR|XP\_007418791.1 MLAR|XP\_007419122.1 MLAR|XP\_007419132.1 MLAR|XP\_007419184.1 MLAR|XP\_007419304.1 MLAR|XP\_007419369.1 MLAR|XP\_007419638.1

>Orthogroup83: BCIN|XP\_001552814.1 BCIN|XP\_001555115.1 BCIN|XP\_001555963.1 BCIN|XP\_001556379.1 BCIN|XP\_001556804.1 BCIN|XP\_024547424.1 CFRU|XP\_031875685.1 CFRU|XP\_031877361.1 CFRU|XP\_031877364.1 CFRU|XP\_031878178.1 CFRU|XP\_031879509.1 CFRU|XP\_031880996.1 CFRU|XP\_031884092.1 CFRU|XP\_031891876.1 CFRU|XP\_031892080.1 CGLO|KAF3799916.1 CGLO|KAF3799920.1 CGLO|KAF3799965.1 CGLO|KAF3801303.1 CGLO|KAF3801403.1 CGLO|KAF3802389.1 CGLO|KAF3802567.1 CGLO|KAF3807824.1 CGLO|KAF3808480.1 CHIG|XP\_018152522.1 CHIG|XP\_018154687.1 CHIG|XP\_018157643.1 CHIG|XP\_018159060.1 CHIG|XP\_018159088.1 CHIG|XP\_018159646.1 CHIG|XP\_018161400.1 CHIG|XP\_018161981.1 CVIN|KAF4903972.1 CVIN|KAF4906958.1 CVIN|KAF4917606.1 CVIN|KAF4917729.1 CVIN|KAF4919357.1 CVIN|KAF4919359.1 CVIN|KAF4921502.1 CVIN|KAF4921601.1 CVIN|KAF4922179.1 CVIN|KAF4922359.1 CVIN|KAF4926887.1 CVYL|A01856 CVYL|A07679 CVYL|A07783 CVYL|A09603 CVYL|A09606 CVYL|A10181 CVYL|A11659 CVYL|A13532 FGRM|XP\_011321867.1 FGRM|XP\_011322553.1 MGRA|XP\_003856047.1 MORY|QBZ54341.1 MORY|QBZ62895.1 SSCL|APA08968.1

>Orthogroup84: MLAR|XP\_007403811.1 MLAR|XP\_007404641.1 MLAR|XP\_007405080.1 MLAR|XP\_007405207.1 MLAR|XP\_007405354.1 MLAR|XP\_007405554.1 MLAR|XP\_007405556.1 MLAR|XP\_007405566.1 MLAR|XP\_007405790.1 MLAR|XP\_007406198.1 MLAR|XP\_007407110.1 MLAR|XP\_007407185.1 MLAR|XP\_007407404.1 MLAR|XP\_007407583.1 MLAR|XP\_007407619.1 MLAR|XP\_007407687.1 MLAR|XP\_007408166.1 MLAR|XP\_007408318.1 MLAR|XP\_007408721.1 MLAR|XP\_007408966.1 MLAR|XP\_007409356.1 MLAR|XP\_007409375.1 MLAR|XP\_007409453.1 MLAR|XP\_007409741.1 MLAR|XP\_007410290.1 MLAR|XP\_007410454.1 MLAR|XP\_007410911.1 MLAR|XP\_007410914.1 MLAR|XP\_007411193.1 MLAR|XP\_007411356.1 MLAR|XP\_007411834.1 MLAR|XP\_007411835.1 MLAR|XP\_007411891.1 MLAR|XP\_007411941.1 MLAR|XP\_007413597.1 MLAR|XP\_007413803.1 MLAR|XP\_007413859.1 MLAR|XP\_007414267.1 MLAR|XP\_007414570.1 MLAR|XP\_007414621.1 MLAR|XP\_007415506.1 MLAR|XP\_007415754.1 MLAR|XP\_007415864.1 MLAR|XP\_007416083.1 MLAR|XP\_007416771.1 MLAR|XP\_007416988.1 MLAR|XP\_007417011.1 MLAR|XP\_007417013.1 MLAR|XP\_007417163.1 MLAR|XP\_007417218.1 MLAR|XP\_007417251.1 MLAR|XP\_007417305.1 MLAR|XP\_007417416.1 MLAR|XP\_007417577.1 MLAR|XP\_007419126.1 MLAR|XP\_007419533.1 MLAR|XP\_007419646.1

>Orthogroup85: BCIN|XP\_024546082.1 CFRU|XP\_031875939.1 CFRU|XP\_031879331.1 CFRU|XP\_031881868.1 CFRU|XP\_031881869.1 CFRU|XP\_031881871.1 CFRU|XP\_031881874.1 CFRU|XP\_031881875.1 CFRU|XP\_031884005.1 CFRU|XP\_031884045.1 CFRU|XP\_031884046.1 CFRU|XP\_031884050.1 CFRU|XP\_031884768.1 CFRU|XP\_031889123.1 CGLO|KAF3803110.1 CGLO|KAF3804981.1 CGLO|KAF3804983.1 CGLO|KAF3805708.1 CGLO|KAF3808654.1 CGLO|KAF3810011.1 CGLO|KAF3812109.1 CHIG|XP\_018155604.1 CHIG|XP\_018157683.1 CHIG|XP\_018157684.1 CHIG|XP\_018163534.1 CHIG|XP\_018163616.1 CVIN|KAF4907631.1 CVIN|KAF4913001.1 CVIN|KAF4913002.1 CVIN|KAF4913015.1 CVIN|KAF4913016.1 CVIN|KAF4918115.1 CVIN|KAF4927102.1 CVIN|KAF4927103.1 CVIN|KAF4927105.1 CVIN|KAF4927106.1 CVIN|KAF4927107.1 CVIN|KAF4929558.1 CVYL|A00287 CVYL|A02610 CVYL|A02611 CVYL|A06567 CVYL|A06568 CVYL|A06569 CVYL|A06572 CVYL|A09802 CVYL|A11866 FGRM|XP\_011316914.1 MGRA|XP\_003854774.1 MGRA|XP\_003854775.1 MORY|QBZ56863.1 MORY|QBZ60683.1 MORY|QBZ61131.1 NCRA|XP\_011394344.1 NCRA|XP\_957513.2 NCRA|XP\_957514.2

>Orthogroup86: MLAR|XP\_007403860.1 MLAR|XP\_007404575.1 MLAR|XP\_007404811.1 MLAR|XP\_007405483.1 MLAR|XP\_007405636.1 MLAR|XP\_007406425.1 MLAR|XP\_007407285.1 MLAR|XP\_007407359.1 MLAR|XP\_007407410.1 MLAR|XP\_007407712.1 MLAR|XP\_007407952.1 MLAR|XP\_007408089.1 MLAR|XP\_007408353.1 MLAR|XP\_007409168.1 MLAR|XP\_007409189.1 MLAR|XP\_007409190.1 MLAR|XP\_007409319.1 MLAR|XP\_007410646.1 MLAR|XP\_007411176.1 MLAR|XP\_007411178.1 MLAR|XP\_007411792.1 MLAR|XP\_007412425.1 MLAR|XP\_007412450.1 MLAR|XP\_007412707.1 MLAR|XP\_007412801.1 MLAR|XP\_007412972.1 MLAR|XP\_007413678.1 MLAR|XP\_007414148.1 MLAR|XP\_007414173.1 MLAR|XP\_007414314.1 MLAR|XP\_007414701.1 MLAR|XP\_007415095.1 MLAR|XP\_007415414.1 MLAR|XP\_007415950.1 MLAR|XP\_007416054.1 MLAR|XP\_007416066.1 MLAR|XP\_007416071.1 MLAR|XP\_007416319.1 MLAR|XP\_007416703.1 MLAR|XP\_007417176.1 MLAR|XP\_007417361.1 MLAR|XP\_007417391.1 MLAR|XP\_007417771.1 MLAR|XP\_007417936.1 MLAR|XP\_007417947.1 MLAR|XP\_007418470.1 MLAR|XP\_007418535.1 MLAR|XP\_007418738.1 MLAR|XP\_007418838.1 MLAR|XP\_007419037.1 MLAR|XP\_007419091.1 MLAR|XP\_007419313.1 MLAR|XP\_007419392.1 MLAR|XP\_007419449.1 MLAR|XP\_007419464.1 MLAR|XP\_007419509.1

>Orthogroup87: ANID|CBF73518.1 ANID|CBF80789.1 ANID|CBF86428.1 ANID|CBF86988.1 BCIN|XP\_001546186.1 BCIN|XP\_001553433.1 BCIN|XP\_024548025.1 BGRA|VDB86400.1 CFRU|XP\_031878821.1 CFRU|XP\_031878837.1 CFRU|XP\_031883315.1 CFRU|XP\_031884599.1 CFRU|XP\_031886119.1 CFRU|XP\_031886144.1 CFRU|XP\_031886338.1 CFRU|XP\_031887917.1 CFRU|XP\_031892133.1 CFRU|XP\_031892383.1 CGLO|KAF3797492.1 CGLO|KAF3799044.1 CGLO|KAF3801766.1 CGLO|KAF3809139.1 CGLO|KAF3811980.1 CHIG|XP\_018153850.1 CHIG|XP\_018155956.1 CHIG|XP\_018158210.1 CHIG|XP\_018159262.1 CVIN|KAF4918280.1 CVIN|KAF4921628.1 CVIN|KAF4921656.1 CVIN|KAF4922107.1 CVIN|KAF4922928.1 CVIN|KAF4923249.1 CVIN|KAF4930329.1 CVYL|A01323 CVYL|A01940 CVYL|A01942 CVYL|A05528 CVYL|A11486 CVYL|A11999 CVYL|A12941 FGRM|XP\_011319177.1 FGRM|XP\_011328641.1 MGRA|XP\_003847668.1 MGRA|XP\_003853120.1 MGRA|XP\_003854094.1 MGRA|XP\_003855445.1 MORY|QBZ61653.1 MORY|QBZ62882.1 MORY|QBZ62912.1 MORY|QBZ64239.1 NCRA|XP\_011394946.1 NCRA|XP\_959184.1 SSCL|APA10910.1 SSCL|APA11935.1

>Orthogroup88: ANID|CBF78900.1 ANID|CBF79711.1 BCIN|XP\_001547017.1 BCIN|XP\_024547951.1 BCIN|XP\_024550347.1 BCIN|XP\_024552095.1 BCIN|XP\_024552422.1 BGRA|VDB85743.1 CFRU|XP\_031883639.1 CFRU|XP\_031883667.1 CFRU|XP\_031883701.1 CFRU|XP\_031884324.1 CFRU|XP\_031884608.1 CFRU|XP\_031886659.1 CFRU|XP\_031891308.1 CGLO|KAF3796958.1 CGLO|KAF3797385.1 CGLO|KAF3800000.1 CGLO|KAF3800197.1 CGLO|KAF3800201.1 CGLO|KAF3800237.1 CGLO|KAF3801196.1 CHIG|XP\_018153049.1 CHIG|XP\_018155054.1 CHIG|XP\_018155108.1 CHIG|XP\_018155119.1 CHIG|XP\_018157126.1 CHIG|XP\_018158039.1 CHIG|XP\_018162502.1 CVIN|KAF4903968.1 CVIN|KAF4920430.1 CVIN|KAF4920435.1 CVIN|KAF4921776.1 CVIN|KAF4926919.1 CVIN|KAF4929387.1 CVIN|KAF4932099.1 CVYL|A05823 CVYL|A06086 CVYL|A06090 CVYL|A07138 CVYL|A10216 CVYL|A10299 CVYL|A12411 FGRM|XP\_011320072.1 FGRM|XP\_011326958.1 MGRA|XP\_003848345.1 MLAR|XP\_007407816.1 MORY|QBZ55682.1 MORY|QBZ59317.1 NCRA|XP\_001728488.2 NCRA|XP\_964577.1 SSCL|APA05651.1 SSCL|APA08401.1 SSCL|APA11028.1 SSCL|APA12885.1

>Orthogroup89: ANID|CBF71803.1 ANID|CBF75103.1 ANID|CBF83495.1 ANID|CBF88498.1 BCIN|XP\_001558268.1 BCIN|XP\_001561324.1 BCIN|XP\_024549890.1 BGRA|VDB86125.1 BGRA|VDB90905.1 BGRA|VDB95028.1 CFRU|XP\_031881604.1 CFRU|XP\_031884943.1 CFRU|XP\_031888387.1 CFRU|XP\_031891040.1 CFRU|XP\_031891782.1 CGLO|KAF3801027.1 CGLO|KAF3801393.1 CGLO|KAF3803632.1 CGLO|KAF3805390.1 CHIG|XP\_018151391.1 CHIG|XP\_018153321.1 CHIG|XP\_018156720.1 CHIG|XP\_018163827.1 CHIG|XP\_018164777.1 CVIN|KAF4907814.1 CVIN|KAF4908679.1 CVIN|KAF4913939.1 CVIN|KAF4917768.1 CVIN|KAF4922697.1 CVYL|A00356 CVYL|A07691 CVYL|A11036 CVYL|A12510 CVYL|A14567 FGRM|XP\_011315786.1 FGRM|XP\_011322771.1 FGRM|XP\_011324344.1 FGRM|XP\_011326531.1 FGRM|XP\_011328475.1 MGRA|XP\_003848500.1 MGRA|XP\_003851836.1 MGRA|XP\_003856324.1 MLAR|XP\_007409625.1 MORY|QBZ54687.1 MORY|QBZ62692.1 MORY|QBZ64343.1 MORY|QBZ66202.1 NCRA|XP\_958032.1 NCRA|XP\_958627.1 NCRA|XP\_960762.1 NCRA|XP\_965203.1 SSCL|APA05567.1 SSCL|APA06865.1 SSCL|APA13667.1

>Orthogroup90: ANID|CBF85532.1 BCIN|XP\_001548454.2 BCIN|XP\_001560611.1 BCIN|XP\_024549496.1 BCIN|XP\_024551042.1 CFRU|XP\_031876384.1 CFRU|XP\_031877508.1 CFRU|XP\_031882594.1 CFRU|XP\_031882806.1 CFRU|XP\_031885770.1 CFRU|XP\_031889679.1 CFRU|XP\_031891861.1 CGLO|KAF3798415.1 CGLO|KAF3806638.1 CGLO|KAF3809810.1 CGLO|KAF3810061.1 CGLO|KAF3810614.1 CHIG|XP\_018151078.1 CHIG|XP\_018158955.1 CHIG|XP\_018160105.1 CHIG|XP\_018164946.1 CVIN|KAF4908270.1 CVIN|KAF4912754.1 CVIN|KAF4918919.1 CVIN|KAF4919322.1 CVIN|KAF4920024.1 CVIN|KAF4925454.1 CVYL|A02658 CVYL|A03006 CVYL|A06729 CVYL|A08943 CVYL|A11220 CVYL|A12351 CVYL|A13696 FGRM|XP\_011318013.1 FGRM|XP\_011322847.1 MGRA|XP\_003847726.1 MGRA|XP\_003850170.1 MGRA|XP\_003852884.1 MGRA|XP\_003856522.1 MLAR|XP\_007407802.1 MLAR|XP\_007407805.1 MLAR|XP\_007411200.1 MLAR|XP\_007414824.1 MLAR|XP\_007414825.1 MORY|QBZ53593.1 MORY|QBZ54876.1 MORY|QBZ60634.1 MORY|QBZ64001.1 MORY|QBZ64137.1 MORY|QBZ64991.1 MORY|QBZ65072.1 MORY|QBZ66573.1 NCRA|XP\_958973.1

>Orthogroup91: ANID|CBF73457.1 ANID|CBF76583.1 ANID|CBF81882.1 BCIN|XP\_024549556.1 BCIN|XP\_024550614.1 BGRA|VCU40204.1 BGRA|VDB88025.1 CFRU|XP\_031875320.1 CFRU|XP\_031875645.1 CFRU|XP\_031875725.1 CFRU|XP\_031876990.1 CFRU|XP\_031877000.1 CFRU|XP\_031877307.1 CFRU|XP\_031881858.1 CFRU|XP\_031882715.1 CFRU|XP\_031883520.1 CGLO|KAF3799872.1 CGLO|KAF3803399.1 CGLO|KAF3809993.1 CGLO|KAF3810842.1 CHIG|XP\_018150623.1 CHIG|XP\_018153821.1 CHIG|XP\_018154978.1 CHIG|XP\_018157736.1 CHIG|XP\_018163933.1 CVIN|KAF4905025.1 CVIN|KAF4911112.1 CVIN|KAF4918411.1 CVIN|KAF4921725.1 CVYL|A02298 CVYL|A02593 CVYL|A09646 CVYL|A14329 FGRM|XP\_011316878.1 FGRM|XP\_011316879.1 FGRM|XP\_011322114.1 FGRM|XP\_011325436.1 FGRM|XP\_011325681.1 MGRA|XP\_003848284.1 MGRA|XP\_003848353.1 MGRA|XP\_003850551.1 MGRA|XP\_003851941.1 MLAR|XP\_007404738.1 MORY|QBZ55077.1 MORY|QBZ56002.1 MORY|QBZ59972.1 MORY|QBZ63297.1 MORY|QBZ66748.1 NCRA|XP\_955945.2 NCRA|XP\_957924.2 NCRA|XP\_965309.3 SSCL|APA11431.1 SSCL|APA13916.1

>Orthogroup92: ANID|CBF74829.1 ANID|CBF78470.1 ANID|CBF78847.1 ANID|CBF87282.1 ANID|CBF87284.1 BCIN|XP\_001555592.1 BCIN|XP\_001560161.1 CFRU|XP\_031875917.1 CFRU|XP\_031878167.1 CFRU|XP\_031880831.1 CFRU|XP\_031881907.1 CFRU|XP\_031882651.1 CFRU|XP\_031884098.1 CFRU|XP\_031884633.1 CFRU|XP\_031885108.1 CFRU|XP\_031885110.1 CGLO|KAF3799738.1 CGLO|KAF3801824.1 CGLO|KAF3803882.1 CGLO|KAF3806920.1 CGLO|KAF3807751.1 CGLO|KAF3807753.1 CGLO|KAF3810006.1 CGLO|KAF3811073.1 CHIG|XP\_018150802.1 CHIG|XP\_018151651.1 CHIG|XP\_018152941.1 CHIG|XP\_018153100.1 CHIG|XP\_018155390.1 CHIG|XP\_018162649.1 CHIG|XP\_018163021.1 CVIN|KAF4913006.1 CVIN|KAF4915267.1 CVIN|KAF4919157.1 CVIN|KAF4920504.1 CVIN|KAF4920505.1 CVIN|KAF4921510.1 CVIN|KAF4925458.1 CVYL|A00795 CVYL|A00845 CVYL|A00847 CVYL|A02563 CVYL|A08918 CVYL|A09725 CVYL|A11354 CVYL|A12883 FGRM|XP\_011323064.1 FGRM|XP\_011325853.1 FGRM|XP\_011325880.1 MGRA|XP\_003848450.1 MGRA|XP\_003851933.1 MORY|QBZ66444.1 SSCL|APA15859.1

>Orthogroup93: ANID|CBF76291.1 ANID|CBF77164.1 ANID|CBF80671.1 ANID|CBF85310.1 BCIN|XP\_001547344.1 BCIN|XP\_024546307.1 BCIN|XP\_024552871.1 CFRU|XP\_031877918.1 CFRU|XP\_031880698.1 CFRU|XP\_031883415.1 CFRU|XP\_031883650.1 CFRU|XP\_031884266.1 CFRU|XP\_031887778.1 CFRU|XP\_031891120.1 CGLO|KAF3798584.1 CGLO|KAF3801744.1 CGLO|KAF3803799.1 CGLO|KAF3807149.1 CGLO|KAF3810946.1 CGLO|KAF3811774.1 CGLO|KAF3811924.1 CHIG|XP\_018150768.1 CHIG|XP\_018154900.1 CHIG|XP\_018156694.1 CHIG|XP\_018160980.1 CHIG|XP\_018161549.1 CVIN|KAF4895624.1 CVIN|KAF4907650.1 CVIN|KAF4914194.1 CVIN|KAF4917920.1 CVIN|KAF4920188.1 CVIN|KAF4922933.1 CVIN|KAF4928565.1 CVIN|KAF4930079.1 CVYL|A01656 CVYL|A02202 CVYL|A03550 CVYL|A04860 CVYL|A06140 CVYL|A12779 CVYL|A14170 FGRM|XP\_011316501.1 FGRM|XP\_011324421.1 MGRA|XP\_003852525.1 MGRA|XP\_003854062.1 MGRA|XP\_003856054.1 MLAR|XP\_007404110.1 MORY|QBZ53932.1 MORY|QBZ58204.1 MORY|QBZ61947.1 NCRA|XP\_961684.1 SSCL|APA09112.1 SSCL|APA16116.1

>Orthogroup94: BGRA|VCU39163.1 BGRA|VCU39175.1 BGRA|VCU39212.1 BGRA|VCU39519.1 BGRA|VCU39527.1 BGRA|VCU39653.1 BGRA|VCU39701.1 BGRA|VCU39718.1 BGRA|VCU39747.1 BGRA|VCU39791.1 BGRA|VCU40242.1 BGRA|VCU40299.1 BGRA|VCU40497.1 BGRA|VCU40654.1 BGRA|VCU40841.1 BGRA|VCU41177.1 BGRA|VCU41264.1 BGRA|VCU41274.1 BGRA|VCU41322.1 BGRA|VCU41326.1 BGRA|VDB83491.1 BGRA|VDB83531.1 BGRA|VDB84141.1 BGRA|VDB85684.1 BGRA|VDB85686.1 BGRA|VDB85958.1 BGRA|VDB86325.1 BGRA|VDB86339.1 BGRA|VDB87570.1 BGRA|VDB87936.1 BGRA|VDB88117.1 BGRA|VDB88120.1 BGRA|VDB88222.1 BGRA|VDB88260.1 BGRA|VDB88989.1 BGRA|VDB88994.1 BGRA|VDB89057.1 BGRA|VDB89680.1 BGRA|VDB89722.1 BGRA|VDB89860.1 BGRA|VDB89865.1 BGRA|VDB90369.1 BGRA|VDB90724.1 BGRA|VDB92439.1 BGRA|VDB92990.1 BGRA|VDB93149.1 BGRA|VDB94459.1 BGRA|VDB94610.1 BGRA|VDB94824.1 BGRA|VDB94826.1 BGRA|VDB94830.1 BGRA|VDB94923.1 BGRA|VDB95182.1

>Orthogroup95: MLAR|XP\_007404158.1 MLAR|XP\_007404310.1 MLAR|XP\_007404456.1 MLAR|XP\_007404712.1 MLAR|XP\_007404767.1 MLAR|XP\_007404768.1 MLAR|XP\_007404769.1 MLAR|XP\_007404770.1 MLAR|XP\_007404771.1 MLAR|XP\_007404948.1 MLAR|XP\_007405623.1 MLAR|XP\_007405982.1 MLAR|XP\_007406058.1 MLAR|XP\_007406588.1 MLAR|XP\_007407120.1 MLAR|XP\_007407121.1 MLAR|XP\_007407136.1 MLAR|XP\_007407326.1 MLAR|XP\_007407328.1 MLAR|XP\_007407333.1 MLAR|XP\_007407760.1 MLAR|XP\_007407922.1 MLAR|XP\_007408267.1 MLAR|XP\_007409315.1 MLAR|XP\_007409917.1 MLAR|XP\_007410061.1 MLAR|XP\_007410263.1 MLAR|XP\_007411125.1 MLAR|XP\_007411190.1 MLAR|XP\_007411488.1 MLAR|XP\_007411705.1 MLAR|XP\_007412456.1 MLAR|XP\_007412686.1 MLAR|XP\_007412763.1 MLAR|XP\_007413014.1 MLAR|XP\_007413360.1 MLAR|XP\_007413510.1 MLAR|XP\_007413973.1 MLAR|XP\_007414130.1 MLAR|XP\_007414167.1 MLAR|XP\_007414583.1 MLAR|XP\_007414878.1 MLAR|XP\_007415073.1 MLAR|XP\_007415161.1 MLAR|XP\_007415473.1 MLAR|XP\_007416717.1 MLAR|XP\_007416718.1 MLAR|XP\_007416719.1 MLAR|XP\_007417022.1 MLAR|XP\_007418351.1 MLAR|XP\_007418577.1 MLAR|XP\_007418588.1 MLAR|XP\_007419224.1

>Orthogroup96: MLAR|XP\_007404252.1 MLAR|XP\_007404637.1 MLAR|XP\_007404638.1 MLAR|XP\_007404750.1 MLAR|XP\_007405687.1 MLAR|XP\_007405895.1 MLAR|XP\_007406719.1 MLAR|XP\_007406851.1 MLAR|XP\_007407138.1 MLAR|XP\_007407401.1 MLAR|XP\_007407869.1 MLAR|XP\_007408567.1 MLAR|XP\_007408682.1 MLAR|XP\_007408906.1 MLAR|XP\_007409129.1 MLAR|XP\_007409288.1 MLAR|XP\_007409303.1 MLAR|XP\_007409361.1 MLAR|XP\_007409409.1 MLAR|XP\_007409566.1 MLAR|XP\_007410082.1 MLAR|XP\_007411107.1 MLAR|XP\_007411108.1 MLAR|XP\_007411114.1 MLAR|XP\_007411516.1 MLAR|XP\_007412131.1 MLAR|XP\_007412517.1 MLAR|XP\_007412649.1 MLAR|XP\_007413698.1 MLAR|XP\_007413964.1 MLAR|XP\_007414232.1 MLAR|XP\_007414256.1 MLAR|XP\_007414294.1 MLAR|XP\_007414382.1 MLAR|XP\_007414405.1 MLAR|XP\_007414738.1 MLAR|XP\_007414954.1 MLAR|XP\_007415728.1 MLAR|XP\_007416147.1 MLAR|XP\_007416739.1 MLAR|XP\_007417177.1 MLAR|XP\_007417417.1 MLAR|XP\_007417995.1 MLAR|XP\_007418193.1 MLAR|XP\_007418660.1 MLAR|XP\_007418665.1 MLAR|XP\_007418736.1 MLAR|XP\_007418761.1 MLAR|XP\_007419008.1 MLAR|XP\_007419303.1 MLAR|XP\_007419494.1 MLAR|XP\_007419798.1 MLAR|XP\_007419808.1

>Orthogroup97: ANID|CBF71205.1 ANID|CBF71846.1 ANID|CBF74966.1 ANID|CBF76141.1 ANID|CBF80232.1 ANID|CBF89272.1 ANID|CBF89325.1 ANID|CBF89338.1 BCIN|XP\_001552723.1 CFRU|XP\_031875794.1 CFRU|XP\_031875978.1 CFRU|XP\_031875998.1 CFRU|XP\_031878211.1 CFRU|XP\_031883146.1 CFRU|XP\_031883946.1 CFRU|XP\_031890993.1 CFRU|XP\_031893612.1 CGLO|KAF3800816.1 CGLO|KAF3801513.1 CGLO|KAF3801514.1 CGLO|KAF3803256.1 CGLO|KAF3803805.1 CGLO|KAF3805016.1 CGLO|KAF3808488.1 CHIG|XP\_018150856.1 CHIG|XP\_018151625.1 CHIG|XP\_018152826.1 CHIG|XP\_018158990.1 CHIG|XP\_018160296.1 CVIN|KAF4919633.1 CVIN|KAF4922469.1 CVIN|KAF4927089.1 CVYL|A00430 CVYL|A05486 CVYL|A08733 CVYL|A09107 CVYL|A09998 FGRM|XP\_011318155.1 FGRM|XP\_011319561.1 FGRM|XP\_011325238.1 FGRM|XP\_011326027.1 FGRM|XP\_011328702.1 MGRA|XP\_003849964.1 MORY|QBZ57958.1 MORY|QBZ58148.1 MORY|QBZ65056.1 NCRA|XP\_011394221.1 NCRA|XP\_961797.3 NCRA|XP\_961932.2 NCRA|XP\_965033.1 SSCL|APA10644.1 SSCL|APA14063.1

>Orthogroup98: ANID|CBF71547.1 ANID|CBF81976.1 ANID|CBF82396.1 BCIN|XP\_001547254.1 BCIN|XP\_001550254.1 BCIN|XP\_001551072.1 BCIN|XP\_001553186.1 BCIN|XP\_024546494.1 BCIN|XP\_024552410.1 BGRA|VDB93655.1 CFRU|XP\_031880255.1 CFRU|XP\_031881015.1 CFRU|XP\_031884481.1 CFRU|XP\_031887179.1 CFRU|XP\_031888194.1 CGLO|KAF3799744.1 CGLO|KAF3802086.1 CGLO|KAF3809031.1 CGLO|KAF3809401.1 CGLO|KAF3809850.1 CHIG|XP\_018154236.1 CHIG|XP\_018155864.1 CHIG|XP\_018156244.1 CHIG|XP\_018161431.1 CVIN|KAF4916409.1 CVIN|KAF4917963.1 CVIN|KAF4918972.1 CVIN|KAF4923767.1 CVIN|KAF4930702.1 CVYL|A01607 CVYL|A01764 CVYL|A03041 CVYL|A03301 FGRM|XP\_011319608.1 FGRM|XP\_011328061.1 MGRA|XP\_003852363.1 MGRA|XP\_003854016.1 MORY|QBZ56961.1 MORY|QBZ58298.1 MORY|QBZ58341.1 MORY|QBZ63059.1 MORY|QBZ65521.1 NCRA|XP\_956939.1 NCRA|XP\_957099.1 NCRA|XP\_958498.2 NCRA|XP\_958970.1 NCRA|XP\_959595.3 NCRA|XP\_960566.3 NCRA|XP\_962436.2 SSCL|APA07387.1 SSCL|APA07533.1 SSCL|APA14269.1

>Orthogroup99: ANID|CBF74058.1 ANID|CBF83089.1 ANID|CBF83094.1 ANID|CBF85188.1 BCIN|XP\_024546269.1 BCIN|XP\_024550375.1 BCIN|XP\_024550377.1 CFRU|XP\_031877374.1 CFRU|XP\_031879163.1 CFRU|XP\_031879277.1 CFRU|XP\_031884073.1 CFRU|XP\_031885764.1 CFRU|XP\_031887508.1 CFRU|XP\_031893522.1 CGLO|KAF3799917.1 CGLO|KAF3805005.1 CGLO|KAF3807008.1 CGLO|KAF3807184.1 CGLO|KAF3808348.1 CGLO|KAF3808603.1 CGLO|KAF3810072.1 CHIG|XP\_018151537.1 CHIG|XP\_018151661.1 CHIG|XP\_018152405.1 CHIG|XP\_018157780.1 CHIG|XP\_018159361.1 CHIG|XP\_018159859.1 CHIG|XP\_018161557.1 CHIG|XP\_018162665.1 CHIG|XP\_018163511.1 CVIN|KAF4895117.1 CVIN|KAF4912740.1 CVIN|KAF4918635.1 CVIN|KAF4920237.1 CVIN|KAF4926204.1 CVIN|KAF4927138.1 CVYL|A02668 CVYL|A03590 CVYL|A06543 CVYL|A09507 CVYL|A12379 FGRM|XP\_011317717.1 FGRM|XP\_011323091.1 MORY|QBZ53334.1 MORY|QBZ53644.1 MORY|QBZ54470.1 MORY|QBZ56181.1 MORY|QBZ60171.1 MORY|QBZ63117.1 NCRA|XP\_011394932.1 NCRA|XP\_958493.1 SSCL|APA15883.1

>Orthogroup100: CFRU|XP\_031875503.1 CFRU|XP\_031875894.1 CFRU|XP\_031876845.1 CFRU|XP\_031877837.1 CFRU|XP\_031881014.1 CFRU|XP\_031882331.1 CFRU|XP\_031885060.1 CFRU|XP\_031887534.1 CFRU|XP\_031892903.1 CGLO|KAF3797975.1 CGLO|KAF3802659.1 CGLO|KAF3803303.1 CGLO|KAF3804366.1 CGLO|KAF3806620.1 CGLO|KAF3806815.1 CGLO|KAF3807769.1 CGLO|KAF3808658.1 CGLO|KAF3808688.1 CGLO|KAF3809047.1 CGLO|KAF3809599.1 CGLO|KAF3809849.1 CHIG|XP\_018151551.1 CHIG|XP\_018151614.1 CHIG|XP\_018151615.1 CHIG|XP\_018153829.1 CHIG|XP\_018153920.1 CHIG|XP\_018160153.1 CHIG|XP\_018160180.1 CHIG|XP\_018161149.1 CHIG|XP\_018161866.1 CVIN|KAF4895166.1 CVIN|KAF4918357.1 CVIN|KAF4918929.1 CVIN|KAF4920523.1 CVIN|KAF4926116.1 CVIN|KAF4926117.1 CVIN|KAF4928665.1 CVIN|KAF4930703.1 CVYL|A01765 CVYL|A03737 CVYL|A04050 CVYL|A11844 CVYL|A13656 FGRM|XP\_011319614.1 FGRM|XP\_011319635.1 FGRM|XP\_011321817.1 FGRM|XP\_011322167.1 MLAR|XP\_007404944.1 MORY|QBZ56128.1 MORY|QBZ58125.1 MORY|QBZ64966.1 NCRA|XP\_958167.1

>Orthogroup101: MLAR|XP\_007403645.1 MLAR|XP\_007403815.1 MLAR|XP\_007405323.1 MLAR|XP\_007405479.1 MLAR|XP\_007405699.1 MLAR|XP\_007406349.1 MLAR|XP\_007407101.1 MLAR|XP\_007407176.1 MLAR|XP\_007407676.1 MLAR|XP\_007407953.1 MLAR|XP\_007408101.1 MLAR|XP\_007408238.1 MLAR|XP\_007408564.1 MLAR|XP\_007408620.1 MLAR|XP\_007409306.1 MLAR|XP\_007409439.1 MLAR|XP\_007409513.1 MLAR|XP\_007410741.1 MLAR|XP\_007410742.1 MLAR|XP\_007411081.1 MLAR|XP\_007411084.1 MLAR|XP\_007412718.1 MLAR|XP\_007412785.1 MLAR|XP\_007412811.1 MLAR|XP\_007414168.1 MLAR|XP\_007414184.1 MLAR|XP\_007414253.1 MLAR|XP\_007414276.1 MLAR|XP\_007414563.1 MLAR|XP\_007414703.1 MLAR|XP\_007414983.1 MLAR|XP\_007415085.1 MLAR|XP\_007415403.1 MLAR|XP\_007415856.1 MLAR|XP\_007416113.1 MLAR|XP\_007416133.1 MLAR|XP\_007416624.1 MLAR|XP\_007417362.1 MLAR|XP\_007417772.1 MLAR|XP\_007417915.1 MLAR|XP\_007417946.1 MLAR|XP\_007418093.1 MLAR|XP\_007418356.1 MLAR|XP\_007418544.1 MLAR|XP\_007418730.1 MLAR|XP\_007418847.1 MLAR|XP\_007419054.1 MLAR|XP\_007419203.1 MLAR|XP\_007419395.1 MLAR|XP\_007419461.1 MLAR|XP\_007419512.1 MLAR|XP\_007419581.1

>Orthogroup102: MLAR|XP\_007403654.1 MLAR|XP\_007403786.1 MLAR|XP\_007404317.1 MLAR|XP\_007404390.1 MLAR|XP\_007404742.1 MLAR|XP\_007404766.1 MLAR|XP\_007405364.1 MLAR|XP\_007405399.1 MLAR|XP\_007405494.1 MLAR|XP\_007406004.1 MLAR|XP\_007406206.1 MLAR|XP\_007406602.1 MLAR|XP\_007406898.1 MLAR|XP\_007406899.1 MLAR|XP\_007406918.1 MLAR|XP\_007407045.1 MLAR|XP\_007407207.1 MLAR|XP\_007407451.1 MLAR|XP\_007407675.1 MLAR|XP\_007407991.1 MLAR|XP\_007408033.1 MLAR|XP\_007408815.1 MLAR|XP\_007408970.1 MLAR|XP\_007409502.1 MLAR|XP\_007409632.1 MLAR|XP\_007410460.1 MLAR|XP\_007410804.1 MLAR|XP\_007410869.1 MLAR|XP\_007411284.1 MLAR|XP\_007411688.1 MLAR|XP\_007411849.1 MLAR|XP\_007413812.1 MLAR|XP\_007415326.1 MLAR|XP\_007415624.1 MLAR|XP\_007415689.1 MLAR|XP\_007415706.1 MLAR|XP\_007415737.1 MLAR|XP\_007415974.1 MLAR|XP\_007416683.1 MLAR|XP\_007416715.1 MLAR|XP\_007417318.1 MLAR|XP\_007417581.1 MLAR|XP\_007418065.1 MLAR|XP\_007418352.1 MLAR|XP\_007418374.1 MLAR|XP\_007418386.1 MLAR|XP\_007418542.1 MLAR|XP\_007419173.1 MLAR|XP\_007419505.1 MLAR|XP\_007419618.1 MLAR|XP\_007419782.1 MLAR|XP\_007419841.1

>Orthogroup103: MLAR|XP\_007403681.1 MLAR|XP\_007403748.1 MLAR|XP\_007403833.1 MLAR|XP\_007404879.1 MLAR|XP\_007405753.1 MLAR|XP\_007405931.1 MLAR|XP\_007406413.1 MLAR|XP\_007407251.1 MLAR|XP\_007407707.1 MLAR|XP\_007407709.1 MLAR|XP\_007407876.1 MLAR|XP\_007408176.1 MLAR|XP\_007408293.1 MLAR|XP\_007408523.1 MLAR|XP\_007408680.1 MLAR|XP\_007408890.1 MLAR|XP\_007408942.1 MLAR|XP\_007410080.1 MLAR|XP\_007410081.1 MLAR|XP\_007410624.1 MLAR|XP\_007410625.1 MLAR|XP\_007411317.1 MLAR|XP\_007411346.1 MLAR|XP\_007411837.1 MLAR|XP\_007412151.1 MLAR|XP\_007412581.1 MLAR|XP\_007412796.1 MLAR|XP\_007412982.1 MLAR|XP\_007413038.1 MLAR|XP\_007413905.1 MLAR|XP\_007414102.1 MLAR|XP\_007414995.1 MLAR|XP\_007415119.1 MLAR|XP\_007415943.1 MLAR|XP\_007416435.1 MLAR|XP\_007417096.1 MLAR|XP\_007417114.1 MLAR|XP\_007417191.1 MLAR|XP\_007417544.1 MLAR|XP\_007417840.1 MLAR|XP\_007418114.1 MLAR|XP\_007418340.1 MLAR|XP\_007418341.1 MLAR|XP\_007418349.1 MLAR|XP\_007418363.1 MLAR|XP\_007418795.1 MLAR|XP\_007418860.1 MLAR|XP\_007419366.1 MLAR|XP\_007419557.1 MLAR|XP\_007419576.1 MLAR|XP\_007419717.1 MLAR|XP\_007419786.1

>Orthogroup104: MLAR|XP\_007404268.1 MLAR|XP\_007404272.1 MLAR|XP\_007404476.1 MLAR|XP\_007404564.1 MLAR|XP\_007405214.1 MLAR|XP\_007405571.1 MLAR|XP\_007405795.1 MLAR|XP\_007405949.1 MLAR|XP\_007406320.1 MLAR|XP\_007406471.1 MLAR|XP\_007406548.1 MLAR|XP\_007407055.1 MLAR|XP\_007407057.1 MLAR|XP\_007407221.1 MLAR|XP\_007407324.1 MLAR|XP\_007407365.1 MLAR|XP\_007407479.1 MLAR|XP\_007407560.1 MLAR|XP\_007408896.1 MLAR|XP\_007409273.1 MLAR|XP\_007409959.1 MLAR|XP\_007410093.1 MLAR|XP\_007410541.1 MLAR|XP\_007410655.1 MLAR|XP\_007411697.1 MLAR|XP\_007412014.1 MLAR|XP\_007412081.1 MLAR|XP\_007412180.1 MLAR|XP\_007412265.1 MLAR|XP\_007412571.1 MLAR|XP\_007414044.1 MLAR|XP\_007415712.1 MLAR|XP\_007415841.1 MLAR|XP\_007415846.1 MLAR|XP\_007416178.1 MLAR|XP\_007416249.1 MLAR|XP\_007416334.1 MLAR|XP\_007416721.1 MLAR|XP\_007417198.1 MLAR|XP\_007417213.1 MLAR|XP\_007417634.1 MLAR|XP\_007418279.1 MLAR|XP\_007418487.1 MLAR|XP\_007418825.1 MLAR|XP\_007419182.1 MLAR|XP\_007419218.1 MLAR|XP\_007419346.1 MLAR|XP\_007419386.1 MLAR|XP\_007419400.1 MLAR|XP\_007419441.1 MLAR|XP\_007419565.1 MLAR|XP\_007419725.1

>Orthogroup105: MLAR|XP\_007404477.1 MLAR|XP\_007404814.1 MLAR|XP\_007404823.1 MLAR|XP\_007404828.1 MLAR|XP\_007405144.1 MLAR|XP\_007405201.1 MLAR|XP\_007405547.1 MLAR|XP\_007405774.1 MLAR|XP\_007405882.1 MLAR|XP\_007406155.1 MLAR|XP\_007406493.1 MLAR|XP\_007406579.1 MLAR|XP\_007406736.1 MLAR|XP\_007406740.1 MLAR|XP\_007407099.1 MLAR|XP\_007407143.1 MLAR|XP\_007407220.1 MLAR|XP\_007407556.1 MLAR|XP\_007409125.1 MLAR|XP\_007409175.1 MLAR|XP\_007409713.1 MLAR|XP\_007410096.1 MLAR|XP\_007410193.1 MLAR|XP\_007410358.1 MLAR|XP\_007410447.1 MLAR|XP\_007410726.1 MLAR|XP\_007410748.1 MLAR|XP\_007412340.1 MLAR|XP\_007412608.1 MLAR|XP\_007412880.1 MLAR|XP\_007413350.1 MLAR|XP\_007414075.1 MLAR|XP\_007415622.1 MLAR|XP\_007415732.1 MLAR|XP\_007416130.1 MLAR|XP\_007416131.1 MLAR|XP\_007416706.1 MLAR|XP\_007416760.1 MLAR|XP\_007416761.1 MLAR|XP\_007417283.1 MLAR|XP\_007417635.1 MLAR|XP\_007417865.1 MLAR|XP\_007418263.1 MLAR|XP\_007418303.1 MLAR|XP\_007418326.1 MLAR|XP\_007418499.1 MLAR|XP\_007418562.1 MLAR|XP\_007419220.1 MLAR|XP\_007419399.1 MLAR|XP\_007419444.1 MLAR|XP\_007419445.1 MLAR|XP\_007419567.1

>Orthogroup106: MLAR|XP\_007404960.1 MLAR|XP\_007405062.1 MLAR|XP\_007405509.1 MLAR|XP\_007407184.1 MLAR|XP\_007407968.1 MLAR|XP\_007408257.1 MLAR|XP\_007408263.1 MLAR|XP\_007408364.1 MLAR|XP\_007408465.1 MLAR|XP\_007408466.1 MLAR|XP\_007408713.1 MLAR|XP\_007409031.1 MLAR|XP\_007409887.1 MLAR|XP\_007410003.1 MLAR|XP\_007410004.1 MLAR|XP\_007410279.1 MLAR|XP\_007410280.1 MLAR|XP\_007411168.1 MLAR|XP\_007411901.1 MLAR|XP\_007412122.1 MLAR|XP\_007412777.1 MLAR|XP\_007413738.1 MLAR|XP\_007413739.1 MLAR|XP\_007414121.1 MLAR|XP\_007414122.1 MLAR|XP\_007414213.1 MLAR|XP\_007414214.1 MLAR|XP\_007414251.1 MLAR|XP\_007415194.1 MLAR|XP\_007415612.1 MLAR|XP\_007415613.1 MLAR|XP\_007416482.1 MLAR|XP\_007416623.1 MLAR|XP\_007416681.1 MLAR|XP\_007417300.1 MLAR|XP\_007417302.1 MLAR|XP\_007417384.1 MLAR|XP\_007418104.1 MLAR|XP\_007418206.1 MLAR|XP\_007418411.1 MLAR|XP\_007418581.1 MLAR|XP\_007418833.1 MLAR|XP\_007418845.1 MLAR|XP\_007418890.1 MLAR|XP\_007418891.1 MLAR|XP\_007418986.1 MLAR|XP\_007419196.1 MLAR|XP\_007419212.1 MLAR|XP\_007419213.1 MLAR|XP\_007419436.1 MLAR|XP\_007419590.1 MLAR|XP\_007419600.1

>Orthogroup107: ANID|CBF71823.1 ANID|CBF76561.1 ANID|CBF86622.1 ANID|CBF87116.1 ANID|CBF88117.1 BCIN|XP\_001547212.2 BCIN|XP\_001548857.1 BCIN|XP\_001549476.1 BCIN|XP\_001549864.1 BCIN|XP\_001553967.1 CFRU|XP\_031877235.1 CFRU|XP\_031878098.1 CFRU|XP\_031880214.1 CFRU|XP\_031880958.1 CFRU|XP\_031885910.1 CFRU|XP\_031885955.1 CFRU|XP\_031888820.1 CFRU|XP\_031890894.1 CGLO|KAF3799228.1 CGLO|KAF3801846.1 CGLO|KAF3805517.1 CGLO|KAF3806837.1 CGLO|KAF3808940.1 CGLO|KAF3811987.1 CHIG|XP\_018155255.1 CHIG|XP\_018155382.1 CHIG|XP\_018159334.1 CHIG|XP\_018159606.1 CHIG|XP\_018161109.1 CHIG|XP\_018161473.1 CVIN|KAF4901587.1 CVIN|KAF4909292.1 CVIN|KAF4918312.1 CVIN|KAF4930428.1 CVIN|KAF4930724.1 CVYL|A01731 CVYL|A02484 CVYL|A05520 CVYL|A05640 CVYL|A12859 FGRM|XP\_011317430.1 FGRM|XP\_011322230.1 FGRM|XP\_011322648.1 FGRM|XP\_011325131.1 MLAR|XP\_007411862.1 MLAR|XP\_007411863.1 MLAR|XP\_007412538.1 MLAR|XP\_007416654.1 SSCL|APA08244.1 SSCL|APA13447.1 SSCL|APA15980.1

>Orthogroup108: ANID|CBF73428.1 ANID|CBF78859.1 ANID|CBF84390.1 ANID|CBF87297.1 BCIN|XP\_024545967.1 BCIN|XP\_024546481.1 BCIN|XP\_024547117.1 BCIN|XP\_024547262.1 BCIN|XP\_024548150.1 BCIN|XP\_024548433.1 BCIN|XP\_024549233.1 BCIN|XP\_024549692.1 BCIN|XP\_024550508.1 BCIN|XP\_024551391.1 BCIN|XP\_024551750.1 BCIN|XP\_024552963.1 BCIN|XP\_024553328.1 BGRA|VDB93287.1 CFRU|XP\_031881722.1 CFRU|XP\_031886959.1 CFRU|XP\_031889309.1 CFRU|XP\_031892663.1 CGLO|KAF3797289.1 CGLO|KAF3797847.1 CGLO|KAF3808909.1 CGLO|KAF3811328.1 CHIG|XP\_018152696.1 CHIG|XP\_018160554.1 CVIN|KAF4908869.1 CVIN|KAF4920734.1 CVIN|KAF4927247.1 CVYL|A01177 CVYL|A04511 CVYL|A11529 FGRM|XP\_011325445.1 FGRM|XP\_011325625.1 FGRM|XP\_011326899.1 FGRM|XP\_011327735.1 MGRA|XP\_003856617.1 MORY|QBZ56622.1 MORY|QBZ57017.1 MORY|QBZ63284.1 NCRA|XP\_961504.3 SSCL|APA05624.1 SSCL|APA07411.1 SSCL|APA10623.1 SSCL|APA11266.1 SSCL|APA14016.1 SSCL|APA14218.1 SSCL|APA14219.1 SSCL|APA16248.1

>Orthogroup109: ANID|CBF78938.1 BCIN|XP\_001547129.1 BCIN|XP\_001549298.1 BCIN|XP\_001555183.1 BCIN|XP\_001555528.1 BCIN|XP\_024545947.1 BCIN|XP\_024547003.1 BGRA|VDB92812.1 BGRA|VDB93135.1 CFRU|XP\_031882613.1 CFRU|XP\_031882959.1 CFRU|XP\_031883549.1 CFRU|XP\_031884955.1 CGLO|KAF3803867.1 CGLO|KAF3808307.1 CGLO|KAF3810870.1 CHIG|XP\_018151061.1 CHIG|XP\_018151587.1 CHIG|XP\_018153870.1 CHIG|XP\_018154968.1 CVIN|KAF4913276.1 CVIN|KAF4916347.1 CVIN|KAF4924077.1 CVIN|KAF4925450.1 CVYL|A00643 CVYL|A02274 CVYL|A05931 CVYL|A08933 FGRM|XP\_011316524.1 FGRM|XP\_011322016.1 FGRM|XP\_011325579.1 MGRA|XP\_003847578.1 MGRA|XP\_003848252.1 MGRA|XP\_003854919.1 MGRA|XP\_003856923.1 MLAR|XP\_007408333.1 MLAR|XP\_007408595.1 MLAR|XP\_007408596.1 MLAR|XP\_007408597.1 MLAR|XP\_007411542.1 MLAR|XP\_007414535.1 MLAR|XP\_007416912.1 MORY|QBZ57853.1 MORY|QBZ64551.1 MORY|QBZ64854.1 NCRA|XP\_965183.2 SSCL|APA05877.1 SSCL|APA07378.1 SSCL|APA09175.1 SSCL|APA10749.1 SSCL|APA12109.1

>Orthogroup110: ANID|CBF79793.1 ANID|CBF82339.1 BCIN|XP\_024551665.1 BCIN|XP\_024553807.1 BGRA|VCU38949.1 CFRU|XP\_031876968.1 CFRU|XP\_031876970.1 CFRU|XP\_031876980.1 CFRU|XP\_031877010.1 CFRU|XP\_031877313.1 CFRU|XP\_031877371.1 CGLO|KAF3799924.1 CHIG|XP\_018153779.1 CHIG|XP\_018156498.1 CVIN|KAF4903978.1 CVIN|KAF4903979.1 CVIN|KAF4906961.1 CVYL|A09613 FGRM|XP\_011315645.1 FGRM|XP\_011325979.1 FGRM|XP\_011327776.1 FGRM|XP\_011327777.1 MGRA|XP\_003847416.1 MGRA|XP\_003851300.1 MGRA|XP\_003853553.1 MORY|QBZ53311.1 MORY|QBZ53312.1 MORY|QBZ53313.1 MORY|QBZ53314.1 MORY|QBZ53493.1 MORY|QBZ53494.1 MORY|QBZ53495.1 MORY|QBZ53496.1 MORY|QBZ53497.1 MORY|QBZ53498.1 MORY|QBZ53499.1 MORY|QBZ53500.1 MORY|QBZ53501.1 MORY|QBZ53510.1 MORY|QBZ53515.1 MORY|QBZ53601.1 MORY|QBZ55013.1 MORY|QBZ56801.1 MORY|QBZ58562.1 MORY|QBZ58563.1 MORY|QBZ66632.1 MORY|QBZ66648.1 MORY|QBZ66698.1 NCRA|XP\_962556.1 SSCL|APA14802.1 SSCL|APA15260.1

>Orthogroup111: ANID|CBF83064.1 BCIN|XP\_001559635.1 BCIN|XP\_024549103.1 CFRU|XP\_031876480.1 CFRU|XP\_031880299.1 CFRU|XP\_031882571.1 CFRU|XP\_031884514.1 CFRU|XP\_031884671.1 CFRU|XP\_031893275.1 CGLO|KAF3799678.1 CGLO|KAF3799717.1 CGLO|KAF3808927.1 CGLO|KAF3809542.1 CHIG|XP\_018158064.1 CHIG|XP\_018158260.1 CHIG|XP\_018158270.1 CHIG|XP\_018163089.1 CHIG|XP\_018163090.1 CVIN|KAF4905643.1 CVIN|KAF4918568.1 CVIN|KAF4919945.1 CVIN|KAF4919954.1 CVIN|KAF4920720.1 CVIN|KAF4925474.1 CVYL|A01159 CVYL|A05842 CVYL|A05877 CVYL|A08349 CVYL|A08480 CVYL|A08899 FGRM|XP\_011321151.1 FGRM|XP\_011325372.1 FGRM|XP\_011326167.1 MLAR|XP\_007405853.1 MLAR|XP\_007413051.1 MLAR|XP\_007413053.1 MLAR|XP\_007413057.1 MLAR|XP\_007413058.1 MLAR|XP\_007413059.1 MLAR|XP\_007413127.1 MLAR|XP\_007413134.1 MLAR|XP\_007419538.1 MLAR|XP\_007419539.1 MLAR|XP\_007419540.1 MLAR|XP\_007419812.1 MORY|QBZ54840.1 MORY|QBZ57793.1 MORY|QBZ61916.1 NCRA|XP\_958513.3 NCRA|XP\_959289.2 SSCL|APA09402.1

>Orthogroup112: BCIN|XP\_001549558.2 BCIN|XP\_024550620.1 BCIN|XP\_024552582.1 BCIN|XP\_024553288.1 CFRU|XP\_031878843.1 CFRU|XP\_031880095.1 CFRU|XP\_031880257.1 CFRU|XP\_031881980.1 CFRU|XP\_031881983.1 CFRU|XP\_031882964.1 CFRU|XP\_031888620.1 CGLO|KAF3798776.1 CGLO|KAF3798823.1 CGLO|KAF3799341.1 CGLO|KAF3799342.1 CGLO|KAF3799343.1 CGLO|KAF3802634.1 CGLO|KAF3806058.1 CGLO|KAF3808211.1 CGLO|KAF3809037.1 CHIG|XP\_018161298.1 CHIG|XP\_018162977.1 CVIN|KAF4912778.1 CVIN|KAF4913555.1 CVIN|KAF4921661.1 CVIN|KAF4923770.1 CVIN|KAF4924290.1 CVIN|KAF4924771.1 CVYL|A00559 CVYL|A02342 CVYL|A03925 CVYL|A04397 CVYL|A04408 CVYL|A07456 CVYL|A09585 CVYL|A12798 CVYL|A12799 CVYL|A13616 FGRM|XP\_011318326.1 FGRM|XP\_011320956.1 FGRM|XP\_011321663.1 FGRM|XP\_011323363.1 FGRM|XP\_011325097.1 FGRM|XP\_011328737.1 MGRA|XP\_003849600.1 MGRA|XP\_003852729.1 NCRA|XP\_011393626.1 NCRA|XP\_962827.3 SSCL|APA15386.1 SSCL|APA15643.1 SSCL|APA15644.1

>Orthogroup113: MLAR|XP\_007404155.1 MLAR|XP\_007404228.1 MLAR|XP\_007404463.1 MLAR|XP\_007405533.1 MLAR|XP\_007405575.1 MLAR|XP\_007405614.1 MLAR|XP\_007405749.1 MLAR|XP\_007405802.1 MLAR|XP\_007406186.1 MLAR|XP\_007406202.1 MLAR|XP\_007407000.1 MLAR|XP\_007407189.1 MLAR|XP\_007407933.1 MLAR|XP\_007408078.1 MLAR|XP\_007408553.1 MLAR|XP\_007409180.1 MLAR|XP\_007409751.1 MLAR|XP\_007410048.1 MLAR|XP\_007410181.1 MLAR|XP\_007410640.1 MLAR|XP\_007410642.1 MLAR|XP\_007410658.1 MLAR|XP\_007411228.1 MLAR|XP\_007411921.1 MLAR|XP\_007411967.1 MLAR|XP\_007412440.1 MLAR|XP\_007413695.1 MLAR|XP\_007413787.1 MLAR|XP\_007414041.1 MLAR|XP\_007414627.1 MLAR|XP\_007414739.1 MLAR|XP\_007414970.1 MLAR|XP\_007415726.1 MLAR|XP\_007416003.1 MLAR|XP\_007416373.1 MLAR|XP\_007416381.1 MLAR|XP\_007416620.1 MLAR|XP\_007416922.1 MLAR|XP\_007417171.1 MLAR|XP\_007417376.1 MLAR|XP\_007417709.1 MLAR|XP\_007417779.1 MLAR|XP\_007418103.1 MLAR|XP\_007418294.1 MLAR|XP\_007418495.1 MLAR|XP\_007418759.1 MLAR|XP\_007419153.1 MLAR|XP\_007419205.1 MLAR|XP\_007419320.1 MLAR|XP\_007419404.1 MLAR|XP\_007419484.1

>Orthogroup114: MLAR|XP\_007403761.1 MLAR|XP\_007403977.1 MLAR|XP\_007404123.1 MLAR|XP\_007404131.1 MLAR|XP\_007404465.1 MLAR|XP\_007404577.1 MLAR|XP\_007404588.1 MLAR|XP\_007405079.1 MLAR|XP\_007405125.1 MLAR|XP\_007406145.1 MLAR|XP\_007406536.1 MLAR|XP\_007406538.1 MLAR|XP\_007406802.1 MLAR|XP\_007407118.1 MLAR|XP\_007407561.1 MLAR|XP\_007407765.1 MLAR|XP\_007407947.1 MLAR|XP\_007407949.1 MLAR|XP\_007408000.1 MLAR|XP\_007408481.1 MLAR|XP\_007408609.1 MLAR|XP\_007408844.1 MLAR|XP\_007410005.1 MLAR|XP\_007410050.1 MLAR|XP\_007410247.1 MLAR|XP\_007410643.1 MLAR|XP\_007411811.1 MLAR|XP\_007411939.1 MLAR|XP\_007412720.1 MLAR|XP\_007413897.1 MLAR|XP\_007414456.1 MLAR|XP\_007414709.1 MLAR|XP\_007415029.1 MLAR|XP\_007415120.1 MLAR|XP\_007415314.1 MLAR|XP\_007415549.1 MLAR|XP\_007416723.1 MLAR|XP\_007416998.1 MLAR|XP\_007417493.1 MLAR|XP\_007417583.1 MLAR|XP\_007417832.1 MLAR|XP\_007417948.1 MLAR|XP\_007418097.1 MLAR|XP\_007418106.1 MLAR|XP\_007418108.1 MLAR|XP\_007418453.1 MLAR|XP\_007418667.1 MLAR|XP\_007418871.1 MLAR|XP\_007418879.1 MLAR|XP\_007419128.1 MLAR|XP\_007419174.1

>Orthogroup115: ANID|CBF69557.1 ANID|CBF71560.1 ANID|CBF80434.1 ANID|CBF82747.1 BCIN|XP\_001558118.2 BCIN|XP\_024553690.1 BGRA|VDB96341.1 CFRU|XP\_031878387.1 CFRU|XP\_031879049.1 CFRU|XP\_031882232.1 CFRU|XP\_031883870.1 CFRU|XP\_031889285.1 CFRU|XP\_031890113.1 CGLO|KAF3798832.1 CGLO|KAF3801284.1 CGLO|KAF3802348.1 CGLO|KAF3804363.1 CGLO|KAF3805047.1 CGLO|KAF3808901.1 CGLO|KAF3810753.1 CHIG|XP\_018151225.1 CHIG|XP\_018152804.1 CHIG|XP\_018161585.1 CHIG|XP\_018162550.1 CVIN|KAF4889312.1 CVIN|KAF4905800.1 CVIN|KAF4914511.1 CVIN|KAF4918335.1 CVIN|KAF4919604.1 CVIN|KAF4921587.1 CVIN|KAF4932021.1 CVYL|A04052 CVYL|A05180 CVYL|A06509 CVYL|A07202 CVYL|A09102 FGRM|XP\_011317593.1 FGRM|XP\_011318330.1 FGRM|XP\_011327651.1 MGRA|XP\_003847419.1 MGRA|XP\_003851960.1 MGRA|XP\_003854549.1 MLAR|XP\_007406598.1 MORY|QBZ53426.1 MORY|QBZ59718.1 MORY|QBZ59719.1 NCRA|XP\_956651.1 NCRA|XP\_958502.1 SSCL|APA12966.1 SSCL|APA15089.1

>Orthogroup116: ANID|CBF70633.1 ANID|CBF71591.1 ANID|CBF76678.1 ANID|CBF80144.1 ANID|CBF85228.1 ANID|CBF85230.1 ANID|CBF87258.1 BCIN|XP\_001549344.1 BCIN|XP\_001552245.1 CFRU|XP\_031877369.1 CFRU|XP\_031878919.1 CFRU|XP\_031880947.1 CFRU|XP\_031883533.1 CFRU|XP\_031884945.1 CFRU|XP\_031887512.1 CGLO|KAF3806855.1 CGLO|KAF3807874.1 CGLO|KAF3807875.1 CGLO|KAF3809110.1 CGLO|KAF3810852.1 CGLO|KAF3811602.1 CGLO|KAF3812193.1 CHIG|XP\_018153416.1 CHIG|XP\_018153826.1 CHIG|XP\_018159542.1 CHIG|XP\_018160874.1 CVIN|KAF4893128.1 CVIN|KAF4911105.1 CVIN|KAF4920979.1 CVIN|KAF4921476.1 CVIN|KAF4921705.1 CVIN|KAF4922578.1 CVYL|A00192 CVYL|A00737 CVYL|A00738 CVYL|A02290 CVYL|A02502 CVYL|A03460 CVYL|A09651 FGRM|XP\_011315643.1 FGRM|XP\_011324862.1 MGRA|XP\_003848913.1 MGRA|XP\_003849223.1 MGRA|XP\_003851317.1 MLAR|XP\_007410174.1 MLAR|XP\_007417217.1 MORY|QBZ56553.1 NCRA|XP\_961973.2 SSCL|APA06405.1 SSCL|APA12902.1

>Orthogroup117: ANID|CBF73421.1 ANID|CBF76627.1 ANID|CBF76692.1 ANID|CBF88800.1 BCIN|XP\_001560201.2 BCIN|XP\_024549732.1 BCIN|XP\_024551175.1 BCIN|XP\_024551627.1 BGRA|VCU41059.1 CFRU|XP\_031880278.1 CFRU|XP\_031881557.1 CFRU|XP\_031882710.1 CFRU|XP\_031883201.1 CGLO|KAF3804809.1 CGLO|KAF3806640.1 CGLO|KAF3807445.1 CGLO|KAF3809089.1 CHIG|XP\_018151543.1 CHIG|XP\_018155892.1 CHIG|XP\_018156785.1 CHIG|XP\_018163253.1 CVIN|KAF4918529.1 CVIN|KAF4918931.1 CVIN|KAF4918934.1 CVIN|KAF4923805.1 CVIN|KAF4924304.1 CVYL|A00504 CVYL|A01623 CVYL|A10953 CVYL|A12353 FGRM|XP\_011325364.1 FGRM|XP\_011326235.1 FGRM|XP\_011328287.1 MGRA|XP\_003854441.1 MORY|QBZ55169.1 MORY|QBZ61798.1 MORY|QBZ62602.1 MORY|QBZ62738.1 MORY|QBZ63087.1 NCRA|XP\_957091.2 NCRA|XP\_959036.3 NCRA|XP\_959395.2 NCRA|XP\_960189.1 NCRA|XP\_960409.2 NCRA|XP\_965228.1 SSCL|APA05433.1 SSCL|APA06271.1 SSCL|APA10182.1 SSCL|APA15899.1

>Orthogroup118: ANID|CBF85212.1 ANID|CBF89390.1 BCIN|XP\_024548637.1 BCIN|XP\_024549082.1 BCIN|XP\_024550081.1 BCIN|XP\_024550804.1 BCIN|XP\_024553571.1 CFRU|XP\_031877163.1 CFRU|XP\_031883980.1 CFRU|XP\_031885890.1 CFRU|XP\_031890576.1 CFRU|XP\_031892251.1 CGLO|KAF3803992.1 CGLO|KAF3805008.1 CGLO|KAF3805449.1 CGLO|KAF3806730.1 CGLO|KAF3809690.1 CHIG|XP\_018150944.1 CHIG|XP\_018151070.1 CHIG|XP\_018155305.1 CHIG|XP\_018158708.1 CHIG|XP\_018163513.1 CHIG|XP\_018164901.1 CVIN|KAF4919491.1 CVIN|KAF4921953.1 CVIN|KAF4925213.1 CVIN|KAF4927136.1 CVIN|KAF4930394.1 CVYL|A05579 CVYL|A06541 CVYL|A06607 CVYL|A08808 CVYL|A14041 FGRM|XP\_011317340.1 FGRM|XP\_011317679.1 FGRM|XP\_011323042.1 FGRM|XP\_011323066.1 FGRM|XP\_011323122.1 FGRM|XP\_011323321.1 FGRM|XP\_011325155.1 FGRM|XP\_011328870.1 MGRA|XP\_003854493.1 MORY|QBZ55835.1 MORY|QBZ60461.1 NCRA|XP\_011392810.1 NCRA|XP\_963752.1 SSCL|APA09867.1 SSCL|APA11503.1 SSCL|APA15868.1

>Orthogroup119: ANID|CBF69705.1 ANID|CBF69936.1 ANID|CBF88558.1 ANID|CBF90396.1 BCIN|XP\_001560008.1 BCIN|XP\_024546758.1 BCIN|XP\_024547345.1 BCIN|XP\_024547370.1 BCIN|XP\_024547964.1 BCIN|XP\_024549286.1 BCIN|XP\_024551250.1 CFRU|XP\_031875845.1 CFRU|XP\_031881956.1 CFRU|XP\_031884100.1 CFRU|XP\_031890585.1 CFRU|XP\_031890688.1 CGLO|KAF3805546.1 CGLO|KAF3806159.1 CGLO|KAF3806713.1 CGLO|KAF3806746.1 CGLO|KAF3811069.1 CHIG|XP\_018153095.1 CHIG|XP\_018155398.1 CHIG|XP\_018158689.1 CHIG|XP\_018161098.1 CHIG|XP\_018164502.1 CVIN|KAF4890970.1 CVIN|KAF4891766.1 CVIN|KAF4915261.1 CVIN|KAF4919474.1 CVIN|KAF4919488.1 CVYL|A05669 CVYL|A07348 CVYL|A09728 CVYL|A14020 CVYL|A14058 FGRM|XP\_011315867.1 FGRM|XP\_011323192.1 FGRM|XP\_011325044.1 FGRM|XP\_011325121.1 MORY|QBZ59010.1 NCRA|XP\_959706.3 NCRA|XP\_963379.3 SSCL|APA08380.1 SSCL|APA08908.1 SSCL|APA09980.1 SSCL|APA14324.1 SSCL|APA14373.1

>Orthogroup120: ANID|CBF73386.1 ANID|CBF81948.1 ANID|CBF87736.1 BCIN|XP\_001546858.1 BCIN|XP\_001555779.2 BCIN|XP\_024548804.1 BCIN|XP\_024551018.1 BCIN|XP\_024553355.1 BCIN|XP\_024553760.1 BGRA|VDB85983.1 BGRA|VDB86329.1 CFRU|XP\_031884272.1 CFRU|XP\_031891342.1 CFRU|XP\_031892901.1 CGLO|KAF3797419.1 CGLO|KAF3799956.1 CGLO|KAF3804587.1 CGLO|KAF3806817.1 CGLO|KAF3809601.1 CHIG|XP\_018151526.1 CHIG|XP\_018151647.1 CHIG|XP\_018153108.1 CHIG|XP\_018156533.1 CHIG|XP\_018157042.1 CHIG|XP\_018157379.1 CHIG|XP\_018159071.1 CVIN|KAF4929350.1 CVYL|A05292 CVYL|A10170 CVYL|A10258 FGRM|XP\_011318235.1 FGRM|XP\_011319986.1 FGRM|XP\_011328596.1 MGRA|XP\_003855956.1 MORY|QBZ54348.1 MORY|QBZ62888.1 MORY|QBZ63119.1 MORY|QBZ66578.1 NCRA|XP\_011394320.1 NCRA|XP\_957867.2 NCRA|XP\_962939.1 SSCL|APA07270.1 SSCL|APA07271.1 SSCL|APA10036.1 SSCL|APA10270.1 SSCL|APA11169.1 SSCL|APA16356.1 SSCL|APA16357.1

>Orthogroup121: ANID|CBF74692.1 ANID|CBF74694.1 ANID|CBF83471.1 ANID|CBF83667.1 ANID|CBF86363.1 BCIN|XP\_024546205.1 CFRU|XP\_031878846.1 CFRU|XP\_031879494.1 CFRU|XP\_031882696.1 CFRU|XP\_031883296.1 CFRU|XP\_031884612.1 CFRU|XP\_031886056.1 CFRU|XP\_031893058.1 CGLO|KAF3799079.1 CGLO|KAF3801169.1 CGLO|KAF3801751.1 CGLO|KAF3802436.1 CGLO|KAF3802623.1 CGLO|KAF3803869.1 CGLO|KAF3808390.1 CHIG|XP\_018151086.1 CHIG|XP\_018152457.1 CHIG|XP\_018155034.1 CHIG|XP\_018155205.1 CHIG|XP\_018158180.1 CHIG|XP\_018159275.1 CVIN|KAF4890318.1 CVIN|KAF4905504.1 CVIN|KAF4911052.1 CVIN|KAF4916860.1 CVIN|KAF4918266.1 CVIN|KAF4922936.1 CVIN|KAF4925428.1 CVYL|A01919 CVYL|A08930 CVYL|A09549 CVYL|A11450 CVYL|A12954 CVYL|A13579 FGRM|XP\_011317487.1 FGRM|XP\_011327525.1 MGRA|XP\_003847855.1 MGRA|XP\_003852478.1 MORY|QBZ65538.1 NCRA|XP\_958530.1 NCRA|XP\_958986.2 NCRA|XP\_962843.2 SSCL|APA07020.1

>Orthogroup122: ANID|CBF74968.1 ANID|CBF86789.1 BCIN|XP\_024545894.1 CFRU|XP\_031878912.1 CFRU|XP\_031879738.1 CFRU|XP\_031879952.1 CFRU|XP\_031881574.1 CFRU|XP\_031883072.1 CFRU|XP\_031883165.1 CFRU|XP\_031890322.1 CFRU|XP\_031891343.1 CFRU|XP\_031891907.1 CFRU|XP\_031892219.1 CGLO|KAF3798162.1 CGLO|KAF3798391.1 CGLO|KAF3798932.1 CGLO|KAF3805614.1 CGLO|KAF3807396.1 CGLO|KAF3808269.1 CGLO|KAF3808270.1 CGLO|KAF3808282.1 CGLO|KAF3809724.1 CHIG|XP\_018151955.1 CHIG|XP\_018152728.1 CHIG|XP\_018152880.1 CHIG|XP\_018163037.1 CHIG|XP\_018164822.1 CHIG|XP\_018165010.1 CVIN|KAF4898137.1 CVIN|KAF4921161.1 CVIN|KAF4921964.1 CVIN|KAF4922817.1 CVIN|KAF4924091.1 CVIN|KAF4929357.1 CVYL|A00619 CVYL|A04955 CVYL|A06646 CVYL|A07582 CVYL|A07852 CVYL|A08207 CVYL|A10259 CVYL|A12195 FGRM|XP\_011322461.1 FGRM|XP\_011323048.1 MGRA|XP\_003855448.1 MORY|QBZ59441.1 MORY|QBZ65649.1 SSCL|APA09487.1

>Orthogroup123: ANID|CBF78393.1 BCIN|XP\_001554946.1 CFRU|XP\_031876097.1 CFRU|XP\_031877657.1 CFRU|XP\_031880158.1 CFRU|XP\_031883075.1 CFRU|XP\_031884326.1 CFRU|XP\_031886145.1 CFRU|XP\_031889308.1 CFRU|XP\_031891690.1 CFRU|XP\_031891729.1 CGLO|KAF3799998.1 CGLO|KAF3800087.1 CGLO|KAF3801107.1 CGLO|KAF3805650.1 CGLO|KAF3807358.1 CGLO|KAF3808267.1 CGLO|KAF3808888.1 CGLO|KAF3811823.1 CGLO|KAF3811978.1 CHIG|XP\_018151742.1 CHIG|XP\_018153051.1 CHIG|XP\_018153759.1 CHIG|XP\_018156186.1 CHIG|XP\_018163320.1 CHIG|XP\_018164679.1 CHIG|XP\_018165008.1 CVIN|KAF4895289.1 CVIN|KAF4909551.1 CVIN|KAF4920053.1 CVIN|KAF4924891.1 CVIN|KAF4925686.1 CVIN|KAF4926914.1 CVIN|KAF4930331.1 CVYL|A01179 CVYL|A05530 CVYL|A07548 CVYL|A10214 CVYL|A10852 CVYL|A10853 CVYL|A11288 CVYL|A12827 FGRM|XP\_011325122.1 FGRM|XP\_011325735.1 MGRA|XP\_003855000.1 NCRA|XP\_957420.1 NCRA|XP\_964953.1 SSCL|APA08370.1

>Orthogroup124: ANID|CBF80198.1 BCIN|XP\_001547385.1 BCIN|XP\_001560071.2 CFRU|XP\_031878082.1 CFRU|XP\_031878501.1 CFRU|XP\_031881223.1 CFRU|XP\_031881417.1 CFRU|XP\_031885145.1 CFRU|XP\_031889058.1 CFRU|XP\_031889225.1 CFRU|XP\_031890086.1 CGLO|KAF3799266.1 CGLO|KAF3799803.1 CGLO|KAF3801870.1 CGLO|KAF3805721.1 CGLO|KAF3807797.1 CGLO|KAF3808917.1 CGLO|KAF3810371.1 CGLO|KAF3810989.1 CHIG|XP\_018151604.1 CHIG|XP\_018155776.1 CHIG|XP\_018156582.1 CHIG|XP\_018159643.1 CHIG|XP\_018162994.1 CHIG|XP\_018163631.1 CVIN|KAF4892665.1 CVIN|KAF4920749.1 CVIN|KAF4921536.1 CVIN|KAF4921822.1 CVIN|KAF4926589.1 CVYL|A00805 CVYL|A01168 CVYL|A02165 CVYL|A04790 CVYL|A05741 CVYL|A09822 CVYL|A10157 FGRM|XP\_011320513.1 FGRM|XP\_011322751.1 FGRM|XP\_011325361.1 MGRA|XP\_003853300.1 MGRA|XP\_003854015.1 MGRA|XP\_003856157.1 MORY|QBZ53739.1 MORY|QBZ62451.1 NCRA|XP\_958971.1 NCRA|XP\_959386.1 SSCL|APA14225.1

>Orthogroup125: BCIN|XP\_024553752.1 BGRA|VDB92876.1 CFRU|XP\_031876915.1 CFRU|XP\_031878728.1 CFRU|XP\_031882197.1 CFRU|XP\_031888045.1 CFRU|XP\_031889543.1 CFRU|XP\_031893430.1 CGLO|KAF3798332.1 CGLO|KAF3799122.1 CGLO|KAF3799850.1 CGLO|KAF3802058.1 CGLO|KAF3804407.1 CGLO|KAF3809445.1 CGLO|KAF3810482.1 CHIG|XP\_018151568.1 CHIG|XP\_018151657.1 CHIG|XP\_018154189.1 CHIG|XP\_018156505.1 CHIG|XP\_018156883.1 CHIG|XP\_018157047.1 CHIG|XP\_018157055.1 CHIG|XP\_018158106.1 CHIG|XP\_018159130.1 CHIG|XP\_018160218.1 CVIN|KAF4901925.1 CVIN|KAF4908441.1 CVIN|KAF4920296.1 CVIN|KAF4921741.1 CVIN|KAF4924627.1 CVIN|KAF4930879.1 CVYL|A03329 CVYL|A03424 CVYL|A04106 CVYL|A08228 CVYL|A09037 CVYL|A09665 CVYL|A14085 MGRA|XP\_003853387.1 MGRA|XP\_003856163.1 MORY|QBZ58122.1 MORY|QBZ60725.1 MORY|QBZ63077.1 MORY|QBZ64218.1 MORY|QBZ65380.1 NCRA|XP\_011395387.1 NCRA|XP\_959741.2 SSCL|APA08443.1

>Orthogroup126: MLAR|XP\_007404295.1 MLAR|XP\_007405413.1 MLAR|XP\_007405522.1 MLAR|XP\_007405816.1 MLAR|XP\_007406359.1 MLAR|XP\_007406428.1 MLAR|XP\_007406521.1 MLAR|XP\_007406592.1 MLAR|XP\_007406714.1 MLAR|XP\_007406946.1 MLAR|XP\_007407021.1 MLAR|XP\_007407238.1 MLAR|XP\_007407261.1 MLAR|XP\_007407275.1 MLAR|XP\_007407582.1 MLAR|XP\_007407913.1 MLAR|XP\_007407921.1 MLAR|XP\_007408207.1 MLAR|XP\_007408208.1 MLAR|XP\_007408743.1 MLAR|XP\_007409807.1 MLAR|XP\_007410596.1 MLAR|XP\_007410695.1 MLAR|XP\_007411718.1 MLAR|XP\_007412109.1 MLAR|XP\_007412322.1 MLAR|XP\_007412417.1 MLAR|XP\_007412418.1 MLAR|XP\_007412738.1 MLAR|XP\_007413132.1 MLAR|XP\_007413146.1 MLAR|XP\_007413197.1 MLAR|XP\_007413648.1 MLAR|XP\_007413686.1 MLAR|XP\_007413867.1 MLAR|XP\_007414255.1 MLAR|XP\_007414371.1 MLAR|XP\_007415609.1 MLAR|XP\_007416048.1 MLAR|XP\_007416242.1 MLAR|XP\_007417280.1 MLAR|XP\_007417409.1 MLAR|XP\_007417582.1 MLAR|XP\_007418748.1 MLAR|XP\_007419058.1 MLAR|XP\_007419592.1 MLAR|XP\_007419687.1 MLAR|XP\_007419711.1

>Orthogroup127: ANID|CBF69509.1 ANID|CBF71799.1 ANID|CBF80820.1 ANID|CBF84141.1 ANID|CBF84280.1 ANID|CBF84517.1 ANID|CBF84542.1 BCIN|XP\_001559905.2 BCIN|XP\_024547380.1 CFRU|XP\_031877278.1 CFRU|XP\_031878366.1 CFRU|XP\_031878749.1 CFRU|XP\_031878888.1 CFRU|XP\_031878969.1 CFRU|XP\_031887532.1 CGLO|KAF3798370.1 CGLO|KAF3806787.1 CGLO|KAF3807843.1 CGLO|KAF3807856.1 CGLO|KAF3810785.1 CHIG|XP\_018159454.1 CHIG|XP\_018161418.1 CHIG|XP\_018162971.1 CHIG|XP\_018163044.1 CVIN|KAF4914243.1 CVIN|KAF4922590.1 CVIN|KAF4922605.1 CVIN|KAF4923575.1 CVIN|KAF4928691.1 CVIN|KAF4932151.1 CVYL|A00755 CVYL|A00768 CVYL|A02449 CVYL|A03739 CVYL|A07165 CVYL|A08999 MGRA|XP\_003856837.1 MORY|QBZ53554.1 MORY|QBZ56765.1 MORY|QBZ57127.1 MORY|QBZ61770.1 MORY|QBZ62395.1 MORY|QBZ64242.1 MORY|QBZ65439.1 NCRA|XP\_011395139.1 NCRA|XP\_011395212.1 SSCL|APA10039.1

>Orthogroup128: ANID|CBF73621.1 ANID|CBF76664.1 ANID|CBF80955.1 ANID|CBF85031.1 ANID|CBF87087.1 BCIN|XP\_024553305.1 BCIN|XP\_024553339.1 BCIN|XP\_024553882.1 CFRU|XP\_031880650.1 CFRU|XP\_031882390.1 CFRU|XP\_031882925.1 CFRU|XP\_031884070.1 CFRU|XP\_031885263.1 CGLO|KAF3797472.1 CGLO|KAF3803400.1 CGLO|KAF3807605.1 CGLO|KAF3807744.1 CGLO|KAF3811132.1 CHIG|XP\_018156330.1 CHIG|XP\_018160370.1 CHIG|XP\_018163016.1 CHIG|XP\_018163932.1 CVIN|KAF4888952.1 CVIN|KAF4918415.1 CVIN|KAF4920541.1 CVIN|KAF4924549.1 CVIN|KAF4928945.1 CVYL|A00854 CVYL|A02877 CVYL|A04289 CVYL|A09898 CVYL|A14330 FGRM|XP\_011317104.1 FGRM|XP\_011319002.1 FGRM|XP\_011321904.1 FGRM|XP\_011321935.1 FGRM|XP\_011325308.1 FGRM|XP\_011326924.1 MGRA|XP\_003857134.1 MORY|QBZ56921.1 MORY|QBZ61469.1 NCRA|XP\_956425.1 NCRA|XP\_958839.2 NCRA|XP\_964064.3 SSCL|APA10382.1 SSCL|APA13656.1 SSCL|APA15202.1

>Orthogroup129: ANID|CBF74534.1 ANID|CBF78350.1 ANID|CBF83961.1 BCIN|XP\_001545339.1 BCIN|XP\_024548532.1 BCIN|XP\_024549185.1 BGRA|VCU40368.1 CFRU|XP\_031879015.1 CFRU|XP\_031880819.1 CFRU|XP\_031881728.1 CFRU|XP\_031885224.1 CFRU|XP\_031888776.1 CFRU|XP\_031893461.1 CGLO|KAF3797846.1 CGLO|KAF3806942.1 CGLO|KAF3809584.1 CHIG|XP\_018151553.1 CHIG|XP\_018152602.1 CHIG|XP\_018159653.1 CHIG|XP\_018160785.1 CHIG|XP\_018161398.1 CHIG|XP\_018161878.1 CHIG|XP\_018162922.1 CVIN|KAF4908865.1 CVIN|KAF4919155.1 CVIN|KAF4919201.1 CVIN|KAF4920300.1 CVIN|KAF4927783.1 CVYL|A06233 CVYL|A06892 CVYL|A09066 CVYL|A11530 FGRM|XP\_011315837.1 FGRM|XP\_011322441.1 FGRM|XP\_011323199.1 FGRM|XP\_011327680.1 MGRA|XP\_003851101.1 MGRA|XP\_003857356.1 MLAR|XP\_007414013.1 MORY|QBZ57689.1 MORY|QBZ59832.1 MORY|QBZ60134.1 MORY|QBZ61250.1 MORY|QBZ61959.1 NCRA|XP\_958497.1 NCRA|XP\_959690.1 SSCL|APA12095.1

>Orthogroup130: ANID|CBF78959.1 ANID|CBF83553.1 BCIN|XP\_001548479.1 BCIN|XP\_001558280.1 BCIN|XP\_001560194.2 BCIN|XP\_024549070.1 BCIN|XP\_024550704.1 BGRA|VDB91387.1 CFRU|XP\_031878402.1 CFRU|XP\_031880642.1 CFRU|XP\_031880796.1 CFRU|XP\_031889671.1 CGLO|KAF3805974.1 CGLO|KAF3806956.1 CGLO|KAF3809950.1 CGLO|KAF3810734.1 CHIG|XP\_018156675.1 CHIG|XP\_018156677.1 CHIG|XP\_018159639.1 CHIG|XP\_018162594.1 CHIG|XP\_018163118.1 CVIN|KAF4917807.1 CVIN|KAF4919175.1 CVIN|KAF4930743.1 CVIN|KAF4932091.1 CVYL|A01673 CVYL|A06245 CVYL|A07218 CVYL|A13747 FGRM|XP\_011318390.1 FGRM|XP\_011319307.1 FGRM|XP\_011322707.1 MGRA|XP\_003847935.1 MGRA|XP\_003849611.1 MGRA|XP\_003856600.1 MGRA|XP\_003856949.1 MLAR|XP\_007415574.1 MORY|QBZ58134.1 MORY|QBZ62251.1 MORY|QBZ65171.1 NCRA|XP\_011393608.1 NCRA|XP\_958412.2 SSCL|APA11538.1 SSCL|APA13673.1 SSCL|APA13826.1 SSCL|APA15858.1 SSCL|APA15893.1

>Orthogroup131: ANID|CBF81936.1 ANID|CBF84391.1 BCIN|XP\_001547670.1 BCIN|XP\_001550329.2 BCIN|XP\_024550944.1 BCIN|XP\_024551312.1 CFRU|XP\_031878155.1 CFRU|XP\_031878560.1 CFRU|XP\_031878606.1 CFRU|XP\_031879434.1 CFRU|XP\_031880106.1 CFRU|XP\_031883871.1 CFRU|XP\_031884857.1 CFRU|XP\_031890083.1 CGLO|KAF3798448.1 CGLO|KAF3798480.1 CGLO|KAF3798744.1 CGLO|KAF3799654.1 CGLO|KAF3801858.1 CGLO|KAF3805049.1 CGLO|KAF3811802.1 CGLO|KAF3812174.1 CHIG|XP\_018151751.1 CHIG|XP\_018153396.1 CHIG|XP\_018159374.1 CVIN|KAF4901938.1 CVIN|KAF4917466.1 CVIN|KAF4918755.1 CVIN|KAF4922194.1 CVIN|KAF4924874.1 CVYL|A00216 CVYL|A06508 CVYL|A12806 CVYL|A12849 CVYL|A13517 FGRM|XP\_011322931.1 FGRM|XP\_011324282.1 FGRM|XP\_011327501.1 MGRA|XP\_003852830.1 MGRA|XP\_003854300.1 MORY|QBZ53456.1 MORY|QBZ54441.1 NCRA|XP\_958745.1 NCRA|XP\_963311.2 SSCL|APA05876.1 SSCL|APA10010.1 SSCL|APA11716.1

>Orthogroup132: ANID|CBF88914.1 BCIN|XP\_001546453.1 CFRU|XP\_031875896.1 CFRU|XP\_031879493.1 CFRU|XP\_031879916.1 CFRU|XP\_031881489.1 CFRU|XP\_031883484.1 CFRU|XP\_031888697.1 CFRU|XP\_031890895.1 CFRU|XP\_031892535.1 CGLO|KAF3797056.1 CGLO|KAF3799009.1 CGLO|KAF3802435.1 CGLO|KAF3804300.1 CGLO|KAF3805801.1 CGLO|KAF3807822.1 CGLO|KAF3811764.1 CGLO|KAF3811937.1 CHIG|XP\_018152915.1 CHIG|XP\_018154156.1 CHIG|XP\_018159599.1 CHIG|XP\_018162989.1 CVIN|KAF4890319.1 CVIN|KAF4908006.1 CVIN|KAF4908648.1 CVIN|KAF4920111.1 CVIN|KAF4920935.1 CVIN|KAF4921533.1 CVYL|A00790 CVYL|A03982 CVYL|A06021 CVYL|A06129 CVYL|A10648 CVYL|A13578 FGRM|XP\_011321589.1 FGRM|XP\_011321837.1 FGRM|XP\_011322423.1 FGRM|XP\_011323339.1 FGRM|XP\_011323391.1 FGRM|XP\_011323530.1 MGRA|XP\_003855288.1 MGRA|XP\_003856173.1 MORY|QBZ59333.1 MORY|QBZ61716.1 NCRA|XP\_001727984.2 SSCL|APA08278.1 SSCL|APA13744.1

>Orthogroup133: BCIN|XP\_024552368.1 BGRA|VCU40389.1 CFRU|XP\_031876676.1 CFRU|XP\_031880641.1 CFRU|XP\_031884173.1 CFRU|XP\_031890925.1 CFRU|XP\_031891105.1 CFRU|XP\_031893499.1 CGLO|KAF3800857.1 CGLO|KAF3801482.1 CGLO|KAF3801916.1 CGLO|KAF3803762.1 CGLO|KAF3809949.1 CGLO|KAF3811743.1 CHIG|XP\_018150837.1 CHIG|XP\_018151807.1 CHIG|XP\_018151907.1 CHIG|XP\_018153158.1 CHIG|XP\_018159421.1 CHIG|XP\_018161530.1 CVIN|KAF4915562.1 CVIN|KAF4917892.1 CVIN|KAF4918694.1 CVIN|KAF4922992.1 CVIN|KAF4930742.1 CVYL|A01674 CVYL|A02354 CVYL|A11096 CVYL|A12647 CVYL|A12758 CVYL|A14142 FGRM|XP\_011319797.1 MLAR|XP\_007405821.1 MLAR|XP\_007406343.1 MLAR|XP\_007406344.1 MLAR|XP\_007407076.1 MLAR|XP\_007412523.1 MLAR|XP\_007413889.1 MLAR|XP\_007413890.1 MLAR|XP\_007413891.1 MLAR|XP\_007416261.1 MORY|QBZ59804.1 MORY|QBZ60282.1 MORY|QBZ64201.1 MORY|QBZ65172.1 NCRA|XP\_965647.2 SSCL|APA13230.1

>Orthogroup134: ANID|CBF70352.1 ANID|CBF73965.1 ANID|CBF80419.1 ANID|CBF82272.1 ANID|CBF85559.1 ANID|CBF87267.1 BCIN|XP\_024545900.1 BCIN|XP\_024546641.1 CFRU|XP\_031877274.1 CFRU|XP\_031877359.1 CFRU|XP\_031883509.1 CFRU|XP\_031888838.1 CFRU|XP\_031889158.1 CFRU|XP\_031890072.1 CGLO|KAF3799864.1 CGLO|KAF3802821.1 CGLO|KAF3804226.1 CGLO|KAF3811929.1 CHIG|XP\_018153797.1 CHIG|XP\_018156538.1 CHIG|XP\_018158005.1 CHIG|XP\_018158164.1 CHIG|XP\_018158165.1 CHIG|XP\_018158300.1 CHIG|XP\_018159138.1 CHIG|XP\_018160074.1 CHIG|XP\_018161953.1 CHIG|XP\_018164821.1 CVIN|KAF4894123.1 CVIN|KAF4908659.1 CVIN|KAF4921703.1 CVIN|KAF4930179.1 CVYL|A00952 CVYL|A02442 CVYL|A02443 CVYL|A03918 CVYL|A06136 CVYL|A09653 CVYL|A12424 FGRM|XP\_011315648.1 FGRM|XP\_011317659.1 FGRM|XP\_011320985.1 FGRM|XP\_011325124.1 MORY|QBZ63365.1 MORY|QBZ64313.1 SSCL|APA15879.1

>Orthogroup135: ANID|CBF71525.1 ANID|CBF74681.1 ANID|CBF76715.1 ANID|CBF83169.1 ANID|CBF84393.1 ANID|CBF86693.1 ANID|CBF87142.1 BCIN|XP\_024547453.1 BCIN|XP\_024549614.1 BCIN|XP\_024551888.1 BGRA|VCU39914.1 BGRA|VDB90341.1 CFRU|XP\_031878897.1 CFRU|XP\_031883671.1 CFRU|XP\_031890749.1 CFRU|XP\_031893516.1 CGLO|KAF3800231.1 CGLO|KAF3807899.1 CGLO|KAF3809593.1 CGLO|KAF3811724.1 CHIG|XP\_018152597.1 CHIG|XP\_018155075.1 CHIG|XP\_018159769.1 CHIG|XP\_018160786.1 CHIG|XP\_018163068.1 CVIN|KAF4915248.1 CVIN|KAF4919205.1 CVIN|KAF4921799.1 CVIN|KAF4922977.1 CVYL|A00715 CVYL|A08442 CVYL|A12406 CVYL|A12741 FGRM|XP\_011318370.1 FGRM|XP\_011320794.1 FGRM|XP\_011320946.1 FGRM|XP\_011321156.1 FGRM|XP\_011323697.1 FGRM|XP\_011327268.1 MGRA|XP\_003849935.1 MGRA|XP\_003855503.1 MORY|QBZ65639.1 NCRA|XP\_958515.2 SSCL|APA06225.1 SSCL|APA13991.1 SSCL|APA15995.1

>Orthogroup136: ANID|CBF73650.1 ANID|CBF75136.1 ANID|CBF77551.1 ANID|CBF87158.1 BCIN|XP\_024545925.1 BCIN|XP\_024547656.1 BGRA|VCU38850.1 CFRU|XP\_031880487.1 CFRU|XP\_031881676.1 CFRU|XP\_031883599.1 CFRU|XP\_031887095.1 CFRU|XP\_031888822.1 CGLO|KAF3807449.1 CGLO|KAF3810819.1 CGLO|KAF3811340.1 CGLO|KAF3811581.1 CHIG|XP\_018154974.1 CHIG|XP\_018156780.1 CHIG|XP\_018160598.1 CHIG|XP\_018160846.1 CVIN|KAF4899853.1 CVIN|KAF4914888.1 CVIN|KAF4918393.1 CVIN|KAF4918531.1 CVIN|KAF4927211.1 CVYL|A02007 CVYL|A03432 CVYL|A03859 CVYL|A04522 CVYL|A10957 FGRM|XP\_011317652.1 FGRM|XP\_011321985.1 FGRM|XP\_011323466.1 FGRM|XP\_011323846.1 MGRA|XP\_003847750.1 MGRA|XP\_003848175.1 MGRA|XP\_003854788.1 MGRA|XP\_003855943.1 MLAR|XP\_007407154.1 MLAR|XP\_007412606.1 MORY|QBZ58222.1 MORY|QBZ63441.1 NCRA|XP\_001728310.2 NCRA|XP\_961900.1 SSCL|APA07339.1 SSCL|APA07741.1

>Orthogroup137: ANID|CBF74597.1 ANID|CBF75574.1 ANID|CBF87107.1 ANID|CBF88868.1 BCIN|XP\_001545487.1 BCIN|XP\_024548132.1 BCIN|XP\_024550246.1 BCIN|XP\_024551762.1 BCIN|XP\_024552440.1 BCIN|XP\_024554067.1 CFRU|XP\_031875807.1 CFRU|XP\_031880008.1 CFRU|XP\_031887059.1 CFRU|XP\_031888991.1 CFRU|XP\_031891430.1 CFRU|XP\_031891505.1 CFRU|XP\_031892027.1 CGLO|KAF3799288.1 CGLO|KAF3801439.1 CGLO|KAF3801783.1 CGLO|KAF3804647.1 CGLO|KAF3804734.1 CGLO|KAF3806741.1 CGLO|KAF3808045.1 CGLO|KAF3811211.1 CHIG|XP\_018151314.1 CHIG|XP\_018159287.1 CHIG|XP\_018159874.1 CHIG|XP\_018161720.1 CVIN|KAF4913900.1 CVIN|KAF4916997.1 CVIN|KAF4922341.1 CVIN|KAF4923366.1 CVIN|KAF4924787.1 CVYL|A03529 CVYL|A05238 CVYL|A07645 CVYL|A12925 FGRM|XP\_011323690.1 FGRM|XP\_011327389.1 FGRM|XP\_011328278.1 MGRA|XP\_003854718.1 MLAR|XP\_007404451.1 MORY|QBZ59771.1 SSCL|APA05325.1 SSCL|APA15000.1

>Orthogroup138: ANID|CBF81021.1 ANID|CBF89371.1 BCIN|XP\_001550707.1 BCIN|XP\_001555330.1 BCIN|XP\_024550696.1 CFRU|XP\_031884060.1 CFRU|XP\_031884252.1 CFRU|XP\_031885726.1 CFRU|XP\_031889510.1 CFRU|XP\_031892088.1 CGLO|KAF3799997.1 CGLO|KAF3800119.1 CGLO|KAF3804994.1 CGLO|KAF3805898.1 CGLO|KAF3810033.1 CHIG|XP\_018153042.1 CHIG|XP\_018157740.1 CHIG|XP\_018158912.1 CHIG|XP\_018163524.1 CHIG|XP\_018165056.1 CVIN|KAF4917949.1 CVIN|KAF4920797.1 CVIN|KAF4925806.1 CVIN|KAF4926915.1 CVIN|KAF4927127.1 CVYL|A02622 CVYL|A06556 CVYL|A06807 CVYL|A10213 FGRM|XP\_011316255.1 MGRA|XP\_003852232.1 MLAR|XP\_007415254.1 MLAR|XP\_007415255.1 MLAR|XP\_007415325.1 MLAR|XP\_007416070.1 MLAR|XP\_007419683.1 MORY|QBZ54144.1 MORY|QBZ59851.1 MORY|QBZ65195.1 NCRA|XP\_956431.1 NCRA|XP\_957090.1 NCRA|XP\_957642.2 NCRA|XP\_962498.1 SSCL|APA08612.1 SSCL|APA11530.1 SSCL|APA15366.1

>Orthogroup139: ANID|CBF84467.1 ANID|CBF84576.1 ANID|CBF89610.1 BCIN|XP\_024548393.1 BCIN|XP\_024549349.1 BCIN|XP\_024549382.1 BCIN|XP\_024553443.1 CFRU|XP\_031877041.1 CFRU|XP\_031877931.1 CFRU|XP\_031880116.1 CFRU|XP\_031884103.1 CFRU|XP\_031889591.1 CGLO|KAF3799994.1 CGLO|KAF3810463.1 CGLO|KAF3810955.1 CGLO|KAF3811118.1 CGLO|KAF3811792.1 CHIG|XP\_018152932.1 CHIG|XP\_018153035.1 CHIG|XP\_018154884.1 CHIG|XP\_018159193.1 CVIN|KAF4905162.1 CVIN|KAF4907252.1 CVIN|KAF4924613.1 CVIN|KAF4924921.1 CVIN|KAF4926913.1 CVYL|A02193 CVYL|A07970 CVYL|A10209 CVYL|A12797 CVYL|A14064 FGRM|XP\_011317849.1 FGRM|XP\_011321171.1 FGRM|XP\_011321779.1 FGRM|XP\_011322655.1 FGRM|XP\_011323749.1 MGRA|XP\_003849497.1 MGRA|XP\_003854012.1 MORY|QBZ53446.1 MORY|QBZ63151.1 MORY|QBZ64116.1 NCRA|XP\_960645.1 NCRA|XP\_964938.1 SSCL|APA09034.1 SSCL|APA13856.1 SSCL|APA15783.1

>Orthogroup140: ANID|CBF87091.1 BCIN|XP\_001554560.1 BCIN|XP\_001560195.1 BCIN|XP\_024547563.1 BCIN|XP\_024549183.1 BGRA|VCU40901.1 CFRU|XP\_031878928.1 CFRU|XP\_031880911.1 CFRU|XP\_031889575.1 CFRU|XP\_031890061.1 CFRU|XP\_031891182.1 CFRU|XP\_031893235.1 CGLO|KAF3798762.1 CGLO|KAF3800808.1 CGLO|KAF3804741.1 CGLO|KAF3806935.1 CGLO|KAF3807854.1 CGLO|KAF3810576.1 CHIG|XP\_018151254.1 CHIG|XP\_018159029.1 CHIG|XP\_018163046.1 CVIN|KAF4903558.1 CVIN|KAF4912776.1 CVIN|KAF4914230.1 CVIN|KAF4919182.1 CVIN|KAF4922503.1 CVIN|KAF4922603.1 CVYL|A00757 CVYL|A05379 CVYL|A06227 CVYL|A08743 CVYL|A09158 CVYL|A13655 FGRM|XP\_011321041.1 FGRM|XP\_011324389.1 MGRA|XP\_003850136.1 MGRA|XP\_003851389.1 MGRA|XP\_003852366.1 MGRA|XP\_003855991.1 MLAR|XP\_007410664.1 MLAR|XP\_007416103.1 MORY|QBZ59034.1 NCRA|XP\_960900.3 SSCL|APA11911.1 SSCL|APA15023.1 SSCL|APA15709.1

>Orthogroup141: BCIN|XP\_001547159.1 BCIN|XP\_001547732.2 BCIN|XP\_001553490.1 BCIN|XP\_024549497.1 BCIN|XP\_024553142.1 CFRU|XP\_031878516.1 CFRU|XP\_031879001.1 CFRU|XP\_031884008.1 CFRU|XP\_031884553.1 CFRU|XP\_031885712.1 CGLO|KAF3799802.1 CGLO|KAF3805020.1 CGLO|KAF3810150.1 CGLO|KAF3810318.1 CHIG|XP\_018150948.1 CHIG|XP\_018157982.1 CHIG|XP\_018158341.1 CHIG|XP\_018162978.1 CHIG|XP\_018163500.1 CVIN|KAF4891715.1 CVIN|KAF4892663.1 CVIN|KAF4894262.1 CVIN|KAF4927095.1 CVIN|KAF4929100.1 CVYL|A00775 CVYL|A02740 CVYL|A04791 CVYL|A05785 CVYL|A06531 FGRM|XP\_011316494.1 FGRM|XP\_011316495.1 FGRM|XP\_011319679.1 FGRM|XP\_011321566.1 MGRA|XP\_003851544.1 MGRA|XP\_003855273.1 MORY|QBZ55158.1 MORY|QBZ55171.1 MORY|QBZ60699.1 MORY|QBZ62023.1 MORY|QBZ65259.1 NCRA|XP\_956657.1 NCRA|XP\_958729.1 NCRA|XP\_958730.1 SSCL|APA05380.1 SSCL|APA08929.1 SSCL|APA13322.1

>Orthogroup142: ANID|CBF71114.1 ANID|CBF90341.1 BCIN|XP\_001553032.1 CFRU|XP\_031879332.1 CFRU|XP\_031882405.1 CFRU|XP\_031884753.1 CFRU|XP\_031888011.1 CFRU|XP\_031888162.1 CFRU|XP\_031890934.1 CGLO|KAF3801007.1 CGLO|KAF3801562.1 CGLO|KAF3802101.1 CGLO|KAF3807528.1 CGLO|KAF3808653.1 CHIG|XP\_018151985.1 CHIG|XP\_018154123.1 CHIG|XP\_018156409.1 CHIG|XP\_018158154.1 CHIG|XP\_018161857.1 CVIN|KAF4912989.1 CVIN|KAF4914255.1 CVIN|KAF4917991.1 CVIN|KAF4921093.1 CVIN|KAF4926194.1 CVIN|KAF4928876.1 CVYL|A02957 CVYL|A03290 CVYL|A03376 CVYL|A05899 CVYL|A11878 CVYL|A12572 FGRM|XP\_011318602.1 FGRM|XP\_011321641.1 FGRM|XP\_011321857.1 FGRM|XP\_011323212.1 MGRA|XP\_003849920.1 MORY|QBZ55217.1 MORY|QBZ61307.1 MORY|QBZ61904.1 MORY|QBZ63657.1 MORY|QBZ65235.1 NCRA|XP\_957508.1 NCRA|XP\_959407.1 NCRA|XP\_960049.1 SSCL|APA11270.1

>Orthogroup143: ANID|CBF71426.1 ANID|CBF78842.1 BCIN|XP\_001561195.1 BCIN|XP\_024549498.1 BCIN|XP\_024552380.1 CFRU|XP\_031876840.1 CFRU|XP\_031877454.1 CFRU|XP\_031879547.1 CFRU|XP\_031879643.1 CFRU|XP\_031880895.1 CFRU|XP\_031884824.1 CFRU|XP\_031890160.1 CGLO|KAF3797974.1 CGLO|KAF3798445.1 CGLO|KAF3801048.1 CGLO|KAF3802728.1 CGLO|KAF3802748.1 CGLO|KAF3802849.1 CHIG|XP\_018159617.1 CHIG|XP\_018159787.1 CVIN|KAF4890511.1 CVIN|KAF4910476.1 CVIN|KAF4910779.1 CVIN|KAF4914944.1 CVIN|KAF4918771.1 CVIN|KAF4920022.1 CVYL|A00333 CVYL|A05164 CVYL|A06263 CVYL|A08051 CVYL|A08072 CVYL|A08073 CVYL|A08380 CVYL|A11194 FGRM|XP\_011317883.1 FGRM|XP\_011322122.1 FGRM|XP\_011322678.1 FGRM|XP\_011322777.1 MGRA|XP\_003850422.1 MGRA|XP\_003852307.1 MORY|QBZ54763.1 MORY|QBZ57542.1 MORY|QBZ60181.1 NCRA|XP\_961743.3 SSCL|APA13318.1

>Orthogroup144: ANID|CBF80149.1 ANID|CBF81244.1 ANID|CBF82319.1 BCIN|XP\_001556044.2 BCIN|XP\_001559546.1 BCIN|XP\_024546007.1 BCIN|XP\_024546161.1 BCIN|XP\_024551903.1 BCIN|XP\_024552396.1 CFRU|XP\_031876811.1 CFRU|XP\_031881990.1 CFRU|XP\_031890689.1 CFRU|XP\_031891801.1 CFRU|XP\_031892269.1 CFRU|XP\_031892613.1 CGLO|KAF3797125.1 CGLO|KAF3797963.1 CGLO|KAF3801254.1 CGLO|KAF3806110.1 CGLO|KAF3806747.1 CGLO|KAF3809762.1 CHIG|XP\_018153375.1 CHIG|XP\_018157090.1 CHIG|XP\_018158723.1 CHIG|XP\_018160187.1 CHIG|XP\_018164549.1 CVIN|KAF4896764.1 CVIN|KAF4896909.1 CVIN|KAF4902339.1 CVIN|KAF4914951.1 CVIN|KAF4919511.1 CVIN|KAF4921933.1 CVYL|A06683 CVYL|A07403 CVYL|A07836 CVYL|A10577 CVYL|A11236 CVYL|A14059 FGRM|XP\_011318277.1 FGRM|XP\_011321371.1 MGRA|XP\_003856968.1 MORY|QBZ61780.1 SSCL|APA07322.1 SSCL|APA13302.1 SSCL|APA13955.1

>Orthogroup145: MLAR|XP\_007403520.1 MLAR|XP\_007403730.1 MLAR|XP\_007403952.1 MLAR|XP\_007404153.1 MLAR|XP\_007405438.1 MLAR|XP\_007405803.1 MLAR|XP\_007405804.1 MLAR|XP\_007406576.1 MLAR|XP\_007406756.1 MLAR|XP\_007406780.1 MLAR|XP\_007406995.1 MLAR|XP\_007409015.1 MLAR|XP\_007409016.1 MLAR|XP\_007409710.1 MLAR|XP\_007409830.1 MLAR|XP\_007409915.1 MLAR|XP\_007409988.1 MLAR|XP\_007410371.1 MLAR|XP\_007411248.1 MLAR|XP\_007411428.1 MLAR|XP\_007411561.1 MLAR|XP\_007411665.1 MLAR|XP\_007411908.1 MLAR|XP\_007412098.1 MLAR|XP\_007412739.1 MLAR|XP\_007413175.1 MLAR|XP\_007414384.1 MLAR|XP\_007414432.1 MLAR|XP\_007415089.1 MLAR|XP\_007415437.1 MLAR|XP\_007415438.1 MLAR|XP\_007416518.1 MLAR|XP\_007416708.1 MLAR|XP\_007416923.1 MLAR|XP\_007417694.1 MLAR|XP\_007417775.1 MLAR|XP\_007418142.1 MLAR|XP\_007418739.1 MLAR|XP\_007418943.1 MLAR|XP\_007419011.1 MLAR|XP\_007419012.1 MLAR|XP\_007419183.1 MLAR|XP\_007419312.1 MLAR|XP\_007419410.1 MLAR|XP\_007419587.1

>Orthogroup146: ANID|CBF73562.1 BCIN|XP\_001560457.2 BCIN|XP\_024551397.1 CFRU|XP\_031876821.1 CFRU|XP\_031878397.1 CFRU|XP\_031884068.1 CFRU|XP\_031884546.1 CFRU|XP\_031886117.1 CFRU|XP\_031890297.1 CGLO|KAF3797976.1 CGLO|KAF3802865.1 CGLO|KAF3805685.1 CGLO|KAF3810362.1 CGLO|KAF3810779.1 CGLO|KAF3810835.1 CHIG|XP\_018155251.1 CHIG|XP\_018155362.1 CHIG|XP\_018158019.1 CHIG|XP\_018158361.1 CHIG|XP\_018162534.1 CVIN|KAF4911113.1 CVIN|KAF4914945.1 CVIN|KAF4923838.1 CVIN|KAF4932076.1 CVYL|A05148 CVYL|A05619 CVYL|A05750 CVYL|A07171 CVYL|A08379 FGRM|XP\_011316893.1 FGRM|XP\_011317571.1 FGRM|XP\_011320949.1 FGRM|XP\_011322414.1 FGRM|XP\_011322608.1 FGRM|XP\_011327046.1 MGRA|XP\_003849035.1 MGRA|XP\_003849857.1 MLAR|XP\_007404007.1 MLAR|XP\_007410685.1 MLAR|XP\_007416034.1 MORY|QBZ58097.1 NCRA|XP\_963056.1 SSCL|APA10631.1 SSCL|APA15707.1

>Orthogroup147: ANID|CBF73576.1 ANID|CBF74489.1 ANID|CBF78955.1 ANID|CBF81975.1 ANID|CBF82093.1 ANID|CBF87292.1 ANID|CBF87758.1 BCIN|XP\_001550224.1 BCIN|XP\_024546779.1 BCIN|XP\_024550621.1 BCIN|XP\_024552616.1 BCIN|XP\_024553581.1 BCIN|XP\_024553966.1 CFRU|XP\_031879459.1 CFRU|XP\_031880312.1 CFRU|XP\_031882917.1 CFRU|XP\_031884264.1 CFRU|XP\_031892111.1 CGLO|KAF3800058.1 CGLO|KAF3802398.1 CGLO|KAF3803793.1 CGLO|KAF3808993.1 CHIG|XP\_018153123.1 CHIG|XP\_018154689.1 CHIG|XP\_018155254.1 CHIG|XP\_018165006.1 CVIN|KAF4917902.1 CVIN|KAF4918025.1 CVIN|KAF4919321.1 CVIN|KAF4922201.1 CVIN|KAF4923694.1 CVYL|A01413 CVYL|A06757 CVYL|A13541 CVYL|A14165 CVYL|A14228 FGRM|XP\_011317845.1 FGRM|XP\_011320787.1 FGRM|XP\_011320881.1 MORY|QBZ58158.1 MORY|QBZ60135.1 NCRA|XP\_963883.1 SSCL|APA15424.1 SSCL|APA16337.1

>Orthogroup148: ANID|CBF75291.1 ANID|CBF78632.1 ANID|CBF90243.1 BCIN|XP\_001560329.2 BGRA|VCU40597.1 CFRU|XP\_031875929.1 CFRU|XP\_031876129.1 CFRU|XP\_031880097.1 CFRU|XP\_031882991.1 CFRU|XP\_031883855.1 CFRU|XP\_031885916.1 CFRU|XP\_031889948.1 CGLO|KAF3797723.1 CGLO|KAF3800762.1 CGLO|KAF3802902.1 CGLO|KAF3805038.1 CGLO|KAF3805709.1 CGLO|KAF3810298.1 CGLO|KAF3811983.1 CHIG|XP\_018155257.1 CHIG|XP\_018158471.1 CHIG|XP\_018163468.1 CHIG|XP\_018163617.1 CVIN|KAF4907429.1 CVIN|KAF4907629.1 CVIN|KAF4917559.1 CVIN|KAF4919662.1 CVIN|KAF4927144.1 CVIN|KAF4930145.1 CVIN|KAF4930429.1 CVYL|A00442 CVYL|A05111 CVYL|A05525 CVYL|A06513 CVYL|A09838 CVYL|A11428 FGRM|XP\_011316578.1 FGRM|XP\_011321433.1 FGRM|XP\_011326396.1 MGRA|XP\_003856309.1 MLAR|XP\_007412991.1 MORY|QBZ55982.1 NCRA|XP\_011392863.1 SSCL|APA08817.1

>Orthogroup149: ANID|CBF75478.1 ANID|CBF78525.1 ANID|CBF87080.1 BCIN|XP\_024553433.1 CFRU|XP\_031878455.1 CFRU|XP\_031878456.1 CFRU|XP\_031878457.1 CGLO|KAF3798587.1 CGLO|KAF3798588.1 CGLO|KAF3798589.1 CGLO|KAF3798590.1 CGLO|KAF3801032.1 CHIG|XP\_018151833.1 CHIG|XP\_018155491.1 CHIG|XP\_018156769.1 CHIG|XP\_018157750.1 CHIG|XP\_018163400.1 CHIG|XP\_018163494.1 CVIN|KAF4930080.1 CVIN|KAF4930112.1 CVYL|A04854 CVYL|A04855 CVYL|A04857 FGRM|XP\_011318416.1 FGRM|XP\_011325188.1 MGRA|XP\_003847510.1 MGRA|XP\_003847714.1 MGRA|XP\_003848376.1 MGRA|XP\_003848658.1 MGRA|XP\_003852169.1 MGRA|XP\_003852417.1 MGRA|XP\_003853491.1 MORY|QBZ57549.1 MORY|QBZ63464.1 MORY|QBZ65556.1 NCRA|XP\_958119.1 NCRA|XP\_959099.1 NCRA|XP\_959568.1 NCRA|XP\_962743.1 NCRA|XP\_962746.1 SSCL|APA07397.1 SSCL|APA12528.1 SSCL|APA12741.1 SSCL|APA13865.1

>Orthogroup150: ANID|CBF76225.1 ANID|CBF82947.1 ANID|CBF83182.1 BCIN|XP\_024549926.1 CFRU|XP\_031879996.1 CFRU|XP\_031882376.1 CFRU|XP\_031882672.1 CFRU|XP\_031882673.1 CFRU|XP\_031884727.1 CFRU|XP\_031884728.1 CFRU|XP\_031887756.1 CFRU|XP\_031891406.1 CFRU|XP\_031891906.1 CFRU|XP\_031892295.1 CGLO|KAF3797185.1 CGLO|KAF3800449.1 CGLO|KAF3804615.1 CGLO|KAF3805184.1 CGLO|KAF3805185.1 CGLO|KAF3807564.1 CGLO|KAF3809723.1 CGLO|KAF3811632.1 CHIG|XP\_018154880.1 CHIG|XP\_018156373.1 CHIG|XP\_018157770.1 CVIN|KAF4889562.1 CVIN|KAF4905174.1 CVIN|KAF4911889.1 CVIN|KAF4919075.1 CVIN|KAF4928905.1 CVYL|A02918 CVYL|A05264 FGRM|XP\_011318351.1 FGRM|XP\_011318932.1 FGRM|XP\_011319589.1 FGRM|XP\_011323081.1 FGRM|XP\_011325768.1 MGRA|XP\_003854383.1 MORY|QBZ57115.1 MORY|QBZ59754.1 NCRA|XP\_959857.2 NCRA|XP\_961087.3 NCRA|XP\_961522.3 SSCL|APA05262.1

>Orthogroup151: ANID|CBF78208.1 ANID|CBF82171.1 ANID|CBF83124.1 BCIN|XP\_024550736.1 BCIN|XP\_024550764.1 BGRA|VDB91158.1 CFRU|XP\_031875943.1 CFRU|XP\_031884673.1 CFRU|XP\_031888207.1 CFRU|XP\_031888835.1 CFRU|XP\_031891795.1 CFRU|XP\_031892293.1 CGLO|KAF3797188.1 CGLO|KAF3799358.1 CGLO|KAF3799758.1 CGLO|KAF3800054.1 CGLO|KAF3802261.1 CHIG|XP\_018154374.1 CHIG|XP\_018159943.1 CHIG|XP\_018159944.1 CHIG|XP\_018164999.1 CVIN|KAF4910729.1 CVIN|KAF4918954.1 CVIN|KAF4919329.1 CVIN|KAF4920806.1 CVIN|KAF4924399.1 CVYL|A04586 CVYL|A06751 CVYL|A10509 CVYL|A11006 CVYL|A11333 FGRM|XP\_011318252.1 FGRM|XP\_011322168.1 MGRA|XP\_003847787.1 MGRA|XP\_003848157.1 MGRA|XP\_003849331.1 MGRA|XP\_003850817.1 MGRA|XP\_003851234.1 MGRA|XP\_003852310.1 MGRA|XP\_003854939.1 MGRA|XP\_003857473.1 NCRA|XP\_964645.3 SSCL|APA11640.1 SSCL|APA11685.1

>Orthogroup152: ANID|CBF78913.1 CFRU|XP\_031876118.1 CFRU|XP\_031877144.1 CFRU|XP\_031882319.1 CFRU|XP\_031883864.1 CFRU|XP\_031892110.1 CGLO|KAF3800057.1 CGLO|KAF3804018.1 CGLO|KAF3804384.1 CGLO|KAF3805174.1 CGLO|KAF3807367.1 CHIG|XP\_018150929.1 CHIG|XP\_018156848.1 CHIG|XP\_018157666.1 CHIG|XP\_018160164.1 CHIG|XP\_018165007.1 CVIN|KAF4894251.1 CVIN|KAF4919341.1 CVIN|KAF4920082.1 CVIN|KAF4925179.1 CVIN|KAF4927469.1 CVYL|A04080 CVYL|A06577 CVYL|A06756 CVYL|A08786 CVYL|A10863 FGRM|XP\_011320776.1 FGRM|XP\_011326069.1 MGRA|XP\_003847816.1 MGRA|XP\_003848313.1 MGRA|XP\_003851195.1 MGRA|XP\_003851558.1 MORY|QBZ58156.1 MORY|QBZ59117.1 MORY|QBZ59825.1 MORY|QBZ59965.1 MORY|QBZ61968.1 MORY|QBZ64360.1 MORY|QBZ64974.1 MORY|QBZ66329.1 MORY|QBZ66335.1 NCRA|XP\_955868.1 NCRA|XP\_956654.2 NCRA|XP\_964777.3

>Orthogroup153: ANID|CBF80914.1 ANID|CBF84784.1 ANID|CBF84786.1 ANID|CBF86102.1 BCIN|XP\_001557140.1 BCIN|XP\_024547856.1 BCIN|XP\_024548553.1 BGRA|VCU40213.1 BGRA|VCU40809.1 BGRA|VDB94616.1 CFRU|XP\_031877985.1 CFRU|XP\_031885608.1 CFRU|XP\_031890547.1 CGLO|KAF3799612.1 CGLO|KAF3806696.1 CGLO|KAF3810086.1 CHIG|XP\_018153414.1 CHIG|XP\_018154607.1 CHIG|XP\_018157905.1 CHIG|XP\_018158669.1 CVIN|KAF4912751.1 CVIN|KAF4925961.1 CVIN|KAF4926452.1 CVYL|A02680 CVYL|A13474 CVYL|A14001 FGRM|XP\_011316555.1 FGRM|XP\_011316658.1 FGRM|XP\_011328252.1 MGRA|XP\_003848822.1 MGRA|XP\_003852514.1 MGRA|XP\_003857319.1 MLAR|XP\_007410255.1 MLAR|XP\_007411134.1 MLAR|XP\_007416987.1 MORY|QBZ53903.1 MORY|QBZ54302.1 MORY|QBZ62570.1 NCRA|XP\_956567.1 NCRA|XP\_963366.1 NCRA|XP\_964602.3 SSCL|APA08175.1 SSCL|APA08557.1 SSCL|APA10065.1

>Orthogroup154: ANID|CBF71834.1 BCIN|XP\_024550746.1 CFRU|XP\_031877484.1 CFRU|XP\_031878307.1 CFRU|XP\_031882255.1 CFRU|XP\_031887326.1 CFRU|XP\_031888841.1 CFRU|XP\_031889722.1 CFRU|XP\_031890166.1 CFRU|XP\_031890249.1 CFRU|XP\_031890258.1 CGLO|KAF3798095.1 CGLO|KAF3798442.1 CGLO|KAF3802826.1 CGLO|KAF3808109.1 CHIG|XP\_018154221.1 CHIG|XP\_018154230.1 CHIG|XP\_018155763.1 CHIG|XP\_018158143.1 CHIG|XP\_018160012.1 CHIG|XP\_018164884.1 CHIG|XP\_018164887.1 CVIN|KAF4894121.1 CVIN|KAF4905809.1 CVIN|KAF4905811.1 CVIN|KAF4920046.1 CVIN|KAF4927981.1 CVYL|A04004 CVYL|A04006 CVYL|A05187 CVYL|A08125 CVYL|A08265 CVYL|A12431 CVYL|A13774 FGRM|XP\_011318034.1 FGRM|XP\_011327553.1 FGRM|XP\_011327556.1 FGRM|XP\_011328738.1 MORY|QBZ55884.1 MORY|QBZ55887.1 NCRA|XP\_001728179.1 NCRA|XP\_961942.2 SSCL|APA11670.1

>Orthogroup155: ANID|CBF80543.1 BCIN|XP\_001560963.1 BCIN|XP\_024547943.1 BCIN|XP\_024551676.1 BCIN|XP\_024553508.1 BGRA|VDB89490.1 BGRA|VDB91171.1 BGRA|VDB91172.1 CFRU|XP\_031881204.1 CFRU|XP\_031890464.1 CFRU|XP\_031891043.1 CGLO|KAF3801624.1 CGLO|KAF3804929.1 CGLO|KAF3810053.1 CHIG|XP\_018150509.1 CHIG|XP\_018151177.1 CHIG|XP\_018151386.1 CHIG|XP\_018151648.1 CHIG|XP\_018155224.1 CHIG|XP\_018163311.1 CHIG|XP\_018164430.1 CVIN|KAF4916875.1 CVIN|KAF4919409.1 CVIN|KAF4922711.1 CVYL|A02066 CVYL|A02646 CVYL|A12125 CVYL|A12512 FGRM|XP\_011324191.1 FGRM|XP\_011328195.1 MGRA|XP\_003848151.1 MGRA|XP\_003850617.1 MGRA|XP\_003853246.1 MORY|QBZ53477.1 MORY|QBZ56391.1 MORY|QBZ62674.1 NCRA|XP\_958631.3 NCRA|XP\_964823.2 NCRA|XP\_964932.3 SSCL|APA06008.1 SSCL|APA06690.1 SSCL|APA08416.1 SSCL|APA13785.1

>Orthogroup156: MLAR|XP\_007403606.1 MLAR|XP\_007404576.1 MLAR|XP\_007405303.1 MLAR|XP\_007406148.1 MLAR|XP\_007406519.1 MLAR|XP\_007406520.1 MLAR|XP\_007406554.1 MLAR|XP\_007407068.1 MLAR|XP\_007407680.1 MLAR|XP\_007407702.1 MLAR|XP\_007407767.1 MLAR|XP\_007407859.1 MLAR|XP\_007407860.1 MLAR|XP\_007408054.1 MLAR|XP\_007409164.1 MLAR|XP\_007409441.1 MLAR|XP\_007410410.1 MLAR|XP\_007410488.1 MLAR|XP\_007410502.1 MLAR|XP\_007411427.1 MLAR|XP\_007411771.1 MLAR|XP\_007411865.1 MLAR|XP\_007412093.1 MLAR|XP\_007412413.1 MLAR|XP\_007412414.1 MLAR|XP\_007412721.1 MLAR|XP\_007413677.1 MLAR|XP\_007414042.1 MLAR|XP\_007414822.1 MLAR|XP\_007414827.1 MLAR|XP\_007415312.1 MLAR|XP\_007416384.1 MLAR|XP\_007416644.1 MLAR|XP\_007416872.1 MLAR|XP\_007417170.1 MLAR|XP\_007417778.1 MLAR|XP\_007418496.1 MLAR|XP\_007418708.1 MLAR|XP\_007418726.1 MLAR|XP\_007418758.1 MLAR|XP\_007418837.1 MLAR|XP\_007419363.1 MLAR|XP\_007419652.1

>Orthogroup157: ANID|CBF70180.1 ANID|CBF78855.1 ANID|CBF84194.1 ANID|CBF86646.1 ANID|CBF86674.1 BCIN|XP\_024548665.1 BCIN|XP\_024548887.1 CFRU|XP\_031875841.1 CFRU|XP\_031879017.1 CFRU|XP\_031884114.1 CFRU|XP\_031886357.1 CFRU|XP\_031888790.1 CGLO|KAF3799664.1 CGLO|KAF3804183.1 CGLO|KAF3805540.1 CGLO|KAF3806255.1 CGLO|KAF3811012.1 CHIG|XP\_018151072.1 CHIG|XP\_018151233.1 CHIG|XP\_018153030.1 CHIG|XP\_018155392.1 CHIG|XP\_018158223.1 CHIG|XP\_018159419.1 CHIG|XP\_018160017.1 CHIG|XP\_018162085.1 CVIN|KAF4889029.1 CVIN|KAF4918391.1 CVIN|KAF4926899.1 CVIN|KAF4931455.1 CVYL|A05663 CVYL|A09775 FGRM|XP\_011323065.1 FGRM|XP\_011323139.1 FGRM|XP\_011323314.1 FGRM|XP\_011324979.1 MGRA|XP\_003848251.1 MORY|QBZ57979.1 MORY|QBZ58220.1 NCRA|XP\_001728446.2 NCRA|XP\_962207.2 SSCL|APA09404.1 SSCL|APA09928.1

>Orthogroup158: ANID|CBF74975.1 ANID|CBF78035.1 ANID|CBF81473.1 BCIN|XP\_001554380.1 BGRA|VDB93335.1 CFRU|XP\_031878091.1 CFRU|XP\_031879411.1 CFRU|XP\_031885599.1 CFRU|XP\_031885872.1 CFRU|XP\_031890882.1 CFRU|XP\_031892238.1 CFRU|XP\_031892487.1 CGLO|KAF3801160.1 CGLO|KAF3801329.1 CGLO|KAF3801467.1 CGLO|KAF3801851.1 CGLO|KAF3802426.1 CGLO|KAF3809061.1 CHIG|XP\_018151898.1 CHIG|XP\_018154729.1 CHIG|XP\_018155880.1 CHIG|XP\_018159338.1 CVIN|KAF4903832.1 CVIN|KAF4910470.1 CVIN|KAF4910760.1 CVIN|KAF4911064.1 CVIN|KAF4918225.1 CVYL|A01270 CVYL|A02650 CVYL|A05686 CVYL|A07758 CVYL|A12656 CVYL|A12855 CVYL|A13570 FGRM|XP\_011319150.1 FGRM|XP\_011323371.1 MGRA|XP\_003851847.1 MLAR|XP\_007406976.1 MLAR|XP\_007407853.1 MORY|QBZ62463.1 NCRA|XP\_011394658.1 SSCL|APA12371.1

>Orthogroup159: ANID|CBF75892.1 ANID|CBF75912.1 ANID|CBF80305.1 ANID|CBF80593.1 ANID|CBF80765.1 ANID|CBF80770.1 ANID|CBF84668.1 CFRU|XP\_031875947.1 CFRU|XP\_031878854.1 CFRU|XP\_031879109.1 CFRU|XP\_031882274.1 CFRU|XP\_031884557.1 CFRU|XP\_031887362.1 CGLO|KAF3797110.1 CGLO|KAF3798801.1 CGLO|KAF3802624.1 CGLO|KAF3803769.1 CGLO|KAF3804471.1 CGLO|KAF3805703.1 CGLO|KAF3809311.1 CHIG|XP\_018150655.1 CHIG|XP\_018153895.1 CHIG|XP\_018158396.1 CHIG|XP\_018159693.1 CHIG|XP\_018160158.1 CHIG|XP\_018163007.1 CHIG|XP\_018163150.1 CVIN|KAF4905506.1 CVIN|KAF4917914.1 CVIN|KAF4930991.1 CVYL|A01510 CVYL|A01920 CVYL|A04185 FGRM|XP\_011320641.1 FGRM|XP\_011328857.1 MGRA|XP\_003849340.1 MORY|QBZ55880.1 MORY|QBZ57372.1 MORY|QBZ59469.1 MORY|QBZ62307.1 NCRA|XP\_956367.1 NCRA|XP\_963915.3

>Orthogroup160: ANID|CBF78453.1 BCIN|XP\_001559622.1 CFRU|XP\_031878970.1 CFRU|XP\_031881249.1 CFRU|XP\_031881522.1 CFRU|XP\_031891502.1 CFRU|XP\_031891891.1 CGLO|KAF3801323.1 CGLO|KAF3802491.1 CGLO|KAF3804651.1 CGLO|KAF3807921.1 CHIG|XP\_018154797.1 CHIG|XP\_018155859.1 CHIG|XP\_018161708.1 CHIG|XP\_018163058.1 CHIG|XP\_018163636.1 CVIN|KAF4910754.1 CVIN|KAF4913904.1 CVIN|KAF4915242.1 CVIN|KAF4918985.1 CVIN|KAF4926636.1 CVYL|A00698 CVYL|A02083 CVYL|A05234 CVYL|A07763 CVYL|A09828 FGRM|XP\_011319385.1 FGRM|XP\_011326043.1 MGRA|XP\_003850951.1 MGRA|XP\_003850952.1 MLAR|XP\_007406952.1 MLAR|XP\_007414401.1 MLAR|XP\_007415271.1 MLAR|XP\_007415280.1 MLAR|XP\_007415306.1 MORY|QBZ55005.1 MORY|QBZ59911.1 MORY|QBZ65318.1 NCRA|XP\_955817.3 NCRA|XP\_959279.1 NCRA|XP\_960313.1 SSCL|APA09395.1

>Orthogroup161: ANID|CBF84864.1 BCIN|XP\_001558848.1 BGRA|VDB93053.1 CFRU|XP\_031877343.1 CFRU|XP\_031879367.1 CFRU|XP\_031880734.1 CFRU|XP\_031884369.1 CFRU|XP\_031891065.1 CFRU|XP\_031891693.1 CGLO|KAF3799082.1 CGLO|KAF3799907.1 CGLO|KAF3805649.1 CGLO|KAF3808596.1 CGLO|KAF3809008.1 CGLO|KAF3811163.1 CGLO|KAF3811661.1 CHIG|XP\_018151862.1 CHIG|XP\_018153793.1 CHIG|XP\_018159483.1 CHIG|XP\_018161895.1 CVIN|KAF4892836.1 CVIN|KAF4903982.1 CVIN|KAF4918263.1 CVIN|KAF4925687.1 CVIN|KAF4926201.1 CVIN|KAF4931267.1 CVYL|A04324 CVYL|A07549 CVYL|A09614 CVYL|A11446 CVYL|A11547 CVYL|A12690 FGRM|XP\_011322091.1 FGRM|XP\_011325629.1 FGRM|XP\_011327406.1 FGRM|XP\_011327598.1 FGRM|XP\_011328028.1 MGRA|XP\_003850500.1 MORY|QBZ61927.1 NCRA|XP\_958746.1 NCRA|XP\_960250.1 SSCL|APA05996.1

>Orthogroup162: ANID|CBF86829.1 ANID|CBF88885.1 BCIN|XP\_001548661.1 BCIN|XP\_001552206.1 BCIN|XP\_001557149.1 BGRA|VDB92799.1 CFRU|XP\_031882560.1 CFRU|XP\_031886304.1 CFRU|XP\_031887678.1 CGLO|KAF3800474.1 CGLO|KAF3806226.1 CGLO|KAF3807176.1 CHIG|XP\_018152221.1 CHIG|XP\_018161002.1 CHIG|XP\_018162061.1 CVIN|KAF4906665.1 CVIN|KAF4917573.1 CVIN|KAF4931528.1 CVYL|A03581 CVYL|A11816 CVYL|A13237 FGRM|XP\_011321328.1 FGRM|XP\_011323563.1 FGRM|XP\_011324036.1 MGRA|XP\_003849394.1 MGRA|XP\_003851879.1 MLAR|XP\_007403633.1 MLAR|XP\_007404030.1 MLAR|XP\_007407826.1 MLAR|XP\_007412644.1 MLAR|XP\_007414140.1 MLAR|XP\_007417077.1 MLAR|XP\_007418703.1 MORY|QBZ58822.1 MORY|QBZ61544.1 MORY|QBZ62008.1 NCRA|XP\_956002.2 NCRA|XP\_956319.3 NCRA|XP\_956597.1 SSCL|APA13001.1 SSCL|APA15031.1 SSCL|APA15588.1

>Orthogroup163: BCIN|XP\_024550820.1 BCIN|XP\_024550994.1 BCIN|XP\_024551123.1 BCIN|XP\_024551346.1 BCIN|XP\_024553406.1 CFRU|XP\_031882147.1 CFRU|XP\_031883785.1 CFRU|XP\_031886437.1 CFRU|XP\_031889507.1 CFRU|XP\_031890477.1 CFRU|XP\_031891402.1 CFRU|XP\_031891613.1 CGLO|KAF3798725.1 CGLO|KAF3805923.1 CGLO|KAF3805925.1 CGLO|KAF3806345.1 CGLO|KAF3811753.1 CVIN|KAF4899317.1 CVIN|KAF4919079.1 CVYL|A05268 CVYL|A11934 CVYL|A12190 CVYL|A13787 FGRM|XP\_011323333.1 FGRM|XP\_011326458.1 MORY|QBZ57859.1 NCRA|XP\_001728118.2 NCRA|XP\_001728563.1 NCRA|XP\_011393544.1 NCRA|XP\_011393658.1 NCRA|XP\_011394444.1 NCRA|XP\_011394775.1 NCRA|XP\_955901.3 NCRA|XP\_957101.2 NCRA|XP\_958309.2 NCRA|XP\_958461.1 NCRA|XP\_958571.1 NCRA|XP\_960369.1 SSCL|APA11729.1 SSCL|APA11805.1 SSCL|APA13169.1 SSCL|APA14776.1

>Orthogroup164: BGRA|VCU39289.1 BGRA|VCU39307.1 BGRA|VCU39309.1 BGRA|VCU39315.1 BGRA|VCU39332.1 BGRA|VCU39335.1 BGRA|VCU39344.1 BGRA|VCU39347.1 BGRA|VCU39355.1 BGRA|VCU39356.1 BGRA|VCU40921.1 BGRA|VDB86379.1 BGRA|VDB88080.1 BGRA|VDB88084.1 BGRA|VDB88085.1 BGRA|VDB88087.1 BGRA|VDB88088.1 BGRA|VDB88089.1 BGRA|VDB88091.1 BGRA|VDB88093.1 BGRA|VDB88095.1 BGRA|VDB88096.1 BGRA|VDB88097.1 BGRA|VDB88115.1 BGRA|VDB88941.1 BGRA|VDB91050.1 BGRA|VDB91062.1 BGRA|VDB92928.1 BGRA|VDB92937.1 BGRA|VDB93703.1 BGRA|VDB93705.1 BGRA|VDB93706.1 BGRA|VDB93707.1 BGRA|VDB93708.1 BGRA|VDB93724.1 BGRA|VDB93728.1 BGRA|VDB93730.1 BGRA|VDB93732.1 BGRA|VDB93733.1 BGRA|VDB93734.1 BGRA|VDB93735.1 BGRA|VDB93736.1

>Orthogroup165: MLAR|XP\_007403593.1 MLAR|XP\_007403800.1 MLAR|XP\_007404023.1 MLAR|XP\_007406041.1 MLAR|XP\_007407409.1 MLAR|XP\_007407505.1 MLAR|XP\_007407854.1 MLAR|XP\_007407886.1 MLAR|XP\_007408336.1 MLAR|XP\_007408671.1 MLAR|XP\_007408758.1 MLAR|XP\_007409671.1 MLAR|XP\_007409904.1 MLAR|XP\_007410405.1 MLAR|XP\_007410752.1 MLAR|XP\_007411199.1 MLAR|XP\_007411823.1 MLAR|XP\_007412448.1 MLAR|XP\_007412583.1 MLAR|XP\_007413708.1 MLAR|XP\_007413899.1 MLAR|XP\_007413900.1 MLAR|XP\_007414980.1 MLAR|XP\_007415104.1 MLAR|XP\_007415368.1 MLAR|XP\_007415590.1 MLAR|XP\_007415755.1 MLAR|XP\_007416123.1 MLAR|XP\_007416132.1 MLAR|XP\_007416847.1 MLAR|XP\_007417243.1 MLAR|XP\_007417371.1 MLAR|XP\_007417584.1 MLAR|XP\_007417641.1 MLAR|XP\_007417878.1 MLAR|XP\_007417882.1 MLAR|XP\_007418459.1 MLAR|XP\_007418566.1 MLAR|XP\_007419165.1 MLAR|XP\_007419166.1 MLAR|XP\_007419423.1 MLAR|XP\_007419840.1

>Orthogroup166: SSCL|APA05486.1 SSCL|APA05488.1 SSCL|APA05500.1 SSCL|APA05658.1 SSCL|APA05659.1 SSCL|APA06009.1 SSCL|APA06010.1 SSCL|APA06561.1 SSCL|APA06562.1 SSCL|APA07909.1 SSCL|APA07910.1 SSCL|APA08387.1 SSCL|APA08388.1 SSCL|APA08427.1 SSCL|APA08606.1 SSCL|APA08975.1 SSCL|APA09152.1 SSCL|APA09153.1 SSCL|APA09253.1 SSCL|APA09259.1 SSCL|APA09396.1 SSCL|APA10434.1 SSCL|APA10645.1 SSCL|APA10732.1 SSCL|APA10760.1 SSCL|APA10975.1 SSCL|APA11508.1 SSCL|APA11758.1 SSCL|APA12295.1 SSCL|APA12583.1 SSCL|APA13181.1 SSCL|APA13274.1 SSCL|APA13275.1 SSCL|APA14237.1 SSCL|APA14851.1 SSCL|APA14878.1 SSCL|APA14879.1 SSCL|APA15327.1 SSCL|APA15885.1 SSCL|APA15894.1 SSCL|APA16038.1 SSCL|APA16239.1

>Orthogroup167: ANID|CBF70432.1 BCIN|XP\_001547305.1 BCIN|XP\_001559346.1 BCIN|XP\_024546983.1 BGRA|VCU39434.1 CFRU|XP\_031879456.1 CFRU|XP\_031883570.1 CFRU|XP\_031884402.1 CFRU|XP\_031887827.1 CFRU|XP\_031887855.1 CGLO|KAF3799699.1 CGLO|KAF3802071.1 CGLO|KAF3802384.1 CGLO|KAF3811906.1 CHIG|XP\_018154298.1 CHIG|XP\_018154699.1 CHIG|XP\_018155151.1 CHIG|XP\_018157910.1 CHIG|XP\_018161179.1 CVIN|KAF4911835.1 CVIN|KAF4917976.1 CVIN|KAF4919986.1 CVIN|KAF4922171.1 CVYL|A03315 CVYL|A05860 CVYL|A06152 CVYL|A13527 FGRM|XP\_011317285.1 FGRM|XP\_011323158.1 MGRA|XP\_003847833.1 MGRA|XP\_003855798.1 MLAR|XP\_007418810.1 MLAR|XP\_007418811.1 MLAR|XP\_007418818.1 MLAR|XP\_007418821.1 MLAR|XP\_007418827.1 MORY|QBZ64846.1 NCRA|XP\_001728130.2 NCRA|XP\_956467.2 SSCL|APA07879.1 SSCL|APA12536.1

>Orthogroup168: ANID|CBF71440.1 ANID|CBF75862.1 ANID|CBF78998.1 ANID|CBF82052.1 ANID|CBF84899.1 ANID|CBF87348.1 BCIN|XP\_024546852.1 CFRU|XP\_031882081.1 CFRU|XP\_031884634.1 CFRU|XP\_031889643.1 CFRU|XP\_031893537.1 CGLO|KAF3799739.1 CGLO|KAF3806024.1 CGLO|KAF3808111.1 CGLO|KAF3810512.1 CHIG|XP\_018152810.1 CHIG|XP\_018159104.1 CVIN|KAF4899563.1 CVIN|KAF4914574.1 CVIN|KAF4917844.1 CVIN|KAF4920608.1 CVYL|A07488 CVYL|A08123 CVYL|A11353 CVYL|A13593 FGRM|XP\_011317945.1 FGRM|XP\_011321801.1 MGRA|XP\_003847810.1 MGRA|XP\_003847832.1 MGRA|XP\_003848199.1 MGRA|XP\_003848735.1 MGRA|XP\_003852037.1 MGRA|XP\_003853252.1 MGRA|XP\_003856605.1 MGRA|XP\_003857146.1 MGRA|XP\_003857565.1 MORY|QBZ54835.1 MORY|QBZ60888.1 NCRA|XP\_011392832.1 NCRA|XP\_959497.1 SSCL|APA06034.1

>Orthogroup169: ANID|CBF75107.1 ANID|CBF76688.1 ANID|CBF85354.1 ANID|CBF86773.1 BCIN|XP\_001548852.1 BCIN|XP\_001559353.1 BCIN|XP\_024552293.1 CFRU|XP\_031876056.1 CFRU|XP\_031879778.1 CFRU|XP\_031881011.1 CFRU|XP\_031889274.1 CGLO|KAF3798568.1 CGLO|KAF3802000.1 CGLO|KAF3808870.1 CGLO|KAF3809875.1 CHIG|XP\_018154138.1 CHIG|XP\_018159443.1 CHIG|XP\_018161440.1 CVIN|KAF4896683.1 CVIN|KAF4919773.1 CVIN|KAF4930171.1 CVIN|KAF4930719.1 CVYL|A01212 CVYL|A01742 CVYL|A01743 CVYL|A02432 CVYL|A04873 FGRM|XP\_011318149.1 FGRM|XP\_011319438.1 FGRM|XP\_011322494.1 MGRA|XP\_003848683.1 MGRA|XP\_003848741.1 MGRA|XP\_003852623.1 MLAR|XP\_007407051.1 MLAR|XP\_007414153.1 MLAR|XP\_007418576.1 MORY|QBZ59988.1 MORY|QBZ63377.1 SSCL|APA07715.1 SSCL|APA13070.1 SSCL|APA15973.1

>Orthogroup170: ANID|CBF80804.1 BCIN|XP\_001547933.1 BCIN|XP\_024548774.1 BCIN|XP\_024551419.1 CFRU|XP\_031879739.1 CFRU|XP\_031880727.1 CFRU|XP\_031883134.1 CFRU|XP\_031888135.1 CFRU|XP\_031888619.1 CFRU|XP\_031889906.1 CGLO|KAF3798163.1 CGLO|KAF3804192.1 CGLO|KAF3810439.1 CHIG|XP\_018159178.1 CHIG|XP\_018159482.1 CHIG|XP\_018160178.1 CHIG|XP\_018163297.1 CVIN|KAF4919114.1 CVIN|KAF4919626.1 CVIN|KAF4924622.1 CVIN|KAF4931266.1 CVYL|A00455 CVYL|A02472 CVYL|A04323 CVYL|A04954 CVYL|A13834 FGRM|XP\_011318171.1 FGRM|XP\_011325989.1 FGRM|XP\_011327277.1 MGRA|XP\_003847512.1 MGRA|XP\_003852416.1 MGRA|XP\_003852611.1 MGRA|XP\_003855459.1 MGRA|XP\_003857103.1 MGRA|XP\_003857653.1 MORY|QBZ64691.1 NCRA|XP\_965602.3 SSCL|APA06763.1 SSCL|APA09700.1 SSCL|APA11191.1 SSCL|APA15245.1

>Orthogroup171: ANID|CBF83990.1 BCIN|XP\_001560168.1 CFRU|XP\_031878756.1 CFRU|XP\_031879145.1 CFRU|XP\_031880341.1 CFRU|XP\_031888919.1 CFRU|XP\_031889891.1 CFRU|XP\_031890105.1 CFRU|XP\_031891466.1 CFRU|XP\_031892899.1 CGLO|KAF3797575.1 CGLO|KAF3804292.1 CGLO|KAF3804668.1 CGLO|KAF3805959.1 CGLO|KAF3807325.1 CGLO|KAF3809005.1 CGLO|KAF3809603.1 CGLO|KAF3810408.1 CHIG|XP\_018155619.1 CHIG|XP\_018161597.1 CVIN|KAF4893136.1 CVIN|KAF4911882.1 CVIN|KAF4913894.1 CVIN|KAF4919210.1 CVIN|KAF4920136.1 CVIN|KAF4920247.1 CVIN|KAF4923584.1 CVYL|A03977 CVYL|A05215 CVYL|A06358 CVYL|A08439 CVYL|A08969 CVYL|A10811 CVYL|A13762 MGRA|XP\_003853950.1 MLAR|XP\_007417241.1 MLAR|XP\_007417242.1 MORY|QBZ58466.1 MORY|QBZ60130.1 MORY|QBZ63454.1 MORY|QBZ66537.1

>Orthogroup172: ANID|CBF85628.1 BCIN|XP\_001557038.1 BCIN|XP\_024546790.1 BGRA|VDB88312.1 CFRU|XP\_031878585.1 CFRU|XP\_031879222.1 CFRU|XP\_031880099.1 CFRU|XP\_031882859.1 CFRU|XP\_031887289.1 CFRU|XP\_031893371.1 CGLO|KAF3797719.1 CGLO|KAF3803340.1 CGLO|KAF3806656.1 CGLO|KAF3807072.1 CGLO|KAF3809326.1 CGLO|KAF3809683.1 CHIG|XP\_018159742.1 CVIN|KAF4892841.1 CVIN|KAF4917541.1 CVIN|KAF4919027.1 CVIN|KAF4919263.1 CVIN|KAF4923684.1 CVIN|KAF4924192.1 CVIN|KAF4925001.1 CVYL|A01528 CVYL|A03781 CVYL|A06366 CVYL|A09587 CVYL|A11433 CVYL|A12686 CVYL|A14206 FGRM|XP\_011321860.1 FGRM|XP\_011322359.1 FGRM|XP\_011328416.1 MGRA|XP\_003848599.1 MGRA|XP\_003851948.1 MORY|QBZ60242.1 MORY|QBZ61444.1 MORY|QBZ65197.1 SSCL|APA06100.1 SSCL|APA08497.1

>Orthogroup173: CFRU|XP\_031876903.1 CFRU|XP\_031878172.1 CFRU|XP\_031878868.1 CFRU|XP\_031881758.1 CFRU|XP\_031881787.1 CFRU|XP\_031883195.1 CFRU|XP\_031884569.1 CFRU|XP\_031887813.1 CFRU|XP\_031891833.1 CFRU|XP\_031893484.1 CGLO|KAF3799821.1 CGLO|KAF3800702.1 CGLO|KAF3801819.1 CGLO|KAF3802047.1 CGLO|KAF3802591.1 CGLO|KAF3808261.1 CGLO|KAF3809781.1 CGLO|KAF3810345.1 CHIG|XP\_018152942.1 CHIG|XP\_018153799.1 CHIG|XP\_018153836.1 CHIG|XP\_018153837.1 CHIG|XP\_018157632.1 CHIG|XP\_018158790.1 CVIN|KAF4899864.1 CVIN|KAF4900283.1 CVIN|KAF4900998.1 CVIN|KAF4901928.1 CVIN|KAF4907995.1 CVIN|KAF4915175.1 CVIN|KAF4916987.1 CVYL|A00597 CVYL|A03341 CVYL|A06702 CVYL|A11988 CVYL|A12099 CVYL|A12888 CVYL|A13017 FGRM|XP\_011325733.1 FGRM|XP\_011325968.1 FGRM|XP\_011326072.1

>Orthogroup174: MLAR|XP\_007405215.1 MLAR|XP\_007406192.1 MLAR|XP\_007406429.1 MLAR|XP\_007407191.1 MLAR|XP\_007407271.1 MLAR|XP\_007407309.1 MLAR|XP\_007407601.1 MLAR|XP\_007407606.1 MLAR|XP\_007407682.1 MLAR|XP\_007408018.1 MLAR|XP\_007408346.1 MLAR|XP\_007408577.1 MLAR|XP\_007408873.1 MLAR|XP\_007409197.1 MLAR|XP\_007409292.1 MLAR|XP\_007409295.1 MLAR|XP\_007409332.1 MLAR|XP\_007409395.1 MLAR|XP\_007409490.1 MLAR|XP\_007409679.1 MLAR|XP\_007410167.1 MLAR|XP\_007410238.1 MLAR|XP\_007410730.1 MLAR|XP\_007412051.1 MLAR|XP\_007412190.1 MLAR|XP\_007412244.1 MLAR|XP\_007412251.1 MLAR|XP\_007414029.1 MLAR|XP\_007414663.1 MLAR|XP\_007414935.1 MLAR|XP\_007415399.1 MLAR|XP\_007415596.1 MLAR|XP\_007415751.1 MLAR|XP\_007415865.1 MLAR|XP\_007416247.1 MLAR|XP\_007416602.1 MLAR|XP\_007416879.1 MLAR|XP\_007417447.1 MLAR|XP\_007417517.1 MLAR|XP\_007417714.1 MLAR|XP\_007419756.1

>Orthogroup175: ANID|CBF69410.1 ANID|CBF78585.1 ANID|CBF83147.1 BCIN|XP\_024550293.1 BCIN|XP\_024552754.1 CFRU|XP\_031876065.1 CFRU|XP\_031877315.1 CFRU|XP\_031878892.1 CFRU|XP\_031880010.1 CFRU|XP\_031884605.1 CFRU|XP\_031887338.1 CFRU|XP\_031887955.1 CGLO|KAF3798952.1 CGLO|KAF3799749.1 CGLO|KAF3799908.1 CGLO|KAF3801980.1 CGLO|KAF3802112.1 CGLO|KAF3807825.1 CGLO|KAF3809377.1 CHIG|XP\_018151718.1 CHIG|XP\_018152862.1 CHIG|XP\_018153090.1 CHIG|XP\_018161977.1 CVIN|KAF4896773.1 CVIN|KAF4903975.1 CVIN|KAF4912434.1 CVIN|KAF4921503.1 CVIN|KAF4923501.1 CVYL|A00792 CVYL|A02985 CVYL|A03281 CVYL|A07868 FGRM|XP\_011318274.1 FGRM|XP\_011321154.1 FGRM|XP\_011324361.1 FGRM|XP\_011327532.1 MGRA|XP\_003853396.1 MGRA|XP\_003856912.1 MORY|QBZ58638.1 SSCL|APA07496.1

>Orthogroup176: ANID|CBF71034.1 ANID|CBF75022.1 ANID|CBF77968.1 ANID|CBF84719.1 BCIN|XP\_001558483.1 BCIN|XP\_001561340.1 BGRA|VDB89294.1 CFRU|XP\_031878128.1 CFRU|XP\_031880696.1 CFRU|XP\_031881474.1 CGLO|KAF3801823.1 CGLO|KAF3805821.1 CGLO|KAF3809967.1 CHIG|XP\_018159330.1 CHIG|XP\_018161550.1 CHIG|XP\_018163707.1 CVIN|KAF4890772.1 CVIN|KAF4914189.1 CVIN|KAF4920896.1 CVYL|A01655 CVYL|A06002 CVYL|A12884 FGRM|XP\_011319717.1 FGRM|XP\_011320482.1 FGRM|XP\_011322936.1 FGRM|XP\_011327148.1 MGRA|XP\_003850101.1 MGRA|XP\_003850938.1 MGRA|XP\_003857636.1 MLAR|XP\_007413687.1 MLAR|XP\_007415502.1 MLAR|XP\_007415576.1 MLAR|XP\_007417814.1 MLAR|XP\_007417816.1 MORY|QBZ62863.1 MORY|QBZ65416.1 NCRA|XP\_958070.1 NCRA|XP\_965187.1 SSCL|APA06873.1 SSCL|APA14709.1

>Orthogroup177: ANID|CBF71247.1 ANID|CBF71666.1 ANID|CBF86285.1 BCIN|XP\_001553961.1 BCIN|XP\_001557997.1 BGRA|VDB92720.1 CFRU|XP\_031880623.1 CFRU|XP\_031884478.1 CFRU|XP\_031889589.1 CGLO|KAF3799057.1 CGLO|KAF3805216.1 CGLO|KAF3809939.1 CHIG|XP\_018158197.1 CHIG|XP\_018158852.1 CHIG|XP\_018161518.1 CVIN|KAF4907183.1 CVIN|KAF4918275.1 CVIN|KAF4930658.1 CVYL|A01684 CVYL|A11471 CVYL|A13863 FGRM|XP\_011322287.1 FGRM|XP\_011325577.1 FGRM|XP\_011326110.1 FGRM|XP\_011327592.1 MGRA|XP\_003849461.1 MGRA|XP\_003854918.1 MGRA|XP\_003855909.1 MORY|QBZ53946.1 MORY|QBZ55090.1 MORY|QBZ65139.1 MORY|QBZ65830.1 NCRA|XP\_959046.3 NCRA|XP\_959401.1 NCRA|XP\_963208.2 NCRA|XP\_963600.1 NCRA|XP\_963904.2 NCRA|XP\_964015.1 SSCL|APA11084.1 SSCL|APA12701.1

>Orthogroup178: ANID|CBF71556.1 BCIN|XP\_001546018.1 BCIN|XP\_024546674.1 BCIN|XP\_024550613.1 CFRU|XP\_031879285.1 CFRU|XP\_031881139.1 CFRU|XP\_031881193.1 CFRU|XP\_031882598.1 CFRU|XP\_031888869.1 CFRU|XP\_031889460.1 CGLO|KAF3803926.1 CGLO|KAF3808566.1 CGLO|KAF3809869.1 CGLO|KAF3811000.1 CHIG|XP\_018151024.1 CHIG|XP\_018151612.1 CHIG|XP\_018151613.1 CHIG|XP\_018154868.1 CHIG|XP\_018161451.1 CVIN|KAF4906487.1 CVIN|KAF4921845.1 CVIN|KAF4924779.1 CVIN|KAF4925476.1 CVIN|KAF4928324.1 CVIN|KAF4930707.1 CVYL|A01749 CVYL|A02154 CVYL|A04131 CVYL|A08876 CVYL|A11579 FGRM|XP\_011317834.1 FGRM|XP\_011327379.1 MGRA|XP\_003850751.1 MGRA|XP\_003854032.1 MORY|QBZ54925.1 MORY|QBZ59998.1 MORY|QBZ64222.1 MORY|QBZ64254.1 NCRA|XP\_961848.1 SSCL|APA11427.1

>Orthogroup179: ANID|CBF73574.1 BCIN|XP\_001550282.2 BCIN|XP\_024545917.1 BCIN|XP\_024552263.1 BCIN|XP\_024553284.1 BCIN|XP\_024553456.1 BGRA|VCU39182.1 BGRA|VDB83880.1 CFRU|XP\_031890172.1 CFRU|XP\_031892756.1 CGLO|KAF3797198.1 CGLO|KAF3802891.1 CHIG|XP\_018157319.1 CHIG|XP\_018158502.1 CVIN|KAF4913033.1 CVIN|KAF4920828.1 CVYL|A05122 CVYL|A10500 FGRM|XP\_011316580.1 FGRM|XP\_011319942.1 FGRM|XP\_011322233.1 MGRA|XP\_003847663.1 MGRA|XP\_003848541.1 MGRA|XP\_003849136.1 MGRA|XP\_003849296.1 MGRA|XP\_003852302.1 MGRA|XP\_003857657.1 MLAR|XP\_007404555.1 MLAR|XP\_007406412.1 MORY|QBZ55979.1 MORY|QBZ59918.1 MORY|QBZ66114.1 NCRA|XP\_964570.2 NCRA|XP\_964765.1 SSCL|APA07336.1 SSCL|APA09653.1 SSCL|APA12845.1 SSCL|APA13114.1 SSCL|APA13550.1 SSCL|APA13835.1

>Orthogroup180: ANID|CBF73652.1 BCIN|XP\_001550809.2 BCIN|XP\_001558524.1 BCIN|XP\_024552552.1 BGRA|VCU39339.1 CFRU|XP\_031879039.1 CFRU|XP\_031886254.1 CFRU|XP\_031889848.1 CFRU|XP\_031893488.1 CGLO|KAF3798797.1 CGLO|KAF3799068.1 CGLO|KAF3806212.1 CGLO|KAF3808238.1 CGLO|KAF3808333.1 CHIG|XP\_018153970.1 CHIG|XP\_018154252.1 CHIG|XP\_018159002.1 CHIG|XP\_018162204.1 CVIN|KAF4909556.1 CVIN|KAF4919596.1 CVIN|KAF4931569.1 CVYL|A00577 CVYL|A08654 CVYL|A09129 CVYL|A11799 FGRM|XP\_011316221.1 FGRM|XP\_011319591.1 FGRM|XP\_011323213.1 FGRM|XP\_011324142.1 FGRM|XP\_011326025.1 FGRM|XP\_011327642.1 MGRA|XP\_003850975.1 MGRA|XP\_003857799.1 MORY|QBZ63152.1 MORY|QBZ63773.1 NCRA|XP\_011394994.1 NCRA|XP\_957314.2 NCRA|XP\_957758.1 SSCL|APA08649.1 SSCL|APA14680.1

>Orthogroup181: ANID|CBF74017.1 ANID|CBF89994.1 BCIN|XP\_024551825.1 CFRU|XP\_031882815.1 CFRU|XP\_031891096.1 CFRU|XP\_031891473.1 CFRU|XP\_031891575.1 CFRU|XP\_031892765.1 CFRU|XP\_031893369.1 CGLO|KAF3797078.1 CGLO|KAF3797628.1 CGLO|KAF3804502.1 CGLO|KAF3808268.1 CGLO|KAF3809682.1 CGLO|KAF3811756.1 CGLO|KAF3812051.1 CHIG|XP\_018150878.1 CHIG|XP\_018152502.1 CHIG|XP\_018153798.1 CHIG|XP\_018157073.1 CHIG|XP\_018157074.1 CHIG|XP\_018157420.1 CHIG|XP\_018159809.1 CHIG|XP\_018160330.1 CHIG|XP\_018165009.1 CVIN|KAF4890323.1 CVIN|KAF4911377.1 CVIN|KAF4924513.1 CVIN|KAF4925003.1 CVYL|A04217 CVYL|A09588 CVYL|A10631 CVYL|A11072 FGRM|XP\_011323026.1 FGRM|XP\_011323723.1 FGRM|XP\_011325123.1 FGRM|XP\_011325976.1 MORY|QBZ61822.1 MORY|QBZ66344.1 NCRA|XP\_011393289.1

>Orthogroup182: ANID|CBF74873.1 ANID|CBF84828.1 ANID|CBF88582.1 BCIN|XP\_001550696.1 BCIN|XP\_024547860.1 BCIN|XP\_024549393.1 BCIN|XP\_024550023.1 BGRA|VDB92815.1 BGRA|VDB93307.1 BGRA|VDB93308.1 BGRA|VDB94018.1 CFRU|XP\_031886174.1 CFRU|XP\_031887740.1 CFRU|XP\_031890425.1 CGLO|KAF3805274.1 CGLO|KAF3806565.1 CGLO|KAF3807128.1 CHIG|XP\_018157605.1 CHIG|XP\_018158798.1 CHIG|XP\_018160946.1 CVIN|KAF4901296.1 CVIN|KAF4920176.1 CVIN|KAF4920457.1 CVYL|A09304 CVYL|A13925 FGRM|XP\_011316665.1 FGRM|XP\_011323617.1 FGRM|XP\_011327884.1 MGRA|XP\_003855499.1 MGRA|XP\_003857796.1 MORY|QBZ56296.1 MORY|QBZ58912.1 MORY|QBZ60401.1 NCRA|XP\_011394173.1 NCRA|XP\_960558.2 NCRA|XP\_962310.3 NCRA|XP\_964966.1 SSCL|APA05364.1 SSCL|APA09056.1 SSCL|APA09313.1

>Orthogroup183: ANID|CBF76544.1 ANID|CBF76546.1 ANID|CBF80456.1 BCIN|XP\_001550574.1 BCIN|XP\_024547230.1 BGRA|VDB89054.1 CFRU|XP\_031881937.1 CFRU|XP\_031881940.1 CFRU|XP\_031882315.1 CFRU|XP\_031884162.1 CFRU|XP\_031884163.1 CFRU|XP\_031888562.1 CGLO|KAF3797814.1 CGLO|KAF3797870.1 CGLO|KAF3804399.1 CHIG|XP\_018160207.1 CHIG|XP\_018164482.1 CHIG|XP\_018164483.1 CVIN|KAF4911593.1 CVIN|KAF4911594.1 CVIN|KAF4923175.1 CVIN|KAF4930953.1 CVYL|A03044 CVYL|A04095 CVYL|A07332 FGRM|XP\_011322768.1 FGRM|XP\_011325750.1 FGRM|XP\_011327849.1 FGRM|XP\_011327850.1 MGRA|XP\_003853362.1 MLAR|XP\_007405684.1 MLAR|XP\_007409270.1 MLAR|XP\_007409798.1 MLAR|XP\_007409799.1 MORY|QBZ56757.1 MORY|QBZ59002.1 NCRA|XP\_959705.1 NCRA|XP\_959717.3 SSCL|APA14162.1 SSCL|APA14163.1

>Orthogroup184: ANID|CBF78813.1 ANID|CBF79656.1 ANID|CBF80359.1 ANID|CBF87163.1 BCIN|XP\_024549506.1 BCIN|XP\_024550553.1 CFRU|XP\_031880816.1 CFRU|XP\_031883758.1 CFRU|XP\_031884568.1 CFRU|XP\_031886164.1 CFRU|XP\_031892179.1 CFRU|XP\_031893162.1 CGLO|KAF3797468.1 CGLO|KAF3809467.1 CGLO|KAF3810347.1 CGLO|KAF3812004.1 CHIG|XP\_018152706.1 CHIG|XP\_018152707.1 CHIG|XP\_018155589.1 CHIG|XP\_018156644.1 CHIG|XP\_018159674.1 CVIN|KAF4899865.1 CVIN|KAF4918787.1 CVIN|KAF4921286.1 CVIN|KAF4930440.1 CVYL|A05504 CVYL|A05761 CVYL|A06288 CVYL|A10035 FGRM|XP\_011327415.1 MGRA|XP\_003848905.1 MGRA|XP\_003851328.1 MGRA|XP\_003854702.1 MORY|QBZ61774.1 MORY|QBZ61977.1 MORY|QBZ64091.1 NCRA|XP\_958188.1 NCRA|XP\_960204.1 NCRA|XP\_965181.1 SSCL|APA09134.1

>Orthogroup185: ANID|CBF79949.1 ANID|CBF83986.1 ANID|CBF87008.1 BCIN|XP\_001547805.1 BCIN|XP\_024551448.1 BCIN|XP\_024552641.1 BGRA|VCU39966.1 CFRU|XP\_031877793.1 CFRU|XP\_031883224.1 CFRU|XP\_031886194.1 CFRU|XP\_031891363.1 CGLO|KAF3797918.1 CGLO|KAF3805536.1 CGLO|KAF3808172.1 CHIG|XP\_018155386.1 CHIG|XP\_018161602.1 CHIG|XP\_018162443.1 CHIG|XP\_018163243.1 CVIN|KAF4907836.1 CVIN|KAF4916963.1 CVIN|KAF4918305.1 CVIN|KAF4924302.1 CVYL|A00525 CVYL|A05353 CVYL|A05659 CVYL|A07276 FGRM|XP\_011318657.1 FGRM|XP\_011321933.1 FGRM|XP\_011322495.1 FGRM|XP\_011327017.1 MGRA|XP\_003848195.1 MGRA|XP\_003851171.1 MGRA|XP\_003857750.1 MLAR|XP\_007406400.1 MORY|QBZ64058.1 NCRA|XP\_958514.3 NCRA|XP\_961599.1 SSCL|APA10713.1 SSCL|APA15439.1 SSCL|APA15593.1

>Orthogroup186: ANID|CBF83739.1 ANID|CBF86106.1 BCIN|XP\_001547269.1 BCIN|XP\_001550617.2 BCIN|XP\_001553665.1 BCIN|XP\_001556605.2 BCIN|XP\_001558652.1 BCIN|XP\_001559355.1 BCIN|XP\_024549197.1 BCIN|XP\_024550754.1 BCIN|XP\_024551995.1 BCIN|XP\_024552301.1 BCIN|XP\_024552535.1 BCIN|XP\_024553171.1 BCIN|XP\_024553338.1 BCIN|XP\_024554070.1 CFRU|XP\_031881138.1 CFRU|XP\_031891334.1 CGLO|KAF3797398.1 CGLO|KAF3809870.1 CHIG|XP\_018151643.1 CHIG|XP\_018156609.1 CHIG|XP\_018157358.1 CHIG|XP\_018161450.1 CVIN|KAF4929412.1 CVIN|KAF4930706.1 CVYL|A01748 CVYL|A10281 FGRM|XP\_011319622.1 MGRA|XP\_003848603.1 MORY|QBZ55035.1 MORY|QBZ62935.1 NCRA|XP\_955820.1 SSCL|APA05654.1 SSCL|APA06277.1 SSCL|APA07424.1 SSCL|APA07713.1 SSCL|APA08871.1 SSCL|APA11657.1 SSCL|APA15728.1

>Orthogroup187: ANID|CBF86738.1 ANID|CBF87130.1 BCIN|XP\_024546597.1 BCIN|XP\_024547447.1 CFRU|XP\_031878864.1 CFRU|XP\_031879296.1 CFRU|XP\_031880047.1 CFRU|XP\_031884194.1 CFRU|XP\_031892841.1 CGLO|KAF3802572.1 CGLO|KAF3807216.1 CGLO|KAF3808577.1 CGLO|KAF3811025.1 CGLO|KAF3811831.1 CHIG|XP\_018151521.1 CHIG|XP\_018152989.1 CHIG|XP\_018153885.1 CHIG|XP\_018157022.1 CHIG|XP\_018161914.1 CVIN|KAF4905055.1 CVIN|KAF4917608.1 CVIN|KAF4924906.1 CVIN|KAF4928161.1 CVYL|A01860 CVYL|A10699 CVYL|A12832 FGRM|XP\_011315701.1 FGRM|XP\_011320368.1 FGRM|XP\_011322251.1 FGRM|XP\_011322780.1 FGRM|XP\_011323171.1 FGRM|XP\_011327264.1 MORY|QBZ57625.1 MORY|QBZ58611.1 MORY|QBZ59584.1 MORY|QBZ64214.1 MORY|QBZ64330.1 MORY|QBZ66600.1 MORY|QBZ66686.1 SSCL|APA06424.1

>Orthogroup188: ANID|CBF87159.1 BCIN|XP\_024547716.1 BCIN|XP\_024548382.1 BCIN|XP\_024552567.1 CFRU|XP\_031883033.1 CFRU|XP\_031885774.1 CFRU|XP\_031886380.1 CFRU|XP\_031889396.1 CFRU|XP\_031892109.1 CGLO|KAF3800060.1 CGLO|KAF3806368.1 CGLO|KAF3808181.1 CGLO|KAF3810060.1 CHIG|XP\_018152565.1 CHIG|XP\_018162224.1 CHIG|XP\_018163228.1 CVIN|KAF4898728.1 CVIN|KAF4914519.1 CVIN|KAF4919342.1 CVIN|KAF4923243.1 CVIN|KAF4924296.1 CVYL|A00535 CVYL|A02651 CVYL|A06759 CVYL|A11954 CVYL|A11956 FGRM|XP\_011315813.1 FGRM|XP\_011321410.1 FGRM|XP\_011322250.1 FGRM|XP\_011328567.1 MGRA|XP\_003850153.1 MLAR|XP\_007408480.1 MLAR|XP\_007408625.1 MLAR|XP\_007408626.1 MLAR|XP\_007409647.1 MLAR|XP\_007409676.1 MLAR|XP\_007410310.1 MLAR|XP\_007415308.1 NCRA|XP\_957769.1 SSCL|APA08673.1

>Orthogroup189: MLAR|XP\_007403522.1 MLAR|XP\_007404253.1 MLAR|XP\_007404328.1 MLAR|XP\_007405688.1 MLAR|XP\_007405896.1 MLAR|XP\_007407139.1 MLAR|XP\_007407232.1 MLAR|XP\_007407402.1 MLAR|XP\_007407771.1 MLAR|XP\_007407870.1 MLAR|XP\_007407948.1 MLAR|XP\_007408199.1 MLAR|XP\_007408683.1 MLAR|XP\_007408848.1 MLAR|XP\_007408907.1 MLAR|XP\_007409131.1 MLAR|XP\_007409289.1 MLAR|XP\_007409304.1 MLAR|XP\_007409587.1 MLAR|XP\_007411115.1 MLAR|XP\_007411518.1 MLAR|XP\_007412040.1 MLAR|XP\_007412199.1 MLAR|XP\_007412539.1 MLAR|XP\_007413176.1 MLAR|XP\_007413839.1 MLAR|XP\_007413965.1 MLAR|XP\_007414295.1 MLAR|XP\_007414383.1 MLAR|XP\_007415947.1 MLAR|XP\_007416148.1 MLAR|XP\_007416567.1 MLAR|XP\_007416725.1 MLAR|XP\_007418182.1 MLAR|XP\_007418299.1 MLAR|XP\_007418654.1 MLAR|XP\_007418656.1 MLAR|XP\_007418764.1 MLAR|XP\_007419311.1 MLAR|XP\_007419495.1

>Orthogroup190: MLAR|XP\_007403582.1 MLAR|XP\_007403775.1 MLAR|XP\_007403776.1 MLAR|XP\_007404540.1 MLAR|XP\_007404825.1 MLAR|XP\_007404965.1 MLAR|XP\_007405057.1 MLAR|XP\_007405200.1 MLAR|XP\_007405371.1 MLAR|XP\_007405648.1 MLAR|XP\_007405868.1 MLAR|XP\_007407366.1 MLAR|XP\_007407503.1 MLAR|XP\_007407589.1 MLAR|XP\_007407901.1 MLAR|XP\_007408079.1 MLAR|XP\_007408352.1 MLAR|XP\_007410147.1 MLAR|XP\_007410780.1 MLAR|XP\_007411009.1 MLAR|XP\_007411091.1 MLAR|XP\_007411184.1 MLAR|XP\_007412475.1 MLAR|XP\_007412567.1 MLAR|XP\_007413673.1 MLAR|XP\_007413927.1 MLAR|XP\_007414147.1 MLAR|XP\_007414244.1 MLAR|XP\_007414250.1 MLAR|XP\_007414571.1 MLAR|XP\_007414977.1 MLAR|XP\_007415690.1 MLAR|XP\_007415695.1 MLAR|XP\_007416004.1 MLAR|XP\_007417111.1 MLAR|XP\_007418461.1 MLAR|XP\_007418462.1 MLAR|XP\_007418529.1 MLAR|XP\_007419057.1 MLAR|XP\_007419084.1

>Orthogroup191: ANID|CBF69701.1 ANID|CBF77369.1 ANID|CBF82779.1 ANID|CBF82808.1 ANID|CBF82987.1 ANID|CBF86021.1 BCIN|XP\_001553411.1 BCIN|XP\_001554815.1 BCIN|XP\_001560882.2 BCIN|XP\_024546897.1 BCIN|XP\_024548497.1 CFRU|XP\_031875920.1 CFRU|XP\_031882923.1 CFRU|XP\_031885766.1 CGLO|KAF3803401.1 CGLO|KAF3807805.1 CGLO|KAF3810080.1 CHIG|XP\_018157917.1 CHIG|XP\_018158226.1 CHIG|XP\_018163931.1 CVIN|KAF4912743.1 CVIN|KAF4918417.1 CVIN|KAF4921523.1 CVYL|A00799 CVYL|A02676 CVYL|A14331 FGRM|XP\_011321841.1 MGRA|XP\_003851257.1 MGRA|XP\_003854395.1 MGRA|XP\_003857587.1 MORY|QBZ65490.1 MORY|QBZ66476.1 NCRA|XP\_959674.1 NCRA|XP\_964065.2 SSCL|APA05843.1 SSCL|APA08091.1 SSCL|APA10927.1 SSCL|APA12148.1 SSCL|APA15521.1

>Orthogroup192: ANID|CBF70198.1 BCIN|XP\_024553208.1 CFRU|XP\_031880974.1 CFRU|XP\_031883449.1 CFRU|XP\_031890292.1 CFRU|XP\_031890892.1 CFRU|XP\_031891854.1 CGLO|KAF3801491.1 CGLO|KAF3801739.1 CGLO|KAF3802862.1 CGLO|KAF3809808.1 CGLO|KAF3809901.1 CHIG|XP\_018151923.1 CHIG|XP\_018158455.1 CHIG|XP\_018159253.1 CHIG|XP\_018161488.1 CHIG|XP\_018164948.1 CVIN|KAF4899967.1 CVIN|KAF4916385.1 CVIN|KAF4919313.1 CVIN|KAF4922929.1 CVIN|KAF4930645.1 CVYL|A01717 CVYL|A05156 CVYL|A06727 CVYL|A12638 CVYL|A12963 FGRM|XP\_011321808.1 FGRM|XP\_011325310.1 FGRM|XP\_011325796.1 MGRA|XP\_003848300.1 MORY|QBZ57428.1 MORY|QBZ63751.1 MORY|QBZ64986.1 NCRA|XP\_957063.1 NCRA|XP\_959127.1 NCRA|XP\_963215.1 NCRA|XP\_964544.2 SSCL|APA13474.1

>Orthogroup193: ANID|CBF70334.1 ANID|CBF85455.1 ANID|CBF87436.1 BCIN|XP\_001548443.2 BCIN|XP\_024551991.1 BGRA|VCU39945.1 CFRU|XP\_031877152.1 CFRU|XP\_031877977.1 CFRU|XP\_031880639.1 CFRU|XP\_031884505.1 CFRU|XP\_031886504.1 CFRU|XP\_031892063.1 CGLO|KAF3799063.1 CGLO|KAF3801295.1 CGLO|KAF3803971.1 CGLO|KAF3806329.1 CGLO|KAF3811195.1 CHIG|XP\_018150971.1 CHIG|XP\_018154927.1 CHIG|XP\_018158192.1 CHIG|XP\_018164850.1 CVIN|KAF4916370.1 CVIN|KAF4918269.1 CVIN|KAF4921561.1 CVIN|KAF4923933.1 CVIN|KAF4925141.1 CVIN|KAF4931251.1 CVYL|A04359 CVYL|A07792 CVYL|A08830 CVYL|A11464 CVYL|A11917 FGRM|XP\_011318215.1 FGRM|XP\_011322703.1 FGRM|XP\_011323353.1 MORY|QBZ64446.1 NCRA|XP\_965618.1 SSCL|APA09292.1 SSCL|APA12665.1

>Orthogroup194: ANID|CBF71463.1 ANID|CBF73486.1 ANID|CBF82421.1 ANID|CBF86045.1 ANID|CBF88298.1 ANID|CBF89301.1 BCIN|XP\_001560980.1 BCIN|XP\_024547561.1 BGRA|VDB92936.1 CFRU|XP\_031878852.1 CFRU|XP\_031883564.1 CGLO|KAF3802577.1 CGLO|KAF3806756.1 CGLO|KAF3809741.1 CGLO|KAF3810795.1 CHIG|XP\_018151570.1 CHIG|XP\_018155051.1 CHIG|XP\_018155077.1 CHIG|XP\_018156681.1 CHIG|XP\_018161333.1 CVIN|KAF4917597.1 CVIN|KAF4919514.1 CVIN|KAF4921785.1 CVYL|A01866 CVYL|A02025 FGRM|XP\_011317531.1 FGRM|XP\_011319442.1 FGRM|XP\_011327621.1 MGRA|XP\_003848567.1 MORY|QBZ55113.1 MORY|QBZ57676.1 MORY|QBZ57677.1 MORY|QBZ60723.1 MORY|QBZ60762.1 MORY|QBZ65385.1 NCRA|XP\_959323.1 SSCL|APA06702.1 SSCL|APA09954.1 SSCL|APA15018.1

>Orthogroup195: ANID|CBF73605.1 ANID|CBF75008.1 ANID|CBF80285.1 ANID|CBF82799.1 BCIN|XP\_024552378.1 CFRU|XP\_031879429.1 CFRU|XP\_031879883.1 CFRU|XP\_031883187.1 CFRU|XP\_031884869.1 CFRU|XP\_031888039.1 CFRU|XP\_031889622.1 CGLO|KAF3798940.1 CGLO|KAF3800713.1 CGLO|KAF3802046.1 CGLO|KAF3802439.1 CGLO|KAF3810551.1 CGLO|KAF3812173.1 CHIG|XP\_018152866.1 CHIG|XP\_018153397.1 CHIG|XP\_018154738.1 CHIG|XP\_018163266.1 CVIN|KAF4898132.1 CVIN|KAF4899754.1 CVIN|KAF4910495.1 CVIN|KAF4913909.1 CVIN|KAF4918754.1 CVIN|KAF4919729.1 CVYL|A00217 CVYL|A00490 CVYL|A03342 CVYL|A07857 CVYL|A13582 CVYL|A13627 FGRM|XP\_011320504.1 MGRA|XP\_003854453.1 MORY|QBZ65657.1 MORY|QBZ66386.1 NCRA|XP\_956060.1 SSCL|APA13211.1

>Orthogroup196: ANID|CBF74060.1 ANID|CBF76157.1 ANID|CBF88175.1 BCIN|XP\_024548187.1 BCIN|XP\_024553148.1 CFRU|XP\_031876080.1 CFRU|XP\_031880730.1 CFRU|XP\_031881133.1 CFRU|XP\_031882711.1 CFRU|XP\_031889006.1 CFRU|XP\_031891618.1 CGLO|KAF3797932.1 CGLO|KAF3801999.1 CGLO|KAF3803350.1 CGLO|KAF3809898.1 CGLO|KAF3811160.1 CHIG|XP\_018154199.1 CHIG|XP\_018159439.1 CHIG|XP\_018159440.1 CHIG|XP\_018160349.1 CHIG|XP\_018160350.1 CVIN|KAF4907831.1 CVIN|KAF4915967.1 CVIN|KAF4919762.1 CVIN|KAF4930643.1 CVIN|KAF4931271.1 CVYL|A01719 CVYL|A04320 CVYL|A05366 CVYL|A14276 FGRM|XP\_011320552.1 FGRM|XP\_011321734.1 FGRM|XP\_011323269.1 MGRA|XP\_003853603.1 MGRA|XP\_003853911.1 MORY|QBZ58019.1 MORY|QBZ60389.1 NCRA|XP\_961194.1 SSCL|APA13327.1

>Orthogroup197: ANID|CBF74189.1 ANID|CBF79204.1 ANID|CBF82591.1 BCIN|XP\_001548641.1 BCIN|XP\_024546939.1 BCIN|XP\_024548867.1 BGRA|VDB84107.1 CFRU|XP\_031880932.1 CFRU|XP\_031882036.1 CFRU|XP\_031883503.1 CFRU|XP\_031890419.1 CGLO|KAF3804800.1 CGLO|KAF3806090.1 CGLO|KAF3806913.1 CGLO|KAF3811920.1 CHIG|XP\_018151874.1 CHIG|XP\_018159595.1 CHIG|XP\_018164294.1 CHIG|XP\_018164582.1 CVIN|KAF4890282.1 CVIN|KAF4895625.1 CVIN|KAF4909962.1 CVIN|KAF4929756.1 CVYL|A02556 CVYL|A07422 CVYL|A12271 FGRM|XP\_011316299.1 FGRM|XP\_011319532.1 FGRM|XP\_011325421.1 FGRM|XP\_011325761.1 MGRA|XP\_003854552.1 MLAR|XP\_007415377.1 MORY|QBZ55174.1 MORY|QBZ55351.1 NCRA|XP\_959923.2 NCRA|XP\_963925.2 SSCL|APA05801.1 SSCL|APA09432.1 SSCL|APA09635.1

>Orthogroup198: ANID|CBF75140.1 ANID|CBF83972.1 BCIN|XP\_001552812.2 BCIN|XP\_024546743.1 BCIN|XP\_024547146.1 BCIN|XP\_024547425.1 BCIN|XP\_024549186.1 BCIN|XP\_024550038.1 BCIN|XP\_024553033.1 BCIN|XP\_024553593.1 CFRU|XP\_031877339.1 CFRU|XP\_031878259.1 CFRU|XP\_031879999.1 CFRU|XP\_031880851.1 CFRU|XP\_031884200.1 CFRU|XP\_031888644.1 CGLO|KAF3798071.1 CGLO|KAF3798921.1 CGLO|KAF3800006.1 CGLO|KAF3805491.1 CGLO|KAF3806897.1 CHIG|XP\_018152523.1 CHIG|XP\_018153044.1 CHIG|XP\_018155350.1 CVIN|KAF4904494.1 CVIN|KAF4913934.1 CVIN|KAF4924808.1 CVIN|KAF4926861.1 CVIN|KAF4928001.1 CVYL|A02542 CVYL|A07841 CVYL|A11275 FGRM|XP\_011317516.1 FGRM|XP\_011320511.1 FGRM|XP\_011325341.1 MORY|QBZ63723.1 SSCL|APA06209.1 SSCL|APA06404.1 SSCL|APA08971.1

>Orthogroup199: ANID|CBF75442.1 ANID|CBF81984.1 ANID|CBF87954.1 BCIN|XP\_001560564.1 BCIN|XP\_024549086.1 BCIN|XP\_024549825.1 BGRA|VDB88103.1 CFRU|XP\_031883525.1 CFRU|XP\_031890703.1 CFRU|XP\_031890849.1 CFRU|XP\_031892615.1 CGLO|KAF3797127.1 CGLO|KAF3801622.1 CGLO|KAF3810837.1 CHIG|XP\_018151355.1 CHIG|XP\_018155031.1 CVIN|KAF4896915.1 CVIN|KAF4911114.1 CVIN|KAF4922682.1 CVIN|KAF4922699.1 CVYL|A02302 CVYL|A10573 CVYL|A12514 CVYL|A12541 MGRA|XP\_003847614.1 MGRA|XP\_003848166.1 MGRA|XP\_003849056.1 MGRA|XP\_003849733.1 MGRA|XP\_003850025.1 MLAR|XP\_007417344.1 MORY|QBZ57787.1 MORY|QBZ62551.1 MORY|QBZ63047.1 MORY|QBZ63291.1 NCRA|XP\_960424.1 NCRA|XP\_962123.2 SSCL|APA05652.1 SSCL|APA07886.1 SSCL|APA15889.1

>Orthogroup200: ANID|CBF81902.1 BCIN|XP\_001557447.1 BCIN|XP\_024550096.1 BGRA|VCU39970.1 BGRA|VCU41025.1 CFRU|XP\_031876876.1 CFRU|XP\_031877170.1 CFRU|XP\_031881597.1 CGLO|KAF3799844.1 CGLO|KAF3801780.1 CGLO|KAF3806411.1 CGLO|KAF3807408.1 CHIG|XP\_018151316.1 CHIG|XP\_018153828.1 CHIG|XP\_018156813.1 CHIG|XP\_018162294.1 CVIN|KAF4921697.1 CVIN|KAF4923259.1 CVIN|KAF4929596.1 CVYL|A09671 CVYL|A10903 CVYL|A11611 CVYL|A12004 FGRM|XP\_011321060.1 FGRM|XP\_011321541.1 FGRM|XP\_011321918.1 FGRM|XP\_011326560.1 MGRA|XP\_003854848.1 MLAR|XP\_007409103.1 MLAR|XP\_007411030.1 MLAR|XP\_007412555.1 MLAR|XP\_007412558.1 MLAR|XP\_007413969.1 MLAR|XP\_007414777.1 MLAR|XP\_007416564.1 MORY|QBZ63910.1 NCRA|XP\_956796.1 SSCL|APA10657.1 SSCL|APA10723.1

>Orthogroup201: ANID|CBF84133.1 ANID|CBF85356.1 ANID|CBF89127.1 BGRA|VCU40842.1 CFRU|XP\_031876870.1 CFRU|XP\_031879754.1 CFRU|XP\_031881032.1 CFRU|XP\_031881146.1 CGLO|KAF3797933.1 CGLO|KAF3797934.1 CGLO|KAF3798193.1 CGLO|KAF3799843.1 CGLO|KAF3809878.1 CGLO|KAF3809904.1 CHIG|XP\_018154198.1 CHIG|XP\_018158061.1 CHIG|XP\_018161437.1 CHIG|XP\_018161491.1 CVIN|KAF4908471.1 CVIN|KAF4916791.1 CVIN|KAF4916792.1 CVIN|KAF4917843.1 CVIN|KAF4921698.1 CVIN|KAF4930647.1 CVIN|KAF4930667.1 CVIN|KAF4930713.1 CVYL|A01714 CVYL|A01738 CVYL|A04926 CVYL|A09673 FGRM|XP\_011317654.1 FGRM|XP\_011320899.1 FGRM|XP\_011322054.1 FGRM|XP\_011322605.1 FGRM|XP\_011322632.1 MGRA|XP\_003854323.1 MGRA|XP\_003855418.1 MORY|QBZ53693.1 MORY|QBZ60388.1

>Orthogroup202: ANID|CBF90011.1 BCIN|XP\_001555001.1 BCIN|XP\_024547432.1 BCIN|XP\_024551083.1 CFRU|XP\_031875949.1 CFRU|XP\_031880018.1 CFRU|XP\_031881097.1 CFRU|XP\_031883790.1 CFRU|XP\_031884216.1 CFRU|XP\_031884357.1 CFRU|XP\_031890514.1 CGLO|KAF3798975.1 CGLO|KAF3800426.1 CGLO|KAF3806757.1 CGLO|KAF3811042.1 CGLO|KAF3811043.1 CHIG|XP\_018150746.1 CHIG|XP\_018151677.1 CHIG|XP\_018151883.1 CHIG|XP\_018152840.1 CHIG|XP\_018154159.1 CHIG|XP\_018161377.1 CVIN|KAF4901298.1 CVIN|KAF4923476.1 CVYL|A01818 CVYL|A04971 CVYL|A07894 FGRM|XP\_011318210.1 FGRM|XP\_011320741.1 MGRA|XP\_003849938.1 MGRA|XP\_003850732.1 MGRA|XP\_003854426.1 MLAR|XP\_007409612.1 MLAR|XP\_007416307.1 MORY|QBZ59489.1 SSCL|APA07627.1 SSCL|APA08149.1 SSCL|APA13431.1 SSCL|APA15966.1

>Orthogroup203: BCIN|XP\_001552864.1 BCIN|XP\_024545969.1 BCIN|XP\_024552823.1 CFRU|XP\_031879431.1 CFRU|XP\_031885918.1 CFRU|XP\_031886100.1 CFRU|XP\_031890739.1 CFRU|XP\_031890970.1 CGLO|KAF3799656.1 CGLO|KAF3801179.1 CGLO|KAF3801543.1 CGLO|KAF3811720.1 CGLO|KAF3811994.1 CHIG|XP\_018151548.1 CHIG|XP\_018154133.1 CHIG|XP\_018158127.1 CHIG|XP\_018163495.1 CHIG|XP\_018164741.1 CVIN|KAF4911041.1 CVIN|KAF4921107.1 CVIN|KAF4922163.1 CVIN|KAF4922972.1 CVIN|KAF4930358.1 CVYL|A05513 CVYL|A06212 CVYL|A08087 CVYL|A12593 CVYL|A12737 CVYL|A13519 FGRM|XP\_011317399.1 FGRM|XP\_011320600.1 FGRM|XP\_011320620.1 FGRM|XP\_011321891.1 FGRM|XP\_011322934.1 MORY|QBZ55151.1 MORY|QBZ56726.1 MORY|QBZ60635.1 NCRA|XP\_959490.1 SSCL|APA07414.1

>Orthogroup204: BCIN|XP\_001555583.2 BCIN|XP\_001560857.1 BCIN|XP\_024548681.1 BCIN|XP\_024552521.1 BGRA|VCU40923.1 CFRU|XP\_031885541.1 CFRU|XP\_031887585.1 CFRU|XP\_031887586.1 CGLO|KAF3798666.1 CGLO|KAF3803267.1 CHIG|XP\_018156620.1 CHIG|XP\_018157498.1 CHIG|XP\_018161130.1 CVIN|KAF4919450.1 CVIN|KAF4928699.1 CVIN|KAF4928700.1 CVYL|A03702 CVYL|A09405 FGRM|XP\_011322710.1 FGRM|XP\_011323557.1 FGRM|XP\_011328406.1 FGRM|XP\_011328575.1 FGRM|XP\_011328576.1 FGRM|XP\_011328577.1 MGRA|XP\_003852107.1 MGRA|XP\_003852713.1 MGRA|XP\_003857537.1 MORY|QBZ56186.1 MORY|QBZ58452.1 MORY|QBZ65493.1 MORY|QBZ66629.1 MORY|QBZ66654.1 NCRA|XP\_011394383.1 NCRA|XP\_959389.2 NCRA|XP\_963277.2 SSCL|APA07445.1 SSCL|APA08078.1 SSCL|APA09906.1 SSCL|APA15475.1

>Orthogroup205: BCIN|XP\_001545511.1 BCIN|XP\_001547970.1 BCIN|XP\_024549544.1 BCIN|XP\_024552322.1 CFRU|XP\_031880231.1 CFRU|XP\_031880413.1 CFRU|XP\_031882996.1 CFRU|XP\_031887385.1 CFRU|XP\_031889936.1 CFRU|XP\_031890551.1 CGLO|KAF3804879.1 CGLO|KAF3807268.1 CGLO|KAF3807949.1 CGLO|KAF3808979.1 CGLO|KAF3809501.1 CGLO|KAF3810409.1 CHIG|XP\_018150838.1 CHIG|XP\_018154118.1 CHIG|XP\_018156492.1 CHIG|XP\_018157690.1 CHIG|XP\_018163620.1 CVIN|KAF4908455.1 CVIN|KAF4920847.1 CVIN|KAF4921160.1 CVIN|KAF4921256.1 CVIN|KAF4924064.1 CVIN|KAF4928185.1 CVYL|A00677 CVYL|A00678 CVYL|A10070 CVYL|A10750 CVYL|A11392 CVYL|A12183 FGRM|XP\_011323044.1 FGRM|XP\_011324883.1 MGRA|XP\_003849644.1 MGRA|XP\_003851457.1 MGRA|XP\_003857564.1 SSCL|APA08623.1

>Orthogroup206: MLAR|XP\_007403532.1 MLAR|XP\_007403781.1 MLAR|XP\_007403983.1 MLAR|XP\_007404057.1 MLAR|XP\_007404586.1 MLAR|XP\_007404805.1 MLAR|XP\_007405900.1 MLAR|XP\_007406617.1 MLAR|XP\_007406927.1 MLAR|XP\_007407841.1 MLAR|XP\_007407996.1 MLAR|XP\_007408059.1 MLAR|XP\_007408088.1 MLAR|XP\_007409221.1 MLAR|XP\_007409759.1 MLAR|XP\_007410326.1 MLAR|XP\_007412540.1 MLAR|XP\_007412871.1 MLAR|XP\_007412941.1 MLAR|XP\_007413052.1 MLAR|XP\_007413985.1 MLAR|XP\_007414291.1 MLAR|XP\_007414893.1 MLAR|XP\_007415236.1 MLAR|XP\_007415410.1 MLAR|XP\_007415451.1 MLAR|XP\_007416062.1 MLAR|XP\_007416661.1 MLAR|XP\_007416769.1 MLAR|XP\_007417186.1 MLAR|XP\_007417451.1 MLAR|XP\_007417460.1 MLAR|XP\_007418469.1 MLAR|XP\_007418539.1 MLAR|XP\_007418540.1 MLAR|XP\_007419271.1 MLAR|XP\_007419274.1 MLAR|XP\_007419521.1 MLAR|XP\_007419773.1

>Orthogroup207: MLAR|XP\_007404259.1 MLAR|XP\_007404498.1 MLAR|XP\_007405217.1 MLAR|XP\_007405493.1 MLAR|XP\_007405978.1 MLAR|XP\_007406860.1 MLAR|XP\_007407260.1 MLAR|XP\_007407482.1 MLAR|XP\_007407833.1 MLAR|XP\_007408118.1 MLAR|XP\_007408639.1 MLAR|XP\_007409870.1 MLAR|XP\_007410254.1 MLAR|XP\_007410592.1 MLAR|XP\_007411339.1 MLAR|XP\_007412507.1 MLAR|XP\_007413261.1 MLAR|XP\_007413822.1 MLAR|XP\_007413979.1 MLAR|XP\_007414081.1 MLAR|XP\_007414650.1 MLAR|XP\_007414753.1 MLAR|XP\_007414883.1 MLAR|XP\_007415251.1 MLAR|XP\_007416274.1 MLAR|XP\_007416463.1 MLAR|XP\_007417124.1 MLAR|XP\_007417330.1 MLAR|XP\_007417340.1 MLAR|XP\_007417378.1 MLAR|XP\_007417725.1 MLAR|XP\_007417746.1 MLAR|XP\_007418434.1 MLAR|XP\_007418790.1 MLAR|XP\_007419121.1 MLAR|XP\_007419306.1 MLAR|XP\_007419635.1 MLAR|XP\_007419697.1 MLAR|XP\_007419842.1

>Orthogroup208: ANID|CBF69504.1 ANID|CBF85195.1 BCIN|XP\_001556114.2 BCIN|XP\_001557265.2 BCIN|XP\_024546559.1 BCIN|XP\_024549460.1 BCIN|XP\_024550148.1 CFRU|XP\_031877290.1 CFRU|XP\_031878697.1 CFRU|XP\_031880029.1 CFRU|XP\_031880085.1 CFRU|XP\_031884646.1 CGLO|KAF3798363.1 CGLO|KAF3799690.1 CGLO|KAF3806810.1 CGLO|KAF3809036.1 CGLO|KAF3811780.1 CHIG|XP\_018151760.1 CHIG|XP\_018158284.1 CHIG|XP\_018159528.1 CVIN|KAF4907637.1 CVIN|KAF4908881.1 CVIN|KAF4919967.1 CVYL|A02467 CVYL|A05854 CVYL|A09000 CVYL|A12785 FGRM|XP\_011318265.1 FGRM|XP\_011322090.1 FGRM|XP\_011322837.1 FGRM|XP\_011327627.1 MGRA|XP\_003848965.1 MORY|QBZ63135.1 NCRA|XP\_958156.1 SSCL|APA06788.1 SSCL|APA08891.1 SSCL|APA09198.1 SSCL|APA10766.1

>Orthogroup209: ANID|CBF69709.1 ANID|CBF76249.1 ANID|CBF85912.1 BCIN|XP\_024546994.1 BCIN|XP\_024548417.1 BGRA|VCU40101.1 BGRA|VCU40618.1 CFRU|XP\_031887942.1 CFRU|XP\_031888710.1 CFRU|XP\_031888720.1 CGLO|KAF3797586.1 CGLO|KAF3799197.1 CGLO|KAF3804175.1 CHIG|XP\_018154109.1 CHIG|XP\_018159817.1 CHIG|XP\_018164954.1 CVIN|KAF4912178.1 CVIN|KAF4914911.1 CVIN|KAF4918370.1 CVYL|A03402 CVYL|A03849 CVYL|A10092 FGRM|XP\_011318618.1 FGRM|XP\_011325412.1 MGRA|XP\_003848681.1 MGRA|XP\_003851942.1 MGRA|XP\_003853000.1 MGRA|XP\_003856606.1 MLAR|XP\_007406056.1 MLAR|XP\_007410553.1 MLAR|XP\_007410565.1 MLAR|XP\_007410566.1 MLAR|XP\_007419732.1 MORY|QBZ58685.1 MORY|QBZ60052.1 NCRA|XP\_959849.1 SSCL|APA05940.1 SSCL|APA12283.1

>Orthogroup210: ANID|CBF73488.1 ANID|CBF74013.1 ANID|CBF78846.1 ANID|CBF78849.1 ANID|CBF86059.1 BCIN|XP\_024550652.1 CFRU|XP\_031878324.1 CFRU|XP\_031879939.1 CFRU|XP\_031882744.1 CFRU|XP\_031892196.1 CGLO|KAF3798056.1 CGLO|KAF3798989.1 CGLO|KAF3806664.1 CGLO|KAF3809812.1 CHIG|XP\_018152901.1 CHIG|XP\_018153316.1 CHIG|XP\_018156990.1 CHIG|XP\_018158307.1 CHIG|XP\_018164210.1 CVIN|KAF4918903.1 CVIN|KAF4919306.1 CVIN|KAF4923493.1 CVIN|KAF4927977.1 CVYL|A06732 CVYL|A07908 CVYL|A08300 CVYL|A14198 FGRM|XP\_011320905.1 FGRM|XP\_011323239.1 FGRM|XP\_011325103.1 MGRA|XP\_003849768.1 MGRA|XP\_003851986.1 MGRA|XP\_003854687.1 MORY|QBZ53621.1 MORY|QBZ61862.1 MORY|QBZ63118.1 NCRA|XP\_955888.3 SSCL|APA11478.1

>Orthogroup211: ANID|CBF73492.1 ANID|CBF78493.1 ANID|CBF82819.1 ANID|CBF83145.1 ANID|CBF86048.1 ANID|CBF86206.1 ANID|CBF88297.1 ANID|CBF89299.1 BCIN|XP\_001545450.2 BCIN|XP\_001548423.1 BCIN|XP\_001559066.2 CFRU|XP\_031877237.1 CFRU|XP\_031878617.1 CFRU|XP\_031883582.1 CFRU|XP\_031889922.1 CGLO|KAF3798489.1 CGLO|KAF3800214.1 CGLO|KAF3806836.1 CGLO|KAF3810618.1 CHIG|XP\_018154036.1 CHIG|XP\_018155125.1 CHIG|XP\_018158974.1 CVIN|KAF4908289.1 CVIN|KAF4920410.1 CVYL|A02483 CVYL|A06072 CVYL|A13702 FGRM|XP\_011315691.1 FGRM|XP\_011319292.1 FGRM|XP\_011322042.1 MGRA|XP\_003849631.1 MGRA|XP\_003853623.1 MORY|QBZ57764.1 MORY|QBZ61776.1 NCRA|XP\_001728129.1 NCRA|XP\_963232.1 SSCL|APA09077.1 SSCL|APA09283.1

>Orthogroup212: ANID|CBF75171.1 ANID|CBF79679.1 BCIN|XP\_024546232.1 BCIN|XP\_024547320.1 BCIN|XP\_024548250.1 BCIN|XP\_024552762.1 BCIN|XP\_024553560.1 BGRA|VDB96388.1 CFRU|XP\_031876695.1 CFRU|XP\_031876839.1 CFRU|XP\_031877373.1 CFRU|XP\_031892618.1 CGLO|KAF3797176.1 CGLO|KAF3797973.1 CGLO|KAF3799903.1 CHIG|XP\_018150813.1 CHIG|XP\_018150814.1 CHIG|XP\_018153308.1 CHIG|XP\_018153309.1 CHIG|XP\_018157329.1 CHIG|XP\_018157461.1 CVIN|KAF4918499.1 CVIN|KAF4918835.1 CVIN|KAF4921693.1 CVYL|A09433 CVYL|A09618 CVYL|A10520 FGRM|XP\_011319926.1 FGRM|XP\_011321353.1 MGRA|XP\_003851332.1 MORY|QBZ54377.1 MORY|QBZ66079.1 NCRA|XP\_958096.3 NCRA|XP\_965428.2 SSCL|APA06320.1 SSCL|APA08630.1 SSCL|APA10780.1 SSCL|APA10892.1

>Orthogroup213: ANID|CBF78921.1 BCIN|XP\_024549034.1 BCIN|XP\_024553555.1 BCIN|XP\_024553843.1 CFRU|XP\_031876138.1 CFRU|XP\_031877512.1 CFRU|XP\_031881340.1 CFRU|XP\_031884985.1 CFRU|XP\_031887014.1 CFRU|XP\_031888950.1 CGLO|KAF3797536.1 CGLO|KAF3801016.1 CGLO|KAF3804168.1 CGLO|KAF3805750.1 CGLO|KAF3811317.1 CHIG|XP\_018159993.1 CHIG|XP\_018160543.1 CHIG|XP\_018163667.1 CVIN|KAF4912980.1 CVIN|KAF4918377.1 CVIN|KAF4918597.1 CVIN|KAF4921652.1 CVIN|KAF4926611.1 CVIN|KAF4927199.1 CVYL|A01985 CVYL|A03839 CVYL|A04498 CVYL|A05893 CVYL|A09823 CVYL|A11268 FGRM|XP\_011322434.1 FGRM|XP\_011327629.1 MORY|QBZ53733.1 MORY|QBZ61908.1 MORY|QBZ65588.1 MORY|QBZ66141.1 NCRA|XP\_962853.1 SSCL|APA13895.1

>Orthogroup214: ANID|CBF79122.1 ANID|CBF81578.1 ANID|CBF84282.1 BCIN|XP\_001555842.2 BCIN|XP\_024546800.1 BCIN|XP\_024553579.1 CFRU|XP\_031880784.1 CFRU|XP\_031881397.1 CFRU|XP\_031884187.1 CFRU|XP\_031885686.1 CFRU|XP\_031885948.1 CGLO|KAF3803772.1 CGLO|KAF3805437.1 CGLO|KAF3805740.1 CGLO|KAF3806872.1 CGLO|KAF3810249.1 CHIG|XP\_018153145.1 CHIG|XP\_018153264.1 CHIG|XP\_018155296.1 CHIG|XP\_018157939.1 CHIG|XP\_018159550.1 CVIN|KAF4895978.1 CVIN|KAF4910792.1 CVIN|KAF4917912.1 CVIN|KAF4926595.1 CVIN|KAF4930383.1 CVYL|A02518 CVYL|A02851 CVYL|A05567 CVYL|A09794 CVYL|A14150 FGRM|XP\_011318312.1 FGRM|XP\_011325149.1 FGRM|XP\_011327663.1 MGRA|XP\_003850660.1 NCRA|XP\_961264.1 SSCL|APA08436.1 SSCL|APA13619.1

>Orthogroup215: ANID|CBF79809.1 ANID|CBF88875.1 BCIN|XP\_001560884.1 BCIN|XP\_024552848.1 CFRU|XP\_031877056.1 CFRU|XP\_031877256.1 CFRU|XP\_031883550.1 CFRU|XP\_031889329.1 CFRU|XP\_031893508.1 CGLO|KAF3797699.1 CGLO|KAF3806824.1 CGLO|KAF3808076.1 CGLO|KAF3810871.1 CGLO|KAF3811082.1 CHIG|XP\_018152778.1 CHIG|XP\_018153074.1 CHIG|XP\_018154969.1 CHIG|XP\_018155485.1 CHIG|XP\_018159535.1 CHIG|XP\_018163153.1 CVIN|KAF4895029.1 CVIN|KAF4908883.1 CVIN|KAF4916346.1 CVIN|KAF4922834.1 CVIN|KAF4928330.1 CVYL|A01071 CVYL|A02273 CVYL|A02469 CVYL|A08157 CVYL|A09713 FGRM|XP\_011321172.1 FGRM|XP\_011321760.1 FGRM|XP\_011325184.1 FGRM|XP\_011328473.1 MGRA|XP\_003854107.1 MORY|QBZ64356.1 NCRA|XP\_011394166.1 SSCL|APA08100.1

>Orthogroup216: ANID|CBF80127.1 ANID|CBF84928.1 BCIN|XP\_001545928.1 BCIN|XP\_001560321.1 BCIN|XP\_024548229.1 BGRA|VDB89176.1 CFRU|XP\_031877997.1 CFRU|XP\_031878310.1 CFRU|XP\_031882283.1 CGLO|KAF3798086.1 CGLO|KAF3804349.1 CHIG|XP\_018158150.1 CHIG|XP\_018160125.1 CVIN|KAF4918359.1 CVIN|KAF4926497.1 CVIN|KAF4927962.1 CVYL|A04040 CVYL|A08275 CVYL|A13463 FGRM|XP\_011317625.1 FGRM|XP\_011318189.1 FGRM|XP\_011319247.1 FGRM|XP\_011319433.1 FGRM|XP\_011322057.1 FGRM|XP\_011322762.1 FGRM|XP\_011323714.1 MGRA|XP\_003851781.1 MGRA|XP\_003855776.1 MLAR|XP\_007407681.1 MLAR|XP\_007408463.1 MORY|QBZ53766.1 MORY|QBZ56065.1 MORY|QBZ57845.1 NCRA|XP\_955960.3 NCRA|XP\_958365.2 NCRA|XP\_958967.1 SSCL|APA08822.1 SSCL|APA12481.1

>Orthogroup217: ANID|CBF88238.1 ANID|CBF89648.1 BCIN|XP\_001553556.1 BCIN|XP\_024550312.1 BCIN|XP\_024551834.1 CFRU|XP\_031881615.1 CFRU|XP\_031882211.1 CGLO|KAF3804376.1 CGLO|KAF3807404.1 CHIG|XP\_018156816.1 CHIG|XP\_018160185.1 CVIN|KAF4918322.1 CVIN|KAF4929653.1 CVYL|A04069 CVYL|A10908 FGRM|XP\_011318709.1 FGRM|XP\_011328167.1 MGRA|XP\_003847473.1 MGRA|XP\_003851988.1 MGRA|XP\_003855099.1 MLAR|XP\_007405157.1 MLAR|XP\_007405160.1 MLAR|XP\_007407077.1 MLAR|XP\_007408422.1 MLAR|XP\_007408509.1 MLAR|XP\_007410702.1 MLAR|XP\_007410703.1 MLAR|XP\_007410704.1 MLAR|XP\_007410705.1 MLAR|XP\_007417557.1 MORY|QBZ54089.1 MORY|QBZ59853.1 MORY|QBZ65585.1 NCRA|XP\_957040.2 NCRA|XP\_960114.1 NCRA|XP\_965064.1 SSCL|APA10977.1 SSCL|APA14733.1

>Orthogroup218: CFRU|XP\_031884771.1 CFRU|XP\_031884772.1 CFRU|XP\_031884775.1 CFRU|XP\_031884776.1 CFRU|XP\_031884878.1 CFRU|XP\_031884879.1 CFRU|XP\_031884956.1 CFRU|XP\_031884957.1 CFRU|XP\_031885879.1 CGLO|KAF3800970.1 CGLO|KAF3800971.1 CGLO|KAF3800973.1 CGLO|KAF3800974.1 CGLO|KAF3800978.1 CGLO|KAF3800980.1 CGLO|KAF3801155.1 CHIG|XP\_018152423.1 CHIG|XP\_018153230.1 CHIG|XP\_018153231.1 CHIG|XP\_018156592.1 CVIN|KAF4911050.1 CVIN|KAF4913260.1 CVIN|KAF4913268.1 CVIN|KAF4913269.1 CVIN|KAF4913275.1 CVIN|KAF4913277.1 CVIN|KAF4913278.1 CVYL|A05691 CVYL|A05927 CVYL|A05930 CVYL|A05932 CVYL|A05933 CVYL|A05934 CVYL|A05935 FGRM|XP\_011317551.1 FGRM|XP\_011323491.1 MORY|QBZ64856.1 NCRA|XP\_011394158.1

>Orthogroup219: MLAR|XP\_007403882.1 MLAR|XP\_007404058.1 MLAR|XP\_007404246.1 MLAR|XP\_007404723.1 MLAR|XP\_007405128.1 MLAR|XP\_007405717.1 MLAR|XP\_007406240.1 MLAR|XP\_007406948.1 MLAR|XP\_007407090.1 MLAR|XP\_007407114.1 MLAR|XP\_007407135.1 MLAR|XP\_007407353.1 MLAR|XP\_007408179.1 MLAR|XP\_007409573.1 MLAR|XP\_007409574.1 MLAR|XP\_007410787.1 MLAR|XP\_007411207.1 MLAR|XP\_007411294.1 MLAR|XP\_007411361.1 MLAR|XP\_007413190.1 MLAR|XP\_007413766.1 MLAR|XP\_007414403.1 MLAR|XP\_007415012.1 MLAR|XP\_007416587.1 MLAR|XP\_007416607.1 MLAR|XP\_007416753.1 MLAR|XP\_007417316.1 MLAR|XP\_007417686.1 MLAR|XP\_007417992.1 MLAR|XP\_007418004.1 MLAR|XP\_007418091.1 MLAR|XP\_007418194.1 MLAR|XP\_007418867.1 MLAR|XP\_007419100.1 MLAR|XP\_007419117.1 MLAR|XP\_007419222.1 MLAR|XP\_007419488.1 MLAR|XP\_007419770.1

>Orthogroup220: MLAR|XP\_007404939.1 MLAR|XP\_007406220.1 MLAR|XP\_007406259.1 MLAR|XP\_007407062.1 MLAR|XP\_007407641.1 MLAR|XP\_007407742.1 MLAR|XP\_007409610.1 MLAR|XP\_007409728.1 MLAR|XP\_007409729.1 MLAR|XP\_007409932.1 MLAR|XP\_007411351.1 MLAR|XP\_007411737.1 MLAR|XP\_007412687.1 MLAR|XP\_007412900.1 MLAR|XP\_007413017.1 MLAR|XP\_007413119.1 MLAR|XP\_007413424.1 MLAR|XP\_007414506.1 MLAR|XP\_007414634.1 MLAR|XP\_007414734.1 MLAR|XP\_007414880.1 MLAR|XP\_007415008.1 MLAR|XP\_007415267.1 MLAR|XP\_007415363.1 MLAR|XP\_007416029.1 MLAR|XP\_007416055.1 MLAR|XP\_007416630.1 MLAR|XP\_007416977.1 MLAR|XP\_007416983.1 MLAR|XP\_007417020.1 MLAR|XP\_007417037.1 MLAR|XP\_007417043.1 MLAR|XP\_007417834.1 MLAR|XP\_007418296.1 MLAR|XP\_007418948.1 MLAR|XP\_007419050.1 MLAR|XP\_007419701.1 MLAR|XP\_007419800.1

>Orthogroup221: MLAR|XP\_007405721.1 MLAR|XP\_007406432.1 MLAR|XP\_007406435.1 MLAR|XP\_007406458.1 MLAR|XP\_007407300.1 MLAR|XP\_007407495.1 MLAR|XP\_007407610.1 MLAR|XP\_007408402.1 MLAR|XP\_007408470.1 MLAR|XP\_007408471.1 MLAR|XP\_007408708.1 MLAR|XP\_007408850.1 MLAR|XP\_007408869.1 MLAR|XP\_007410322.1 MLAR|XP\_007410770.1 MLAR|XP\_007410820.1 MLAR|XP\_007410972.1 MLAR|XP\_007411048.1 MLAR|XP\_007412512.1 MLAR|XP\_007412628.1 MLAR|XP\_007412935.1 MLAR|XP\_007412936.1 MLAR|XP\_007416267.1 MLAR|XP\_007416268.1 MLAR|XP\_007416269.1 MLAR|XP\_007416270.1 MLAR|XP\_007416280.1 MLAR|XP\_007416302.1 MLAR|XP\_007416868.1 MLAR|XP\_007417383.1 MLAR|XP\_007418027.1 MLAR|XP\_007418162.1 MLAR|XP\_007418163.1 MLAR|XP\_007418390.1 MLAR|XP\_007418869.1 MLAR|XP\_007419347.1 MLAR|XP\_007419348.1 MLAR|XP\_007419541.1

>Orthogroup222: ANID|CBF69657.1 ANID|CBF73449.1 BCIN|XP\_001551870.1 BCIN|XP\_024550686.1 BCIN|XP\_024550816.1 BCIN|XP\_024552366.1 BCIN|XP\_024552984.1 CFRU|XP\_031885885.1 CFRU|XP\_031889892.1 CFRU|XP\_031892585.1 CFRU|XP\_031892816.1 CGLO|KAF3807200.1 CGLO|KAF3810489.1 CGLO|KAF3811975.1 CHIG|XP\_018152580.1 CHIG|XP\_018156547.1 CHIG|XP\_018157085.1 CHIG|XP\_018159123.1 CVIN|KAF4924637.1 CVIN|KAF4928195.1 CVIN|KAF4930332.1 CVYL|A01136 CVYL|A10590 CVYL|A10679 CVYL|A14092 FGRM|XP\_011315799.1 FGRM|XP\_011318216.1 FGRM|XP\_011318622.1 FGRM|XP\_011318971.1 MORY|QBZ59368.1 MORY|QBZ65567.1 NCRA|XP\_001728404.1 NCRA|XP\_958753.1 NCRA|XP\_964708.3 SSCL|APA11510.1 SSCL|APA11829.1 SSCL|APA15019.1

>Orthogroup223: ANID|CBF75970.1 ANID|CBF78463.1 ANID|CBF79016.1 ANID|CBF82943.1 ANID|CBF89281.1 ANID|CBF89401.1 BCIN|XP\_024548119.1 CFRU|XP\_031877376.1 CFRU|XP\_031877575.1 CFRU|XP\_031878823.1 CFRU|XP\_031889038.1 CFRU|XP\_031892409.1 CFRU|XP\_031893321.1 CGLO|KAF3797102.1 CGLO|KAF3797487.1 CGLO|KAF3804215.1 CGLO|KAF3806261.1 CGLO|KAF3806263.1 CGLO|KAF3806264.1 CGLO|KAF3806940.1 CGLO|KAF3808316.1 CGLO|KAF3809650.1 CVIN|KAF4921660.1 CVIN|KAF4922408.1 CVIN|KAF4925019.1 CVYL|A01934 CVYL|A08398 CVYL|A10604 CVYL|A11850 FGRM|XP\_011315704.1 FGRM|XP\_011317552.1 FGRM|XP\_011319655.1 FGRM|XP\_011321804.1 FGRM|XP\_011323367.1 FGRM|XP\_011327578.1 FGRM|XP\_011327579.1 MORY|QBZ62917.1

>Orthogroup224: ANID|CBF76992.1 ANID|CBF77471.1 ANID|CBF80060.1 ANID|CBF82202.1 BCIN|XP\_001558985.1 BCIN|XP\_024546644.1 BCIN|XP\_024550489.1 BGRA|VCU38785.1 BGRA|VDB90571.1 CFRU|XP\_031881534.1 CFRU|XP\_031884779.1 CFRU|XP\_031884780.1 CFRU|XP\_031888538.1 CGLO|KAF3803754.1 CGLO|KAF3812118.1 CHIG|XP\_018153174.1 CHIG|XP\_018156712.1 CHIG|XP\_018158720.1 CVIN|KAF4912464.1 CVIN|KAF4917749.1 CVYL|A11055 CVYL|A14134 FGRM|XP\_011320050.1 FGRM|XP\_011326775.1 MGRA|XP\_003851313.1 MGRA|XP\_003851772.1 MGRA|XP\_003854123.1 MLAR|XP\_007408897.1 MLAR|XP\_007409509.1 MLAR|XP\_007418331.1 MORY|QBZ59793.1 MORY|QBZ65360.1 NCRA|XP\_011392792.1 NCRA|XP\_965636.2 SSCL|APA05838.1 SSCL|APA06477.1 SSCL|APA11207.1

>Orthogroup225: ANID|CBF79787.1 ANID|CBF80344.1 ANID|CBF84693.1 BCIN|XP\_001547281.1 CFRU|XP\_031875558.1 CFRU|XP\_031876586.1 CFRU|XP\_031879610.1 CFRU|XP\_031883527.1 CFRU|XP\_031890125.1 CFRU|XP\_031890799.1 CGLO|KAF3798243.1 CGLO|KAF3800902.1 CGLO|KAF3802746.1 CGLO|KAF3808550.1 CGLO|KAF3810839.1 CGLO|KAF3811691.1 CGLO|KAF3811692.1 CHIG|XP\_018151297.1 CHIG|XP\_018155033.1 CVIN|KAF4900883.1 CVIN|KAF4904372.1 CVIN|KAF4907265.1 CVIN|KAF4911111.1 CVIN|KAF4915942.1 CVYL|A02300 CVYL|A08069 CVYL|A09226 CVYL|A12717 FGRM|XP\_011321131.1 FGRM|XP\_011327524.1 FGRM|XP\_011327561.1 MGRA|XP\_003848638.1 MGRA|XP\_003853188.1 MORY|QBZ55085.1 MORY|QBZ59962.1 NCRA|XP\_959804.3 SSCL|APA06985.1

>Orthogroup226: ANID|CBF80110.1 ANID|CBF80628.1 BCIN|XP\_024552248.1 CFRU|XP\_031880920.1 CFRU|XP\_031881867.1 CFRU|XP\_031883967.1 CFRU|XP\_031884066.1 CFRU|XP\_031884280.1 CFRU|XP\_031887989.1 CFRU|XP\_031890813.1 CFRU|XP\_031890815.1 CFRU|XP\_031891026.1 CFRU|XP\_031892171.1 CGLO|KAF3797470.1 CGLO|KAF3799986.1 CGLO|KAF3801319.1 CGLO|KAF3802253.1 CGLO|KAF3804973.1 CGLO|KAF3806957.1 CGLO|KAF3810014.1 CHIG|XP\_018164786.1 CVIN|KAF4888678.1 CVIN|KAF4910744.1 CVIN|KAF4919172.1 CVIN|KAF4924427.1 CVIN|KAF4924429.1 CVIN|KAF4926875.1 CVYL|A02613 CVYL|A03844 CVYL|A06246 CVYL|A10229 FGRM|XP\_011320931.1 FGRM|XP\_011321962.1 FGRM|XP\_011323429.1 MGRA|XP\_003852006.1 MORY|QBZ58846.1 SSCL|APA08970.1

>Orthogroup227: ANID|CBF85553.1 BCIN|XP\_001557831.1 BCIN|XP\_024548778.1 BCIN|XP\_024551324.1 BCIN|XP\_024551681.1 CFRU|XP\_031875902.1 CFRU|XP\_031875928.1 CFRU|XP\_031884143.1 CFRU|XP\_031888717.1 CFRU|XP\_031893549.1 CGLO|KAF3799199.1 CGLO|KAF3800015.1 CGLO|KAF3807808.1 CGLO|KAF3809624.1 CHIG|XP\_018153019.1 CHIG|XP\_018159815.1 CVIN|KAF4894526.1 CVIN|KAF4907628.1 CVIN|KAF4921522.1 CVIN|KAF4926903.1 CVYL|A00796 CVYL|A08419 CVYL|A09790 CVYL|A09836 CVYL|A09837 CVYL|A10094 FGRM|XP\_011317402.1 FGRM|XP\_011323409.1 FGRM|XP\_011324349.1 MGRA|XP\_003849999.1 MORY|QBZ57554.1 MORY|QBZ58065.1 MORY|QBZ61228.1 MORY|QBZ63756.1 NCRA|XP\_959656.1 NCRA|XP\_964437.2 SSCL|APA09693.1

>Orthogroup228: ANID|CBF86006.1 ANID|CBF87105.1 BCIN|XP\_001554112.1 CFRU|XP\_031878303.1 CFRU|XP\_031879138.1 CFRU|XP\_031886405.1 CFRU|XP\_031891192.1 CFRU|XP\_031891676.1 CGLO|KAF3798093.1 CGLO|KAF3800127.1 CGLO|KAF3802620.1 CGLO|KAF3806290.1 CGLO|KAF3807084.1 CHIG|XP\_018151616.1 CHIG|XP\_018156680.1 CHIG|XP\_018158144.1 CHIG|XP\_018161322.1 CHIG|XP\_018165060.1 CVIN|KAF4905516.1 CVIN|KAF4919043.1 CVIN|KAF4919044.1 CVIN|KAF4923951.1 CVIN|KAF4925869.1 CVIN|KAF4927978.1 CVYL|A01916 CVYL|A05296 CVYL|A06378 CVYL|A06814 CVYL|A08268 FGRM|XP\_011321265.1 MORY|QBZ53337.1 MORY|QBZ53684.1 MORY|QBZ55146.1 MORY|QBZ58379.1 MORY|QBZ64151.1 NCRA|XP\_964833.1 SSCL|APA05541.1

>Orthogroup229: BGRA|VDB85692.1 BGRA|VDB85696.1 BGRA|VDB87940.1 BGRA|VDB87942.1 BGRA|VDB87953.1 BGRA|VDB87971.1 BGRA|VDB87985.1 BGRA|VDB87993.1 BGRA|VDB87995.1 BGRA|VDB87997.1 BGRA|VDB88001.1 BGRA|VDB88004.1 BGRA|VDB88005.1 BGRA|VDB88007.1 BGRA|VDB88008.1 BGRA|VDB88009.1 BGRA|VDB88010.1 BGRA|VDB88011.1 BGRA|VDB88012.1 BGRA|VDB88013.1 BGRA|VDB88014.1 BGRA|VDB88016.1 BGRA|VDB88017.1 BGRA|VDB88018.1 BGRA|VDB89037.1 BGRA|VDB89040.1 BGRA|VDB89043.1 BGRA|VDB89044.1 BGRA|VDB89047.1 BGRA|VDB89048.1 BGRA|VDB89051.1 BGRA|VDB91207.1 BGRA|VDB91239.1 BGRA|VDB91243.1 BGRA|VDB91249.1 BGRA|VDB91253.1 BGRA|VDB91255.1

>Orthogroup230: CFRU|XP\_031878342.1 CFRU|XP\_031881057.1 CFRU|XP\_031884365.1 CFRU|XP\_031887750.1 CFRU|XP\_031889923.1 CFRU|XP\_031890067.1 CGLO|KAF3798090.1 CGLO|KAF3802148.1 CGLO|KAF3802837.1 CGLO|KAF3809916.1 CGLO|KAF3811021.1 CGLO|KAF3811625.1 CHIG|XP\_018156516.1 CHIG|XP\_018157245.1 CHIG|XP\_018158147.1 CHIG|XP\_018160897.1 CVIN|KAF4908277.1 CVIN|KAF4908278.1 CVIN|KAF4910466.1 CVIN|KAF4918155.1 CVIN|KAF4921429.1 CVIN|KAF4927958.1 CVIN|KAF4930733.1 CVYL|A01705 CVYL|A03484 CVYL|A05175 CVYL|A08272 CVYL|A09755 CVYL|A13703 FGRM|XP\_011315753.1 FGRM|XP\_011324394.1 FGRM|XP\_011326052.1 FGRM|XP\_011327478.1 MGRA|XP\_003853636.1 MORY|QBZ54815.1 MORY|QBZ58476.1 MORY|QBZ63074.1

>Orthogroup231: MLAR|XP\_007403690.1 MLAR|XP\_007403697.1 MLAR|XP\_007404178.1 MLAR|XP\_007404179.1 MLAR|XP\_007404181.1 MLAR|XP\_007404182.1 MLAR|XP\_007404194.1 MLAR|XP\_007405707.1 MLAR|XP\_007406076.1 MLAR|XP\_007406600.1 MLAR|XP\_007406694.1 MLAR|XP\_007407448.1 MLAR|XP\_007407745.1 MLAR|XP\_007407746.1 MLAR|XP\_007408201.1 MLAR|XP\_007408754.1 MLAR|XP\_007409884.1 MLAR|XP\_007410518.1 MLAR|XP\_007410807.1 MLAR|XP\_007410916.1 MLAR|XP\_007411564.1 MLAR|XP\_007412314.1 MLAR|XP\_007412530.1 MLAR|XP\_007412532.1 MLAR|XP\_007413125.1 MLAR|XP\_007413525.1 MLAR|XP\_007413928.1 MLAR|XP\_007414763.1 MLAR|XP\_007415117.1 MLAR|XP\_007416292.1 MLAR|XP\_007416569.1 MLAR|XP\_007417880.1 MLAR|XP\_007418536.1 MLAR|XP\_007418700.1 MLAR|XP\_007418709.1 MLAR|XP\_007419360.1 MLAR|XP\_007419428.1

>Orthogroup232: ANID|CBF69421.1 ANID|CBF73633.1 BCIN|XP\_001556138.1 BCIN|XP\_001560261.2 CFRU|XP\_031878362.1 CFRU|XP\_031888696.1 CGLO|KAF3802640.1 CHIG|XP\_018159103.1 CHIG|XP\_018161466.1 CHIG|XP\_018164203.1 CVIN|KAF4932147.1 CVYL|A07156 FGRM|XP\_011315861.1 FGRM|XP\_011319671.1 FGRM|XP\_011321145.1 FGRM|XP\_011322216.1 FGRM|XP\_011322344.1 FGRM|XP\_011322552.1 FGRM|XP\_011323704.1 FGRM|XP\_011327551.1 FGRM|XP\_011328682.1 MGRA|XP\_003847622.1 MGRA|XP\_003848398.1 MGRA|XP\_003852073.1 MGRA|XP\_003852397.1 MGRA|XP\_003854104.1 MGRA|XP\_003854252.1 MORY|QBZ54460.1 MORY|QBZ62670.1 MORY|QBZ66553.1 SSCL|APA08180.1 SSCL|APA08872.1 SSCL|APA10161.1 SSCL|APA11250.1 SSCL|APA15955.1 SSCL|APA16184.1

>Orthogroup233: ANID|CBF69436.1 ANID|CBF71217.1 ANID|CBF89173.1 BCIN|XP\_024547695.1 BCIN|XP\_024550743.1 BCIN|XP\_024551103.1 BCIN|XP\_024551453.1 CFRU|XP\_031877899.1 CFRU|XP\_031877900.1 CFRU|XP\_031889311.1 CFRU|XP\_031890008.1 CGLO|KAF3802856.1 CGLO|KAF3810895.1 CGLO|KAF3810896.1 CHIG|XP\_018154943.1 CHIG|XP\_018159778.1 CVIN|KAF4916350.1 CVIN|KAF4916351.1 CVYL|A01175 CVYL|A02248 FGRM|XP\_011319557.1 MGRA|XP\_003849657.1 MGRA|XP\_003849848.1 MGRA|XP\_003850810.1 MGRA|XP\_003853255.1 MGRA|XP\_003854404.1 MGRA|XP\_003854412.1 MORY|QBZ60872.1 MORY|QBZ60893.1 MORY|QBZ66147.1 MORY|QBZ66203.1 NCRA|XP\_957515.2 NCRA|XP\_964661.1 SSCL|APA07900.1 SSCL|APA11672.1 SSCL|APA12051.1

>Orthogroup234: ANID|CBF69458.1 ANID|CBF74471.1 ANID|CBF75006.1 ANID|CBF78527.1 ANID|CBF79175.1 ANID|CBF80156.1 ANID|CBF83141.1 ANID|CBF84180.1 BCIN|XP\_001559357.1 BCIN|XP\_001559633.1 CFRU|XP\_031881606.1 CFRU|XP\_031882567.1 CFRU|XP\_031892166.1 CGLO|KAF3803905.1 CGLO|KAF3805398.1 CGLO|KAF3809797.1 CHIG|XP\_018151668.1 CHIG|XP\_018163741.1 CHIG|XP\_018164944.1 CVIN|KAF4917745.1 CVIN|KAF4919317.1 CVIN|KAF4925464.1 CVYL|A06716 CVYL|A08912 CVYL|A11044 CVYL|A11045 FGRM|XP\_011325107.1 MGRA|XP\_003850935.1 MGRA|XP\_003852293.1 MGRA|XP\_003853082.1 MGRA|XP\_003856702.1 MORY|QBZ59383.1 MORY|QBZ66676.1 SSCL|APA07712.1 SSCL|APA09400.1 SSCL|APA10037.1

>Orthogroup235: ANID|CBF71339.1 ANID|CBF73976.1 ANID|CBF74500.1 ANID|CBF82020.1 ANID|CBF83219.1 ANID|CBF87118.1 ANID|CBF87441.1 ANID|CBF89587.1 CFRU|XP\_031876415.1 CFRU|XP\_031878334.1 CFRU|XP\_031883535.1 CFRU|XP\_031885738.1 CGLO|KAF3798023.1 CGLO|KAF3801957.1 CGLO|KAF3810043.1 CGLO|KAF3810850.1 CHIG|XP\_018154985.1 CHIG|XP\_018157764.1 CHIG|XP\_018158081.1 CVIN|KAF4911107.1 CVIN|KAF4915607.1 CVIN|KAF4917942.1 CVIN|KAF4919786.1 CVYL|A02392 CVYL|A02639 CVYL|A08333 FGRM|XP\_011320237.1 FGRM|XP\_011321166.1 FGRM|XP\_011321868.1 FGRM|XP\_011322850.1 FGRM|XP\_011324267.1 FGRM|XP\_011327308.1 FGRM|XP\_011327643.1 MORY|QBZ55865.1 MORY|QBZ65151.1 SSCL|APA09612.1

>Orthogroup236: ANID|CBF71392.1 ANID|CBF85749.1 ANID|CBF89709.1 BCIN|XP\_001554780.1 BCIN|XP\_024546268.1 BCIN|XP\_024546935.1 BCIN|XP\_024548221.1 CFRU|XP\_031877819.1 CFRU|XP\_031878680.1 CFRU|XP\_031881203.1 CFRU|XP\_031891819.1 CGLO|KAF3800075.1 CGLO|KAF3802474.1 CGLO|KAF3803837.1 CGLO|KAF3806610.1 CHIG|XP\_018151092.1 CHIG|XP\_018154209.1 CHIG|XP\_018154775.1 CHIG|XP\_018164245.1 CVIN|KAF4891447.1 CVIN|KAF4916877.1 CVIN|KAF4929743.1 CVYL|A02065 CVYL|A08963 CVYL|A12319 FGRM|XP\_011315670.1 FGRM|XP\_011317021.1 FGRM|XP\_011320745.1 FGRM|XP\_011326139.1 FGRM|XP\_011328021.1 MGRA|XP\_003849629.1 MGRA|XP\_003853525.1 MORY|QBZ55435.1 NCRA|XP\_964639.1 SSCL|APA12474.1 SSCL|APA15507.1

>Orthogroup237: ANID|CBF71489.1 BCIN|XP\_001554418.2 BCIN|XP\_001557419.2 BCIN|XP\_024548106.1 CFRU|XP\_031875736.1 CFRU|XP\_031876254.1 CFRU|XP\_031878485.1 CFRU|XP\_031886346.1 CFRU|XP\_031889829.1 CGLO|KAF3798633.1 CGLO|KAF3802007.1 CGLO|KAF3802336.1 CGLO|KAF3807588.1 CGLO|KAF3808440.1 CGLO|KAF3810559.1 CHIG|XP\_018151588.1 CHIG|XP\_018153280.1 CHIG|XP\_018156346.1 CVIN|KAF4892078.1 CVIN|KAF4928950.1 CVYL|A06171 CVYL|A08672 CVYL|A11699 CVYL|A13637 FGRM|XP\_011320706.1 FGRM|XP\_011322020.1 FGRM|XP\_011323209.1 FGRM|XP\_011327513.1 FGRM|XP\_011328858.1 MORY|QBZ60839.1 MORY|QBZ62021.1 NCRA|XP\_964375.1 SSCL|APA08685.1 SSCL|APA10360.1 SSCL|APA15662.1 SSCL|APA16013.1

>Orthogroup238: ANID|CBF73471.1 ANID|CBF82386.1 ANID|CBF84347.1 ANID|CBF89307.1 BCIN|XP\_001551859.1 BCIN|XP\_001556004.2 BCIN|XP\_024547560.1 CFRU|XP\_031877401.1 CFRU|XP\_031879806.1 CFRU|XP\_031883189.1 CFRU|XP\_031888636.1 CFRU|XP\_031889014.1 CGLO|KAF3799226.1 CGLO|KAF3803044.1 CGLO|KAF3804269.1 CGLO|KAF3808436.1 CHIG|XP\_018153591.1 CHIG|XP\_018154034.1 CHIG|XP\_018159846.1 CHIG|XP\_018163267.1 CVIN|KAF4909054.1 CVIN|KAF4909302.1 CVIN|KAF4929953.1 CVIN|KAF4931497.1 CVYL|A00056 CVYL|A03951 CVYL|A10120 CVYL|A11707 FGRM|XP\_011325783.1 MGRA|XP\_003856322.1 MLAR|XP\_007406183.1 MORY|QBZ60004.1 MORY|QBZ62666.1 NCRA|XP\_956346.1 SSCL|APA13932.1 SSCL|APA15228.1

>Orthogroup239: ANID|CBF73556.1 ANID|CBF78942.1 ANID|CBF79702.1 ANID|CBF81521.1 BCIN|XP\_001552855.1 BCIN|XP\_001555710.2 BCIN|XP\_024552333.1 CFRU|XP\_031878289.1 CFRU|XP\_031880622.1 CFRU|XP\_031887544.1 CGLO|KAF3803290.1 CGLO|KAF3809934.1 CHIG|XP\_018155451.1 CHIG|XP\_018158136.1 CHIG|XP\_018161140.1 CHIG|XP\_018161512.1 CVIN|KAF4927935.1 CVIN|KAF4928683.1 CVIN|KAF4930705.1 CVYL|A01690 CVYL|A03725 CVYL|A08259 FGRM|XP\_011318381.1 FGRM|XP\_011319578.1 FGRM|XP\_011323245.1 FGRM|XP\_011327965.1 MGRA|XP\_003852246.1 MGRA|XP\_003855679.1 MORY|QBZ58074.1 MORY|QBZ63391.1 MORY|QBZ64561.1 NCRA|XP\_957951.1 NCRA|XP\_962206.3 NCRA|XP\_962454.1 NCRA|XP\_964791.2 SSCL|APA13187.1

>Orthogroup240: ANID|CBF73577.1 ANID|CBF73579.1 ANID|CBF76273.1 ANID|CBF79191.1 ANID|CBF82104.1 BCIN|XP\_024546795.1 BCIN|XP\_024550941.1 CFRU|XP\_031879832.1 CFRU|XP\_031889842.1 CFRU|XP\_031890316.1 CFRU|XP\_031891262.1 CGLO|KAF3797433.1 CGLO|KAF3803000.1 CGLO|KAF3805233.1 CGLO|KAF3808335.1 CHIG|XP\_018153609.1 CHIG|XP\_018155495.1 CHIG|XP\_018157392.1 CHIG|XP\_018160336.1 CVIN|KAF4904109.1 CVIN|KAF4918676.1 CVIN|KAF4929414.1 CVIN|KAF4929950.1 CVYL|A00011 CVYL|A09217 CVYL|A10243 CVYL|A13883 FGRM|XP\_011319726.1 FGRM|XP\_011321233.1 FGRM|XP\_011322009.1 FGRM|XP\_011322508.1 FGRM|XP\_011328599.1 MGRA|XP\_003854154.1 MLAR|XP\_007414191.1 MORY|QBZ53459.1 SSCL|APA06094.1

>Orthogroup241: ANID|CBF73701.1 ANID|CBF74378.1 ANID|CBF80796.1 ANID|CBF81860.1 ANID|CBF85715.1 ANID|CBF86345.1 ANID|CBF88912.1 ANID|CBF89974.1 BCIN|XP\_001549274.2 BCIN|XP\_001559423.2 BCIN|XP\_024548039.1 CFRU|XP\_031875798.1 CFRU|XP\_031878311.1 CFRU|XP\_031880262.1 CGLO|KAF3797583.1 CGLO|KAF3798089.1 CGLO|KAF3809014.1 CHIG|XP\_018154154.1 CHIG|XP\_018155643.1 CHIG|XP\_018155851.1 CHIG|XP\_018164773.1 CVIN|KAF4912163.1 CVIN|KAF4918017.1 CVIN|KAF4927959.1 CVYL|A01583 CVYL|A03405 CVYL|A08273 FGRM|XP\_011321034.1 FGRM|XP\_011325658.1 FGRM|XP\_011325659.1 MGRA|XP\_003847666.1 MGRA|XP\_003855040.1 MGRA|XP\_003855544.1 MGRA|XP\_003857061.1 MGRA|XP\_003857479.1 SSCL|APA08279.1

>Orthogroup242: ANID|CBF75260.1 ANID|CBF75265.1 BCIN|XP\_001548987.2 BCIN|XP\_001548988.2 BCIN|XP\_024546027.1 BCIN|XP\_024553000.1 BGRA|VDB92878.1 CFRU|XP\_031889972.1 CFRU|XP\_031889977.1 CFRU|XP\_031889978.1 CGLO|KAF3799672.1 CGLO|KAF3802860.1 CHIG|XP\_018158457.1 CHIG|XP\_018158458.1 CVIN|KAF4895364.1 CVIN|KAF4899964.1 CVIN|KAF4899971.1 CVYL|A05152 CVYL|A05153 CVYL|A05835 FGRM|XP\_011316383.1 FGRM|XP\_011316384.1 FGRM|XP\_011316385.1 MGRA|XP\_003856255.1 MGRA|XP\_003856450.1 MGRA|XP\_003857363.1 MLAR|XP\_007405714.1 MLAR|XP\_007415321.1 MORY|QBZ55915.1 MORY|QBZ55942.1 NCRA|XP\_011392847.1 NCRA|XP\_964809.2 NCRA|XP\_964810.1 SSCL|APA07016.1 SSCL|APA07017.1 SSCL|APA07301.1

>Orthogroup243: ANID|CBF75857.1 ANID|CBF82342.1 ANID|CBF83194.1 ANID|CBF88877.1 BCIN|XP\_024547052.1 CFRU|XP\_031883506.1 CFRU|XP\_031883830.1 CFRU|XP\_031884723.1 CFRU|XP\_031884784.1 CFRU|XP\_031888758.1 CGLO|KAF3805683.1 CGLO|KAF3811905.1 CGLO|KAF3812099.1 CGLO|KAF3812121.1 CHIG|XP\_018153258.1 CHIG|XP\_018155152.1 CHIG|XP\_018158721.1 CVIN|KAF4911824.1 CVIN|KAF4918120.1 CVIN|KAF4918394.1 CVIN|KAF4920655.1 CVYL|A00277 CVYL|A00305 CVYL|A03860 CVYL|A06153 CVYL|A09866 FGRM|XP\_011318113.1 FGRM|XP\_011318266.1 FGRM|XP\_011323085.1 FGRM|XP\_011327623.1 MGRA|XP\_003849811.1 MGRA|XP\_003855984.1 MORY|QBZ60945.1 NCRA|XP\_956457.1 NCRA|XP\_958714.3 SSCL|APA14511.1

>Orthogroup244: ANID|CBF75992.1 ANID|CBF76652.1 BCIN|XP\_001552718.2 BGRA|VDB83721.1 BGRA|VDB89193.1 CFRU|XP\_031881501.1 CFRU|XP\_031886257.1 CFRU|XP\_031888216.1 CFRU|XP\_031889200.1 CGLO|KAF3803165.1 CGLO|KAF3803659.1 CGLO|KAF3806214.1 CHIG|XP\_018155510.1 CHIG|XP\_018162050.1 CHIG|XP\_018163799.1 CVIN|KAF4926645.1 CVIN|KAF4928353.1 CVIN|KAF4928501.1 CVIN|KAF4931469.1 CVYL|A01052 CVYL|A09815 CVYL|A11803 CVYL|A14592 FGRM|XP\_011317010.1 FGRM|XP\_011319670.1 FGRM|XP\_011321778.1 FGRM|XP\_011321991.1 FGRM|XP\_011328711.1 MGRA|XP\_003847730.1 MGRA|XP\_003849481.1 MGRA|XP\_003853705.1 MGRA|XP\_003857127.1 MORY|QBZ58121.1 NCRA|XP\_961795.1 NCRA|XP\_963121.2 SSCL|APA14071.1

>Orthogroup245: ANID|CBF77345.1 BCIN|XP\_024550380.1 BCIN|XP\_024551705.1 BGRA|VDB94878.1 CFRU|XP\_031878285.1 CFRU|XP\_031884705.1 CFRU|XP\_031886469.1 CFRU|XP\_031892180.1 CGLO|KAF3798072.1 CGLO|KAF3801024.1 CGLO|KAF3801317.1 CHIG|XP\_018152719.1 CHIG|XP\_018153324.1 CHIG|XP\_018161987.1 CHIG|XP\_018162177.1 CVIN|KAF4889708.1 CVIN|KAF4921578.1 CVIN|KAF4927998.1 CVIN|KAF4931486.1 CVYL|A00360 CVYL|A07768 CVYL|A08286 CVYL|A11779 FGRM|XP\_011318715.1 FGRM|XP\_011321881.1 FGRM|XP\_011322753.1 FGRM|XP\_011324074.1 MGRA|XP\_003853908.1 MGRA|XP\_003857723.1 MLAR|XP\_007409050.1 MORY|QBZ55244.1 MORY|QBZ59554.1 NCRA|XP\_956997.3 NCRA|XP\_965328.3 SSCL|APA11070.1 SSCL|APA14540.1

>Orthogroup246: ANID|CBF78065.1 ANID|CBF78981.1 ANID|CBF87301.1 BCIN|XP\_024552431.1 CFRU|XP\_031883271.1 CFRU|XP\_031886092.1 CFRU|XP\_031891569.1 CFRU|XP\_031892059.1 CFRU|XP\_031893509.1 CGLO|KAF3801292.1 CGLO|KAF3802347.1 CGLO|KAF3804685.1 CGLO|KAF3805502.1 CGLO|KAF3808077.1 CHIG|XP\_018152210.1 CHIG|XP\_018152779.1 CHIG|XP\_018161586.1 CHIG|XP\_018161755.1 CVIN|KAF4898351.1 CVIN|KAF4918319.1 CVIN|KAF4919227.1 CVIN|KAF4921564.1 CVIN|KAF4922832.1 CVYL|A05198 CVYL|A05626 CVYL|A07795 CVYL|A08156 CVYL|A13210 FGRM|XP\_011318323.1 FGRM|XP\_011318639.1 FGRM|XP\_011321310.1 FGRM|XP\_011322101.1 MGRA|XP\_003849590.1 MORY|QBZ57664.1 NCRA|XP\_963482.3 SSCL|APA14990.1

>Orthogroup247: ANID|CBF79090.1 ANID|CBF85580.1 BCIN|XP\_001551724.1 BCIN|XP\_024548731.1 BCIN|XP\_024548825.1 CFRU|XP\_031886626.1 CFRU|XP\_031888464.1 CGLO|KAF3797799.1 CGLO|KAF3807515.1 CHIG|XP\_018156460.1 CHIG|XP\_018158593.1 CVIN|KAF4917522.1 CVIN|KAF4923128.1 CVYL|A03027 CVYL|A05037 FGRM|XP\_011318591.1 FGRM|XP\_011322198.1 FGRM|XP\_011328407.1 MGRA|XP\_003849998.1 MGRA|XP\_003852295.1 MGRA|XP\_003855311.1 MLAR|XP\_007413872.1 MLAR|XP\_007417482.1 MLAR|XP\_007417483.1 MLAR|XP\_007417485.1 MLAR|XP\_007417486.1 MLAR|XP\_007417491.1 MORY|QBZ58959.1 MORY|QBZ60486.1 NCRA|XP\_959411.2 NCRA|XP\_959573.2 NCRA|XP\_965713.1 SSCL|APA08983.1 SSCL|APA09617.1 SSCL|APA09772.1 SSCL|APA11917.1

>Orthogroup248: ANID|CBF80630.1 ANID|CBF88272.1 BCIN|XP\_024550080.1 CFRU|XP\_031877975.1 CFRU|XP\_031879713.1 CFRU|XP\_031883126.1 CFRU|XP\_031883407.1 CFRU|XP\_031889901.1 CFRU|XP\_031890691.1 CFRU|XP\_031891256.1 CFRU|XP\_031893004.1 CGLO|KAF3798578.1 CGLO|KAF3801708.1 CGLO|KAF3804661.1 CGLO|KAF3806749.1 CGLO|KAF3807959.1 CGLO|KAF3809588.1 CGLO|KAF3810633.1 CGLO|KAF3810888.1 CHIG|XP\_018152601.1 CHIG|XP\_018154929.1 CHIG|XP\_018159223.1 CHIG|XP\_018159224.1 CVIN|KAF4901599.1 CVIN|KAF4913896.1 CVIN|KAF4916372.1 CVIN|KAF4919204.1 CVYL|A02256 CVYL|A04865 CVYL|A05224 CVYL|A08447 CVYL|A13718 FGRM|XP\_011325718.1 FGRM|XP\_011327426.1 MGRA|XP\_003856570.1 MORY|QBZ55017.1

>Orthogroup249: ANID|CBF83860.1 ANID|CBF84998.1 BCIN|XP\_001559117.1 BCIN|XP\_001561246.2 BCIN|XP\_024547527.1 CFRU|XP\_031879984.1 CFRU|XP\_031881085.1 CFRU|XP\_031884088.1 CFRU|XP\_031887029.1 CFRU|XP\_031891042.1 CGLO|KAF3800469.1 CGLO|KAF3801625.1 CGLO|KAF3811057.1 CGLO|KAF3811286.1 CHIG|XP\_018151387.1 CHIG|XP\_018153131.1 CHIG|XP\_018160511.1 CHIG|XP\_018161356.1 CVIN|KAF4917613.1 CVIN|KAF4918148.1 CVIN|KAF4922703.1 CVIN|KAF4927225.1 CVYL|A01852 CVYL|A04446 CVYL|A09740 CVYL|A12511 FGRM|XP\_011323531.1 FGRM|XP\_011323626.1 FGRM|XP\_011328197.1 MORY|QBZ58030.1 MORY|QBZ59981.1 NCRA|XP\_957838.1 NCRA|XP\_958630.1 SSCL|APA07216.1 SSCL|APA07706.1 SSCL|APA09044.1

>Orthogroup250: ANID|CBF85629.1 BCIN|XP\_001553969.2 BCIN|XP\_001554050.2 BCIN|XP\_001555756.1 BCIN|XP\_024549291.1 CFRU|XP\_031877273.1 CFRU|XP\_031879674.1 CFRU|XP\_031885125.1 CFRU|XP\_031885274.1 CFRU|XP\_031891800.1 CFRU|XP\_031893340.1 CFRU|XP\_031893542.1 CGLO|KAF3800055.1 CGLO|KAF3802013.1 CGLO|KAF3807768.1 CGLO|KAF3808116.1 CHIG|XP\_018152361.1 CHIG|XP\_018152816.1 CHIG|XP\_018158058.1 CHIG|XP\_018158079.1 CHIG|XP\_018165000.1 CVIN|KAF4909500.1 CVIN|KAF4914233.1 CVIN|KAF4919332.1 CVIN|KAF4920526.1 CVIN|KAF4920644.1 CVYL|A02441 CVYL|A06754 CVYL|A09463 FGRM|XP\_011317754.1 FGRM|XP\_011325986.1 MGRA|XP\_003847947.1 MGRA|XP\_003853416.1 MGRA|XP\_003856550.1 MORY|QBZ58090.1 SSCL|APA10117.1

>Orthogroup251: ANID|CBF87387.1 BCIN|XP\_001548259.1 BCIN|XP\_001558960.2 BCIN|XP\_024549993.1 BGRA|VDB94452.1 CFRU|XP\_031881063.1 CFRU|XP\_031883098.1 CFRU|XP\_031885344.1 CFRU|XP\_031886865.1 CGLO|KAF3806517.1 CGLO|KAF3808318.1 CGLO|KAF3809907.1 CGLO|KAF3811218.1 CHIG|XP\_018157554.1 CHIG|XP\_018160427.1 CHIG|XP\_018161493.1 CHIG|XP\_018163116.1 CVIN|KAF4921333.1 CVIN|KAF4924066.1 CVIN|KAF4930653.1 CVIN|KAF4931207.1 CVYL|A00649 CVYL|A01712 CVYL|A04385 CVYL|A09353 FGRM|XP\_011318646.1 FGRM|XP\_011327155.1 FGRM|XP\_011327982.1 MGRA|XP\_003856857.1 MLAR|XP\_007418384.1 MORY|QBZ57058.1 MORY|QBZ58928.1 NCRA|XP\_958599.1 SSCL|APA05318.1 SSCL|APA05827.1 SSCL|APA09932.1

>Orthogroup252: BCIN|XP\_001552831.1 BCIN|XP\_001553224.2 BGRA|VCU41352.1 CFRU|XP\_031875844.1 CFRU|XP\_031877061.1 CFRU|XP\_031879335.1 CGLO|KAF3805545.1 CGLO|KAF3808673.1 CGLO|KAF3811093.1 CHIG|XP\_018151578.1 CHIG|XP\_018152981.1 CHIG|XP\_018161839.1 CVIN|KAF4890966.1 CVIN|KAF4911085.1 CVIN|KAF4926126.1 CVYL|A05668 CVYL|A09701 CVYL|A11656 FGRM|XP\_011317424.1 MGRA|XP\_003852433.1 MLAR|XP\_007409787.1 MLAR|XP\_007409851.1 MLAR|XP\_007410141.1 MLAR|XP\_007412205.1 MLAR|XP\_007412206.1 MLAR|XP\_007413164.1 MLAR|XP\_007413506.1 MLAR|XP\_007414207.1 MLAR|XP\_007416104.1 MLAR|XP\_007417651.1 MLAR|XP\_007417652.1 MLAR|XP\_007417653.1 MORY|QBZ63025.1 NCRA|XP\_959686.1 SSCL|APA07608.1 SSCL|APA12072.1

>Orthogroup253: BGRA|VDB91097.1 SSCL|APA05251.1 SSCL|APA05858.1 SSCL|APA06422.1 SSCL|APA06458.1 SSCL|APA06564.1 SSCL|APA07399.1 SSCL|APA07400.1 SSCL|APA07555.1 SSCL|APA07573.1 SSCL|APA07728.1 SSCL|APA09119.1 SSCL|APA09241.1 SSCL|APA09315.1 SSCL|APA09316.1 SSCL|APA09338.1 SSCL|APA09345.1 SSCL|APA10088.1 SSCL|APA10722.1 SSCL|APA11526.1 SSCL|APA11527.1 SSCL|APA11746.1 SSCL|APA13150.1 SSCL|APA13800.1 SSCL|APA13893.1 SSCL|APA13904.1 SSCL|APA14053.1 SSCL|APA14054.1 SSCL|APA14084.1 SSCL|APA14085.1 SSCL|APA14521.1 SSCL|APA15575.1 SSCL|APA15659.1 SSCL|APA15803.1 SSCL|APA16120.1 SSCL|APA16354.1

>Orthogroup254: MLAR|XP\_007403692.1 MLAR|XP\_007403787.1 MLAR|XP\_007403930.1 MLAR|XP\_007404048.1 MLAR|XP\_007404573.1 MLAR|XP\_007406160.1 MLAR|XP\_007406479.1 MLAR|XP\_007406545.1 MLAR|XP\_007406547.1 MLAR|XP\_007407354.1 MLAR|XP\_007407406.1 MLAR|XP\_007407407.1 MLAR|XP\_007407570.1 MLAR|XP\_007407766.1 MLAR|XP\_007408247.1 MLAR|XP\_007409945.1 MLAR|XP\_007410171.1 MLAR|XP\_007410562.1 MLAR|XP\_007410736.1 MLAR|XP\_007411364.1 MLAR|XP\_007413541.1 MLAR|XP\_007414534.1 MLAR|XP\_007415132.1 MLAR|XP\_007415358.1 MLAR|XP\_007415948.1 MLAR|XP\_007416052.1 MLAR|XP\_007416260.1 MLAR|XP\_007416663.1 MLAR|XP\_007416666.1 MLAR|XP\_007417892.1 MLAR|XP\_007418198.1 MLAR|XP\_007418472.1 MLAR|XP\_007418888.1 MLAR|XP\_007418999.1 MLAR|XP\_007419294.1 MLAR|XP\_007419730.1

>Orthogroup255: MLAR|XP\_007404914.1 MLAR|XP\_007405884.1 MLAR|XP\_007406086.1 MLAR|XP\_007406296.1 MLAR|XP\_007406297.1 MLAR|XP\_007406298.1 MLAR|XP\_007406835.1 MLAR|XP\_007406985.1 MLAR|XP\_007407498.1 MLAR|XP\_007409602.1 MLAR|XP\_007410772.1 MLAR|XP\_007410774.1 MLAR|XP\_007410848.1 MLAR|XP\_007411034.1 MLAR|XP\_007411035.1 MLAR|XP\_007411121.1 MLAR|XP\_007411286.1 MLAR|XP\_007411381.1 MLAR|XP\_007411393.1 MLAR|XP\_007413010.1 MLAR|XP\_007413011.1 MLAR|XP\_007414908.1 MLAR|XP\_007415616.1 MLAR|XP\_007416419.1 MLAR|XP\_007416420.1 MLAR|XP\_007416436.1 MLAR|XP\_007416439.1 MLAR|XP\_007416860.1 MLAR|XP\_007417504.1 MLAR|XP\_007417505.1 MLAR|XP\_007417535.1 MLAR|XP\_007417953.1 MLAR|XP\_007418788.1 MLAR|XP\_007418800.1 MLAR|XP\_007419604.1 MLAR|XP\_007419605.1

>Orthogroup256: ANID|CBF73612.1 ANID|CBF82804.1 BCIN|XP\_001550078.1 BCIN|XP\_001560589.1 BCIN|XP\_024546734.1 BCIN|XP\_024550333.1 CFRU|XP\_031879652.1 CFRU|XP\_031884760.1 CFRU|XP\_031887194.1 CFRU|XP\_031889312.1 CGLO|KAF3798581.1 CGLO|KAF3801059.1 CGLO|KAF3808910.1 CGLO|KAF3809367.1 CHIG|XP\_018153266.1 CHIG|XP\_018153957.1 CHIG|XP\_018155784.1 CHIG|XP\_018156222.1 CVIN|KAF4902040.1 CVIN|KAF4918121.1 CVIN|KAF4920732.1 CVIN|KAF4930163.1 CVYL|A00307 CVYL|A01176 CVYL|A01576 CVYL|A04862 FGRM|XP\_011322317.1 MGRA|XP\_003857130.1 MLAR|XP\_007403618.1 MORY|QBZ62655.1 NCRA|XP\_011395022.1 SSCL|APA06823.1 SSCL|APA07916.1 SSCL|APA11010.1 SSCL|APA16046.1

>Orthogroup257: ANID|CBF74610.1 ANID|CBF81125.1 ANID|CBF82381.1 ANID|CBF84219.1 ANID|CBF87444.1 BCIN|XP\_001556041.2 BCIN|XP\_001558622.1 BCIN|XP\_024554084.1 CFRU|XP\_031888639.1 CFRU|XP\_031889645.1 CFRU|XP\_031891656.1 CGLO|KAF3804262.1 CGLO|KAF3809718.1 CGLO|KAF3810641.1 CHIG|XP\_018152733.1 CHIG|XP\_018155540.1 CHIG|XP\_018158972.1 CHIG|XP\_018164920.1 CVIN|KAF4909072.1 CVIN|KAF4917783.1 CVIN|KAF4921967.1 CVYL|A03944 CVYL|A06641 CVYL|A13725 FGRM|XP\_011315661.1 FGRM|XP\_011322489.1 FGRM|XP\_011327667.1 FGRM|XP\_011327874.1 MGRA|XP\_003848998.1 MGRA|XP\_003855430.1 MGRA|XP\_003856408.1 MORY|QBZ57758.1 MORY|QBZ66410.1 NCRA|XP\_955910.1 SSCL|APA05679.1

>Orthogroup258: ANID|CBF75109.1 ANID|CBF76686.1 ANID|CBF84137.1 ANID|CBF85351.1 ANID|CBF89119.1 BCIN|XP\_024547438.1 CFRU|XP\_031875382.1 CFRU|XP\_031876081.1 CFRU|XP\_031881009.1 CFRU|XP\_031881089.1 CFRU|XP\_031882962.1 CGLO|KAF3801785.1 CGLO|KAF3807964.1 CGLO|KAF3809877.1 CGLO|KAF3809902.1 CHIG|XP\_018159441.1 CHIG|XP\_018161438.1 CHIG|XP\_018161489.1 CVIN|KAF4916995.1 CVIN|KAF4919781.1 CVIN|KAF4924037.1 CVIN|KAF4930644.1 CVIN|KAF4930712.1 CVYL|A00664 CVYL|A01716 CVYL|A01739 CVYL|A01740 CVYL|A02430 FGRM|XP\_011322051.1 FGRM|XP\_011322607.1 MGRA|XP\_003857434.1 MORY|QBZ53692.1 MORY|QBZ59986.1 NCRA|XP\_963196.1 SSCL|APA15974.1

>Orthogroup259: ANID|CBF75152.1 ANID|CBF81741.1 ANID|CBF82143.1 BCIN|XP\_024547186.1 BCIN|XP\_024548371.1 BGRA|VCU39581.1 CFRU|XP\_031879805.1 CFRU|XP\_031884947.1 CFRU|XP\_031887400.1 CFRU|XP\_031889924.1 CGLO|KAF3803020.1 CGLO|KAF3809280.1 CGLO|KAF3810620.1 CGLO|KAF3812189.1 CHIG|XP\_018153727.1 CHIG|XP\_018156117.1 CHIG|XP\_018158977.1 CVIN|KAF4920972.1 CVIN|KAF4921055.1 CVIN|KAF4929970.1 CVYL|A00033 CVYL|A01474 FGRM|XP\_011319145.1 FGRM|XP\_011325095.1 FGRM|XP\_011327798.1 MGRA|XP\_003847873.1 MGRA|XP\_003848718.1 MLAR|XP\_007403483.1 MLAR|XP\_007409284.1 MORY|QBZ60329.1 MORY|QBZ60613.1 NCRA|XP\_959787.1 NCRA|XP\_961070.1 SSCL|APA12338.1 SSCL|APA14112.1

>Orthogroup260: ANID|CBF77966.1 ANID|CBF88738.1 BCIN|XP\_024550637.1 CFRU|XP\_031875553.1 CFRU|XP\_031876061.1 CFRU|XP\_031876077.1 CFRU|XP\_031877884.1 CFRU|XP\_031888080.1 CFRU|XP\_031891871.1 CGLO|KAF3801990.1 CGLO|KAF3802036.1 CGLO|KAF3804764.1 CGLO|KAF3808555.1 CHIG|XP\_018150749.1 CHIG|XP\_018154132.1 CHIG|XP\_018161925.1 CHIG|XP\_018164262.1 CVIN|KAF4906498.1 CVIN|KAF4910487.1 CVIN|KAF4919761.1 CVIN|KAF4919764.1 CVIN|KAF4929822.1 CVYL|A02421 CVYL|A03352 CVYL|A11590 FGRM|XP\_011315843.1 FGRM|XP\_011316001.1 FGRM|XP\_011321822.1 MGRA|XP\_003850078.1 MGRA|XP\_003852191.1 MGRA|XP\_003854050.1 MLAR|XP\_007404452.1 MLAR|XP\_007409857.1 MORY|QBZ63382.1 MORY|QBZ64625.1

>Orthogroup261: ANID|CBF79303.1 ANID|CBF82890.1 ANID|CBF83048.1 ANID|CBF89958.1 BCIN|XP\_001549005.2 BCIN|XP\_001550723.1 BCIN|XP\_001558116.1 BCIN|XP\_024551251.1 CFRU|XP\_031878209.1 CFRU|XP\_031885378.1 CFRU|XP\_031889039.1 CGLO|KAF3799184.1 CGLO|KAF3799493.1 CGLO|KAF3808522.1 CHIG|XP\_018153899.1 CHIG|XP\_018159792.1 CHIG|XP\_018160177.1 CHIG|XP\_018161258.1 CVIN|KAF4914901.1 CVIN|KAF4917640.1 CVIN|KAF4931882.1 CVYL|A10080 CVYL|A11618 CVYL|A13353 FGRM|XP\_011318145.1 FGRM|XP\_011322321.1 MGRA|XP\_003856978.1 MORY|QBZ54151.1 MORY|QBZ57825.1 MORY|QBZ58307.1 MORY|QBZ62729.1 NCRA|XP\_962420.1 NCRA|XP\_965604.1 SSCL|APA07002.1 SSCL|APA12965.1

>Orthogroup262: ANID|CBF80637.1 ANID|CBF87524.1 ANID|CBF89256.1 ANID|CBF89258.1 BCIN|XP\_024547651.1 CFRU|XP\_031876342.1 CFRU|XP\_031880755.1 CFRU|XP\_031886128.1 CFRU|XP\_031892927.1 CGLO|KAF3798409.1 CGLO|KAF3805426.1 CGLO|KAF3807414.1 CGLO|KAF3809928.1 CHIG|XP\_018156240.1 CHIG|XP\_018160293.1 CVIN|KAF4918722.1 CVIN|KAF4930405.1 CVIN|KAF4930408.1 CVIN|KAF4930676.1 CVYL|A01696 CVYL|A05556 CVYL|A08220 CVYL|A10894 CVYL|A11227 CVYL|A12769 FGRM|XP\_011323194.1 FGRM|XP\_011325237.1 FGRM|XP\_011328670.1 MORY|QBZ55420.1 MORY|QBZ56106.1 MORY|QBZ60813.1 NCRA|XP\_962174.3 SSCL|APA07677.1 SSCL|APA07746.1 SSCL|APA10647.1

>Orthogroup263: ANID|CBF81419.1 BCIN|XP\_024545909.1 BCIN|XP\_024546366.1 BCIN|XP\_024548711.1 BCIN|XP\_024553061.1 BGRA|VCU38751.1 BGRA|VCU41385.1 BGRA|VDB89298.1 CFRU|XP\_031877135.1 CFRU|XP\_031877198.1 CFRU|XP\_031890533.1 CGLO|KAF3803972.1 CGLO|KAF3804860.1 CHIG|XP\_018162313.1 CHIG|XP\_018164392.1 CVIN|KAF4918052.1 CVIN|KAF4921150.1 CVIN|KAF4925148.1 CVYL|A08829 CVYL|A12023 CVYL|A12213 FGRM|XP\_011316304.1 FGRM|XP\_011321701.1 FGRM|XP\_011324126.1 FGRM|XP\_011328742.1 MGRA|XP\_003851279.1 MGRA|XP\_003852097.1 MORY|QBZ55293.1 MORY|QBZ55740.1 NCRA|XP\_960090.1 NCRA|XP\_964278.3 SSCL|APA06852.1 SSCL|APA07324.1 SSCL|APA09978.1 SSCL|APA16256.1

>Orthogroup264: ANID|CBF81562.1 BCIN|XP\_001555114.2 BCIN|XP\_001555446.1 BCIN|XP\_001561080.1 CFRU|XP\_031877062.1 CFRU|XP\_031881657.1 CFRU|XP\_031883469.1 CFRU|XP\_031884748.1 CFRU|XP\_031888645.1 CGLO|KAF3799331.1 CGLO|KAF3800999.1 CGLO|KAF3810818.1 CGLO|KAF3811094.1 CHIG|XP\_018152982.1 CHIG|XP\_018154065.1 CHIG|XP\_018154311.1 CHIG|XP\_018154976.1 CHIG|XP\_018156753.1 CHIG|XP\_018163029.1 CVIN|KAF4899855.1 CVIN|KAF4911074.1 CVIN|KAF4912977.1 CVIN|KAF4913623.1 CVIN|KAF4924807.1 CVYL|A02009 CVYL|A04297 CVYL|A05907 CVYL|A10998 FGRM|XP\_011317649.1 FGRM|XP\_011320758.1 MGRA|XP\_003856555.1 MORY|QBZ63435.1 NCRA|XP\_958817.1 SSCL|APA06772.1 SSCL|APA08165.1

>Orthogroup265: ANID|CBF84502.1 ANID|CBF89996.1 BCIN|XP\_001546355.1 BCIN|XP\_001546360.1 BCIN|XP\_001548592.2 BCIN|XP\_001549079.1 BCIN|XP\_024552099.1 CFRU|XP\_031876965.1 CFRU|XP\_031880608.1 CFRU|XP\_031889872.1 CFRU|XP\_031889878.1 CGLO|KAF3799142.1 CGLO|KAF3805979.1 CHIG|XP\_018154998.1 CHIG|XP\_018158950.1 CVIN|KAF4917778.1 CVYL|A13741 FGRM|XP\_011315892.1 FGRM|XP\_011315893.1 FGRM|XP\_011315894.1 FGRM|XP\_011315896.1 FGRM|XP\_011315897.1 FGRM|XP\_011318153.1 FGRM|XP\_011318271.1 FGRM|XP\_011320832.1 FGRM|XP\_011320964.1 FGRM|XP\_011322611.1 FGRM|XP\_011325906.1 FGRM|XP\_011327567.1 MORY|QBZ53307.1 SSCL|APA05382.1 SSCL|APA05386.1 SSCL|APA05388.1 SSCL|APA11747.1 SSCL|APA12927.1

>Orthogroup266: ANID|CBF86203.1 BCIN|XP\_001552241.2 BCIN|XP\_024548046.1 BCIN|XP\_024552664.1 BGRA|VCU39264.1 CFRU|XP\_031877395.1 CFRU|XP\_031885536.1 CFRU|XP\_031889730.1 CFRU|XP\_031893276.1 CGLO|KAF3798664.1 CGLO|KAF3808434.1 CGLO|KAF3809543.1 CGLO|KAF3810577.1 CHIG|XP\_018157495.1 CHIG|XP\_018159032.1 CHIG|XP\_018162010.1 CVIN|KAF4914227.1 CVIN|KAF4918567.1 CVIN|KAF4919452.1 CVIN|KAF4931498.1 CVYL|A08479 CVYL|A09403 CVYL|A11709 CVYL|A13657 FGRM|XP\_011323552.1 FGRM|XP\_011325891.1 MGRA|XP\_003847712.1 MLAR|XP\_007410978.1 MLAR|XP\_007412214.1 MORY|QBZ54841.1 MORY|QBZ56574.1 NCRA|XP\_960326.1 NCRA|XP\_962289.2 SSCL|APA08283.1 SSCL|APA12909.1

>Orthogroup267: CFRU|XP\_031875996.1 CFRU|XP\_031876155.1 CFRU|XP\_031876966.1 CGLO|KAF3798284.1 CGLO|KAF3802356.1 CGLO|KAF3802951.1 CGLO|KAF3807984.1 CGLO|KAF3812026.1 CHIG|XP\_018150487.1 CHIG|XP\_018150534.1 CHIG|XP\_018150626.1 CHIG|XP\_018150632.1 CHIG|XP\_018150654.1 CHIG|XP\_018150681.1 CHIG|XP\_018150715.1 CHIG|XP\_018156573.1 CHIG|XP\_018156671.1 CVIN|KAF4892660.1 CVIN|KAF4920867.1 CVIN|KAF4922554.1 CVYL|A05437 CVYL|A08515 CVYL|A08658 CVYL|A09922 CVYL|A09941 CVYL|A09978 CVYL|A09992 FGRM|XP\_011325774.1 MGRA|XP\_003847123.1 MGRA|XP\_003847190.1 MORY|QBZ55037.1 MORY|QBZ57601.1 MORY|QBZ65468.1 MORY|QBZ66647.1 MORY|QBZ66704.1

>Orthogroup268: CFRU|XP\_031879053.1 CFRU|XP\_031883024.1 CFRU|XP\_031888161.1 CFRU|XP\_031889525.1 CFRU|XP\_031889702.1 CGLO|KAF3797617.1 CGLO|KAF3798836.1 CGLO|KAF3805956.1 CGLO|KAF3808228.1 CHIG|XP\_018151193.1 CHIG|XP\_018153084.1 CHIG|XP\_018154124.1 CHIG|XP\_018157606.1 CHIG|XP\_018158982.1 CHIG|XP\_018163183.1 CVIN|KAF4911880.1 CVIN|KAF4914249.1 CVIN|KAF4914259.1 CVIN|KAF4919583.1 CVYL|A00569 CVYL|A03375 CVYL|A09098 CVYL|A13766 FGRM|XP\_011325744.1 FGRM|XP\_011326187.1 MLAR|XP\_007409614.1 MLAR|XP\_007412327.1 MLAR|XP\_007412381.1 MLAR|XP\_007413866.1 MLAR|XP\_007413981.1 MORY|QBZ57544.1 MORY|QBZ57831.1 MORY|QBZ60863.1 MORY|QBZ64901.1 NCRA|XP\_957734.1

>Orthogroup269: MLAR|XP\_007403481.1 MLAR|XP\_007404284.1 MLAR|XP\_007405560.1 MLAR|XP\_007405851.1 MLAR|XP\_007406182.1 MLAR|XP\_007406346.1 MLAR|XP\_007406347.1 MLAR|XP\_007409028.1 MLAR|XP\_007409029.1 MLAR|XP\_007409032.1 MLAR|XP\_007409033.1 MLAR|XP\_007409112.1 MLAR|XP\_007409113.1 MLAR|XP\_007409675.1 MLAR|XP\_007410198.1 MLAR|XP\_007410699.1 MLAR|XP\_007410700.1 MLAR|XP\_007410984.1 MLAR|XP\_007411223.1 MLAR|XP\_007411464.1 MLAR|XP\_007411465.1 MLAR|XP\_007411466.1 MLAR|XP\_007411482.1 MLAR|XP\_007411612.1 MLAR|XP\_007411616.1 MLAR|XP\_007412129.1 MLAR|XP\_007413196.1 MLAR|XP\_007413285.1 MLAR|XP\_007413321.1 MLAR|XP\_007414108.1 MLAR|XP\_007414890.1 MLAR|XP\_007415881.1 MLAR|XP\_007415882.1 MLAR|XP\_007416665.1 MLAR|XP\_007418632.1

>Orthogroup270: MLAR|XP\_007403492.1 MLAR|XP\_007405047.1 MLAR|XP\_007405453.1 MLAR|XP\_007405651.1 MLAR|XP\_007405652.1 MLAR|XP\_007405862.1 MLAR|XP\_007406248.1 MLAR|XP\_007406397.1 MLAR|XP\_007406651.1 MLAR|XP\_007407047.1 MLAR|XP\_007407048.1 MLAR|XP\_007407597.1 MLAR|XP\_007407617.1 MLAR|XP\_007407957.1 MLAR|XP\_007408557.1 MLAR|XP\_007409984.1 MLAR|XP\_007411169.1 MLAR|XP\_007411185.1 MLAR|XP\_007414855.1 MLAR|XP\_007414859.1 MLAR|XP\_007414915.1 MLAR|XP\_007414972.1 MLAR|XP\_007415844.1 MLAR|XP\_007415860.1 MLAR|XP\_007415861.1 MLAR|XP\_007415952.1 MLAR|XP\_007415953.1 MLAR|XP\_007417332.1 MLAR|XP\_007417343.1 MLAR|XP\_007418731.1 MLAR|XP\_007418807.1 MLAR|XP\_007419291.1 MLAR|XP\_007419382.1 MLAR|XP\_007419383.1 MLAR|XP\_007419437.1

>Orthogroup271: MLAR|XP\_007405126.1 MLAR|XP\_007405429.1 MLAR|XP\_007405666.1 MLAR|XP\_007405740.1 MLAR|XP\_007406044.1 MLAR|XP\_007406142.1 MLAR|XP\_007406260.1 MLAR|XP\_007407956.1 MLAR|XP\_007409071.1 MLAR|XP\_007409430.1 MLAR|XP\_007409619.1 MLAR|XP\_007409958.1 MLAR|XP\_007410132.1 MLAR|XP\_007410216.1 MLAR|XP\_007411070.1 MLAR|XP\_007411576.1 MLAR|XP\_007411694.1 MLAR|XP\_007411781.1 MLAR|XP\_007411813.1 MLAR|XP\_007412287.1 MLAR|XP\_007412464.1 MLAR|XP\_007413171.1 MLAR|XP\_007413200.1 MLAR|XP\_007414504.1 MLAR|XP\_007414684.1 MLAR|XP\_007414760.1 MLAR|XP\_007415137.1 MLAR|XP\_007415164.1 MLAR|XP\_007415259.1 MLAR|XP\_007415492.1 MLAR|XP\_007416217.1 MLAR|XP\_007418158.1 MLAR|XP\_007418967.1 MLAR|XP\_007419422.1 MLAR|XP\_007419475.1

>Orthogroup272: ANID|CBF69357.1 ANID|CBF75938.1 ANID|CBF78377.1 ANID|CBF78415.1 ANID|CBF89352.1 BCIN|XP\_001554952.1 CFRU|XP\_031878978.1 CFRU|XP\_031881917.1 CFRU|XP\_031893226.1 CGLO|KAF3806082.1 CGLO|KAF3807886.1 CGLO|KAF3809637.1 CHIG|XP\_018152585.1 CHIG|XP\_018163086.1 CHIG|XP\_018164592.1 CVIN|KAF4896982.1 CVIN|KAF4909971.1 CVIN|KAF4922601.1 CVYL|A00727 CVYL|A07430 CVYL|A08409 FGRM|XP\_011322561.1 FGRM|XP\_011325148.1 FGRM|XP\_011328679.1 MGRA|XP\_003852305.1 MLAR|XP\_007410428.1 MLAR|XP\_007413888.1 MLAR|XP\_007413957.1 MLAR|XP\_007418082.1 MORY|QBZ63627.1 NCRA|XP\_961851.1 NCRA|XP\_962432.2 NCRA|XP\_963070.3 SSCL|APA08376.1

>Orthogroup273: ANID|CBF70684.1 ANID|CBF70985.1 ANID|CBF73878.1 ANID|CBF76072.1 ANID|CBF76571.1 ANID|CBF77622.1 ANID|CBF78018.1 ANID|CBF78361.1 ANID|CBF79546.1 ANID|CBF82083.1 ANID|CBF83505.1 ANID|CBF84126.1 ANID|CBF84396.1 ANID|CBF86544.1 ANID|CBF87422.1 ANID|CBF88413.1 ANID|CBF88708.1 ANID|CBF89022.1 ANID|CBF89295.1 CFRU|XP\_031875509.1 CFRU|XP\_031877570.1 CFRU|XP\_031882751.1 CHIG|XP\_018151194.1 CHIG|XP\_018151721.1 CVYL|A09950 MORY|QBZ57609.1 MORY|QBZ57610.1 MORY|QBZ57629.1 MORY|QBZ58273.1 NCRA|XP\_956808.1 NCRA|XP\_965377.1 SSCL|APA09045.1 SSCL|APA15849.1 SSCL|APA16216.1

>Orthogroup274: ANID|CBF70858.1 ANID|CBF71313.1 ANID|CBF76243.1 BCIN|XP\_001553849.1 BCIN|XP\_024554015.1 BGRA|VDB92684.1 CFRU|XP\_031877767.1 CFRU|XP\_031880628.1 CFRU|XP\_031892092.1 CGLO|KAF3800112.1 CGLO|KAF3809945.1 CGLO|KAF3810670.1 CHIG|XP\_018161525.1 CHIG|XP\_018162427.1 CHIG|XP\_018165050.1 CVIN|KAF4916953.1 CVIN|KAF4925857.1 CVIN|KAF4930714.1 CVYL|A01678 CVYL|A06803 CVYL|A07291 FGRM|XP\_011318385.1 FGRM|XP\_011318437.1 MGRA|XP\_003848892.1 MGRA|XP\_003850344.1 MLAR|XP\_007405911.1 MLAR|XP\_007405912.1 MLAR|XP\_007411343.1 MLAR|XP\_007412140.1 MORY|QBZ55707.1 NCRA|XP\_011393887.1 NCRA|XP\_958408.1 SSCL|APA13271.1 SSCL|APA15334.1

>Orthogroup275: ANID|CBF71445.1 ANID|CBF80140.1 BCIN|XP\_001555607.2 CFRU|XP\_031878761.1 CFRU|XP\_031880315.1 CFRU|XP\_031883697.1 CFRU|XP\_031884080.1 CFRU|XP\_031890796.1 CFRU|XP\_031893617.1 CGLO|KAF3797570.1 CGLO|KAF3800011.1 CGLO|KAF3800817.1 CGLO|KAF3808992.1 CGLO|KAF3810851.1 CGLO|KAF3811697.1 CHIG|XP\_018155410.1 CHIG|XP\_018156550.1 CHIG|XP\_018161362.1 CHIG|XP\_018161703.1 CHIG|XP\_018163172.1 CVIN|KAF4911108.1 CVIN|KAF4920855.1 CVIN|KAF4922468.1 CVIN|KAF4923583.1 CVYL|A01402 CVYL|A02289 CVYL|A08732 CVYL|A08976 CVYL|A10226 FGRM|XP\_011320920.1 MORY|QBZ61620.1 NCRA|XP\_011393995.1 NCRA|XP\_957374.3 NCRA|XP\_964644.1

>Orthogroup276: ANID|CBF73993.1 ANID|CBF80176.1 ANID|CBF87761.1 BCIN|XP\_001547222.1 BCIN|XP\_001549009.1 BCIN|XP\_001552683.1 BCIN|XP\_001555313.1 BCIN|XP\_001557064.1 BCIN|XP\_001557135.1 CFRU|XP\_031878256.1 CFRU|XP\_031883430.1 CFRU|XP\_031883801.1 CFRU|XP\_031889108.1 CGLO|KAF3798075.1 CGLO|KAF3801770.1 CGLO|KAF3803088.1 CGLO|KAF3805099.1 CHIG|XP\_018155581.1 CHIG|XP\_018159509.1 CHIG|XP\_018163421.1 CHIG|XP\_018165005.1 CVIN|KAF4922926.1 CVIN|KAF4928005.1 CVIN|KAF4929600.1 CVYL|A00980 CVYL|A06459 CVYL|A08282 CVYL|A12937 FGRM|XP\_011321825.1 MORY|QBZ58342.1 MORY|QBZ64385.1 MORY|QBZ65422.1 NCRA|XP\_965605.1 SSCL|APA13194.1

>Orthogroup277: ANID|CBF74263.1 BCIN|XP\_001554424.1 BGRA|VDB93722.1 CFRU|XP\_031875932.1 CFRU|XP\_031876686.1 CFRU|XP\_031878618.1 CFRU|XP\_031879973.1 CFRU|XP\_031881830.1 CFRU|XP\_031890079.1 CGLO|KAF3798490.1 CGLO|KAF3798739.1 CGLO|KAF3798973.1 CGLO|KAF3800631.1 CHIG|XP\_018151680.1 CHIG|XP\_018152053.1 CHIG|XP\_018152843.1 CHIG|XP\_018159409.1 CVIN|KAF4903200.1 CVIN|KAF4917487.1 CVIN|KAF4918184.1 CVIN|KAF4918702.1 CVIN|KAF4923470.1 CVIN|KAF4923472.1 CVYL|A02367 CVYL|A07891 CVYL|A09172 CVYL|A11171 CVYL|A13085 FGRM|XP\_011317217.1 MGRA|XP\_003855480.1 MGRA|XP\_003856981.1 MORY|QBZ57302.1 NCRA|XP\_956274.3 SSCL|APA12619.1

>Orthogroup278: ANID|CBF74979.1 ANID|CBF80191.1 ANID|CBF87511.1 BCIN|XP\_001547202.1 CFRU|XP\_031883673.1 CFRU|XP\_031884682.1 CFRU|XP\_031888742.1 CFRU|XP\_031889625.1 CFRU|XP\_031890114.1 CGLO|KAF3799289.1 CGLO|KAF3799669.1 CGLO|KAF3800229.1 CGLO|KAF3802831.1 CGLO|KAF3810643.1 CHIG|XP\_018154745.1 CHIG|XP\_018154901.1 CHIG|XP\_018155073.1 CHIG|XP\_018158981.1 CHIG|XP\_018159873.1 CVIN|KAF4895372.1 CVIN|KAF4905806.1 CVIN|KAF4917795.1 CVIN|KAF4921795.1 CVIN|KAF4924788.1 CVYL|A03640 CVYL|A05181 CVYL|A05832 CVYL|A12404 CVYL|A13727 FGRM|XP\_011322623.1 FGRM|XP\_011322940.1 MORY|QBZ53569.1 MORY|QBZ64405.1 NCRA|XP\_956437.1

>Orthogroup279: ANID|CBF75886.1 ANID|CBF80421.1 ANID|CBF80424.1 ANID|CBF87262.1 BCIN|XP\_001547340.2 CFRU|XP\_031882934.1 CFRU|XP\_031884189.1 CFRU|XP\_031884651.1 CFRU|XP\_031890997.1 CFRU|XP\_031892307.1 CGLO|KAF3801519.1 CGLO|KAF3806648.1 CGLO|KAF3807909.1 CGLO|KAF3811029.1 CHIG|XP\_018152620.1 CHIG|XP\_018153003.1 CHIG|XP\_018158306.1 CHIG|XP\_018159926.1 CVIN|KAF4898147.1 CVIN|KAF4898618.1 CVIN|KAF4913291.1 CVIN|KAF4918150.1 CVYL|A05800 CVYL|A09761 CVYL|A10566 CVYL|A12614 FGRM|XP\_011327429.1 MGRA|XP\_003853592.1 MGRA|XP\_003854462.1 MORY|QBZ60709.1 MORY|QBZ62397.1 MORY|QBZ64598.1 MORY|QBZ65170.1 SSCL|APA09122.1

>Orthogroup280: ANID|CBF77312.1 ANID|CBF78417.1 ANID|CBF80813.1 ANID|CBF84491.1 BCIN|XP\_001554951.1 BCIN|XP\_001559251.1 CFRU|XP\_031883456.1 CFRU|XP\_031885806.1 CFRU|XP\_031886656.1 CFRU|XP\_031889464.1 CGLO|KAF3800218.1 CGLO|KAF3801195.1 CGLO|KAF3808876.1 CGLO|KAF3810231.1 CHIG|XP\_018155121.1 CHIG|XP\_018155199.1 CHIG|XP\_018162503.1 CVIN|KAF4920416.1 CVIN|KAF4929094.1 CVIN|KAF4932098.1 CVYL|A01206 CVYL|A02830 CVYL|A06068 CVYL|A07139 FGRM|XP\_011322030.1 FGRM|XP\_011322383.1 MGRA|XP\_003850471.1 MGRA|XP\_003851936.1 MORY|QBZ55868.1 MORY|QBZ64989.1 NCRA|XP\_955806.1 NCRA|XP\_957687.1 SSCL|APA08375.1 SSCL|APA08940.1

>Orthogroup281: ANID|CBF78247.1 BCIN|XP\_024547801.1 BCIN|XP\_024550753.1 CFRU|XP\_031879329.1 CFRU|XP\_031882669.1 CFRU|XP\_031883547.1 CFRU|XP\_031885050.1 CFRU|XP\_031888704.1 CFRU|XP\_031889364.1 CFRU|XP\_031892169.1 CGLO|KAF3799231.1 CGLO|KAF3803875.1 CGLO|KAF3807698.1 CGLO|KAF3808656.1 CGLO|KAF3809800.1 CGLO|KAF3810874.1 CHIG|XP\_018156512.1 CHIG|XP\_018162933.1 CVIN|KAF4909300.1 CVIN|KAF4916367.1 CVIN|KAF4918875.1 CVIN|KAF4919308.1 CVIN|KAF4925425.1 CVYL|A02271 CVYL|A06719 CVYL|A07253 CVYL|A08925 CVYL|A10123 FGRM|XP\_011318123.1 FGRM|XP\_011328751.1 MORY|QBZ59342.1 NCRA|XP\_957711.3 SSCL|APA08076.1 SSCL|APA11663.1

>Orthogroup282: ANID|CBF78465.1 ANID|CBF89406.1 BCIN|XP\_024551133.1 CFRU|XP\_031878282.1 CFRU|XP\_031885284.1 CFRU|XP\_031890057.1 CGLO|KAF3798063.1 CGLO|KAF3798756.1 CGLO|KAF3807798.1 CHIG|XP\_018158158.1 CVIN|KAF4903207.1 CVIN|KAF4917906.1 CVIN|KAF4921515.1 CVIN|KAF4927970.1 CVYL|A00804 CVYL|A08294 CVYL|A09163 FGRM|XP\_011319620.1 FGRM|XP\_011321819.1 FGRM|XP\_011322339.1 MGRA|XP\_003847905.1 MGRA|XP\_003850684.1 MGRA|XP\_003852313.1 MGRA|XP\_003852808.1 MLAR|XP\_007403866.1 MLAR|XP\_007416084.1 MORY|QBZ53512.1 MORY|QBZ56745.1 MORY|QBZ60627.1 MORY|QBZ63990.1 MORY|QBZ64236.1 MORY|QBZ64500.1 NCRA|XP\_960539.2 NCRA|XP\_960658.1

>Orthogroup283: ANID|CBF79959.1 BCIN|XP\_024548373.1 BCIN|XP\_024549834.1 BCIN|XP\_024550346.1 BGRA|VDB85994.1 CFRU|XP\_031875617.1 CFRU|XP\_031876209.1 CFRU|XP\_031876210.1 CFRU|XP\_031876324.1 CFRU|XP\_031880417.1 CFRU|XP\_031883729.1 CFRU|XP\_031892475.1 CFRU|XP\_031892476.1 CGLO|KAF3807311.1 CGLO|KAF3807652.1 CHIG|XP\_018156986.1 CVIN|KAF4918092.1 CVIN|KAF4918095.1 CVIN|KAF4920689.1 CVYL|A10423 CVYL|A10798 FGRM|XP\_011326170.1 FGRM|XP\_011328329.1 MLAR|XP\_007406083.1 MORY|QBZ57627.1 MORY|QBZ57628.1 MORY|QBZ58510.1 MORY|QBZ65869.1 NCRA|XP\_965751.3 SSCL|APA09150.1 SSCL|APA11026.1 SSCL|APA11283.1 SSCL|APA13355.1 SSCL|APA13395.1

>Orthogroup284: ANID|CBF80410.1 CFRU|XP\_031879917.1 CFRU|XP\_031880105.1 CFRU|XP\_031893528.1 CGLO|KAF3798948.1 CGLO|KAF3809475.1 CGLO|KAF3811806.1 CHIG|XP\_018151726.1 CHIG|XP\_018152697.1 CHIG|XP\_018152876.1 CVIN|KAF4921271.1 CVIN|KAF4923507.1 CVIN|KAF4924879.1 CVYL|A07864 CVYL|A10042 CVYL|A12810 FGRM|XP\_011319515.1 FGRM|XP\_011322469.1 FGRM|XP\_011326173.1 FGRM|XP\_011328478.1 MLAR|XP\_007404840.1 MLAR|XP\_007404853.1 MLAR|XP\_007406256.1 MLAR|XP\_007407276.1 MLAR|XP\_007411904.1 MLAR|XP\_007417367.1 MLAR|XP\_007418493.1 MLAR|XP\_007418494.1 MLAR|XP\_007418507.1 MLAR|XP\_007418508.1 MORY|QBZ55116.1 MORY|QBZ66758.1 NCRA|XP\_961783.2 NCRA|XP\_963236.2

>Orthogroup285: ANID|CBF82047.1 ANID|CBF82525.1 ANID|CBF83535.1 BCIN|XP\_001550900.1 BCIN|XP\_001552823.2 BCIN|XP\_024554064.1 CFRU|XP\_031875888.1 CFRU|XP\_031881525.1 CFRU|XP\_031884159.1 CFRU|XP\_031891039.1 CGLO|KAF3801628.1 CGLO|KAF3802663.1 CGLO|KAF3805718.1 CHIG|XP\_018151392.1 CHIG|XP\_018157718.1 CHIG|XP\_018163635.1 CVIN|KAF4895168.1 CVIN|KAF4921202.1 CVIN|KAF4926637.1 CVYL|A09827 CVYL|A12509 CVYL|A13601 FGRM|XP\_011315859.1 FGRM|XP\_011317515.1 MGRA|XP\_003852319.1 MGRA|XP\_003854112.1 MGRA|XP\_003855928.1 MGRA|XP\_003857485.1 MLAR|XP\_007417256.1 MORY|QBZ63106.1 NCRA|XP\_963274.1 SSCL|APA07603.1 SSCL|APA12395.1 SSCL|APA15451.1

>Orthogroup286: ANID|CBF82817.1 ANID|CBF83072.1 ANID|CBF86619.1 BCIN|XP\_001550345.1 BCIN|XP\_001551253.2 BCIN|XP\_001551761.1 BGRA|VDB89854.1 CFRU|XP\_031875490.1 CFRU|XP\_031875502.1 CFRU|XP\_031875517.1 CFRU|XP\_031875656.1 CFRU|XP\_031877583.1 CFRU|XP\_031882988.1 CFRU|XP\_031888728.1 CFRU|XP\_031890584.1 CGLO|KAF3800771.1 CGLO|KAF3804134.1 CGLO|KAF3806714.1 CHIG|XP\_018158690.1 CHIG|XP\_018159976.1 CVIN|KAF4910272.1 CVIN|KAF4919475.1 CVIN|KAF4919655.1 CVYL|A00433 CVYL|A03607 CVYL|A14021 FGRM|XP\_011326724.1 FGRM|XP\_011328265.1 MGRA|XP\_003852461.1 MORY|QBZ60464.1 NCRA|XP\_001728262.2 SSCL|APA10048.1 SSCL|APA11991.1 SSCL|APA13246.1

>Orthogroup287: ANID|CBF84834.1 ANID|CBF86439.1 BCIN|XP\_001552353.1 BCIN|XP\_024546369.1 BGRA|VDB86064.1 CFRU|XP\_031877150.1 CFRU|XP\_031881422.1 CFRU|XP\_031885627.1 CFRU|XP\_031888016.1 CGLO|KAF3802094.1 CGLO|KAF3803968.1 CGLO|KAF3805724.1 CGLO|KAF3810138.1 CHIG|XP\_018154243.1 CHIG|XP\_018157971.1 CHIG|XP\_018163627.1 CVIN|KAF4912154.1 CVIN|KAF4917968.1 CVIN|KAF4925143.1 CVIN|KAF4926586.1 CVYL|A02729 CVYL|A03296 CVYL|A08833 CVYL|A09819 FGRM|XP\_011320314.1 MGRA|XP\_003849875.1 MGRA|XP\_003852894.1 MGRA|XP\_003855740.1 MORY|QBZ53606.1 MORY|QBZ59905.1 MORY|QBZ64744.1 NCRA|XP\_958633.1 SSCL|APA06844.1 SSCL|APA11179.1

>Orthogroup288: BCIN|XP\_001546261.1 BCIN|XP\_001550232.1 BCIN|XP\_001552498.1 BCIN|XP\_001560376.1 CFRU|XP\_031876021.1 CFRU|XP\_031878804.1 CFRU|XP\_031883982.1 CFRU|XP\_031893046.1 CGLO|KAF3797305.1 CGLO|KAF3797497.1 CGLO|KAF3798374.1 CGLO|KAF3805108.1 CHIG|XP\_018152735.1 CHIG|XP\_018157204.1 CHIG|XP\_018161276.1 CVIN|KAF4899571.1 CVIN|KAF4921625.1 CVIN|KAF4922847.1 CVIN|KAF4927393.1 CVYL|A01946 CVYL|A06450 CVYL|A08199 CVYL|A10390 FGRM|XP\_011317952.1 FGRM|XP\_011320199.1 FGRM|XP\_011322106.1 MORY|QBZ65603.1 NCRA|XP\_958697.1 NCRA|XP\_963407.1 NCRA|XP\_963408.2 SSCL|APA08792.1 SSCL|APA10258.1 SSCL|APA10765.1 SSCL|APA16345.1

>Orthogroup289: BGRA|VCU38836.1 BGRA|VCU38974.1 BGRA|VCU39152.1 BGRA|VCU39882.1 BGRA|VCU40269.1 BGRA|VCU40673.1 BGRA|VCU40984.1 BGRA|VCU41001.1 BGRA|VCU41192.1 BGRA|VDB83986.1 BGRA|VDB85892.1 BGRA|VDB87719.1 BGRA|VDB88045.1 BGRA|VDB88092.1 BGRA|VDB89039.1 BGRA|VDB89041.1 BGRA|VDB89042.1 BGRA|VDB89055.1 BGRA|VDB89091.1 BGRA|VDB89628.1 BGRA|VDB89755.1 BGRA|VDB89881.1 BGRA|VDB91367.1 BGRA|VDB92443.1 BGRA|VDB92635.1 BGRA|VDB92736.1 BGRA|VDB93077.1 BGRA|VDB94450.1 BGRA|VDB94465.1 BGRA|VDB94495.1 BGRA|VDB94508.1 BGRA|VDB94624.1 BGRA|VDB94676.1 BGRA|VDB94694.1

>Orthogroup290: BGRA|VCU39199.1 BGRA|VCU39310.1 BGRA|VCU39560.1 BGRA|VCU39567.1 BGRA|VCU39995.1 BGRA|VCU40047.1 BGRA|VCU40164.1 BGRA|VCU40739.1 BGRA|VCU40867.1 BGRA|VCU41375.1 BGRA|VDB83566.1 BGRA|VDB83591.1 BGRA|VDB83685.1 BGRA|VDB85768.1 BGRA|VDB85898.1 BGRA|VDB86140.1 BGRA|VDB86387.1 BGRA|VDB87975.1 BGRA|VDB88032.1 BGRA|VDB88152.1 BGRA|VDB88244.1 BGRA|VDB88759.1 BGRA|VDB88935.1 BGRA|VDB89205.1 BGRA|VDB89280.1 BGRA|VDB89781.1 BGRA|VDB89789.1 BGRA|VDB89807.1 BGRA|VDB92770.1 BGRA|VDB92816.1 BGRA|VDB92935.1 BGRA|VDB93611.1 BGRA|VDB94856.1 BGRA|VDB94979.1

>Orthogroup291: CVIN|KAF4924071.1 MLAR|XP\_007403543.1 MLAR|XP\_007403544.1 MLAR|XP\_007403872.1 MLAR|XP\_007405192.1 MLAR|XP\_007407731.1 MLAR|XP\_007407732.1 MLAR|XP\_007408363.1 MLAR|XP\_007408738.1 MLAR|XP\_007408888.1 MLAR|XP\_007408889.1 MLAR|XP\_007411549.1 MLAR|XP\_007412143.1 MLAR|XP\_007412757.1 MLAR|XP\_007412805.1 MLAR|XP\_007413009.1 MLAR|XP\_007414493.1 MLAR|XP\_007414494.1 MLAR|XP\_007417375.1 MLAR|XP\_007417643.1 MLAR|XP\_007417644.1 MLAR|XP\_007418229.1 MLAR|XP\_007418231.1 MLAR|XP\_007418727.1 MLAR|XP\_007418728.1 MLAR|XP\_007418760.1 MLAR|XP\_007418834.1 MLAR|XP\_007418841.1 MLAR|XP\_007419010.1 MLAR|XP\_007419013.1 MLAR|XP\_007419113.1 MLAR|XP\_007419185.1 MLAR|XP\_007419579.1 SSCL|APA16180.1

>Orthogroup292: MLAR|XP\_007403613.1 MLAR|XP\_007403698.1 MLAR|XP\_007404147.1 MLAR|XP\_007405291.1 MLAR|XP\_007405430.1 MLAR|XP\_007405667.1 MLAR|XP\_007406045.1 MLAR|XP\_007406091.1 MLAR|XP\_007406162.1 MLAR|XP\_007406261.1 MLAR|XP\_007406500.1 MLAR|XP\_007407747.1 MLAR|XP\_007407917.1 MLAR|XP\_007407960.1 MLAR|XP\_007408453.1 MLAR|XP\_007408561.1 MLAR|XP\_007408644.1 MLAR|XP\_007408895.1 MLAR|XP\_007409109.1 MLAR|XP\_007409318.1 MLAR|XP\_007409415.1 MLAR|XP\_007411782.1 MLAR|XP\_007413990.1 MLAR|XP\_007414623.1 MLAR|XP\_007414761.1 MLAR|XP\_007415260.1 MLAR|XP\_007415552.1 MLAR|XP\_007416218.1 MLAR|XP\_007416731.1 MLAR|XP\_007418131.1 MLAR|XP\_007418274.1 MLAR|XP\_007418854.1 MLAR|XP\_007419359.1 MLAR|XP\_007419499.1

>Orthogroup293: MLAR|XP\_007404895.1 MLAR|XP\_007404940.1 MLAR|XP\_007405510.1 MLAR|XP\_007406537.1 MLAR|XP\_007406541.1 MLAR|XP\_007407303.1 MLAR|XP\_007408887.1 MLAR|XP\_007408894.1 MLAR|XP\_007411103.1 MLAR|XP\_007412127.1 MLAR|XP\_007413005.1 MLAR|XP\_007413006.1 MLAR|XP\_007413539.1 MLAR|XP\_007413654.1 MLAR|XP\_007413987.1 MLAR|XP\_007414475.1 MLAR|XP\_007414548.1 MLAR|XP\_007415142.1 MLAR|XP\_007415409.1 MLAR|XP\_007415536.1 MLAR|XP\_007415945.1 MLAR|XP\_007416980.1 MLAR|XP\_007417388.1 MLAR|XP\_007418032.1 MLAR|XP\_007418033.1 MLAR|XP\_007418096.1 MLAR|XP\_007418410.1 MLAR|XP\_007418446.1 MLAR|XP\_007418779.1 MLAR|XP\_007419181.1 MLAR|XP\_007419266.1 MLAR|XP\_007419267.1 MLAR|XP\_007419480.1 MLAR|XP\_007419575.1

>Orthogroup294: ANID|CBF69451.1 ANID|CBF73494.1 ANID|CBF80428.1 ANID|CBF82812.1 ANID|CBF83139.1 ANID|CBF86046.1 ANID|CBF88295.1 ANID|CBF89312.1 BCIN|XP\_024547379.1 BCIN|XP\_024547562.1 BCIN|XP\_024548101.1 BCIN|XP\_024550097.1 BCIN|XP\_024554044.1 CFRU|XP\_031883769.1 CFRU|XP\_031891921.1 CGLO|KAF3801387.1 CGLO|KAF3805179.1 CHIG|XP\_018151663.1 CHIG|XP\_018154037.1 CHIG|XP\_018154091.1 CHIG|XP\_018158294.1 CHIG|XP\_018158298.1 CHIG|XP\_018160085.1 CVIN|KAF4927413.1 CVYL|A00313 CVYL|A05680 CVYL|A06574 CVYL|A07696 FGRM|XP\_011320993.1 MORY|QBZ53539.1 MORY|QBZ61777.1 SSCL|APA09955.1 SSCL|APA16268.1

>Orthogroup295: ANID|CBF69639.1 ANID|CBF73765.1 BCIN|XP\_024546167.1 BCIN|XP\_024549953.1 BCIN|XP\_024553826.1 BGRA|VDB93431.1 BGRA|VDB93584.1 CFRU|XP\_031876195.1 CFRU|XP\_031876291.1 CFRU|XP\_031877176.1 CFRU|XP\_031886336.1 CGLO|KAF3806409.1 CHIG|XP\_018162291.1 CHIG|XP\_018162292.1 CVIN|KAF4923258.1 CVIN|KAF4923285.1 CVYL|A12002 FGRM|XP\_011326577.1 FGRM|XP\_011326578.1 MGRA|XP\_003850312.1 MGRA|XP\_003853893.1 MLAR|XP\_007410531.1 MLAR|XP\_007411410.1 MLAR|XP\_007412666.1 MLAR|XP\_007415412.1 MLAR|XP\_007415416.1 MLAR|XP\_007416452.1 MLAR|XP\_007419684.1 MORY|QBZ63906.1 NCRA|XP\_956165.3 NCRA|XP\_956166.2 SSCL|APA05293.1 SSCL|APA15249.1

>Orthogroup296: ANID|CBF71186.1 ANID|CBF77661.1 ANID|CBF80314.1 BCIN|XP\_001550077.1 BCIN|XP\_001552698.1 BCIN|XP\_024546447.1 BCIN|XP\_024547538.1 BCIN|XP\_024548409.1 BCIN|XP\_024552770.1 CFRU|XP\_031889324.1 CFRU|XP\_031891393.1 CFRU|XP\_031893460.1 CGLO|KAF3803093.1 CGLO|KAF3804596.1 CGLO|KAF3809583.1 CHIG|XP\_018152603.1 CHIG|XP\_018155590.1 CHIG|XP\_018161671.1 CVIN|KAF4919202.1 CVIN|KAF4923083.1 CVIN|KAF4929554.1 CVYL|A00985 CVYL|A05282 CVYL|A08448 FGRM|XP\_011322566.1 FGRM|XP\_011325357.1 MORY|QBZ55820.1 NCRA|XP\_959790.3 SSCL|APA07112.1 SSCL|APA07504.1 SSCL|APA12288.1 SSCL|APA14102.1 SSCL|APA16047.1

>Orthogroup297: ANID|CBF71681.1 ANID|CBF82188.1 BCIN|XP\_024550302.1 BCIN|XP\_024551222.1 CFRU|XP\_031875982.1 CFRU|XP\_031877438.1 CFRU|XP\_031886463.1 CFRU|XP\_031888915.1 CGLO|KAF3804289.1 CGLO|KAF3808449.1 CHIG|XP\_018150614.1 CHIG|XP\_018160167.1 CHIG|XP\_018162171.1 CVIN|KAF4915204.1 CVIN|KAF4919513.1 CVIN|KAF4920141.1 CVIN|KAF4931483.1 CVYL|A03973 CVYL|A11692 CVYL|A11774 CVYL|A14061 FGRM|XP\_011322246.1 FGRM|XP\_011324069.1 MGRA|XP\_003855426.1 MLAR|XP\_007410430.1 MLAR|XP\_007411020.1 MLAR|XP\_007411815.1 MLAR|XP\_007418300.1 MORY|QBZ59580.1 NCRA|XP\_011393932.1 NCRA|XP\_956692.2 SSCL|APA10120.1 SSCL|APA10965.1

>Orthogroup298: ANID|CBF73870.1 ANID|CBF78290.1 BCIN|XP\_024547734.1 BCIN|XP\_024550840.1 CFRU|XP\_031878217.1 CFRU|XP\_031880989.1 CFRU|XP\_031885412.1 CGLO|KAF3799425.1 CGLO|KAF3800458.1 CGLO|KAF3808472.1 CHIG|XP\_018150710.1 CHIG|XP\_018152297.1 CHIG|XP\_018155550.1 CHIG|XP\_018161367.1 CHIG|XP\_018161950.1 CVIN|KAF4915216.1 CVIN|KAF4931733.1 CVYL|A11669 CVYL|A13289 FGRM|XP\_011322488.1 FGRM|XP\_011323661.1 FGRM|XP\_011325204.1 MGRA|XP\_003847275.1 MGRA|XP\_003847299.1 MGRA|XP\_003847693.1 MGRA|XP\_003854880.1 MORY|QBZ56915.1 MORY|QBZ64783.1 MORY|QBZ64784.1 MORY|QBZ65109.1 NCRA|XP\_011393549.1 NCRA|XP\_959312.2 SSCL|APA07984.1

>Orthogroup299: ANID|CBF74187.1 ANID|CBF80165.1 ANID|CBF81654.1 BCIN|XP\_024547006.1 BCIN|XP\_024547023.1 CFRU|XP\_031876684.1 CFRU|XP\_031880827.1 CFRU|XP\_031883672.1 CFRU|XP\_031889007.1 CGLO|KAF3800230.1 CGLO|KAF3801912.1 CGLO|KAF3804195.1 CGLO|KAF3806914.1 CHIG|XP\_018155074.1 CHIG|XP\_018159428.1 CHIG|XP\_018159596.1 CVIN|KAF4890284.1 CVIN|KAF4918386.1 CVIN|KAF4921794.1 CVYL|A02557 CVYL|A03870 CVYL|A12405 FGRM|XP\_011320181.1 FGRM|XP\_011320913.1 FGRM|XP\_011323160.1 MGRA|XP\_003849409.1 MORY|QBZ55175.1 MORY|QBZ59163.1 MORY|QBZ59165.1 MORY|QBZ66193.1 NCRA|XP\_958451.2 SSCL|APA05881.1 SSCL|APA08470.1

>Orthogroup300: ANID|CBF75954.1 ANID|CBF78736.1 BCIN|XP\_024550245.1 BCIN|XP\_024552715.1 CFRU|XP\_031881290.1 CFRU|XP\_031884205.1 CFRU|XP\_031885041.1 CFRU|XP\_031886490.1 CFRU|XP\_031890794.1 CFRU|XP\_031893001.1 CGLO|KAF3806243.1 CGLO|KAF3807693.1 CGLO|KAF3809671.1 CGLO|KAF3810971.1 CGLO|KAF3811017.1 CGLO|KAF3811689.1 CHIG|XP\_018151832.1 CHIG|XP\_018162080.1 CVIN|KAF4915943.1 CVIN|KAF4921837.1 CVIN|KAF4925038.1 CVIN|KAF4926895.1 CVIN|KAF4927834.1 CVIN|KAF4931447.1 CVYL|A02178 CVYL|A06886 CVYL|A09601 CVYL|A09771 CVYL|A11832 CVYL|A12714 FGRM|XP\_011322355.1 MGRA|XP\_003857809.1 SSCL|APA10650.1

>Orthogroup301: ANID|CBF76682.1 ANID|CBF78891.1 ANID|CBF85353.1 BCIN|XP\_024547440.1 BCIN|XP\_024548911.1 CFRU|XP\_031876058.1 CFRU|XP\_031878880.1 CFRU|XP\_031880175.1 CFRU|XP\_031881010.1 CFRU|XP\_031891674.1 CGLO|KAF3800125.1 CGLO|KAF3801997.1 CGLO|KAF3802626.1 CGLO|KAF3809876.1 CHIG|XP\_018159437.1 CHIG|XP\_018161297.1 CHIG|XP\_018161439.1 CVIN|KAF4905505.1 CVIN|KAF4907635.1 CVIN|KAF4919759.1 CVIN|KAF4925845.1 CVIN|KAF4930718.1 CVYL|A01741 CVYL|A01922 CVYL|A02428 CVYL|A06812 FGRM|XP\_011321402.1 FGRM|XP\_011322535.1 MLAR|XP\_007403662.1 MLAR|XP\_007419077.1 MORY|QBZ54105.1 MORY|QBZ59987.1 SSCL|APA15976.1

>Orthogroup302: ANID|CBF78974.1 ANID|CBF82132.1 ANID|CBF88938.1 CFRU|XP\_031883199.1 CFRU|XP\_031888655.1 CFRU|XP\_031888757.1 CFRU|XP\_031889095.1 CFRU|XP\_031889883.1 CFRU|XP\_031891962.1 CGLO|KAF3799185.1 CGLO|KAF3801245.1 CGLO|KAF3804161.1 CGLO|KAF3805962.1 CGLO|KAF3808159.1 CGLO|KAF3808897.1 CHIG|XP\_018159793.1 CHIG|XP\_018160000.1 CHIG|XP\_018164879.1 CVIN|KAF4914904.1 CVIN|KAF4917794.1 CVIN|KAF4918400.1 CVIN|KAF4921955.1 CVIN|KAF4924307.1 CVYL|A00510 CVYL|A01188 CVYL|A03833 CVYL|A06602 CVYL|A10081 CVYL|A13759 FGRM|XP\_011319696.1 FGRM|XP\_011320865.1 FGRM|XP\_011328720.1 MORY|QBZ53531.1

>Orthogroup303: ANID|CBF79705.1 ANID|CBF80673.1 ANID|CBF83908.1 BCIN|XP\_024546889.1 BCIN|XP\_024550679.1 CFRU|XP\_031878667.1 CFRU|XP\_031880246.1 CFRU|XP\_031887282.1 CFRU|XP\_031892763.1 CGLO|KAF3797080.1 CGLO|KAF3797545.1 CGLO|KAF3808963.1 CGLO|KAF3809200.1 CHIG|XP\_018150533.1 CHIG|XP\_018151196.1 CHIG|XP\_018156040.1 CHIG|XP\_018157028.1 CVIN|KAF4911394.1 CVIN|KAF4920718.1 CVIN|KAF4925311.1 CVYL|A01389 CVYL|A10628 FGRM|XP\_011319118.1 FGRM|XP\_011321423.1 MGRA|XP\_003849228.1 MGRA|XP\_003854237.1 MGRA|XP\_003855916.1 MLAR|XP\_007409531.1 MLAR|XP\_007409767.1 MORY|QBZ57070.1 MORY|QBZ64031.1 NCRA|XP\_960692.1 SSCL|APA05850.1

>Orthogroup304: ANID|CBF80264.1 ANID|CBF86030.1 ANID|CBF89124.1 BCIN|XP\_001554419.2 BCIN|XP\_024547570.1 BCIN|XP\_024548107.1 BCIN|XP\_024548640.1 BCIN|XP\_024552828.1 CFRU|XP\_031876252.1 CFRU|XP\_031878481.1 CFRU|XP\_031888068.1 CFRU|XP\_031890675.1 CGLO|KAF3798632.1 CGLO|KAF3802337.1 CHIG|XP\_018150645.1 CHIG|XP\_018151589.1 CHIG|XP\_018151775.1 CHIG|XP\_018151776.1 CHIG|XP\_018153281.1 CHIG|XP\_018153282.1 CHIG|XP\_018153894.1 CHIG|XP\_018162654.1 CVYL|A06645 FGRM|XP\_011321042.1 FGRM|XP\_011322699.1 FGRM|XP\_011325619.1 FGRM|XP\_011327514.1 NCRA|XP\_001728229.2 NCRA|XP\_959887.1 SSCL|APA08684.1 SSCL|APA11509.1 SSCL|APA15266.1 SSCL|APA16012.1

>Orthogroup305: ANID|CBF80783.1 ANID|CBF84621.1 ANID|CBF88981.1 BCIN|XP\_024547679.1 BCIN|XP\_024552879.1 BGRA|VCU39610.1 CFRU|XP\_031876064.1 CFRU|XP\_031882985.1 CFRU|XP\_031889473.1 CFRU|XP\_031893604.1 CGLO|KAF3800760.1 CGLO|KAF3800866.1 CGLO|KAF3801994.1 CGLO|KAF3808836.1 CHIG|XP\_018150833.1 CHIG|XP\_018155739.1 CHIG|XP\_018159513.1 CVIN|KAF4909985.1 CVIN|KAF4915570.1 CVIN|KAF4919664.1 CVIN|KAF4919756.1 CVYL|A00444 CVYL|A01245 CVYL|A02425 CVYL|A11105 FGRM|XP\_011318919.1 FGRM|XP\_011321581.1 MGRA|XP\_003852346.1 MGRA|XP\_003857442.1 MORY|QBZ53861.1 MORY|QBZ65241.1 NCRA|XP\_961414.2 SSCL|APA16101.1

>Orthogroup306: ANID|CBF83201.1 ANID|CBF86907.1 BCIN|XP\_001554309.1 CFRU|XP\_031875601.1 CFRU|XP\_031888872.1 CFRU|XP\_031889341.1 CGLO|KAF3799215.1 CGLO|KAF3803113.1 CGLO|KAF3804762.1 CHIG|XP\_018155608.1 CHIG|XP\_018159834.1 CHIG|XP\_018159848.1 CVIN|KAF4909313.1 CVIN|KAF4926127.1 CVIN|KAF4926130.1 CVIN|KAF4928322.1 CVYL|A01001 CVYL|A10111 CVYL|A11600 FGRM|XP\_011315695.1 FGRM|XP\_011322480.1 FGRM|XP\_011327485.1 MGRA|XP\_003847546.1 MGRA|XP\_003852361.1 MGRA|XP\_003855022.1 MORY|QBZ55844.1 MORY|QBZ58582.1 MORY|QBZ62704.1 NCRA|XP\_958570.3 NCRA|XP\_964353.2 SSCL|APA14396.1 SSCL|APA14397.1 SSCL|APA14398.1

>Orthogroup307: ANID|CBF85759.1 ANID|CBF86628.1 BCIN|XP\_001548904.1 CFRU|XP\_031878087.1 CFRU|XP\_031885863.1 CFRU|XP\_031889626.1 CFRU|XP\_031889880.1 CFRU|XP\_031892630.1 CFRU|XP\_031893181.1 CGLO|KAF3801841.1 CGLO|KAF3805977.1 CGLO|KAF3806601.1 CGLO|KAF3809635.1 CGLO|KAF3810515.1 CHIG|XP\_018158948.1 CHIG|XP\_018159106.1 CVIN|KAF4896989.1 CVIN|KAF4901590.1 CVIN|KAF4914573.1 CVIN|KAF4916898.1 CVIN|KAF4917797.1 CVIN|KAF4928124.1 CVYL|A08407 CVYL|A09265 CVYL|A10708 CVYL|A13596 CVYL|A13743 FGRM|XP\_011320780.1 MGRA|XP\_003854277.1 MORY|QBZ59928.1 MORY|QBZ65573.1 NCRA|XP\_957478.1 SSCL|APA14481.1

>Orthogroup308: ANID|CBF86658.1 BCIN|XP\_024547715.1 CFRU|XP\_031878754.1 CFRU|XP\_031879095.1 CFRU|XP\_031882545.1 CFRU|XP\_031888906.1 CFRU|XP\_031890832.1 CFRU|XP\_031893011.1 CGLO|KAF3797542.1 CGLO|KAF3797544.1 CGLO|KAF3797547.1 CGLO|KAF3797548.1 CGLO|KAF3797549.1 CGLO|KAF3797550.1 CGLO|KAF3803871.1 CGLO|KAF3804206.1 CGLO|KAF3809485.1 CGLO|KAF3809486.1 CGLO|KAF3811737.1 CHIG|XP\_018151800.1 CVIN|KAF4909769.1 CVIN|KAF4920318.1 CVIN|KAF4922990.1 CVIN|KAF4923545.1 CVIN|KAF4925420.1 CVYL|A03881 CVYL|A08928 CVYL|A08997 CVYL|A09053 CVYL|A10053 CVYL|A12753 MORY|QBZ59029.1 MORY|QBZ62723.1

>Orthogroup309: BCIN|XP\_001549529.1 BCIN|XP\_001559450.1 BCIN|XP\_001561161.1 BGRA|VDB90357.1 CFRU|XP\_031877943.1 CFRU|XP\_031878836.1 CFRU|XP\_031881258.1 CGLO|KAF3802528.1 CGLO|KAF3802579.1 CGLO|KAF3810910.1 CHIG|XP\_018154834.1 CHIG|XP\_018154930.1 CHIG|XP\_018161331.1 CVIN|KAF4893533.1 CVIN|KAF4917595.1 CVIN|KAF4921851.1 CVYL|A01864 CVYL|A02130 CVYL|A02235 FGRM|XP\_011324642.1 FGRM|XP\_011327654.1 FGRM|XP\_011327951.1 FGRM|XP\_011328085.1 MLAR|XP\_007407016.1 MORY|QBZ53952.1 MORY|QBZ57766.1 MORY|QBZ64265.1 NCRA|XP\_957065.1 NCRA|XP\_962190.2 NCRA|XP\_963203.1 SSCL|APA07659.1 SSCL|APA08348.1 SSCL|APA13567.1

>Orthogroup310: CFRU|XP\_031881385.1 CFRU|XP\_031883309.1 CFRU|XP\_031885175.1 CFRU|XP\_031886889.1 CFRU|XP\_031886896.1 CFRU|XP\_031886965.1 CGLO|KAF3800369.1 CGLO|KAF3801759.1 CGLO|KAF3805793.1 CGLO|KAF3811302.1 CGLO|KAF3811326.1 CHIG|XP\_018162865.1 CHIG|XP\_018163690.1 CVIN|KAF4926614.1 CVIN|KAF4927249.1 CVIN|KAF4927266.1 CVIN|KAF4927799.1 CVYL|A04480 CVYL|A04507 CVYL|A04509 CVYL|A07742 MORY|QBZ53462.1 MORY|QBZ57556.1 MORY|QBZ57794.1 MORY|QBZ57826.1 MORY|QBZ58459.1 MORY|QBZ61156.1 MORY|QBZ63923.1 MORY|QBZ66233.1 NCRA|XP\_958717.1 NCRA|XP\_960284.1 NCRA|XP\_961405.2 SSCL|APA12662.1

>Orthogroup311: MLAR|XP\_007403816.1 MLAR|XP\_007405198.1 MLAR|XP\_007405405.1 MLAR|XP\_007405637.1 MLAR|XP\_007405645.1 MLAR|XP\_007408248.1 MLAR|XP\_007408354.1 MLAR|XP\_007409191.1 MLAR|XP\_007409514.1 MLAR|XP\_007411013.1 MLAR|XP\_007411085.1 MLAR|XP\_007411698.1 MLAR|XP\_007412065.1 MLAR|XP\_007412402.1 MLAR|XP\_007412429.1 MLAR|XP\_007412473.1 MLAR|XP\_007412736.1 MLAR|XP\_007412784.1 MLAR|XP\_007413679.1 MLAR|XP\_007414247.1 MLAR|XP\_007414258.1 MLAR|XP\_007414278.1 MLAR|XP\_007414564.1 MLAR|XP\_007414566.1 MLAR|XP\_007416105.1 MLAR|XP\_007416114.1 MLAR|XP\_007416253.1 MLAR|XP\_007417095.1 MLAR|XP\_007417959.1 MLAR|XP\_007418449.1 MLAR|XP\_007418574.1 MLAR|XP\_007419430.1 MLAR|XP\_007419513.1

>Orthogroup312: MLAR|XP\_007403825.1 MLAR|XP\_007404200.1 MLAR|XP\_007404201.1 MLAR|XP\_007404311.1 MLAR|XP\_007404668.1 MLAR|XP\_007404867.1 MLAR|XP\_007404919.1 MLAR|XP\_007405212.1 MLAR|XP\_007406777.1 MLAR|XP\_007407056.1 MLAR|XP\_007407909.1 MLAR|XP\_007408100.1 MLAR|XP\_007408323.1 MLAR|XP\_007409593.1 MLAR|XP\_007409833.1 MLAR|XP\_007410401.1 MLAR|XP\_007411380.1 MLAR|XP\_007411683.1 MLAR|XP\_007411948.1 MLAR|XP\_007412165.1 MLAR|XP\_007413221.1 MLAR|XP\_007413570.1 MLAR|XP\_007415263.1 MLAR|XP\_007416788.1 MLAR|XP\_007416906.1 MLAR|XP\_007417038.1 MLAR|XP\_007417354.1 MLAR|XP\_007418828.1 MLAR|XP\_007419265.1 MLAR|XP\_007419299.1 MLAR|XP\_007419318.1 MLAR|XP\_007419474.1 MLAR|XP\_007419478.1

>Orthogroup313: ANID|CBF69443.1 BCIN|XP\_001556153.2 BCIN|XP\_024549057.1 BGRA|VCU39898.1 CFRU|XP\_031875836.1 CFRU|XP\_031876424.1 CFRU|XP\_031883692.1 CGLO|KAF3801974.1 CGLO|KAF3805560.1 CGLO|KAF3810845.1 CHIG|XP\_018154980.1 CHIG|XP\_018155408.1 CVIN|KAF4893019.1 CVIN|KAF4911110.1 CVIN|KAF4919807.1 CVYL|A02296 CVYL|A02409 CVYL|A05678 FGRM|XP\_011322255.1 FGRM|XP\_011322292.1 MGRA|XP\_003851615.1 MGRA|XP\_003853648.1 MLAR|XP\_007410064.1 MLAR|XP\_007410789.1 MLAR|XP\_007412335.1 MORY|QBZ57349.1 MORY|QBZ63038.1 MORY|QBZ65136.1 NCRA|XP\_955763.2 NCRA|XP\_958357.2 SSCL|APA08865.1 SSCL|APA15833.1

>Orthogroup314: ANID|CBF69518.1 ANID|CBF80182.1 BCIN|XP\_024549931.1 CFRU|XP\_031875918.1 CFRU|XP\_031876681.1 CFRU|XP\_031880171.1 CFRU|XP\_031881103.1 CFRU|XP\_031882595.1 CFRU|XP\_031888147.1 CFRU|XP\_031893026.1 CGLO|KAF3797725.1 CGLO|KAF3800421.1 CGLO|KAF3800838.1 CGLO|KAF3803918.1 CGLO|KAF3807810.1 CHIG|XP\_018151028.1 CHIG|XP\_018159094.1 CHIG|XP\_018163036.1 CVIN|KAF4888830.1 CVIN|KAF4899216.1 CVIN|KAF4917558.1 CVIN|KAF4921507.1 CVIN|KAF4925435.1 CVIN|KAF4930723.1 CVYL|A01813 CVYL|A03396 CVYL|A08710 CVYL|A08884 CVYL|A11425 FGRM|XP\_011324398.1 FGRM|XP\_011325753.1 SSCL|APA05256.1

>Orthogroup315: ANID|CBF69550.1 ANID|CBF79612.1 BCIN|XP\_001553710.1 BCIN|XP\_024549952.1 CFRU|XP\_031882267.1 CFRU|XP\_031889093.1 CFRU|XP\_031890986.1 CGLO|KAF3801666.1 CGLO|KAF3804449.1 CGLO|KAF3808895.1 CHIG|XP\_018151441.1 CHIG|XP\_018160275.1 CVIN|KAF4921208.1 CVIN|KAF4930918.1 CVYL|A01186 CVYL|A04158 CVYL|A12469 FGRM|XP\_011324495.1 FGRM|XP\_011327322.1 FGRM|XP\_011328501.1 MGRA|XP\_003850088.1 MORY|QBZ58385.1 MORY|QBZ58544.1 MORY|QBZ58561.1 MORY|QBZ62153.1 MORY|QBZ64718.1 MORY|QBZ66631.1 MORY|QBZ66658.1 NCRA|XP\_957560.3 NCRA|XP\_961113.3 SSCL|APA05292.1 SSCL|APA13504.1

>Orthogroup316: ANID|CBF73586.1 BCIN|XP\_001555688.1 CFRU|XP\_031879392.1 CFRU|XP\_031881288.1 CFRU|XP\_031883524.1 CFRU|XP\_031890007.1 CFRU|XP\_031891720.1 CGLO|KAF3801289.1 CGLO|KAF3802848.1 CGLO|KAF3808580.1 CGLO|KAF3810836.1 CGLO|KAF3810975.1 CHIG|XP\_018154187.1 CHIG|XP\_018158446.1 CHIG|XP\_018164854.1 CVIN|KAF4905052.1 CVIN|KAF4910475.1 CVIN|KAF4911119.1 CVIN|KAF4921569.1 CVIN|KAF4921862.1 CVYL|A02173 CVYL|A02303 CVYL|A05165 CVYL|A07799 CVYL|A11565 FGRM|XP\_011317568.1 FGRM|XP\_011326680.1 MGRA|XP\_003848492.1 MORY|QBZ53655.1 MORY|QBZ62522.1 NCRA|XP\_964952.3 SSCL|APA10102.1

>Orthogroup317: ANID|CBF74969.1 ANID|CBF80663.1 ANID|CBF82352.1 ANID|CBF83801.1 BCIN|XP\_001555405.1 BCIN|XP\_001555729.1 BCIN|XP\_024546733.1 BCIN|XP\_024547314.1 BCIN|XP\_024549391.1 BCIN|XP\_024553180.1 CFRU|XP\_031880732.1 CFRU|XP\_031884225.1 CFRU|XP\_031884565.1 CGLO|KAF3806819.1 CGLO|KAF3810350.1 CGLO|KAF3811052.1 CGLO|KAF3811154.1 CHIG|XP\_018153137.1 CHIG|XP\_018160341.1 CVIN|KAF4918162.1 CVIN|KAF4931198.1 CVYL|A04314 CVYL|A05758 CVYL|A09746 MGRA|XP\_003855826.1 MORY|QBZ57488.1 SSCL|APA08148.1 SSCL|APA09041.1 SSCL|APA10311.1 SSCL|APA10416.1 SSCL|APA10736.1 SSCL|APA15573.1

>Orthogroup318: ANID|CBF75148.1 ANID|CBF76217.1 ANID|CBF81202.1 BCIN|XP\_024546356.1 BCIN|XP\_024552605.1 CFRU|XP\_031884791.1 CFRU|XP\_031888133.1 CFRU|XP\_031888415.1 CFRU|XP\_031889680.1 CGLO|KAF3800954.1 CGLO|KAF3803670.1 CGLO|KAF3810609.1 CHIG|XP\_018153219.1 CHIG|XP\_018158963.1 CHIG|XP\_018163788.1 CVIN|KAF4908287.1 CVIN|KAF4912792.1 CVIN|KAF4928560.1 CVYL|A05950 CVYL|A13692 CVYL|A14601 FGRM|XP\_011319647.1 FGRM|XP\_011321726.1 FGRM|XP\_011325166.1 FGRM|XP\_011327067.1 MGRA|XP\_003852261.1 MORY|QBZ58431.1 MORY|QBZ58608.1 NCRA|XP\_011393181.1 NCRA|XP\_011394289.1 SSCL|APA06868.1 SSCL|APA15690.1

>Orthogroup319: ANID|CBF75555.1 BCIN|XP\_001547677.1 BGRA|VCU39170.1 CFRU|XP\_031884241.1 CFRU|XP\_031884258.1 CFRU|XP\_031889182.1 CFRU|XP\_031891144.1 CGLO|KAF3797659.1 CGLO|KAF3799992.1 CGLO|KAF3803777.1 CHIG|XP\_018153033.1 CHIG|XP\_018155432.1 CHIG|XP\_018161692.1 CHIG|XP\_018161693.1 CVIN|KAF4917915.1 CVIN|KAF4919083.1 CVIN|KAF4919379.1 CVIN|KAF4926921.1 CVYL|A01111 CVYL|A05257 CVYL|A10207 CVYL|A14155 FGRM|XP\_011318126.1 FGRM|XP\_011319889.1 FGRM|XP\_011327428.1 MGRA|XP\_003854503.1 MLAR|XP\_007407153.1 MLAR|XP\_007409428.1 MORY|QBZ57711.1 NCRA|XP\_959311.2 NCRA|XP\_960310.2 SSCL|APA13314.1

>Orthogroup320: ANID|CBF75665.1 ANID|CBF86626.1 BCIN|XP\_001552398.1 BCIN|XP\_024547393.1 BCIN|XP\_024550992.1 BGRA|VDB89715.1 CFRU|XP\_031876492.1 CFRU|XP\_031879271.1 CFRU|XP\_031885994.1 CGLO|KAF3796995.1 CGLO|KAF3796996.1 CGLO|KAF3808610.1 CHIG|XP\_018153691.1 CHIG|XP\_018161906.1 CVIN|KAF4894840.1 CVIN|KAF4926160.1 CVIN|KAF4930364.1 CVYL|A05492 CVYL|A12366 FGRM|XP\_011320514.1 FGRM|XP\_011321553.1 FGRM|XP\_011328587.1 MGRA|XP\_003849550.1 MGRA|XP\_003856565.1 MGRA|XP\_003856854.1 MLAR|XP\_007405655.1 MLAR|XP\_007406368.1 MORY|QBZ63966.1 NCRA|XP\_965356.2 SSCL|APA11615.1 SSCL|APA14400.1 SSCL|APA14907.1

>Orthogroup321: ANID|CBF77647.1 BCIN|XP\_001546517.1 BCIN|XP\_001546962.1 BCIN|XP\_001559784.1 CFRU|XP\_031884065.1 CFRU|XP\_031892384.1 CGLO|KAF3804992.1 CGLO|KAF3809138.1 CHIG|XP\_018155957.1 CHIG|XP\_018157729.1 CHIG|XP\_018163527.1 CVIN|KAF4922106.1 CVIN|KAF4927125.1 CVYL|A01322 CVYL|A06558 FGRM|XP\_011319184.1 FGRM|XP\_011323364.1 MLAR|XP\_007403893.1 MLAR|XP\_007405448.1 MLAR|XP\_007406924.1 MLAR|XP\_007408224.1 MLAR|XP\_007414134.1 MLAR|XP\_007414667.1 MLAR|XP\_007415286.1 MORY|QBZ56122.1 MORY|QBZ61177.1 MORY|QBZ64337.1 NCRA|XP\_958846.1 NCRA|XP\_959591.1 SSCL|APA09684.1 SSCL|APA12557.1 SSCL|APA15122.1

>Orthogroup322: ANID|CBF80524.1 BCIN|XP\_024546782.1 BCIN|XP\_024553043.1 CFRU|XP\_031875750.1 CFRU|XP\_031883742.1 CFRU|XP\_031889868.1 CFRU|XP\_031892447.1 CGLO|KAF3797208.1 CGLO|KAF3797758.1 CGLO|KAF3800042.1 CGLO|KAF3810523.1 CGLO|KAF3811950.1 CHIG|XP\_018155136.1 CHIG|XP\_018155646.1 CHIG|XP\_018156426.1 CHIG|XP\_018159086.1 CVIN|KAF4905815.1 CVIN|KAF4914555.1 CVIN|KAF4918814.1 CVIN|KAF4920814.1 CVYL|A02973 CVYL|A06114 CVYL|A10489 CVYL|A13602 FGRM|XP\_011318790.1 FGRM|XP\_011319694.1 FGRM|XP\_011319886.1 FGRM|XP\_011322505.1 MGRA|XP\_003857695.1 MORY|QBZ57732.1 NCRA|XP\_958980.2 SSCL|APA16163.1

>Orthogroup323: ANID|CBF83602.1 BCIN|XP\_024549072.1 CFRU|XP\_031876145.1 CFRU|XP\_031876249.1 CFRU|XP\_031877356.1 CFRU|XP\_031880248.1 CFRU|XP\_031882995.1 CFRU|XP\_031890226.1 CGLO|KAF3798727.1 CGLO|KAF3799879.1 CGLO|KAF3802329.1 CGLO|KAF3802330.1 CGLO|KAF3804401.1 CGLO|KAF3807947.1 CGLO|KAF3808982.1 CGLO|KAF3808983.1 CGLO|KAF3810292.1 CHIG|XP\_018158960.1 CHIG|XP\_018159768.1 CVIN|KAF4899860.1 CVIN|KAF4915929.1 CVIN|KAF4918611.1 CVIN|KAF4920849.1 CVIN|KAF4924056.1 CVIN|KAF4930951.1 CVYL|A01302 CVYL|A08677 CVYL|A09186 CVYL|A11260 CVYL|A12712 FGRM|XP\_011319537.1 FGRM|XP\_011320976.1

>Orthogroup324: BCIN|XP\_001555845.2 BCIN|XP\_001557604.1 CFRU|XP\_031881415.1 CFRU|XP\_031885685.1 CFRU|XP\_031885687.1 CFRU|XP\_031885797.1 CFRU|XP\_031887634.1 CGLO|KAF3803227.1 CGLO|KAF3805723.1 CGLO|KAF3810248.1 CGLO|KAF3810250.1 CGLO|KAF3810272.1 CHIG|XP\_018152793.1 CHIG|XP\_018157940.1 CHIG|XP\_018163629.1 CVIN|KAF4910791.1 CVIN|KAF4910793.1 CVIN|KAF4918598.1 CVIN|KAF4926587.1 CVIN|KAF4928674.1 CVYL|A02850 CVYL|A02852 CVYL|A03658 CVYL|A09820 CVYL|A11274 FGRM|XP\_011321989.1 MORY|QBZ56818.1 MORY|QBZ60565.1 NCRA|XP\_957112.1 NCRA|XP\_965402.2 SSCL|APA07625.1 SSCL|APA14563.1

>Orthogroup325: BCIN|XP\_024548418.1 CFRU|XP\_031878704.1 CFRU|XP\_031880463.1 CFRU|XP\_031881632.1 CFRU|XP\_031893173.1 CGLO|KAF3797576.1 CGLO|KAF3805372.1 CGLO|KAF3807256.1 CGLO|KAF3808127.1 CHIG|XP\_018152824.1 CHIG|XP\_018155187.1 CHIG|XP\_018156736.1 CHIG|XP\_018156928.1 CVIN|KAF4907225.1 CVIN|KAF4909730.1 CVIN|KAF4923585.1 CVIN|KAF4928190.1 CVYL|A08108 CVYL|A08968 CVYL|A10736 FGRM|XP\_011318003.1 FGRM|XP\_011320223.1 FGRM|XP\_011326208.1 MGRA|XP\_003847933.1 MGRA|XP\_003854715.1 MLAR|XP\_007410905.1 MLAR|XP\_007413427.1 MORY|QBZ55022.1 MORY|QBZ65847.1 NCRA|XP\_959493.1 NCRA|XP\_961661.2 SSCL|APA12281.1

>Orthogroup326: BGRA|VDB87786.1 CFRU|XP\_031876257.1 CFRU|XP\_031876259.1 CFRU|XP\_031876264.1 CFRU|XP\_031876265.1 CFRU|XP\_031876708.1 CFRU|XP\_031877267.1 CFRU|XP\_031877268.1 CFRU|XP\_031877883.1 CFRU|XP\_031878772.1 CFRU|XP\_031879745.1 CFRU|XP\_031880324.1 CFRU|XP\_031881081.1 CFRU|XP\_031881842.1 CFRU|XP\_031882813.1 CFRU|XP\_031883986.1 CFRU|XP\_031886343.1 CFRU|XP\_031886345.1 CFRU|XP\_031886350.1 CFRU|XP\_031886440.1 CFRU|XP\_031887457.1 CFRU|XP\_031887569.1 CFRU|XP\_031887659.1 CFRU|XP\_031887878.1 CFRU|XP\_031888953.1 CFRU|XP\_031889294.1 CFRU|XP\_031890273.1 CFRU|XP\_031891454.1 CFRU|XP\_031892359.1 CFRU|XP\_031892503.1 CFRU|XP\_031892524.1 CVIN|KAF4892474.1

>Orthogroup327: MLAR|XP\_007403479.1 MLAR|XP\_007403625.1 MLAR|XP\_007405101.1 MLAR|XP\_007405440.1 MLAR|XP\_007408020.1 MLAR|XP\_007408420.1 MLAR|XP\_007409079.1 MLAR|XP\_007409080.1 MLAR|XP\_007409408.1 MLAR|XP\_007410113.1 MLAR|XP\_007410854.1 MLAR|XP\_007410918.1 MLAR|XP\_007411740.1 MLAR|XP\_007411741.1 MLAR|XP\_007412241.1 MLAR|XP\_007412242.1 MLAR|XP\_007412502.1 MLAR|XP\_007412625.1 MLAR|XP\_007412627.1 MLAR|XP\_007412829.1 MLAR|XP\_007413302.1 MLAR|XP\_007414764.1 MLAR|XP\_007414803.1 MLAR|XP\_007415337.1 MLAR|XP\_007415868.1 MLAR|XP\_007416641.1 MLAR|XP\_007417154.1 MLAR|XP\_007417984.1 MLAR|XP\_007418026.1 MLAR|XP\_007418637.1 MLAR|XP\_007418638.1 MLAR|XP\_007419193.1

>Orthogroup328: MLAR|XP\_007403918.1 MLAR|XP\_007404256.1 MLAR|XP\_007404257.1 MLAR|XP\_007405759.1 MLAR|XP\_007406358.1 MLAR|XP\_007408818.1 MLAR|XP\_007408819.1 MLAR|XP\_007408821.1 MLAR|XP\_007409232.1 MLAR|XP\_007409746.1 MLAR|XP\_007410822.1 MLAR|XP\_007411374.1 MLAR|XP\_007411375.1 MLAR|XP\_007411376.1 MLAR|XP\_007412331.1 MLAR|XP\_007412663.1 MLAR|XP\_007412858.1 MLAR|XP\_007412866.1 MLAR|XP\_007412945.1 MLAR|XP\_007413557.1 MLAR|XP\_007413558.1 MLAR|XP\_007413559.1 MLAR|XP\_007413610.1 MLAR|XP\_007413724.1 MLAR|XP\_007413790.1 MLAR|XP\_007416097.1 MLAR|XP\_007416098.1 MLAR|XP\_007416099.1 MLAR|XP\_007417986.1 MLAR|XP\_007418549.1 MLAR|XP\_007419075.1 MLAR|XP\_007419076.1

>Orthogroup329: MLAR|XP\_007404208.1 MLAR|XP\_007404329.1 MLAR|XP\_007405756.1 MLAR|XP\_007407653.1 MLAR|XP\_007408030.1 MLAR|XP\_007408699.1 MLAR|XP\_007408883.1 MLAR|XP\_007408884.1 MLAR|XP\_007408885.1 MLAR|XP\_007410155.1 MLAR|XP\_007410552.1 MLAR|XP\_007410714.1 MLAR|XP\_007411126.1 MLAR|XP\_007411491.1 MLAR|XP\_007411522.1 MLAR|XP\_007412067.1 MLAR|XP\_007413166.1 MLAR|XP\_007413495.1 MLAR|XP\_007414137.1 MLAR|XP\_007414653.1 MLAR|XP\_007416202.1 MLAR|XP\_007416312.1 MLAR|XP\_007417747.1 MLAR|XP\_007417889.1 MLAR|XP\_007417964.1 MLAR|XP\_007418248.1 MLAR|XP\_007418249.1 MLAR|XP\_007418315.1 MLAR|XP\_007418969.1 MLAR|XP\_007419069.1 MLAR|XP\_007419268.1 MLAR|XP\_007419722.1

>Orthogroup330: ANID|CBF69494.1 ANID|CBF79796.1 ANID|CBF82875.1 ANID|CBF83007.1 ANID|CBF84170.1 ANID|CBF87312.1 BCIN|XP\_001557897.2 BCIN|XP\_024547526.1 CFRU|XP\_031881495.1 CFRU|XP\_031882321.1 CFRU|XP\_031889754.1 CGLO|KAF3804386.1 CGLO|KAF3805787.1 CGLO|KAF3810468.1 CHIG|XP\_018159187.1 CHIG|XP\_018160210.1 CHIG|XP\_018163685.1 CVIN|KAF4894252.1 CVIN|KAF4924663.1 CVIN|KAF4926571.1 CVYL|A04081 CVYL|A06033 CVYL|A14069 FGRM|XP\_011320888.1 FGRM|XP\_011325293.1 MLAR|XP\_007403579.1 MORY|QBZ58420.1 MORY|QBZ65147.1 NCRA|XP\_963284.2 SSCL|APA07701.1 SSCL|APA12777.1

>Orthogroup331: ANID|CBF70434.1 BCIN|XP\_001554522.1 BCIN|XP\_024551026.1 CFRU|XP\_031875551.1 CFRU|XP\_031876440.1 CFRU|XP\_031878699.1 CFRU|XP\_031881416.1 CGLO|KAF3798345.1 CGLO|KAF3801937.1 CGLO|KAF3805722.1 CGLO|KAF3808551.1 CGLO|KAF3811782.1 CHIG|XP\_018151066.1 CHIG|XP\_018151129.1 CHIG|XP\_018154106.1 CHIG|XP\_018163630.1 CVIN|KAF4918719.1 CVIN|KAF4923561.1 CVIN|KAF4926588.1 CVYL|A02374 CVYL|A02375 CVYL|A09019 CVYL|A09821 CVYL|A12787 FGRM|XP\_011323067.1 FGRM|XP\_011323424.1 MGRA|XP\_003851635.1 MGRA|XP\_003854271.1 MORY|QBZ58223.1 MORY|QBZ60328.1 SSCL|APA11856.1

>Orthogroup332: ANID|CBF71378.1 ANID|CBF78815.1 ANID|CBF82802.1 BCIN|XP\_024546349.1 BCIN|XP\_024552631.1 CFRU|XP\_031884444.1 CFRU|XP\_031888588.1 CFRU|XP\_031891025.1 CFRU|XP\_031892493.1 CGLO|KAF3797192.1 CGLO|KAF3803625.1 CGLO|KAF3810346.1 CHIG|XP\_018155588.1 CHIG|XP\_018157315.1 CHIG|XP\_018157316.1 CHIG|XP\_018163838.1 CVIN|KAF4920370.1 CVIN|KAF4920802.1 CVYL|A14557 FGRM|XP\_011319929.1 FGRM|XP\_011323295.1 FGRM|XP\_011323296.1 FGRM|XP\_011323449.1 FGRM|XP\_011326543.1 MGRA|XP\_003850353.1 MGRA|XP\_003851324.1 MGRA|XP\_003851326.1 MORY|QBZ54729.1 MORY|QBZ64086.1 NCRA|XP\_963943.3 NCRA|XP\_964243.3

>Orthogroup333: ANID|CBF71566.1 BCIN|XP\_001550218.2 BCIN|XP\_001553384.1 BCIN|XP\_001557852.1 BCIN|XP\_024546401.1 BCIN|XP\_024546737.1 BCIN|XP\_024550986.1 BCIN|XP\_024551334.1 BCIN|XP\_024552993.1 BGRA|VCU39924.1 BGRA|VDB92710.1 CFRU|XP\_031876460.1 CFRU|XP\_031876960.1 CGLO|KAF3798003.1 CGLO|KAF3810718.1 CHIG|XP\_018162576.1 CVIN|KAF4908233.1 CVYL|A07235 FGRM|XP\_011318154.1 FGRM|XP\_011323979.1 FGRM|XP\_011327439.1 MORY|QBZ54862.1 MORY|QBZ64610.1 NCRA|XP\_961837.1 SSCL|APA08306.1 SSCL|APA11601.1 SSCL|APA12828.1 SSCL|APA13997.1 SSCL|APA14632.1 SSCL|APA15132.1 SSCL|APA16328.1

>Orthogroup334: ANID|CBF73426.1 ANID|CBF89386.1 BCIN|XP\_001560992.1 CFRU|XP\_031876685.1 CFRU|XP\_031876689.1 CFRU|XP\_031879925.1 CFRU|XP\_031879926.1 CFRU|XP\_031880033.1 CFRU|XP\_031884856.1 CGLO|KAF3799022.1 CGLO|KAF3801005.1 CGLO|KAF3811787.1 CHIG|XP\_018151712.1 CHIG|XP\_018153115.1 CHIG|XP\_018154072.1 CHIG|XP\_018154073.1 CVIN|KAF4895110.1 CVIN|KAF4895112.1 CVIN|KAF4907648.1 CVIN|KAF4912995.1 CVIN|KAF4918704.1 CVIN|KAF4918707.1 CVYL|A02362 CVYL|A05901 CVYL|A07937 CVYL|A12792 FGRM|XP\_011318643.1 MLAR|XP\_007408973.1 MORY|QBZ66585.1 NCRA|XP\_964440.1 SSCL|APA06693.1

>Orthogroup335: ANID|CBF73446.1 ANID|CBF84473.1 BCIN|XP\_001555869.1 BCIN|XP\_024546703.1 BCIN|XP\_024546704.1 BCIN|XP\_024550075.1 BCIN|XP\_024551210.1 BCIN|XP\_024551827.1 BCIN|XP\_024553475.1 CFRU|XP\_031878440.1 CFRU|XP\_031884053.1 CFRU|XP\_031884054.1 CGLO|KAF3798629.1 CGLO|KAF3805095.1 CHIG|XP\_018153912.1 CHIG|XP\_018154164.1 CHIG|XP\_018156525.1 CHIG|XP\_018161567.1 CVIN|KAF4912454.1 CVYL|A04819 FGRM|XP\_011315623.1 FGRM|XP\_011324691.1 MGRA|XP\_003847610.1 MGRA|XP\_003848839.1 MORY|QBZ60789.1 MORY|QBZ66636.1 NCRA|XP\_959242.1 SSCL|APA06069.1 SSCL|APA08633.1 SSCL|APA10891.1 SSCL|APA11942.1

>Orthogroup336: ANID|CBF73475.1 ANID|CBF73513.1 ANID|CBF82913.1 ANID|CBF88302.1 BCIN|XP\_001550230.1 BCIN|XP\_024545918.1 BCIN|XP\_024545919.1 BCIN|XP\_024549266.1 BCIN|XP\_024553032.1 CFRU|XP\_031880790.1 CFRU|XP\_031883478.1 CFRU|XP\_031893437.1 CGLO|KAF3806926.1 CGLO|KAF3809567.1 CGLO|KAF3810802.1 CHIG|XP\_018159609.1 CVIN|KAF4912196.1 CVIN|KAF4919159.1 CVIN|KAF4921789.1 CVYL|A02569 CVYL|A08459 CVYL|A08639 FGRM|XP\_011321646.1 FGRM|XP\_011326243.1 FGRM|XP\_011327572.1 MGRA|XP\_003848108.1 MGRA|XP\_003848669.1 MGRA|XP\_003856082.1 MORY|QBZ66486.1 SSCL|APA08882.1 SSCL|APA16344.1

>Orthogroup337: ANID|CBF73530.1 ANID|CBF76016.1 ANID|CBF80735.1 ANID|CBF82528.1 ANID|CBF87170.1 ANID|CBF89636.1 BCIN|XP\_024548785.1 BCIN|XP\_024550673.1 BCIN|XP\_024550803.1 BCIN|XP\_024552469.1 BGRA|VDB83921.1 CFRU|XP\_031884257.1 CFRU|XP\_031889430.1 CGLO|KAF3797685.1 CGLO|KAF3799993.1 CGLO|KAF3801372.1 CGLO|KAF3802089.1 CGLO|KAF3802199.1 CHIG|XP\_018153034.1 CHIG|XP\_018155461.1 CVIN|KAF4919371.1 CVIN|KAF4926920.1 CVYL|A01086 CVYL|A10208 FGRM|XP\_011315864.1 FGRM|XP\_011323090.1 FGRM|XP\_011323338.1 MGRA|XP\_003850462.1 NCRA|XP\_001728451.2 SSCL|APA08541.1 SSCL|APA09678.1

>Orthogroup338: ANID|CBF73583.1 BCIN|XP\_001552608.1 BGRA|VDB89162.1 BGRA|VDB89163.1 CFRU|XP\_031887475.1 CFRU|XP\_031888933.1 CFRU|XP\_031891654.1 CGLO|KAF3804277.1 CGLO|KAF3804601.1 CGLO|KAF3809782.1 CHIG|XP\_018151031.1 CHIG|XP\_018160084.1 CHIG|XP\_018160991.1 CHIG|XP\_018161668.1 CVIN|KAF4891282.1 CVIN|KAF4909068.1 CVIN|KAF4917574.1 CVYL|A03559 CVYL|A05279 FGRM|XP\_011323804.1 FGRM|XP\_011328379.1 MGRA|XP\_003851293.1 MGRA|XP\_003857467.1 MLAR|XP\_007403607.1 MORY|QBZ58737.1 MORY|QBZ63646.1 MORY|QBZ64310.1 MORY|QBZ66498.1 NCRA|XP\_959085.1 NCRA|XP\_962219.1 SSCL|APA11454.1

>Orthogroup339: ANID|CBF74601.1 ANID|CBF76052.1 ANID|CBF80119.1 ANID|CBF81938.1 BCIN|XP\_001548314.1 BCIN|XP\_001556763.1 CFRU|XP\_031876368.1 CFRU|XP\_031878156.1 CFRU|XP\_031891143.1 CFRU|XP\_031892232.1 CGLO|KAF3801859.1 CGLO|KAF3804626.1 CHIG|XP\_018155191.1 CHIG|XP\_018159373.1 CVIN|KAF4901937.1 CVIN|KAF4919107.1 CVIN|KAF4920585.1 CVIN|KAF4921976.1 CVYL|A02305 CVYL|A05258 CVYL|A06203 CVYL|A06623 FGRM|XP\_011328676.1 MGRA|XP\_003848290.1 MGRA|XP\_003849564.1 MGRA|XP\_003851889.1 MGRA|XP\_003851906.1 MGRA|XP\_003856678.1 MGRA|XP\_003857327.1 MORY|QBZ53455.1 SSCL|APA06376.1

>Orthogroup340: ANID|CBF74849.1 ANID|CBF76810.1 ANID|CBF80370.1 ANID|CBF82140.1 ANID|CBF84436.1 ANID|CBF88655.1 BCIN|XP\_001559983.2 BCIN|XP\_024551017.1 CFRU|XP\_031880802.1 CFRU|XP\_031884398.1 CGLO|KAF3796973.1 CGLO|KAF3798479.1 CGLO|KAF3806980.1 CHIG|XP\_018150736.1 CHIG|XP\_018158317.1 CHIG|XP\_018159623.1 CVIN|KAF4913292.1 CVIN|KAF4918766.1 CVYL|A05808 CVYL|A06273 CVYL|A08612 FGRM|XP\_011316513.1 FGRM|XP\_011318647.1 FGRM|XP\_011319497.1 FGRM|XP\_011322157.1 FGRM|XP\_011323870.1 MORY|QBZ56730.1 NCRA|XP\_965578.1 SSCL|APA08451.1 SSCL|APA09795.1 SSCL|APA10649.1

>Orthogroup341: ANID|CBF75326.1 ANID|CBF77459.1 ANID|CBF78346.1 BCIN|XP\_001559491.1 BCIN|XP\_024548912.1 BCIN|XP\_024549591.1 BGRA|VCU39573.1 BGRA|VDB83882.1 CFRU|XP\_031884405.1 CFRU|XP\_031886973.1 CGLO|KAF3810340.1 CGLO|KAF3811374.1 CHIG|XP\_018158356.1 CHIG|XP\_018160610.1 CVIN|KAF4895361.1 CVIN|KAF4921034.1 CVYL|A04566 CVYL|A05766 FGRM|XP\_011316488.1 FGRM|XP\_011327211.1 MGRA|XP\_003851185.1 MGRA|XP\_003855881.1 MLAR|XP\_007410442.1 MLAR|XP\_007413047.1 MLAR|XP\_007413157.1 MORY|QBZ55185.1 MORY|QBZ56905.1 NCRA|XP\_011392822.1 NCRA|XP\_011394481.1 SSCL|APA09570.1 SSCL|APA13980.1

>Orthogroup342: ANID|CBF75776.1 ANID|CBF87481.1 BCIN|XP\_001558008.1 BCIN|XP\_024547454.1 CFRU|XP\_031879774.1 CFRU|XP\_031885606.1 CFRU|XP\_031892226.1 CGLO|KAF3798561.1 CGLO|KAF3809702.1 CGLO|KAF3810045.1 CHIG|XP\_018153852.1 CHIG|XP\_018157762.1 CHIG|XP\_018165079.1 CVIN|KAF4917932.1 CVIN|KAF4921973.1 CVIN|KAF4930099.1 CVYL|A02641 CVYL|A04879 CVYL|A06625 FGRM|XP\_011317842.1 FGRM|XP\_011322077.1 FGRM|XP\_011325371.1 MGRA|XP\_003851797.1 MORY|QBZ57710.1 MORY|QBZ60001.1 MORY|QBZ61179.1 NCRA|XP\_957450.3 NCRA|XP\_964145.1 SSCL|APA12050.1 SSCL|APA12709.1 SSCL|APA15996.1

>Orthogroup343: ANID|CBF76125.1 ANID|CBF76133.1 ANID|CBF79648.1 ANID|CBF89739.1 BCIN|XP\_001555925.1 BCIN|XP\_024546928.1 BGRA|VDB93665.1 BGRA|VDB93851.1 CFRU|XP\_031882639.1 CFRU|XP\_031884833.1 CGLO|KAF3800492.1 CGLO|KAF3812220.1 CHIG|XP\_018152269.1 CHIG|XP\_018153442.1 CVIN|KAF4916331.1 CVIN|KAF4920984.1 CVYL|A00166 CVYL|A13221 FGRM|XP\_011316059.1 FGRM|XP\_011316331.1 MGRA|XP\_003847074.1 MGRA|XP\_003847311.1 MGRA|XP\_003848766.1 MLAR|XP\_007405540.1 MLAR|XP\_007415976.1 MORY|QBZ53949.1 MORY|QBZ55286.1 NCRA|XP\_958904.2 NCRA|XP\_963223.1 SSCL|APA05812.1 SSCL|APA06029.1

>Orthogroup344: ANID|CBF76155.1 ANID|CBF84217.1 BCIN|XP\_024546732.1 CFRU|XP\_031876113.1 CFRU|XP\_031880078.1 CFRU|XP\_031881004.1 CFRU|XP\_031882031.1 CGLO|KAF3800412.1 CGLO|KAF3806099.1 CGLO|KAF3807366.1 CGLO|KAF3811801.1 CHIG|XP\_018154176.1 CHIG|XP\_018156847.1 CHIG|XP\_018161320.1 CHIG|XP\_018161321.1 CHIG|XP\_018163409.1 CHIG|XP\_018164570.1 CVIN|KAF4902342.1 CVIN|KAF4920083.1 CVIN|KAF4924875.1 CVYL|A10861 CVYL|A12805 FGRM|XP\_011318014.1 FGRM|XP\_011321735.1 FGRM|XP\_011327666.1 FGRM|XP\_011328843.1 MORY|QBZ57525.1 MORY|QBZ65175.1 MORY|QBZ65410.1 MORY|QBZ66412.1 SSCL|APA06824.1

>Orthogroup345: ANID|CBF76271.1 ANID|CBF85349.1 ANID|CBF85646.1 ANID|CBF86322.1 BCIN|XP\_001560558.1 BCIN|XP\_001561213.1 CFRU|XP\_031880121.1 CFRU|XP\_031883894.1 CFRU|XP\_031889752.1 CFRU|XP\_031891056.1 CFRU|XP\_031893603.1 CGLO|KAF3800867.1 CGLO|KAF3810466.1 CGLO|KAF3811681.1 CHIG|XP\_018150832.1 CHIG|XP\_018151852.1 CHIG|XP\_018159189.1 CVIN|KAF4915583.1 CVIN|KAF4915938.1 CVIN|KAF4924616.1 CVYL|A11106 CVYL|A12704 CVYL|A14067 FGRM|XP\_011321582.1 MGRA|XP\_003852468.1 MGRA|XP\_003855829.1 MLAR|XP\_007405489.1 MORY|QBZ54098.1 MORY|QBZ60525.1 NCRA|XP\_963989.1 SSCL|APA07174.1

>Orthogroup346: ANID|CBF77083.1 ANID|CBF78232.1 BCIN|XP\_024547457.1 CFRU|XP\_031886067.1 CFRU|XP\_031886425.1 CFRU|XP\_031891469.1 CFRU|XP\_031893227.1 CGLO|KAF3804664.1 CGLO|KAF3805473.1 CGLO|KAF3809638.1 CGLO|KAF3811875.1 CHIG|XP\_018152584.1 CHIG|XP\_018155181.1 CHIG|XP\_018155342.1 CHIG|XP\_018161737.1 CVIN|KAF4896991.1 CVIN|KAF4897795.1 CVIN|KAF4913891.1 CVIN|KAF4920576.1 CVYL|A05221 CVYL|A05603 CVYL|A06186 CVYL|A08410 FGRM|XP\_011315819.1 FGRM|XP\_011318507.1 FGRM|XP\_011322430.1 FGRM|XP\_011322560.1 MORY|QBZ53730.1 NCRA|XP\_011394131.1 NCRA|XP\_962188.1 SSCL|APA15999.1

>Orthogroup347: ANID|CBF78511.1 ANID|CBF78933.1 ANID|CBF82401.1 ANID|CBF85655.1 BCIN|XP\_001559371.1 BCIN|XP\_024550709.1 CFRU|XP\_031882215.1 CFRU|XP\_031889310.1 CGLO|KAF3804372.1 CGLO|KAF3808908.1 CHIG|XP\_018152057.1 CHIG|XP\_018160166.1 CVIN|KAF4918347.1 CVYL|A01137 CVYL|A01178 CVYL|A04066 FGRM|XP\_011322014.1 FGRM|XP\_011324548.1 FGRM|XP\_011324986.1 FGRM|XP\_011325907.1 MGRA|XP\_003848264.1 MGRA|XP\_003852136.1 MGRA|XP\_003856825.1 MORY|QBZ57851.1 MORY|QBZ60884.1 MORY|QBZ63981.1 MORY|QBZ65201.1 NCRA|XP\_958313.1 NCRA|XP\_964784.1 SSCL|APA07702.1 SSCL|APA12003.1

>Orthogroup348: ANID|CBF78548.1 ANID|CBF80076.1 ANID|CBF81681.1 BCIN|XP\_001559006.1 CFRU|XP\_031879037.1 CFRU|XP\_031879342.1 CFRU|XP\_031881640.1 CFRU|XP\_031884465.1 CFRU|XP\_031893427.1 CGLO|KAF3798859.1 CGLO|KAF3807412.1 CGLO|KAF3810326.1 CHIG|XP\_018151172.1 CHIG|XP\_018153043.1 CHIG|XP\_018157328.1 CVIN|KAF4908443.1 CVIN|KAF4920332.1 CVIN|KAF4929590.1 CVYL|A09077 CVYL|A10898 FGRM|XP\_011320824.1 FGRM|XP\_011320863.1 FGRM|XP\_011322491.1 MGRA|XP\_003847974.1 MGRA|XP\_003851105.1 MGRA|XP\_003853925.1 MGRA|XP\_003856158.1 MGRA|XP\_003856661.1 MGRA|XP\_003856836.1 MGRA|XP\_003857746.1 SSCL|APA05859.1

>Orthogroup349: ANID|CBF78682.1 BCIN|XP\_001557163.1 BGRA|VDB93474.1 CFRU|XP\_031885035.1 CFRU|XP\_031891920.1 CGLO|KAF3800358.1 CGLO|KAF3801384.1 CGLO|KAF3802947.1 CHIG|XP\_018151244.1 CHIG|XP\_018151245.1 CHIG|XP\_018152330.1 CHIG|XP\_018156602.1 CHIG|XP\_018162847.1 CVIN|KAF4907807.1 CVIN|KAF4914546.1 CVYL|A05487 CVYL|A07608 CVYL|A07698 FGRM|XP\_011326389.1 MGRA|XP\_003850942.1 MGRA|XP\_003854408.1 MLAR|XP\_007404494.1 MLAR|XP\_007404550.1 MLAR|XP\_007407484.1 MLAR|XP\_007416179.1 MORY|QBZ59534.1 MORY|QBZ59999.1 MORY|QBZ66529.1 NCRA|XP\_957821.1 NCRA|XP\_965606.1 SSCL|APA15005.1

>Orthogroup350: ANID|CBF78871.1 ANID|CBF88287.1 BCIN|XP\_001547499.1 BCIN|XP\_024546288.1 BCIN|XP\_024546702.1 BCIN|XP\_024547213.1 BGRA|VDB90862.1 BGRA|VDB93623.1 CFRU|XP\_031879880.1 CFRU|XP\_031890762.1 CGLO|KAF3798942.1 CGLO|KAF3801525.1 CHIG|XP\_018151943.1 CHIG|XP\_018152868.1 CVIN|KAF4898136.1 CVIN|KAF4898140.1 CVYL|A07859 CVYL|A12610 FGRM|XP\_011324375.1 FGRM|XP\_011327722.1 MGRA|XP\_003849118.1 MGRA|XP\_003854859.1 MLAR|XP\_007403496.1 MLAR|XP\_007413400.1 MLAR|XP\_007415683.1 MORY|QBZ53365.1 MORY|QBZ60187.1 NCRA|XP\_957857.1 NCRA|XP\_959528.1 SSCL|APA06938.1 SSCL|APA14979.1

>Orthogroup351: ANID|CBF79053.1 ANID|CBF89377.1 BCIN|XP\_024553811.1 CFRU|XP\_031881069.1 CGLO|KAF3800406.1 CHIG|XP\_018158431.1 CHIG|XP\_018159451.1 CHIG|XP\_018161399.1 CHIG|XP\_018161885.1 CHIG|XP\_018163064.1 CHIG|XP\_018164801.1 CVIN|KAF4906996.1 CVIN|KAF4930603.1 CVYL|A01801 CVYL|A14180 FGRM|XP\_011315734.1 FGRM|XP\_011322620.1 MGRA|XP\_003847946.1 MGRA|XP\_003848434.1 MGRA|XP\_003849336.1 MGRA|XP\_003849918.1 MGRA|XP\_003853938.1 MGRA|XP\_003856669.1 MGRA|XP\_003856808.1 MORY|QBZ54923.1 MORY|QBZ57536.1 MORY|QBZ65843.1 MORY|QBZ66306.1 SSCL|APA06207.1 SSCL|APA09704.1 SSCL|APA14593.1

>Orthogroup352: ANID|CBF80117.1 ANID|CBF85345.1 BCIN|XP\_001561291.2 BCIN|XP\_024552589.1 BGRA|VCU40873.1 CFRU|XP\_031889821.1 CGLO|KAF3798803.1 CGLO|KAF3805225.1 CHIG|XP\_018158842.1 CVIN|KAF4911356.1 CVYL|A13873 FGRM|XP\_011317948.1 FGRM|XP\_011319703.1 FGRM|XP\_011321797.1 MGRA|XP\_003856447.1 MLAR|XP\_007405993.1 MLAR|XP\_007406116.1 MLAR|XP\_007406177.1 MLAR|XP\_007407895.1 MLAR|XP\_007407896.1 MLAR|XP\_007409257.1 MLAR|XP\_007409374.1 MLAR|XP\_007409642.1 MLAR|XP\_007409643.1 MLAR|XP\_007409644.1 MLAR|XP\_007411964.1 MLAR|XP\_007417463.1 MLAR|XP\_007419229.1 MORY|QBZ57419.1 NCRA|XP\_964190.2 SSCL|APA06840.1

>Orthogroup353: ANID|CBF81685.1 ANID|CBF87743.1 BCIN|XP\_024550884.1 BCIN|XP\_024551277.1 CFRU|XP\_031880583.1 CFRU|XP\_031880839.1 CFRU|XP\_031884996.1 CGLO|KAF3801552.1 CGLO|KAF3807860.1 CGLO|KAF3812197.1 CHIG|XP\_018151576.1 CHIG|XP\_018153422.1 CHIG|XP\_018154244.1 CVIN|KAF4920945.1 CVIN|KAF4922624.1 CVYL|A00188 CVYL|A00751 FGRM|XP\_011315820.1 MGRA|XP\_003848201.1 MORY|QBZ53323.1 MORY|QBZ54754.1 MORY|QBZ58335.1 MORY|QBZ58501.1 MORY|QBZ61263.1 MORY|QBZ63732.1 MORY|QBZ66503.1 MORY|QBZ66504.1 MORY|QBZ66625.1 MORY|QBZ66644.1 NCRA|XP\_959383.2 SSCL|APA11812.1

>Orthogroup354: ANID|CBF82238.1 CFRU|XP\_031875299.1 CFRU|XP\_031875364.1 CFRU|XP\_031875650.1 CFRU|XP\_031876227.1 CFRU|XP\_031876972.1 CFRU|XP\_031877070.1 CFRU|XP\_031877525.1 CFRU|XP\_031877552.1 CFRU|XP\_031879325.1 CFRU|XP\_031879383.1 CFRU|XP\_031880015.1 CFRU|XP\_031880427.1 CFRU|XP\_031880857.1 CFRU|XP\_031881101.1 CFRU|XP\_031881132.1 CFRU|XP\_031881496.1 CFRU|XP\_031881877.1 CFRU|XP\_031882061.1 CFRU|XP\_031883897.1 CFRU|XP\_031883952.1 CFRU|XP\_031884437.1 CFRU|XP\_031884620.1 CFRU|XP\_031884953.1 CFRU|XP\_031887570.1 CFRU|XP\_031888913.1 CFRU|XP\_031890022.1 CFRU|XP\_031892147.1 CFRU|XP\_031892739.1 CFRU|XP\_031893016.1 CFRU|XP\_031893197.1

>Orthogroup355: ANID|CBF83591.1 ANID|CBF85846.1 CFRU|XP\_031875443.1 CFRU|XP\_031876048.1 CFRU|XP\_031883299.1 CFRU|XP\_031884613.1 CFRU|XP\_031889037.1 CFRU|XP\_031893374.1 CGLO|KAF3801703.1 CGLO|KAF3804216.1 CGLO|KAF3805252.1 CGLO|KAF3808052.1 CHIG|XP\_018151306.1 CHIG|XP\_018152750.1 CHIG|XP\_018158822.1 CHIG|XP\_018159210.1 CVIN|KAF4915642.1 CVIN|KAF4918267.1 CVIN|KAF4918684.1 CVIN|KAF4922820.1 CVYL|A08180 CVYL|A11449 CVYL|A12995 CVYL|A13901 FGRM|XP\_011327445.1 MGRA|XP\_003851384.1 MGRA|XP\_003857220.1 MORY|QBZ59854.1 MORY|QBZ60537.1 MORY|QBZ64398.1 NCRA|XP\_011392819.1

>Orthogroup356: BCIN|XP\_024553612.1 BGRA|VDB88180.1 CFRU|XP\_031885093.1 CFRU|XP\_031889535.1 CFRU|XP\_031889635.1 CGLO|KAF3805889.1 CGLO|KAF3807721.1 CGLO|KAF3810529.1 CHIG|XP\_018158911.1 CHIG|XP\_018159097.1 CHIG|XP\_018162954.1 CVIN|KAF4914577.1 CVIN|KAF4918888.1 CVIN|KAF4920773.1 CVYL|A07020 CVYL|A13607 CVYL|A13824 FGRM|XP\_011318301.1 FGRM|XP\_011318635.1 FGRM|XP\_011321269.1 FGRM|XP\_011322061.1 FGRM|XP\_011322486.1 FGRM|XP\_011324405.1 FGRM|XP\_011325318.1 FGRM|XP\_011325321.1 FGRM|XP\_011326210.1 FGRM|XP\_011327420.1 MLAR|XP\_007413003.1 MORY|QBZ55883.1 NCRA|XP\_957068.2 SSCL|APA08460.1

>Orthogroup357: CGLO|KAF3801360.1 CHIG|XP\_018151025.1 CHIG|XP\_018151786.1 CHIG|XP\_018157087.1 CHIG|XP\_018157696.1 CHIG|XP\_018158904.1 CHIG|XP\_018159930.1 CHIG|XP\_018161279.1 CHIG|XP\_018162951.1 CHIG|XP\_018164775.1 CVIN|KAF4891595.1 CVIN|KAF4905024.1 CVIN|KAF4913308.1 CVIN|KAF4914943.1 CVIN|KAF4918237.1 CVIN|KAF4918340.1 CVIN|KAF4918363.1 CVIN|KAF4918876.1 CVIN|KAF4919585.1 CVIN|KAF4920144.1 CVIN|KAF4920551.1 CVIN|KAF4920552.1 CVIN|KAF4920594.1 CVIN|KAF4920595.1 CVIN|KAF4920596.1 CVIN|KAF4923235.1 CVIN|KAF4923236.1 CVIN|KAF4924675.1 CVIN|KAF4925692.1 CVIN|KAF4925693.1 CVIN|KAF4930149.1

>Orthogroup358: MLAR|XP\_007403861.1 MLAR|XP\_007404812.1 MLAR|XP\_007405056.1 MLAR|XP\_007405863.1 MLAR|XP\_007406695.1 MLAR|XP\_007407286.1 MLAR|XP\_007408867.1 MLAR|XP\_007410884.1 MLAR|XP\_007411177.1 MLAR|XP\_007412451.1 MLAR|XP\_007412735.1 MLAR|XP\_007412973.1 MLAR|XP\_007414315.1 MLAR|XP\_007415096.1 MLAR|XP\_007415415.1 MLAR|XP\_007416704.1 MLAR|XP\_007417142.1 MLAR|XP\_007417842.1 MLAR|XP\_007417950.1 MLAR|XP\_007417958.1 MLAR|XP\_007418094.1 MLAR|XP\_007418554.1 MLAR|XP\_007418724.1 MLAR|XP\_007418846.1 MLAR|XP\_007418979.1 MLAR|XP\_007419038.1 MLAR|XP\_007419108.1 MLAR|XP\_007419314.1 MLAR|XP\_007419365.1 MLAR|XP\_007419393.1 MLAR|XP\_007419510.1

>Orthogroup359: ANID|CBF69585.1 ANID|CBF71775.1 ANID|CBF84269.1 BCIN|XP\_001560369.1 CFRU|XP\_031881449.1 CFRU|XP\_031883573.1 CFRU|XP\_031885136.1 CFRU|XP\_031891184.1 CFRU|XP\_031892128.1 CGLO|KAF3800083.1 CGLO|KAF3800938.1 CGLO|KAF3804743.1 CGLO|KAF3807777.1 CGLO|KAF3811908.1 CHIG|XP\_018153202.1 CHIG|XP\_018155143.1 CVIN|KAF4896540.1 CVIN|KAF4903560.1 CVIN|KAF4911827.1 CVIN|KAF4920899.1 CVIN|KAF4921500.1 CVYL|A00823 CVYL|A05377 CVYL|A05966 CVYL|A06150 FGRM|XP\_011328687.1 MGRA|XP\_003851141.1 MORY|QBZ57678.1 MORY|QBZ61740.1 SSCL|APA08797.1

>Orthogroup360: ANID|CBF69653.1 ANID|CBF74791.1 BCIN|XP\_001551851.1 BCIN|XP\_024553827.1 BGRA|VDB86357.1 CFRU|XP\_031876648.1 CFRU|XP\_031891489.1 CFRU|XP\_031893013.1 CGLO|KAF3797895.1 CGLO|KAF3801907.1 CGLO|KAF3808416.1 CHIG|XP\_018152494.1 CHIG|XP\_018161627.1 CVIN|KAF4918712.1 CVIN|KAF4923065.1 CVIN|KAF4924995.1 CVYL|A02347 CVYL|A05332 CVYL|A09575 FGRM|XP\_011317929.1 FGRM|XP\_011318673.1 MGRA|XP\_003854592.1 MGRA|XP\_003855893.1 MLAR|XP\_007417479.1 MORY|QBZ54851.1 MORY|QBZ62031.1 NCRA|XP\_958280.1 NCRA|XP\_963045.1 SSCL|APA15234.1 SSCL|APA15247.1

>Orthogroup361: ANID|CBF70183.1 ANID|CBF79154.1 ANID|CBF80338.1 ANID|CBF89142.1 BCIN|XP\_024551498.1 BCIN|XP\_024553290.1 CFRU|XP\_031878508.1 CFRU|XP\_031883948.1 CFRU|XP\_031884903.1 CGLO|KAF3798643.1 CGLO|KAF3805035.1 CGLO|KAF3812097.1 CHIG|XP\_018153255.1 CHIG|XP\_018153893.1 CHIG|XP\_018156518.1 CHIG|XP\_018163475.1 CVIN|KAF4912450.1 CVIN|KAF4918118.1 CVYL|A00303 CVYL|A04804 CVYL|A06517 FGRM|XP\_011322688.1 MGRA|XP\_003848197.1 MGRA|XP\_003850204.1 MGRA|XP\_003850666.1 MLAR|XP\_007404658.1 MLAR|XP\_007404664.1 MORY|QBZ58432.1 SSCL|APA10353.1 SSCL|APA13544.1

>Orthogroup362: ANID|CBF70573.1 BCIN|XP\_001552045.1 BCIN|XP\_001559304.1 BCIN|XP\_001560263.2 BCIN|XP\_024548803.1 CFRU|XP\_031880926.1 CFRU|XP\_031886382.1 CGLO|KAF3806367.1 CGLO|KAF3806959.1 CHIG|XP\_018151156.1 CHIG|XP\_018162226.1 CVIN|KAF4919171.1 CVIN|KAF4923241.1 CVYL|A06249 CVYL|A09060 CVYL|A11953 FGRM|XP\_011322924.1 FGRM|XP\_011324270.1 MGRA|XP\_003852421.1 MGRA|XP\_003854255.1 MLAR|XP\_007410601.1 MLAR|XP\_007411581.1 MLAR|XP\_007414526.1 MLAR|XP\_007417813.1 MLAR|XP\_007418270.1 NCRA|XP\_961873.1 SSCL|APA07850.1 SSCL|APA09648.1 SSCL|APA10025.1 SSCL|APA15958.1

>Orthogroup363: ANID|CBF71116.1 ANID|CBF78449.1 BCIN|XP\_001550516.1 BCIN|XP\_024545961.1 CFRU|XP\_031877926.1 CFRU|XP\_031878160.1 CFRU|XP\_031880884.1 CFRU|XP\_031891751.1 CGLO|KAF3800109.1 CGLO|KAF3801803.1 CGLO|KAF3806883.1 CHIG|XP\_018154950.1 CHIG|XP\_018159585.1 CHIG|XP\_018165046.1 CVIN|KAF4894668.1 CVIN|KAF4916984.1 CVIN|KAF4925852.1 CVYL|A02228 CVYL|A02528 CVYL|A06800 CVYL|A12903 FGRM|XP\_011318160.1 FGRM|XP\_011325889.1 FGRM|XP\_011328358.1 FGRM|XP\_011328590.1 MGRA|XP\_003849919.1 MORY|QBZ54510.1 MORY|QBZ59118.1 NCRA|XP\_011395368.1 SSCL|APA15263.1

>Orthogroup364: ANID|CBF71545.1 BCIN|XP\_001549964.2 CFRU|XP\_031876967.1 CFRU|XP\_031878807.1 CFRU|XP\_031878992.1 CFRU|XP\_031879912.1 CGLO|KAF3799007.1 CGLO|KAF3799139.1 CGLO|KAF3799141.1 CGLO|KAF3802639.1 CGLO|KAF3807850.1 CHIG|XP\_018152983.1 CHIG|XP\_018162184.1 CHIG|XP\_018163040.1 CVIN|KAF4921659.1 CVIN|KAF4922607.1 CVIN|KAF4923444.1 CVYL|A00761 CVYL|A01933 CVYL|A07924 FGRM|XP\_011315627.1 FGRM|XP\_011320919.1 FGRM|XP\_011321851.1 MGRA|XP\_003849546.1 MGRA|XP\_003853901.1 MGRA|XP\_003854368.1 MORY|QBZ55180.1 MORY|QBZ64198.1 NCRA|XP\_964786.2 SSCL|APA06623.1

>Orthogroup365: ANID|CBF73413.1 ANID|CBF75131.1 ANID|CBF86422.1 ANID|CBF87201.1 BCIN|XP\_024552752.1 CFRU|XP\_031876123.1 CFRU|XP\_031877067.1 CFRU|XP\_031882352.1 CFRU|XP\_031882708.1 CGLO|KAF3806635.1 CGLO|KAF3807537.1 CGLO|KAF3811103.1 CHIG|XP\_018152964.1 CHIG|XP\_018156400.1 CHIG|XP\_018163339.1 CHIG|XP\_018164227.1 CVIN|KAF4911070.1 CVIN|KAF4918609.1 CVIN|KAF4918912.1 CVIN|KAF4928921.1 CVYL|A02946 CVYL|A07981 CVYL|A11266 CVYL|A12348 FGRM|XP\_011315685.1 FGRM|XP\_011318580.1 MGRA|XP\_003848049.1 MORY|QBZ56956.1 MORY|QBZ64267.1 SSCL|APA07494.1

>Orthogroup366: ANID|CBF73469.1 ANID|CBF74647.1 ANID|CBF75896.1 ANID|CBF81205.1 ANID|CBF87037.1 BCIN|XP\_001553602.2 BGRA|VCU40403.1 BGRA|VCU40406.1 BGRA|VCU40412.1 BGRA|VCU40414.1 BGRA|VCU40436.1 BGRA|VCU40972.1 BGRA|VDB90807.1 BGRA|VDB95021.1 BGRA|VDB95339.1 CFRU|XP\_031879783.1 CGLO|KAF3802987.1 CHIG|XP\_018153626.1 CVIN|KAF4929961.1 CVYL|A00420 FGRM|XP\_011316926.1 FGRM|XP\_011322341.1 MGRA|XP\_003851522.1 MLAR|XP\_007410816.1 MORY|QBZ60845.1 MORY|QBZ63847.1 NCRA|XP\_955886.2 NCRA|XP\_958160.1 NCRA|XP\_963774.1 SSCL|APA06434.1

>Orthogroup367: ANID|CBF73850.1 ANID|CBF74667.1 ANID|CBF74948.1 ANID|CBF77786.1 ANID|CBF80089.1 ANID|CBF82092.1 ANID|CBF87867.1 ANID|CBF88422.1 BCIN|XP\_001551569.2 BCIN|XP\_001554059.1 BCIN|XP\_001558734.2 BCIN|XP\_024551016.1 BCIN|XP\_024552796.1 BGRA|VCU41393.1 CFRU|XP\_031879473.1 CHIG|XP\_018154653.1 CVIN|KAF4926475.1 CVYL|A13506 FGRM|XP\_011321237.1 FGRM|XP\_011322752.1 MGRA|XP\_003848299.1 MGRA|XP\_003848864.1 MGRA|XP\_003856513.1 MLAR|XP\_007407814.1 MORY|QBZ61019.1 NCRA|XP\_959691.3 NCRA|XP\_963321.1 SSCL|APA05630.1 SSCL|APA11811.1 SSCL|APA16039.1

>Orthogroup368: ANID|CBF73971.1 ANID|CBF85177.1 ANID|CBF89051.1 BCIN|XP\_001559667.2 BCIN|XP\_024552819.1 BGRA|VCU41161.1 CFRU|XP\_031882460.1 CFRU|XP\_031884463.1 CGLO|KAF3807634.1 CGLO|KAF3810331.1 CHIG|XP\_018151889.1 CHIG|XP\_018156294.1 CHIG|XP\_018158305.1 CVIN|KAF4895359.1 CVYL|A03116 CVYL|A05773 FGRM|XP\_011319033.1 FGRM|XP\_011320990.1 MGRA|XP\_003849189.1 MGRA|XP\_003856214.1 MGRA|XP\_003857246.1 MLAR|XP\_007403670.1 MLAR|XP\_007403779.1 MLAR|XP\_007407350.1 MORY|QBZ62484.1 MORY|QBZ63369.1 MORY|QBZ65027.1 MORY|QBZ65082.1 NCRA|XP\_960695.2 SSCL|APA16008.1

>Orthogroup369: ANID|CBF73989.1 BCIN|XP\_024546880.1 CFRU|XP\_031880022.1 CFRU|XP\_031883708.1 CFRU|XP\_031884587.1 CGLO|KAF3799762.1 CGLO|KAF3800257.1 CGLO|KAF3805197.1 CGLO|KAF3810863.1 CHIG|XP\_018154956.1 CHIG|XP\_018158241.1 CHIG|XP\_018163615.1 CHIG|XP\_018164867.1 CVIN|KAF4897555.1 CVIN|KAF4909083.1 CVIN|KAF4918962.1 CVIN|KAF4920458.1 CVIN|KAF4921773.1 CVYL|A02028 CVYL|A02283 CVYL|A07959 CVYL|A11337 FGRM|XP\_011324550.1 MGRA|XP\_003846907.1 MGRA|XP\_003848021.1 MGRA|XP\_003857778.1 MORY|QBZ59132.1 MORY|QBZ64644.1 MORY|QBZ65352.1 NCRA|XP\_964849.1

>Orthogroup370: ANID|CBF73997.1 ANID|CBF78599.1 ANID|CBF78703.1 ANID|CBF89948.1 BCIN|XP\_001546901.2 BCIN|XP\_024547384.1 BCIN|XP\_024552528.1 CFRU|XP\_031876089.1 CHIG|XP\_018151834.1 CHIG|XP\_018154196.1 CVIN|KAF4929544.1 CVYL|A10868 FGRM|XP\_011319842.1 MGRA|XP\_003847218.1 MGRA|XP\_003849307.1 MGRA|XP\_003849311.1 MGRA|XP\_003852326.1 MGRA|XP\_003853790.1 MGRA|XP\_003854590.1 MGRA|XP\_003854914.1 MGRA|XP\_003854938.1 MGRA|XP\_003856145.1 MGRA|XP\_003857554.1 NCRA|XP\_961866.1 SSCL|APA06715.1 SSCL|APA11637.1 SSCL|APA11638.1 SSCL|APA14386.1 SSCL|APA15320.1 SSCL|APA16221.1

>Orthogroup371: ANID|CBF75189.1 ANID|CBF83027.1 ANID|CBF87321.1 BCIN|XP\_024549436.1 CFRU|XP\_031877247.1 CFRU|XP\_031883135.1 CFRU|XP\_031883461.1 CFRU|XP\_031883763.1 CFRU|XP\_031884607.1 CGLO|KAF3796952.1 CGLO|KAF3800222.1 CGLO|KAF3800758.1 CGLO|KAF3805040.1 CHIG|XP\_018155066.1 CHIG|XP\_018163324.1 CHIG|XP\_018163465.1 CVIN|KAF4919627.1 CVIN|KAF4919724.1 CVIN|KAF4920420.1 CVYL|A00447 CVYL|A06065 CVYL|A06511 FGRM|XP\_011318124.1 FGRM|XP\_011321447.1 FGRM|XP\_011328413.1 MGRA|XP\_003847253.1 MGRA|XP\_003856841.1 MGRA|XP\_003856876.1 MORY|QBZ57860.1 SSCL|APA09210.1

>Orthogroup372: ANID|CBF77964.1 CFRU|XP\_031876338.1 CFRU|XP\_031876443.1 CFRU|XP\_031878860.1 CFRU|XP\_031884416.1 CFRU|XP\_031887538.1 CFRU|XP\_031890519.1 CGLO|KAF3796979.1 CGLO|KAF3801183.1 CGLO|KAF3801953.1 CGLO|KAF3803286.1 CHIG|XP\_018151605.1 CHIG|XP\_018155197.1 CHIG|XP\_018156909.1 CHIG|XP\_018161497.1 CVIN|KAF4890551.1 CVIN|KAF4905513.1 CVIN|KAF4913285.1 CVIN|KAF4919516.1 CVYL|A01914 CVYL|A02388 CVYL|A04974 CVYL|A05802 CVYL|A06209 FGRM|XP\_011322895.1 FGRM|XP\_011323189.1 FGRM|XP\_011325630.1 MORY|QBZ57683.1 MORY|QBZ58286.1 MORY|QBZ63755.1

>Orthogroup373: ANID|CBF78234.1 ANID|CBF84329.1 BCIN|XP\_024548876.1 BCIN|XP\_024550476.1 CFRU|XP\_031876895.1 CFRU|XP\_031884183.1 CFRU|XP\_031886055.1 CFRU|XP\_031891463.1 CGLO|KAF3799839.1 CGLO|KAF3803775.1 CGLO|KAF3804665.1 CGLO|KAF3805474.1 CHIG|XP\_018153833.1 CHIG|XP\_018155341.1 CHIG|XP\_018159140.1 CHIG|XP\_018161738.1 CVIN|KAF4898727.1 CVIN|KAF4913892.1 CVIN|KAF4917911.1 CVYL|A05220 CVYL|A05604 CVYL|A09675 CVYL|A14153 FGRM|XP\_011327423.1 FGRM|XP\_011328741.1 MORY|QBZ53729.1 MORY|QBZ65091.1 NCRA|XP\_962558.3 NCRA|XP\_963610.2 SSCL|APA11189.1

>Orthogroup374: ANID|CBF78739.1 BCIN|XP\_024547388.1 BCIN|XP\_024547558.1 BCIN|XP\_024552367.1 CFRU|XP\_031889043.1 CFRU|XP\_031890305.1 CGLO|KAF3799187.1 CGLO|KAF3810396.1 CHIG|XP\_018151564.1 CHIG|XP\_018151572.1 CHIG|XP\_018151837.1 CHIG|XP\_018153332.1 CHIG|XP\_018156673.1 CHIG|XP\_018156676.1 CHIG|XP\_018159795.1 CHIG|XP\_018164212.1 CVIN|KAF4908461.1 CVIN|KAF4914921.1 CVYL|A08914 CVYL|A10083 MGRA|XP\_003852535.1 MGRA|XP\_003854833.1 MORY|QBZ60715.1 MORY|QBZ60722.1 MORY|QBZ65099.1 NCRA|XP\_956309.2 NCRA|XP\_959376.3 SSCL|APA06525.1 SSCL|APA14390.1 SSCL|APA16244.1

>Orthogroup375: ANID|CBF78983.1 BCIN|XP\_001550922.1 BCIN|XP\_001553496.1 BGRA|VDB84235.1 CFRU|XP\_031877066.1 CFRU|XP\_031878957.1 CFRU|XP\_031891580.1 CGLO|KAF3797636.1 CGLO|KAF3807904.1 CGLO|KAF3811087.1 CHIG|XP\_018152978.1 CHIG|XP\_018157428.1 CVIN|KAF4893854.1 CVIN|KAF4911068.1 CVIN|KAF4915239.1 CVYL|A00712 CVYL|A09708 CVYL|A11051 FGRM|XP\_011323031.1 FGRM|XP\_011324322.1 MGRA|XP\_003853495.1 MGRA|XP\_003853943.1 MGRA|XP\_003856683.1 MLAR|XP\_007404356.1 MLAR|XP\_007404737.1 MORY|QBZ60054.1 MORY|QBZ64358.1 MORY|QBZ66427.1 NCRA|XP\_965392.1 SSCL|APA10870.1

>Orthogroup376: ANID|CBF79428.1 ANID|CBF79432.1 BCIN|XP\_024549713.1 BCIN|XP\_024549714.1 BGRA|VDB91022.1 BGRA|VDB91028.1 CFRU|XP\_031882788.1 CFRU|XP\_031882864.1 CGLO|KAF3803354.1 CHIG|XP\_018164105.1 CVIN|KAF4915964.1 CVIN|KAF4915966.1 CVYL|A14279 CVYL|A14280 FGRM|XP\_011316181.1 FGRM|XP\_011316182.1 MGRA|XP\_003851516.1 MGRA|XP\_003851991.1 MLAR|XP\_007406386.1 MLAR|XP\_007407673.1 MLAR|XP\_007409882.1 MLAR|XP\_007411546.1 MLAR|XP\_007417633.1 MLAR|XP\_007417704.1 MLAR|XP\_007418423.1 MORY|QBZ54655.1 NCRA|XP\_001728368.2 NCRA|XP\_964218.1 SSCL|APA05461.1 SSCL|APA05462.1

>Orthogroup377: ANID|CBF80355.1 BCIN|XP\_024546194.1 CFRU|XP\_031878281.1 CFRU|XP\_031888412.1 CFRU|XP\_031889327.1 CFRU|XP\_031893159.1 CGLO|KAF3798067.1 CGLO|KAF3803667.1 CGLO|KAF3809463.1 CHIG|XP\_018152709.1 CHIG|XP\_018155502.1 CHIG|XP\_018163790.1 CVIN|KAF4927969.1 CVIN|KAF4928303.1 CVIN|KAF4928562.1 CVYL|A01062 CVYL|A08290 CVYL|A10030 CVYL|A14600 FGRM|XP\_011322622.1 FGRM|XP\_011323874.1 FGRM|XP\_011327418.1 MGRA|XP\_003851070.1 MORY|QBZ54627.1 MORY|QBZ58632.1 MORY|QBZ64462.1 MORY|QBZ65963.1 NCRA|XP\_001728155.2 NCRA|XP\_963873.1 SSCL|APA07036.1

>Orthogroup378: ANID|CBF81449.1 ANID|CBF86015.1 BCIN|XP\_001556808.2 BCIN|XP\_001561172.1 BCIN|XP\_024548522.1 BGRA|VCU40367.1 BGRA|VCU40381.1 BGRA|VDB92625.1 CFRU|XP\_031883568.1 CFRU|XP\_031886175.1 CGLO|KAF3806562.1 CHIG|XP\_018155080.1 CHIG|XP\_018157602.1 CVIN|KAF4920471.1 CVIN|KAF4921783.1 CVYL|A02023 CVYL|A09307 FGRM|XP\_011323503.1 FGRM|XP\_011324357.1 MLAR|XP\_007403826.1 MLAR|XP\_007414766.1 MLAR|XP\_007415353.1 MORY|QBZ53356.1 MORY|QBZ62388.1 NCRA|XP\_959428.3 NCRA|XP\_959869.2 SSCL|APA07106.1 SSCL|APA12112.1 SSCL|APA14585.1 SSCL|APA14586.1

>Orthogroup379: ANID|CBF82492.1 ANID|CBF90292.1 BCIN|XP\_001546449.2 CFRU|XP\_031877407.1 CFRU|XP\_031880212.1 CFRU|XP\_031886046.1 CGLO|KAF3801152.1 CGLO|KAF3808458.1 CGLO|KAF3808937.1 CHIG|XP\_018155211.1 CHIG|XP\_018155765.1 CHIG|XP\_018161995.1 CVIN|KAF4904492.1 CVIN|KAF4915206.1 CVIN|KAF4920745.1 CVYL|A01153 CVYL|A05693 CVYL|A11683 FGRM|XP\_011321988.1 FGRM|XP\_011322506.1 FGRM|XP\_011325950.1 FGRM|XP\_011327255.1 FGRM|XP\_011327499.1 MGRA|XP\_003850272.1 MORY|QBZ56147.1 MORY|QBZ59261.1 MORY|QBZ64371.1 NCRA|XP\_955885.1 NCRA|XP\_963968.3 SSCL|APA08277.1

>Orthogroup380: ANID|CBF83000.1 ANID|CBF86704.1 BCIN|XP\_024547550.1 BCIN|XP\_024550309.1 BGRA|VDB85749.1 CFRU|XP\_031878293.1 CFRU|XP\_031881029.1 CFRU|XP\_031889330.1 CFRU|XP\_031889362.1 CGLO|KAF3797700.1 CGLO|KAF3798106.1 CGLO|KAF3809852.1 CHIG|XP\_018155486.1 CVIN|KAF4927941.1 CVIN|KAF4928308.1 CVIN|KAF4928331.1 CVIN|KAF4930636.1 CVYL|A01023 CVYL|A01070 CVYL|A01762 CVYL|A08252 FGRM|XP\_011321178.1 FGRM|XP\_011327329.1 MGRA|XP\_003849434.1 MGRA|XP\_003856905.1 MORY|QBZ54964.1 MORY|QBZ57513.1 NCRA|XP\_962891.1 SSCL|APA07859.1 SSCL|APA10974.1

>Orthogroup381: ANID|CBF83617.1 ANID|CBF84952.1 BCIN|XP\_024548998.1 BCIN|XP\_024549461.1 BGRA|VDB93284.1 CFRU|XP\_031878288.1 CFRU|XP\_031878669.1 CFRU|XP\_031889465.1 CFRU|XP\_031890198.1 CGLO|KAF3797543.1 CGLO|KAF3808830.1 CHIG|XP\_018155747.1 CHIG|XP\_018158456.1 CHIG|XP\_018162835.1 CVIN|KAF4899966.1 CVIN|KAF4909982.1 CVIN|KAF4915600.1 CVIN|KAF4923542.1 CVYL|A01251 CVYL|A05155 CVYL|A08335 CVYL|A08996 FGRM|XP\_011316416.1 FGRM|XP\_011321967.1 MGRA|XP\_003850426.1 MGRA|XP\_003853150.1 MLAR|XP\_007405232.1 MORY|QBZ55212.1 NCRA|XP\_964545.2 SSCL|APA09339.1

>Orthogroup382: ANID|CBF85305.1 ANID|CBF88911.1 BCIN|XP\_001551701.1 BCIN|XP\_024547862.1 BCIN|XP\_024548040.1 CFRU|XP\_031887370.1 CFRU|XP\_031890864.1 CFRU|XP\_031893220.1 CGLO|KAF3801455.1 CGLO|KAF3809516.1 CHIG|XP\_018151574.1 CHIG|XP\_018151658.1 CHIG|XP\_018152647.1 CHIG|XP\_018154157.1 CHIG|XP\_018156164.1 CHIG|XP\_018157664.1 CHIG|XP\_018162669.1 CVIN|KAF4912398.1 CVIN|KAF4918576.1 CVIN|KAF4924167.1 CVYL|A01543 CVYL|A08503 CVYL|A12670 MGRA|XP\_003852880.1 MORY|QBZ56958.1 MORY|QBZ60719.1 NCRA|XP\_011395057.1 SSCL|APA08184.1 SSCL|APA08280.1 SSCL|APA11612.1

>Orthogroup383: ANID|CBF87369.1 BCIN|XP\_024552385.1 CFRU|XP\_031881399.1 CFRU|XP\_031889649.1 CFRU|XP\_031892025.1 CFRU|XP\_031892245.1 CGLO|KAF3801380.1 CGLO|KAF3801433.1 CGLO|KAF3805742.1 CGLO|KAF3807905.1 CGLO|KAF3810518.1 CHIG|XP\_018151607.1 CHIG|XP\_018161711.1 CHIG|XP\_018164769.1 CVIN|KAF4896174.1 CVIN|KAF4907818.1 CVIN|KAF4914571.1 CVIN|KAF4922337.1 CVYL|A00324 CVYL|A07650 CVYL|A07702 CVYL|A09878 FGRM|XP\_011321930.1 FGRM|XP\_011323331.1 FGRM|XP\_011324387.1 FGRM|XP\_011325193.1 MORY|QBZ53726.1 MORY|QBZ55812.1 MORY|QBZ65095.1 MORY|QBZ65337.1

>Orthogroup384: ANID|CBF88592.1 BCIN|XP\_024549467.1 CFRU|XP\_031878318.1 CFRU|XP\_031885419.1 CFRU|XP\_031887286.1 CFRU|XP\_031889419.1 CGLO|KAF3798037.1 CGLO|KAF3802723.1 CGLO|KAF3806494.1 CGLO|KAF3808728.1 CGLO|KAF3809324.1 CHIG|XP\_018155640.1 CHIG|XP\_018156162.1 CHIG|XP\_018157530.1 CHIG|XP\_018158083.1 CVIN|KAF4919443.1 CVIN|KAF4924198.1 CVIN|KAF4927944.1 CVIN|KAF4929640.1 CVYL|A01526 CVYL|A08322 CVYL|A09374 FGRM|XP\_011325810.1 FGRM|XP\_011327744.1 FGRM|XP\_011328145.1 FGRM|XP\_011328750.1 FGRM|XP\_011328754.1 MORY|QBZ56571.1 NCRA|XP\_961794.1 SSCL|APA09190.1

>Orthogroup385: ANID|CBF89457.1 BCIN|XP\_001560566.1 BCIN|XP\_024552540.1 CFRU|XP\_031876904.1 CFRU|XP\_031884983.1 CFRU|XP\_031886444.1 CGLO|KAF3811891.1 CGLO|KAF3812114.1 CHIG|XP\_018151709.1 CHIG|XP\_018153351.1 CHIG|XP\_018153858.1 CHIG|XP\_018155177.1 CVIN|KAF4907991.1 CVIN|KAF4918110.1 CVIN|KAF4920574.1 CVYL|A00284 CVYL|A06184 CVYL|A09689 FGRM|XP\_011324452.1 FGRM|XP\_011325323.1 MGRA|XP\_003848785.1 MLAR|XP\_007407137.1 MLAR|XP\_007410340.1 MLAR|XP\_007412734.1 MLAR|XP\_007418265.1 MORY|QBZ60264.1 MORY|QBZ62005.1 MORY|QBZ62579.1 SSCL|APA07889.1 SSCL|APA08636.1

>Orthogroup386: BCIN|XP\_001555310.2 BCIN|XP\_024553408.1 CFRU|XP\_031878448.1 CFRU|XP\_031882654.1 CFRU|XP\_031885894.1 CFRU|XP\_031889884.1 CFRU|XP\_031893144.1 CGLO|KAF3798337.1 CGLO|KAF3799790.1 CGLO|KAF3801139.1 CHIG|XP\_018152438.1 CHIG|XP\_018157052.1 CVIN|KAF4912452.1 CVIN|KAF4917792.1 CVYL|A04803 CVYL|A08231 CVYL|A13761 FGRM|XP\_011320825.1 FGRM|XP\_011321078.1 FGRM|XP\_011323110.1 FGRM|XP\_011325251.1 MGRA|XP\_003851403.1 MGRA|XP\_003852542.1 MLAR|XP\_007409218.1 MLAR|XP\_007412012.1 MLAR|XP\_007412529.1 MLAR|XP\_007414531.1 MORY|QBZ66407.1 NCRA|XP\_958024.2 NCRA|XP\_959737.2

>Orthogroup387: BCIN|XP\_001545239.2 BGRA|VCU40575.1 CFRU|XP\_031877133.1 CFRU|XP\_031881267.1 CFRU|XP\_031881913.1 CFRU|XP\_031892131.1 CGLO|KAF3802553.1 CGLO|KAF3806086.1 CHIG|XP\_018150955.1 CHIG|XP\_018164588.1 CHIG|XP\_018164787.1 CVIN|KAF4909969.1 CVIN|KAF4910739.1 CVIN|KAF4921875.1 CVIN|KAF4925207.1 CVYL|A02143 CVYL|A07426 CVYL|A07741 CVYL|A08811 FGRM|XP\_011323747.1 FGRM|XP\_011325234.1 FGRM|XP\_011328570.1 MGRA|XP\_003850224.1 MGRA|XP\_003851117.1 MGRA|XP\_003852540.1 MLAR|XP\_007404033.1 MLAR|XP\_007418334.1 MORY|QBZ59153.1 NCRA|XP\_962360.2 SSCL|APA13846.1

>Orthogroup388: BGRA|VCU40586.1 BGRA|VCU40589.1 BGRA|VCU40707.1 BGRA|VCU40712.1 BGRA|VCU40766.1 BGRA|VCU40792.1 BGRA|VCU40896.1 BGRA|VCU40905.1 BGRA|VCU40913.1 BGRA|VDB85656.1 BGRA|VDB85658.1 BGRA|VDB85855.1 BGRA|VDB86186.1 BGRA|VDB87692.1 BGRA|VDB87699.1 BGRA|VDB87700.1 BGRA|VDB87709.1 BGRA|VDB87711.1 BGRA|VDB87713.1 BGRA|VDB87715.1 BGRA|VDB87717.1 BGRA|VDB87729.1 BGRA|VDB87735.1 BGRA|VDB87737.1 BGRA|VDB87739.1 BGRA|VDB87743.1 BGRA|VDB87745.1 BGRA|VDB88687.1 BGRA|VDB91355.1 BGRA|VDB91399.1

>Orthogroup389: CFRU|XP\_031878724.1 CFRU|XP\_031879351.1 CFRU|XP\_031880942.1 CFRU|XP\_031882078.1 CFRU|XP\_031884251.1 CGLO|KAF3798328.1 CGLO|KAF3806020.1 CGLO|KAF3807003.1 CGLO|KAF3808612.1 CGLO|KAF3811071.1 CHIG|XP\_018151147.1 CHIG|XP\_018151176.1 CHIG|XP\_018159412.1 CHIG|XP\_018159659.1 CHIG|XP\_018161338.1 CHIG|XP\_018161904.1 CVIN|KAF4895121.1 CVIN|KAF4915269.1 CVIN|KAF4917824.1 CVIN|KAF4920311.1 CVIN|KAF4926136.1 CVYL|A06298 CVYL|A07492 CVYL|A09040 CVYL|A09723 CVYL|A12344 FGRM|XP\_011318488.1 MGRA|XP\_003847772.1 MORY|QBZ59830.1 MORY|QBZ64893.1

>Orthogroup390: MLAR|XP\_007404744.1 MLAR|XP\_007404892.1 MLAR|XP\_007404893.1 MLAR|XP\_007405582.1 MLAR|XP\_007406430.1 MLAR|XP\_007407429.1 MLAR|XP\_007408279.1 MLAR|XP\_007408611.1 MLAR|XP\_007408612.1 MLAR|XP\_007408790.1 MLAR|XP\_007409579.1 MLAR|XP\_007410419.1 MLAR|XP\_007411573.1 MLAR|XP\_007411597.1 MLAR|XP\_007412101.1 MLAR|XP\_007413018.1 MLAR|XP\_007414282.1 MLAR|XP\_007414608.1 MLAR|XP\_007416182.1 MLAR|XP\_007416255.1 MLAR|XP\_007417787.1 MLAR|XP\_007417884.1 MLAR|XP\_007417957.1 MLAR|XP\_007418264.1 MLAR|XP\_007418863.1 MLAR|XP\_007418980.1 MLAR|XP\_007419080.1 MLAR|XP\_007419637.1 MLAR|XP\_007419721.1 MLAR|XP\_007419837.1

>Orthogroup391: MLAR|XP\_007404639.1 MLAR|XP\_007404640.1 MLAR|XP\_007404667.1 MLAR|XP\_007404951.1 MLAR|XP\_007406936.1 MLAR|XP\_007408562.1 MLAR|XP\_007408563.1 MLAR|XP\_007409018.1 MLAR|XP\_007409677.1 MLAR|XP\_007409678.1 MLAR|XP\_007409951.1 MLAR|XP\_007411161.1 MLAR|XP\_007411423.1 MLAR|XP\_007411424.1 MLAR|XP\_007411928.1 MLAR|XP\_007412010.1 MLAR|XP\_007412152.1 MLAR|XP\_007413347.1 MLAR|XP\_007415715.1 MLAR|XP\_007415716.1 MLAR|XP\_007415717.1 MLAR|XP\_007416617.1 MLAR|XP\_007416618.1 MLAR|XP\_007417764.1 MLAR|XP\_007418318.1 MLAR|XP\_007419179.1 MLAR|XP\_007419262.1 MLAR|XP\_007419340.1 MLAR|XP\_007419341.1 MLAR|XP\_007419560.1

>Orthogroup392: MLAR|XP\_007406404.1 MLAR|XP\_007406522.1 MLAR|XP\_007407308.1 MLAR|XP\_007407319.1 MLAR|XP\_007407321.1 MLAR|XP\_007407323.1 MLAR|XP\_007408055.1 MLAR|XP\_007408056.1 MLAR|XP\_007408756.1 MLAR|XP\_007410192.1 MLAR|XP\_007411798.1 MLAR|XP\_007412248.1 MLAR|XP\_007412249.1 MLAR|XP\_007412526.1 MLAR|XP\_007412629.1 MLAR|XP\_007412746.1 MLAR|XP\_007412759.1 MLAR|XP\_007412769.1 MLAR|XP\_007412834.1 MLAR|XP\_007412835.1 MLAR|XP\_007413499.1 MLAR|XP\_007413620.1 MLAR|XP\_007415723.1 MLAR|XP\_007415892.1 MLAR|XP\_007415894.1 MLAR|XP\_007416172.1 MLAR|XP\_007417273.1 MLAR|XP\_007417392.1 MLAR|XP\_007418250.1 MLAR|XP\_007418251.1

>Orthogroup393: ANID|CBF69377.1 ANID|CBF81789.1 ANID|CBF87415.1 CFRU|XP\_031876279.1 CFRU|XP\_031881232.1 CFRU|XP\_031881903.1 CFRU|XP\_031886064.1 CGLO|KAF3801162.1 CGLO|KAF3805994.1 CGLO|KAF3810001.1 CGLO|KAF3810999.1 CHIG|XP\_018154867.1 CHIG|XP\_018157731.1 CHIG|XP\_018164659.1 CVIN|KAF4911055.1 CVIN|KAF4912999.1 CVIN|KAF4921846.1 CVIN|KAF4925746.1 CVYL|A02155 CVYL|A02602 CVYL|A06226 CVYL|A07521 FGRM|XP\_011318383.1 FGRM|XP\_011321954.1 FGRM|XP\_011322390.1 MGRA|XP\_003849209.1 MORY|QBZ56152.1 MORY|QBZ66664.1 NCRA|XP\_958752.1

>Orthogroup394: ANID|CBF70172.1 BCIN|XP\_001554464.1 CFRU|XP\_031875722.1 CFRU|XP\_031877524.1 CFRU|XP\_031883111.1 CFRU|XP\_031890093.1 CFRU|XP\_031891937.1 CGLO|KAF3797517.1 CGLO|KAF3798152.1 CGLO|KAF3798259.1 CGLO|KAF3800148.1 CGLO|KAF3808256.1 CHIG|XP\_018150803.1 CHIG|XP\_018151322.1 CHIG|XP\_018153789.1 CHIG|XP\_018154046.1 CHIG|XP\_018165082.1 CVIN|KAF4900286.1 CVIN|KAF4916931.1 CVIN|KAF4919141.1 CVIN|KAF4921631.1 CVIN|KAF4925863.1 CVYL|A00592 CVYL|A01965 CVYL|A04961 CVYL|A06840 CVYL|A09242 FGRM|XP\_011323329.1 FGRM|XP\_011325263.1

>Orthogroup395: ANID|CBF70342.1 ANID|CBF85458.1 BCIN|XP\_001548318.2 BGRA|VDB95081.1 CFRU|XP\_031877978.1 CFRU|XP\_031880766.1 CFRU|XP\_031886505.1 CFRU|XP\_031892580.1 CGLO|KAF3803057.1 CGLO|KAF3806328.1 CGLO|KAF3810890.1 CGLO|KAF3811193.1 CHIG|XP\_018153549.1 CHIG|XP\_018154923.1 CVIN|KAF4916375.1 CVIN|KAF4919878.1 CVIN|KAF4923934.1 CVIN|KAF4931250.1 CVYL|A00066 CVYL|A02252 CVYL|A04357 CVYL|A11916 FGRM|XP\_011316908.1 FGRM|XP\_011322706.1 MGRA|XP\_003856714.1 MLAR|XP\_007408783.1 MORY|QBZ63170.1 NCRA|XP\_964169.1 SSCL|APA06374.1

>Orthogroup396: ANID|CBF70354.1 ANID|CBF73614.1 ANID|CBF77326.1 ANID|CBF87974.1 BCIN|XP\_001558531.1 BCIN|XP\_001559974.1 BCIN|XP\_024548815.1 BCIN|XP\_024551924.1 BGRA|VCU39960.1 CFRU|XP\_031876649.1 CFRU|XP\_031890299.1 CGLO|KAF3801908.1 CGLO|KAF3802926.1 CHIG|XP\_018158528.1 CVIN|KAF4918711.1 CVIN|KAF4925584.1 CVYL|A02348 CVYL|A05090 FGRM|XP\_011320615.1 FGRM|XP\_011322236.1 MGRA|XP\_003848106.1 MGRA|XP\_003855857.1 MGRA|XP\_003857793.1 MLAR|XP\_007416101.1 MORY|QBZ63209.1 SSCL|APA06362.1 SSCL|APA09628.1 SSCL|APA09787.1 SSCL|APA14671.1

>Orthogroup397: ANID|CBF70690.1 ANID|CBF74338.1 ANID|CBF82877.1 BCIN|XP\_001551177.1 BCIN|XP\_001552597.1 CFRU|XP\_031879671.1 CFRU|XP\_031881034.1 CFRU|XP\_031891776.1 CGLO|KAF3801398.1 CGLO|KAF3809884.1 CHIG|XP\_018154077.1 CHIG|XP\_018161470.1 CHIG|XP\_018164781.1 CVIN|KAF4919110.1 CVIN|KAF4922326.1 CVIN|KAF4930625.1 CVYL|A01733 CVYL|A04950 CVYL|A07684 FGRM|XP\_011322815.1 FGRM|XP\_011323525.1 FGRM|XP\_011327363.1 MGRA|XP\_003850546.1 MGRA|XP\_003855264.1 MORY|QBZ63353.1 NCRA|XP\_956001.1 NCRA|XP\_960171.3 SSCL|APA11448.1 SSCL|APA13207.1

>Orthogroup398: ANID|CBF70950.1 ANID|CBF85886.1 BCIN|XP\_001557229.1 BCIN|XP\_024553767.1 BGRA|VDB84307.1 BGRA|VDB93140.1 CFRU|XP\_031886875.1 CFRU|XP\_031887388.1 CGLO|KAF3809291.1 CGLO|KAF3811238.1 CHIG|XP\_018156119.1 CHIG|XP\_018160461.1 CVIN|KAF4921078.1 CVIN|KAF4931164.1 CVYL|A01486 CVYL|A04427 FGRM|XP\_011319355.1 FGRM|XP\_011327086.1 MGRA|XP\_003849124.1 MGRA|XP\_003855988.1 MLAR|XP\_007407629.1 MLAR|XP\_007412541.1 MLAR|XP\_007416800.1 MORY|QBZ59025.1 MORY|QBZ64757.1 NCRA|XP\_011394625.1 NCRA|XP\_961238.1 SSCL|APA12510.1 SSCL|APA15139.1

>Orthogroup399: ANID|CBF71201.1 ANID|CBF74964.1 ANID|CBF79744.1 ANID|CBF89341.1 CFRU|XP\_031876476.1 CFRU|XP\_031883944.1 CFRU|XP\_031893615.1 CGLO|KAF3798019.1 CGLO|KAF3800819.1 CGLO|KAF3805015.1 CGLO|KAF3811698.1 CHIG|XP\_018150480.1 CHIG|XP\_018150854.1 CHIG|XP\_018152828.1 CVIN|KAF4915604.1 CVIN|KAF4922491.1 CVIN|KAF4927131.1 CVYL|A04563 CVYL|A08338 CVYL|A08730 CVYL|A09999 FGRM|XP\_011319559.1 FGRM|XP\_011320922.1 FGRM|XP\_011320923.1 FGRM|XP\_011327349.1 MORY|QBZ53679.1 NCRA|XP\_961930.1 NCRA|XP\_965031.2 SSCL|APA08444.1

>Orthogroup400: ANID|CBF71211.1 ANID|CBF74011.1 ANID|CBF78356.1 ANID|CBF80599.1 ANID|CBF84289.1 BCIN|XP\_024546016.1 BCIN|XP\_024552812.1 CFRU|XP\_031876387.1 CFRU|XP\_031879725.1 CFRU|XP\_031884959.1 CFRU|XP\_031893558.1 CGLO|KAF3797787.1 CGLO|KAF3798554.1 CGLO|KAF3800982.1 CGLO|KAF3809527.1 CHIG|XP\_018152671.1 CHIG|XP\_018156483.1 CHIG|XP\_018161407.1 CVIN|KAF4913271.1 CVIN|KAF4923160.1 CVIN|KAF4930172.1 CVYL|A03012 CVYL|A05924 CVYL|A08494 FGRM|XP\_011318108.1 FGRM|XP\_011318356.1 FGRM|XP\_011319851.1 MGRA|XP\_003855177.1 SSCL|APA16020.1

>Orthogroup401: ANID|CBF71352.1 ANID|CBF82382.1 BCIN|XP\_024549994.1 BCIN|XP\_024550046.1 BGRA|VDB93480.1 CFRU|XP\_031880538.1 CFRU|XP\_031882246.1 CFRU|XP\_031888855.1 CGLO|KAF3804260.1 CGLO|KAF3804333.1 CGLO|KAF3811573.1 CHIG|XP\_018160115.1 CHIG|XP\_018160837.1 CVIN|KAF4909067.1 CVIN|KAF4914879.1 CVIN|KAF4920149.1 CVYL|A03420 CVYL|A03941 CVYL|A04026 FGRM|XP\_011327925.1 FGRM|XP\_011328377.1 MLAR|XP\_007414018.1 MORY|QBZ54764.1 MORY|QBZ56619.1 MORY|QBZ59161.1 NCRA|XP\_011394144.1 NCRA|XP\_011394466.1 SSCL|APA05336.1 SSCL|APA14469.1

>Orthogroup402: ANID|CBF73451.1 ANID|CBF73473.1 ANID|CBF73482.1 ANID|CBF77612.1 ANID|CBF80209.1 ANID|CBF89305.1 BCIN|XP\_001553479.1 BCIN|XP\_024548368.1 BGRA|VDB93243.1 CFRU|XP\_031878582.1 CFRU|XP\_031886441.1 CFRU|XP\_031892061.1 CFRU|XP\_031893332.1 CGLO|KAF3798395.1 CGLO|KAF3798481.1 CGLO|KAF3801296.1 CGLO|KAF3806348.1 CHIG|XP\_018155696.1 CHIG|XP\_018164847.1 CVIN|KAF4899318.1 CVIN|KAF4921596.1 CVYL|A07790 CVYL|A08211 FGRM|XP\_011319335.1 MGRA|XP\_003851358.1 MLAR|XP\_007415704.1 MORY|QBZ58939.1 NCRA|XP\_960678.2 SSCL|APA12346.1

>Orthogroup403: ANID|CBF73711.1 ANID|CBF83723.1 BCIN|XP\_001561381.1 BCIN|XP\_024547048.1 BGRA|VCU40639.1 BGRA|VDB90701.1 CFRU|XP\_031888435.1 CFRU|XP\_031888866.1 CGLO|KAF3797644.1 CGLO|KAF3799322.1 CGLO|KAF3803461.1 CHIG|XP\_018159918.1 CHIG|XP\_018163989.1 CVIN|KAF4924766.1 CVIN|KAF4926353.1 CVYL|A04208 CVYL|A14390 FGRM|XP\_011324459.1 FGRM|XP\_011326494.1 MGRA|XP\_003849946.1 MGRA|XP\_003855739.1 MLAR|XP\_007408064.1 MLAR|XP\_007417615.1 MORY|QBZ59183.1 MORY|QBZ63470.1 NCRA|XP\_958421.2 NCRA|XP\_961600.1 SSCL|APA06893.1 SSCL|APA14507.1

>Orthogroup404: ANID|CBF73880.1 ANID|CBF86691.1 BCIN|XP\_001552825.2 BCIN|XP\_001553230.2 CFRU|XP\_031875630.1 CFRU|XP\_031877436.1 CFRU|XP\_031882809.1 CFRU|XP\_031888031.1 CGLO|KAF3797030.1 CGLO|KAF3802037.1 CGLO|KAF3805339.1 CGLO|KAF3806642.1 CHIG|XP\_018162013.1 CVIN|KAF4898426.1 CVIN|KAF4910506.1 CVIN|KAF4918932.1 CVIN|KAF4931548.1 CVIN|KAF4931570.1 CVYL|A03062 CVYL|A03351 CVYL|A11718 CVYL|A12354 FGRM|XP\_011318484.1 FGRM|XP\_011320829.1 FGRM|XP\_011327530.1 MGRA|XP\_003853890.1 MORY|QBZ61666.1 MORY|QBZ61667.1 SSCL|APA12067.1

>Orthogroup405: ANID|CBF73893.1 ANID|CBF78507.1 BCIN|XP\_024546426.1 CFRU|XP\_031877971.1 CFRU|XP\_031878406.1 CFRU|XP\_031882688.1 CFRU|XP\_031887404.1 CFRU|XP\_031892805.1 CGLO|KAF3797062.1 CGLO|KAF3803863.1 CGLO|KAF3809378.1 CGLO|KAF3810743.1 CGLO|KAF3810901.1 CHIG|XP\_018154934.1 CHIG|XP\_018156878.1 CHIG|XP\_018157034.1 CVIN|KAF4894648.1 CVIN|KAF4896771.1 CVIN|KAF4916343.1 CVIN|KAF4932016.1 CVYL|A02244 CVYL|A07208 CVYL|A08937 FGRM|XP\_011315836.1 FGRM|XP\_011321089.1 FGRM|XP\_011323068.1 FGRM|XP\_011325485.1 MORY|QBZ53627.1 NCRA|XP\_011395059.1

>Orthogroup406: ANID|CBF73906.1 ANID|CBF82620.1 ANID|CBF84249.1 BCIN|XP\_001552084.1 CFRU|XP\_031880125.1 CFRU|XP\_031884479.1 CFRU|XP\_031889360.1 CFRU|XP\_031890716.1 CFRU|XP\_031891850.1 CGLO|KAF3799781.1 CGLO|KAF3801352.1 CGLO|KAF3801574.1 CGLO|KAF3803137.1 CHIG|XP\_018155195.1 CHIG|XP\_018158218.1 CVIN|KAF4913325.1 CVIN|KAF4918949.1 CVIN|KAF4921086.1 CVIN|KAF4928313.1 CVYL|A01022 CVYL|A07729 CVYL|A11314 CVYL|A12559 FGRM|XP\_011323393.1 MGRA|XP\_003852951.1 MGRA|XP\_003856915.1 MORY|QBZ55904.1 NCRA|XP\_964807.1 SSCL|APA09814.1

>Orthogroup407: ANID|CBF74797.1 ANID|CBF78989.1 BCIN|XP\_001557273.1 BCIN|XP\_001557587.1 BCIN|XP\_001558301.1 BGRA|VDB92994.1 CFRU|XP\_031879914.1 CFRU|XP\_031881317.1 CFRU|XP\_031889112.1 CGLO|KAF3799005.1 CGLO|KAF3802453.1 CGLO|KAF3803090.1 CHIG|XP\_018151303.1 CHIG|XP\_018154751.1 CVIN|KAF4916863.1 CVIN|KAF4923445.1 CVIN|KAF4929557.1 CVYL|A00982 CVYL|A02043 CVYL|A07922 FGRM|XP\_011327473.1 MGRA|XP\_003852668.1 MGRA|XP\_003856964.1 MORY|QBZ62741.1 MORY|QBZ65079.1 NCRA|XP\_956851.1 SSCL|APA12319.1 SSCL|APA12491.1 SSCL|APA13686.1

>Orthogroup408: ANID|CBF75342.1 ANID|CBF77396.1 BCIN|XP\_001550994.1 BCIN|XP\_001560049.1 BGRA|VCU40256.1 BGRA|VDB90676.1 CFRU|XP\_031884656.1 CFRU|XP\_031890553.1 CGLO|KAF3804920.1 CGLO|KAF3810307.1 CHIG|XP\_018158333.1 CHIG|XP\_018164418.1 CVIN|KAF4913289.1 CVIN|KAF4919419.1 CVYL|A05797 CVYL|A12136 FGRM|XP\_011316491.1 FGRM|XP\_011317144.1 MGRA|XP\_003855845.1 MLAR|XP\_007406841.1 MLAR|XP\_007414050.1 MLAR|XP\_007414348.1 MLAR|XP\_007417667.1 MORY|QBZ56463.1 MORY|QBZ58456.1 NCRA|XP\_964367.2 NCRA|XP\_964451.2 SSCL|APA07061.1 SSCL|APA09921.1

>Orthogroup409: ANID|CBF75908.1 ANID|CBF76901.1 ANID|CBF85903.1 BCIN|XP\_024550814.1 BGRA|VCU39031.1 CFRU|XP\_031885415.1 CFRU|XP\_031888054.1 CGLO|KAF3799428.1 CGLO|KAF3802267.1 CHIG|XP\_018152300.1 CHIG|XP\_018154368.1 CVIN|KAF4924433.1 CVIN|KAF4931730.1 CVYL|A10274 CVYL|A13292 FGRM|XP\_011319814.1 FGRM|XP\_011319817.1 FGRM|XP\_011323654.1 MGRA|XP\_003853160.1 MGRA|XP\_003857027.1 MLAR|XP\_007403867.1 MLAR|XP\_007415639.1 MLAR|XP\_007417104.1 MORY|QBZ64789.1 MORY|QBZ65722.1 NCRA|XP\_956370.1 NCRA|XP\_964324.1 SSCL|APA07257.1 SSCL|APA11833.1

>Orthogroup410: ANID|CBF76105.1 ANID|CBF76449.1 BCIN|XP\_001551135.2 BCIN|XP\_001556654.1 BCIN|XP\_024546292.1 BCIN|XP\_024547216.1 BCIN|XP\_024547481.1 BCIN|XP\_024551716.1 BCIN|XP\_024552334.1 BGRA|VDB92925.1 CFRU|XP\_031882303.1 CFRU|XP\_031884889.1 CGLO|KAF3804420.1 CHIG|XP\_018153246.1 CVIN|KAF4912993.1 CVIN|KAF4930889.1 CVYL|A04124 CVYL|A05909 FGRM|XP\_011321602.1 MGRA|XP\_003852277.1 MGRA|XP\_003854795.1 MLAR|XP\_007414648.1 MORY|QBZ57854.1 MORY|QBZ59402.1 NCRA|XP\_958013.2 SSCL|APA07656.1 SSCL|APA13186.1 SSCL|APA14784.1 SSCL|APA15053.1

>Orthogroup411: ANID|CBF76406.1 ANID|CBF81299.1 BCIN|XP\_001557236.1 BCIN|XP\_024551739.1 BGRA|VDB93236.1 CFRU|XP\_031884863.1 CFRU|XP\_031885356.1 CGLO|KAF3799507.1 CGLO|KAF3801037.1 CHIG|XP\_018153294.1 CHIG|XP\_018154494.1 CVIN|KAF4908692.1 CVIN|KAF4931867.1 CVYL|A00347 CVYL|A13368 FGRM|XP\_011317474.1 FGRM|XP\_011321206.1 FGRM|XP\_011321578.1 MGRA|XP\_003848081.1 MGRA|XP\_003854816.1 MLAR|XP\_007411372.1 MLAR|XP\_007412412.1 MLAR|XP\_007417133.1 MORY|QBZ53847.1 MORY|QBZ57280.1 NCRA|XP\_956761.2 NCRA|XP\_962032.3 SSCL|APA12515.1 SSCL|APA14605.1

>Orthogroup412: ANID|CBF76882.1 ANID|CBF79476.1 BCIN|XP\_001545692.1 BCIN|XP\_024546048.1 BGRA|VCU39088.1 BGRA|VDB93614.1 CFRU|XP\_031876918.1 CFRU|XP\_031888021.1 CGLO|KAF3802239.1 CGLO|KAF3810714.1 CHIG|XP\_018154346.1 CHIG|XP\_018162569.1 CVIN|KAF4908236.1 CVIN|KAF4914844.1 CVYL|A03160 CVYL|A07239 FGRM|XP\_011319855.1 FGRM|XP\_011323985.1 MGRA|XP\_003847656.1 MGRA|XP\_003854411.1 MLAR|XP\_007404973.1 MLAR|XP\_007406025.1 MLAR|XP\_007406998.1 MORY|QBZ62842.1 MORY|QBZ66028.1 NCRA|XP\_011393921.1 NCRA|XP\_964519.3 SSCL|APA07272.1 SSCL|APA14943.1

>Orthogroup413: ANID|CBF79006.1 BCIN|XP\_001551952.1 BGRA|VDB94526.1 CFRU|XP\_031887701.1 CFRU|XP\_031887702.1 CFRU|XP\_031889109.1 CGLO|KAF3803220.1 CHIG|XP\_018154001.1 CHIG|XP\_018155582.1 CHIG|XP\_018161072.1 CVIN|KAF4929552.1 CVYL|A00979 CVYL|A03650 FGRM|XP\_011323267.1 MGRA|XP\_003848294.1 MGRA|XP\_003849628.1 MGRA|XP\_003851040.1 MGRA|XP\_003853386.1 MGRA|XP\_003853586.1 MGRA|XP\_003854342.1 MGRA|XP\_003854533.1 MGRA|XP\_003854539.1 MGRA|XP\_003855898.1 MLAR|XP\_007406838.1 MORY|QBZ53641.1 MORY|QBZ56253.1 MORY|QBZ58290.1 MORY|QBZ60835.1 NCRA|XP\_958301.1

>Orthogroup414: ANID|CBF80822.1 ANID|CBF90049.1 BCIN|XP\_001546606.1 BGRA|VDB87850.1 BGRA|VDB90628.1 BGRA|VDB92802.1 BGRA|VDB92807.1 CFRU|XP\_031891639.1 CFRU|XP\_031893029.1 CGLO|KAF3797915.1 CGLO|KAF3800834.1 CHIG|XP\_018150873.1 CHIG|XP\_018161605.1 CVIN|KAF4907835.1 CVIN|KAF4922460.1 CVYL|A05350 CVYL|A08714 FGRM|XP\_011318654.1 FGRM|XP\_011319391.1 FGRM|XP\_011321720.1 FGRM|XP\_011328055.1 MGRA|XP\_003849742.1 MLAR|XP\_007406244.1 MLAR|XP\_007413001.1 MLAR|XP\_007413002.1 MLAR|XP\_007413124.1 MORY|QBZ64460.1 NCRA|XP\_962263.3 SSCL|APA13033.1

>Orthogroup415: ANID|CBF81448.1 CFRU|XP\_031890317.1 CFRU|XP\_031890853.1 CFRU|XP\_031891251.1 CGLO|KAF3804653.1 CGLO|KAF3808337.1 CGLO|KAF3811673.1 CHIG|XP\_018151855.1 CHIG|XP\_018155494.1 CHIG|XP\_018161705.1 CVIN|KAF4904108.1 CVIN|KAF4913897.1 CVIN|KAF4915951.1 CVYL|A05232 CVYL|A09218 CVYL|A12696 FGRM|XP\_011322008.1 FGRM|XP\_011328394.1 MORY|QBZ53781.1 MORY|QBZ55122.1 MORY|QBZ61249.1 MORY|QBZ61928.1 MORY|QBZ65199.1 MORY|QBZ66310.1 NCRA|XP\_011395350.1 NCRA|XP\_958969.1 NCRA|XP\_959051.1 NCRA|XP\_959145.2 NCRA|XP\_959657.2

>Orthogroup416: ANID|CBF82519.1 ANID|CBF88940.1 BCIN|XP\_024547377.1 BCIN|XP\_024551044.1 CFRU|XP\_031875855.1 CFRU|XP\_031876848.1 CFRU|XP\_031877568.1 CFRU|XP\_031877598.1 CFRU|XP\_031878971.1 CFRU|XP\_031880555.1 CFRU|XP\_031891756.1 CFRU|XP\_031892762.1 CGLO|KAF3797081.1 CGLO|KAF3797990.1 CGLO|KAF3800108.1 CHIG|XP\_018151880.1 CHIG|XP\_018157029.1 CHIG|XP\_018165045.1 CVIN|KAF4911393.1 CVIN|KAF4925853.1 CVYL|A06799 CVYL|A08363 CVYL|A10627 FGRM|XP\_011321411.1 FGRM|XP\_011325928.1 MGRA|XP\_003852735.1 MORY|QBZ53701.1 MORY|QBZ66463.1 SSCL|APA07010.1

>Orthogroup417: ANID|CBF83207.1 ANID|CBF83959.1 ANID|CBF85148.1 BCIN|XP\_001554308.2 BCIN|XP\_001556149.1 BCIN|XP\_024546831.1 CFRU|XP\_031888965.1 CFRU|XP\_031889342.1 CFRU|XP\_031893301.1 CGLO|KAF3803114.1 CGLO|KAF3809667.1 CHIG|XP\_018152530.1 CHIG|XP\_018155609.1 CVIN|KAF4909311.1 CVIN|KAF4925040.1 CVIN|KAF4928319.1 CVYL|A01002 CVYL|A08383 CVYL|A10110 FGRM|XP\_011322476.1 FGRM|XP\_011325870.1 MGRA|XP\_003847795.1 MGRA|XP\_003855471.1 MORY|QBZ58581.1 MORY|QBZ61907.1 MORY|QBZ63298.1 NCRA|XP\_963801.1 NCRA|XP\_964352.1 SSCL|APA06051.1

>Orthogroup418: ANID|CBF84130.1 BCIN|XP\_001559023.1 BGRA|VDB90668.1 CFRU|XP\_031877490.1 CFRU|XP\_031883624.1 CFRU|XP\_031890474.1 CGLO|KAF3798417.1 CGLO|KAF3804855.1 CGLO|KAF3810831.1 CHIG|XP\_018155028.1 CHIG|XP\_018161238.1 CHIG|XP\_018164412.1 CVIN|KAF4911115.1 CVIN|KAF4920028.1 CVIN|KAF4921143.1 CVYL|A01994 CVYL|A11218 CVYL|A12218 FGRM|XP\_011316823.1 FGRM|XP\_011318046.1 FGRM|XP\_011325951.1 MGRA|XP\_003852311.1 MLAR|XP\_007416306.1 MORY|QBZ59493.1 MORY|QBZ63628.1 MORY|QBZ64590.1 NCRA|XP\_957510.3 NCRA|XP\_965335.1 SSCL|APA09249.1

>Orthogroup419: ANID|CBF84460.1 CFRU|XP\_031880243.1 CFRU|XP\_031883417.1 CFRU|XP\_031883679.1 CFRU|XP\_031884624.1 CFRU|XP\_031886353.1 CFRU|XP\_031887848.1 CFRU|XP\_031890994.1 CGLO|KAF3799066.1 CGLO|KAF3801510.1 CGLO|KAF3801748.1 CGLO|KAF3802191.1 CGLO|KAF3806260.1 CGLO|KAF3808958.1 CGLO|KAF3811918.1 CHIG|XP\_018151938.1 CHIG|XP\_018155811.1 CVIN|KAF4895631.1 CVIN|KAF4916389.1 CVIN|KAF4918243.1 CVIN|KAF4920727.1 CVIN|KAF4922754.1 CVIN|KAF4931459.1 CVYL|A01128 CVYL|A03202 CVYL|A11849 CVYL|A12621 FGRM|XP\_011315749.1 MGRA|XP\_003856275.1

>Orthogroup420: ANID|CBF85149.1 BCIN|XP\_024552276.1 CFRU|XP\_031883805.1 CFRU|XP\_031884077.1 CFRU|XP\_031884709.1 CFRU|XP\_031884710.1 CGLO|KAF3801021.1 CGLO|KAF3805170.1 CHIG|XP\_018150593.1 CHIG|XP\_018150627.1 CHIG|XP\_018150644.1 CHIG|XP\_018156649.1 CHIG|XP\_018156650.1 CHIG|XP\_018163345.1 CVIN|KAF4927476.1 CVYL|A00363 CVYL|A05887 CVYL|A06581 MGRA|XP\_003849912.1 MGRA|XP\_003851420.1 MLAR|XP\_007407531.1 MLAR|XP\_007415474.1 MORY|QBZ53453.1 MORY|QBZ53535.1 MORY|QBZ53668.1 NCRA|XP\_011393383.1 NCRA|XP\_011395091.1 NCRA|XP\_956102.2 SSCL|APA13139.1

>Orthogroup421: ANID|CBF88798.1 BCIN|XP\_001547687.1 CFRU|XP\_031881265.1 CFRU|XP\_031886158.1 CFRU|XP\_031887715.1 CFRU|XP\_031888698.1 CFRU|XP\_031893287.1 CGLO|KAF3802556.1 CGLO|KAF3803314.1 CGLO|KAF3804027.1 CGLO|KAF3804301.1 CGLO|KAF3811990.1 CHIG|XP\_018151653.1 CHIG|XP\_018161166.1 CVIN|KAF4898741.1 CVIN|KAF4920114.1 CVIN|KAF4921858.1 CVIN|KAF4922482.1 CVIN|KAF4930431.1 CVYL|A02146 CVYL|A03749 CVYL|A03983 CVYL|A05517 CVYL|A08777 FGRM|XP\_011321364.1 MGRA|XP\_003855655.1 MORY|QBZ64582.1 NCRA|XP\_001728517.2 SSCL|APA13308.1

>Orthogroup422: BCIN|XP\_001546351.1 BCIN|XP\_001555596.1 BCIN|XP\_001560671.2 BCIN|XP\_024551153.1 CFRU|XP\_031875991.1 CFRU|XP\_031879278.1 CFRU|XP\_031883452.1 CFRU|XP\_031885920.1 CGLO|KAF3808604.1 CGLO|KAF3810825.1 CHIG|XP\_018151565.1 CHIG|XP\_018155094.1 CHIG|XP\_018161556.1 CVIN|KAF4904634.1 CVIN|KAF4918296.1 CVIN|KAF4926159.1 CVYL|A02002 CVYL|A05631 CVYL|A12378 FGRM|XP\_011317400.1 FGRM|XP\_011327622.1 MGRA|XP\_003848811.1 MORY|QBZ57577.1 MORY|QBZ58424.1 MORY|QBZ60717.1 MORY|QBZ64958.1 NCRA|XP\_964773.2 SSCL|APA07161.1 SSCL|APA15015.1

>Orthogroup423: BCIN|XP\_001551740.1 BCIN|XP\_024546430.1 CFRU|XP\_031881586.1 CFRU|XP\_031892755.1 CGLO|KAF3797205.1 CGLO|KAF3800077.1 CGLO|KAF3805409.1 CHIG|XP\_018157304.1 CHIG|XP\_018161372.1 CVIN|KAF4891451.1 CVIN|KAF4917748.1 CVIN|KAF4920811.1 CVYL|A06776 CVYL|A10492 CVYL|A11056 FGRM|XP\_011320039.1 FGRM|XP\_011322002.1 MGRA|XP\_003847705.1 MGRA|XP\_003847874.1 MGRA|XP\_003853489.1 MLAR|XP\_007406355.1 MLAR|XP\_007408745.1 MLAR|XP\_007408746.1 MLAR|XP\_007414971.1 MORY|QBZ53635.1 MORY|QBZ65058.1 MORY|QBZ65979.1 NCRA|XP\_964615.1 SSCL|APA12006.1

>Orthogroup424: BCIN|XP\_024548528.1 BCIN|XP\_024550187.1 BCIN|XP\_024552305.1 CFRU|XP\_031878773.1 CFRU|XP\_031878983.1 CFRU|XP\_031886363.1 CGLO|KAF3806401.1 CGLO|KAF3807830.1 CHIG|XP\_018152491.1 CHIG|XP\_018156499.1 CHIG|XP\_018161317.1 CHIG|XP\_018162285.1 CHIG|XP\_018162980.1 CVIN|KAF4894261.1 CVIN|KAF4911607.1 CVIN|KAF4923276.1 CVYL|A00777 CVYL|A01891 CVYL|A11993 FGRM|XP\_011320517.1 MGRA|XP\_003848190.1 MORY|QBZ56232.1 NCRA|XP\_958149.3 NCRA|XP\_960357.2 NCRA|XP\_960519.1 NCRA|XP\_962620.2 SSCL|APA10866.1 SSCL|APA12100.1 SSCL|APA13268.1

>Orthogroup425: BCIN|XP\_001554138.1 BGRA|VCU41289.1 BGRA|VDB87571.1 BGRA|VDB87584.1 BGRA|VDB87588.1 BGRA|VDB87590.1 BGRA|VDB87596.1 BGRA|VDB88027.1 CFRU|XP\_031878829.1 CFRU|XP\_031878879.1 CFRU|XP\_031878979.1 CGLO|KAF3802610.1 CGLO|KAF3802636.1 CGLO|KAF3807887.1 CHIG|XP\_018156634.1 CHIG|XP\_018161288.1 CHIG|XP\_018161304.1 CVIN|KAF4911616.1 CVIN|KAF4921662.1 CVIN|KAF4922602.1 CVYL|A00726 CVYL|A01898 CVYL|A01930 MGRA|XP\_003848621.1 MGRA|XP\_003849150.1 MGRA|XP\_003854832.1 MGRA|XP\_003856155.1 NCRA|XP\_962439.2 SSCL|APA05526.1

>Orthogroup426: BCIN|XP\_001551556.1 BCIN|XP\_024552883.1 BGRA|VDB87616.1 CFRU|XP\_031878127.1 CFRU|XP\_031879406.1 CFRU|XP\_031887921.1 CGLO|KAF3799639.1 CGLO|KAF3801804.1 CGLO|KAF3802141.1 CHIG|XP\_018154295.1 CHIG|XP\_018154648.1 CHIG|XP\_018159302.1 CVIN|KAF4912436.1 CVIN|KAF4916973.1 CVIN|KAF4926478.1 CVYL|A03252 CVYL|A12901 FGRM|XP\_011320060.1 MGRA|XP\_003852726.1 MLAR|XP\_007405616.1 MLAR|XP\_007412690.1 MLAR|XP\_007417952.1 MORY|QBZ61013.1 MORY|QBZ66006.1 MORY|QBZ66499.1 NCRA|XP\_958155.2 NCRA|XP\_964559.1 SSCL|APA11893.1 SSCL|APA16092.1

>Orthogroup427: BGRA|VCU38847.1 BGRA|VCU38955.1 BGRA|VCU39000.1 BGRA|VCU39194.1 BGRA|VCU39333.1 BGRA|VCU39831.1 BGRA|VCU40790.1 BGRA|VCU40868.1 BGRA|VCU40911.1 BGRA|VCU40926.1 BGRA|VCU41031.1 BGRA|VDB83596.1 BGRA|VDB83602.1 BGRA|VDB83855.1 BGRA|VDB84044.1 BGRA|VDB84225.1 BGRA|VDB84442.1 BGRA|VDB85652.1 BGRA|VDB85785.1 BGRA|VDB87790.1 BGRA|VDB88275.1 BGRA|VDB88347.1 BGRA|VDB88349.1 BGRA|VDB89360.1 BGRA|VDB93133.1 BGRA|VDB94516.1 BGRA|VDB94534.1 BGRA|VDB94775.1 BGRA|VDB96359.1

>Orthogroup428: BGRA|VCU38881.1 BGRA|VCU38884.1 BGRA|VCU38896.1 BGRA|VCU38899.1 BGRA|VCU38905.1 BGRA|VCU38911.1 BGRA|VCU39040.1 BGRA|VCU39230.1 BGRA|VCU39232.1 BGRA|VCU39233.1 BGRA|VDB85767.1 BGRA|VDB85772.1 BGRA|VDB87973.1 BGRA|VDB93030.1 BGRA|VDB93096.1 BGRA|VDB93102.1 BGRA|VDB93103.1 BGRA|VDB94462.1 BGRA|VDB94464.1 BGRA|VDB94468.1 BGRA|VDB94469.1 BGRA|VDB94470.1 BGRA|VDB94474.1 BGRA|VDB94491.1 BGRA|VDB94512.1 BGRA|VDB94518.1 BGRA|VDB96412.1 BGRA|VDB96413.1 BGRA|VDB96415.1

>Orthogroup429: BGRA|VCU39504.1 BGRA|VCU39916.1 BGRA|VCU39919.1 BGRA|VCU40032.1 BGRA|VCU40125.1 BGRA|VCU40678.1 BGRA|VCU40685.1 BGRA|VCU40929.1 BGRA|VCU40958.1 BGRA|VCU40961.1 BGRA|VCU41047.1 BGRA|VCU41057.1 BGRA|VCU41171.1 BGRA|VDB83830.1 BGRA|VDB84054.1 BGRA|VDB84069.1 BGRA|VDB84257.1 BGRA|VDB84383.1 BGRA|VDB87666.1 BGRA|VDB89289.1 BGRA|VDB89385.1 BGRA|VDB90695.1 BGRA|VDB90956.1 BGRA|VDB91108.1 BGRA|VDB92672.1 BGRA|VDB93660.1 BGRA|VDB93681.1 BGRA|VDB94812.1 BGRA|VDB95154.1

>Orthogroup430: CFRU|XP\_031877239.1 CFRU|XP\_031878122.1 CFRU|XP\_031879297.1 CFRU|XP\_031880946.1 CFRU|XP\_031885223.1 CFRU|XP\_031891195.1 CGLO|KAF3800330.1 CGLO|KAF3801806.1 CGLO|KAF3804588.1 CGLO|KAF3806848.1 CGLO|KAF3806858.1 CGLO|KAF3808576.1 CHIG|XP\_018156645.1 CHIG|XP\_018159545.1 CHIG|XP\_018162923.1 CVIN|KAF4893132.1 CVIN|KAF4896546.1 CVIN|KAF4905056.1 CVIN|KAF4923058.1 CVIN|KAF4927780.1 CVYL|A02496 CVYL|A02505 CVYL|A05290 CVYL|A06893 CVYL|A11569 CVYL|A12897 FGRM|XP\_011320703.1 FGRM|XP\_011325775.1 MGRA|XP\_003850267.1

>Orthogroup431: MLAR|XP\_007403719.1 MLAR|XP\_007405049.1 MLAR|XP\_007405789.1 MLAR|XP\_007406042.1 MLAR|XP\_007406494.1 MLAR|XP\_007408407.1 MLAR|XP\_007408938.1 MLAR|XP\_007409820.1 MLAR|XP\_007409863.1 MLAR|XP\_007409903.1 MLAR|XP\_007410825.1 MLAR|XP\_007411094.1 MLAR|XP\_007412027.1 MLAR|XP\_007413616.1 MLAR|XP\_007413840.1 MLAR|XP\_007413857.1 MLAR|XP\_007414201.1 MLAR|XP\_007414215.1 MLAR|XP\_007414597.1 MLAR|XP\_007415329.1 MLAR|XP\_007415966.1 MLAR|XP\_007417528.1 MLAR|XP\_007418310.1 MLAR|XP\_007418464.1 MLAR|XP\_007419308.1 MLAR|XP\_007419548.1 MLAR|XP\_007419607.1 MLAR|XP\_007419608.1 MLAR|XP\_007419712.1

>Orthogroup432: MLAR|XP\_007404393.1 MLAR|XP\_007405170.1 MLAR|XP\_007405352.1 MLAR|XP\_007406118.1 MLAR|XP\_007406196.1 MLAR|XP\_007406288.1 MLAR|XP\_007407018.1 MLAR|XP\_007408316.1 MLAR|XP\_007409144.1 MLAR|XP\_007410689.1 MLAR|XP\_007410696.1 MLAR|XP\_007411387.1 MLAR|XP\_007413120.1 MLAR|XP\_007413382.1 MLAR|XP\_007413835.1 MLAR|XP\_007414265.1 MLAR|XP\_007414435.1 MLAR|XP\_007415504.1 MLAR|XP\_007416082.1 MLAR|XP\_007416545.1 MLAR|XP\_007416842.1 MLAR|XP\_007417769.1 MLAR|XP\_007417876.1 MLAR|XP\_007418107.1 MLAR|XP\_007418957.1 MLAR|XP\_007419167.1 MLAR|XP\_007419324.1 MLAR|XP\_007419645.1 MLAR|XP\_007419785.1

>Orthogroup433: MLAR|XP\_007405320.1 MLAR|XP\_007405532.1 MLAR|XP\_007405837.1 MLAR|XP\_007406006.1 MLAR|XP\_007407280.1 MLAR|XP\_007408464.1 MLAR|XP\_007408780.1 MLAR|XP\_007409307.1 MLAR|XP\_007409443.1 MLAR|XP\_007410030.1 MLAR|XP\_007410273.1 MLAR|XP\_007410549.1 MLAR|XP\_007410715.1 MLAR|XP\_007411916.1 MLAR|XP\_007413737.1 MLAR|XP\_007414177.1 MLAR|XP\_007415611.1 MLAR|XP\_007415664.1 MLAR|XP\_007416680.1 MLAR|XP\_007417160.1 MLAR|XP\_007417393.1 MLAR|XP\_007418176.1 MLAR|XP\_007418435.1 MLAR|XP\_007418835.1 MLAR|XP\_007418903.1 MLAR|XP\_007418981.1 MLAR|XP\_007418994.1 MLAR|XP\_007419151.1 MLAR|XP\_007419599.1

>Orthogroup434: ANID|CBF69490.1 ANID|CBF74922.1 ANID|CBF80489.1 BCIN|XP\_001546353.1 BCIN|XP\_024549263.1 CFRU|XP\_031878812.1 CFRU|XP\_031881051.1 CFRU|XP\_031884145.1 CFRU|XP\_031888075.1 CGLO|KAF3800005.1 CGLO|KAF3802028.1 CGLO|KAF3802613.1 CGLO|KAF3809844.1 CHIG|XP\_018153032.1 CHIG|XP\_018154146.1 CVIN|KAF4910499.1 CVIN|KAF4911599.1 CVIN|KAF4926860.1 CVIN|KAF4930700.1 CVYL|A01770 CVYL|A01906 CVYL|A03361 CVYL|A10221 FGRM|XP\_011325873.1 MGRA|XP\_003851362.1 MORY|QBZ59839.1 NCRA|XP\_958769.1 SSCL|APA05400.1

>Orthogroup435: ANID|CBF69930.1 ANID|CBF87504.1 BCIN|XP\_024546910.1 CFRU|XP\_031880983.1 CFRU|XP\_031884212.1 CFRU|XP\_031888191.1 CFRU|XP\_031893328.1 CGLO|KAF3798399.1 CGLO|KAF3800002.1 CGLO|KAF3800453.1 CGLO|KAF3802092.1 CHIG|XP\_018152722.1 CHIG|XP\_018154241.1 CHIG|XP\_018161389.1 CHIG|XP\_018163417.1 CVIN|KAF4902811.1 CVIN|KAF4917966.1 CVIN|KAF4922808.1 CVIN|KAF4926858.1 CVYL|A01838 CVYL|A03298 CVYL|A08214 CVYL|A10219 FGRM|XP\_011315770.1 MGRA|XP\_003850945.1 MORY|QBZ61152.1 MORY|QBZ64912.1 NCRA|XP\_959589.1

>Orthogroup436: ANID|CBF70712.1 ANID|CBF83101.1 ANID|CBF84710.1 BCIN|XP\_001556692.1 BCIN|XP\_024549715.1 BGRA|VDB83944.1 CFRU|XP\_031881319.1 CFRU|XP\_031885020.1 CFRU|XP\_031888501.1 CGLO|KAF3800328.1 CGLO|KAF3802451.1 CGLO|KAF3803541.1 CHIG|XP\_018162925.1 CHIG|XP\_018164082.1 CHIG|XP\_018164083.1 CVIN|KAF4913918.1 CVIN|KAF4922247.1 CVIN|KAF4927787.1 CVYL|A02042 CVYL|A06896 CVYL|A14473 FGRM|XP\_011316161.1 MGRA|XP\_003857591.1 MGRA|XP\_003857608.1 MORY|QBZ56428.1 MORY|QBZ61225.1 SSCL|APA05459.1 SSCL|APA14826.1

>Orthogroup437: ANID|CBF71157.1 ANID|CBF85251.1 BCIN|XP\_001556812.2 BCIN|XP\_024553562.1 CFRU|XP\_031878550.1 CFRU|XP\_031887977.1 CFRU|XP\_031888971.1 CGLO|KAF3797609.1 CGLO|KAF3798496.1 CGLO|KAF3799210.1 CHIG|XP\_018159829.1 CHIG|XP\_018161221.1 CHIG|XP\_018163471.1 CVIN|KAF4909308.1 CVIN|KAF4914250.1 CVIN|KAF4917482.1 CVYL|A03384 CVYL|A10105 CVYL|A11167 FGRM|XP\_011318628.1 FGRM|XP\_011323390.1 FGRM|XP\_011328822.1 MGRA|XP\_003852150.1 MGRA|XP\_003854801.1 MORY|QBZ53395.1 MORY|QBZ55137.1 NCRA|XP\_956354.1 SSCL|APA14590.1

>Orthogroup438: ANID|CBF71735.1 ANID|CBF80146.1 ANID|CBF82423.1 ANID|CBF90105.1 BCIN|XP\_001557620.1 BCIN|XP\_024547966.1 BCIN|XP\_024551162.1 CFRU|XP\_031883004.1 CFRU|XP\_031892748.1 CGLO|KAF3808230.1 CGLO|KAF3809073.1 CHIG|XP\_018155910.1 CHIG|XP\_018156541.1 CHIG|XP\_018163155.1 CVIN|KAF4909563.1 CVIN|KAF4919735.1 CVYL|A00571 CVYL|A01638 FGRM|XP\_011327507.1 MGRA|XP\_003848335.1 MGRA|XP\_003849490.1 MGRA|XP\_003855429.1 MORY|QBZ53582.1 MORY|QBZ57331.1 NCRA|XP\_011395293.1 NCRA|XP\_959252.1 SSCL|APA08378.1 SSCL|APA12304.1

>Orthogroup439: ANID|CBF71745.1 ANID|CBF82367.1 ANID|CBF82391.1 ANID|CBF83637.1 ANID|CBF86914.1 BCIN|XP\_001549083.2 BCIN|XP\_001552524.1 BCIN|XP\_024546566.1 BGRA|VDB94898.1 CFRU|XP\_031878121.1 CFRU|XP\_031888831.1 CGLO|KAF3799353.1 CGLO|KAF3801816.1 CHIG|XP\_018159328.1 CHIG|XP\_018159938.1 CVIN|KAF4910731.1 CVIN|KAF4917004.1 CVYL|A04530 CVYL|A12891 FGRM|XP\_011317569.1 FGRM|XP\_011325458.1 MGRA|XP\_003855624.1 MORY|QBZ61901.1 NCRA|XP\_959563.1 NCRA|XP\_959582.3 SSCL|APA06214.1 SSCL|APA06784.1 SSCL|APA10791.1

>Orthogroup440: ANID|CBF73401.1 ANID|CBF87393.1 CFRU|XP\_031879141.1 CFRU|XP\_031880392.1 CGLO|KAF3807081.1 CGLO|KAF3807262.1 CHIG|XP\_018156942.1 CHIG|XP\_018159735.1 CHIG|XP\_018159749.1 CHIG|XP\_018159750.1 CVIN|KAF4919047.1 CVIN|KAF4928188.1 CVYL|A06375 CVYL|A10744 FGRM|XP\_011320678.1 FGRM|XP\_011320914.1 FGRM|XP\_011328643.1 MGRA|XP\_003848229.1 MGRA|XP\_003850199.1 MGRA|XP\_003852967.1 MGRA|XP\_003856667.1 MORY|QBZ55125.1 MORY|QBZ60200.1 MORY|QBZ64019.1 MORY|QBZ64104.1 MORY|QBZ65202.1 NCRA|XP\_961650.3 NCRA|XP\_963903.3

>Orthogroup441: ANID|CBF73423.1 BCIN|XP\_001552898.2 BCIN|XP\_024552915.1 CFRU|XP\_031882404.1 CGLO|KAF3807525.1 CHIG|XP\_018156412.1 CVIN|KAF4928936.1 CVYL|A02959 FGRM|XP\_011324350.1 MGRA|XP\_003853631.1 MGRA|XP\_003854186.1 MGRA|XP\_003854438.1 MORY|QBZ54782.1 MORY|QBZ54861.1 MORY|QBZ55073.1 MORY|QBZ57876.1 MORY|QBZ60225.1 MORY|QBZ63015.1 MORY|QBZ63321.1 NCRA|XP\_001728240.1 NCRA|XP\_958257.1 NCRA|XP\_959767.2 NCRA|XP\_960260.2 NCRA|XP\_961674.3 NCRA|XP\_962587.3 NCRA|XP\_963349.2 SSCL|APA06159.1 SSCL|APA07530.1

>Orthogroup442: ANID|CBF73433.1 ANID|CBF88174.1 BCIN|XP\_001548465.2 BCIN|XP\_024547848.1 BCIN|XP\_024551012.1 BGRA|VCU40920.1 CFRU|XP\_031881040.1 CFRU|XP\_031883874.1 CFRU|XP\_031889414.1 CGLO|KAF3808721.1 CHIG|XP\_018154167.1 CHIG|XP\_018155549.1 CHIG|XP\_018158868.1 CHIG|XP\_018161484.1 CHIG|XP\_018163420.1 CVIN|KAF4927398.1 CVIN|KAF4929568.1 CVIN|KAF4930710.1 CVYL|A00939 CVYL|A01750 CVYL|A06458 FGRM|XP\_011319156.1 MGRA|XP\_003849080.1 MLAR|XP\_007412504.1 MORY|QBZ63094.1 NCRA|XP\_958376.2 SSCL|APA11923.1 SSCL|APA13813.1

>Orthogroup443: ANID|CBF73940.1 ANID|CBF84836.1 BCIN|XP\_001549595.1 BCIN|XP\_001557811.1 BCIN|XP\_024546392.1 BGRA|VDB87924.1 CFRU|XP\_031886042.1 CFRU|XP\_031890876.1 CGLO|KAF3801469.1 CGLO|KAF3806591.1 CHIG|XP\_018151899.1 CHIG|XP\_018157631.1 CVIN|KAF4903845.1 CVIN|KAF4920496.1 CVYL|A09277 CVYL|A12655 FGRM|XP\_011320577.1 FGRM|XP\_011325498.1 FGRM|XP\_011327754.1 MGRA|XP\_003854045.1 MGRA|XP\_003855514.1 MLAR|XP\_007404188.1 MLAR|XP\_007414142.1 MORY|QBZ61165.1 NCRA|XP\_958355.1 SSCL|APA05311.1 SSCL|APA07209.1 SSCL|APA12138.1

>Orthogroup444: ANID|CBF74138.1 ANID|CBF76607.1 ANID|CBF89735.1 BCIN|XP\_001554426.1 BCIN|XP\_024552363.1 BGRA|VCU39176.1 BGRA|VDB93920.1 CFRU|XP\_031881775.1 CFRU|XP\_031886710.1 CGLO|KAF3800644.1 CGLO|KAF3804046.1 CHIG|XP\_018152037.1 CHIG|XP\_018162720.1 CVIN|KAF4922011.1 CVIN|KAF4927636.1 CVYL|A07003 CVYL|A13072 FGRM|XP\_011317228.1 FGRM|XP\_011320444.1 MGRA|XP\_003852209.1 MLAR|XP\_007412017.1 MLAR|XP\_007414769.1 MORY|QBZ57310.1 MORY|QBZ59310.1 NCRA|XP\_956886.1 NCRA|XP\_964241.3 SSCL|APA12617.1 SSCL|APA13232.1

>Orthogroup445: ANID|CBF74142.1 ANID|CBF80266.1 ANID|CBF83058.1 ANID|CBF86720.1 BCIN|XP\_024547678.1 CFRU|XP\_031878020.1 CFRU|XP\_031881196.1 CFRU|XP\_031881200.1 CFRU|XP\_031881277.1 CFRU|XP\_031892549.1 CFRU|XP\_031892627.1 CGLO|KAF3802455.1 CGLO|KAF3809121.1 CHIG|XP\_018154755.1 CVIN|KAF4916884.1 CVIN|KAF4922088.1 CVYL|A01305 CVYL|A02046 CVYL|A04005 FGRM|XP\_011319501.1 FGRM|XP\_011325299.1 FGRM|XP\_011327547.1 MGRA|XP\_003852738.1 MGRA|XP\_003855494.1 MORY|QBZ55306.1 NCRA|XP\_011393052.1 NCRA|XP\_958464.3 NCRA|XP\_962972.1

>Orthogroup446: ANID|CBF74206.1 ANID|CBF76034.1 ANID|CBF87169.1 BCIN|XP\_024549606.1 CFRU|XP\_031878266.1 CFRU|XP\_031878784.1 CFRU|XP\_031884289.1 CGLO|KAF3798029.1 CGLO|KAF3799970.1 CHIG|XP\_018153079.1 CHIG|XP\_018156565.1 CHIG|XP\_018158086.1 CVIN|KAF4911598.1 CVIN|KAF4915609.1 CVIN|KAF4926930.1 CVYL|A01908 CVYL|A08328 CVYL|A10187 FGRM|XP\_011317993.1 FGRM|XP\_011323852.1 FGRM|XP\_011328584.1 MGRA|XP\_003851381.1 MGRA|XP\_003855003.1 MORY|QBZ57370.1 MORY|QBZ62715.1 MORY|QBZ64354.1 MORY|QBZ65564.1 NCRA|XP\_958581.1

>Orthogroup447: ANID|CBF74875.1 BCIN|XP\_001550695.1 BGRA|VDB93306.1 CFRU|XP\_031882222.1 CFRU|XP\_031883711.1 CFRU|XP\_031890424.1 CGLO|KAF3804351.1 CGLO|KAF3805273.1 CGLO|KAF3810864.1 CHIG|XP\_018154961.1 CHIG|XP\_018158799.1 CVIN|KAF4897553.1 CVIN|KAF4901287.1 CVIN|KAF4918358.1 CVYL|A02282 CVYL|A04043 CVYL|A13924 FGRM|XP\_011316666.1 FGRM|XP\_011320673.1 FGRM|XP\_011322656.1 MGRA|XP\_003849776.1 MGRA|XP\_003855930.1 MLAR|XP\_007412073.1 MORY|QBZ56153.1 MORY|QBZ60400.1 MORY|QBZ65348.1 NCRA|XP\_964967.3 SSCL|APA09312.1

>Orthogroup448: ANID|CBF75372.1 ANID|CBF89542.1 BCIN|XP\_024549171.1 BCIN|XP\_024551387.1 BGRA|VCU41132.1 BGRA|VDB92531.1 CFRU|XP\_031878429.1 CFRU|XP\_031889997.1 CGLO|KAF3802647.1 CGLO|KAF3802914.1 CHIG|XP\_018158517.1 CHIG|XP\_018162514.1 CVIN|KAF4925567.1 CVIN|KAF4932007.1 CVYL|A05101 CVYL|A07148 FGRM|XP\_011316575.1 FGRM|XP\_011326968.1 MGRA|XP\_003857455.1 MGRA|XP\_003857563.1 MLAR|XP\_007406566.1 MLAR|XP\_007415752.1 MORY|QBZ55675.1 MORY|QBZ63220.1 NCRA|XP\_011393180.1 NCRA|XP\_956154.2 SSCL|APA08768.1 SSCL|APA10616.1

>Orthogroup449: ANID|CBF75440.1 ANID|CBF82340.1 ANID|CBF82810.1 BCIN|XP\_001555678.1 BGRA|VDB92571.1 CFRU|XP\_031881370.1 CFRU|XP\_031884846.1 CFRU|XP\_031892915.1 CGLO|KAF3805823.1 CGLO|KAF3809552.1 CGLO|KAF3812159.1 CHIG|XP\_018152626.1 CHIG|XP\_018153410.1 CHIG|XP\_018163709.1 CVIN|KAF4918547.1 CVIN|KAF4918747.1 CVIN|KAF4920897.1 CVYL|A00232 CVYL|A05999 CVYL|A08470 FGRM|XP\_011322857.1 MLAR|XP\_007406532.1 MLAR|XP\_007411844.1 MLAR|XP\_007412521.1 MORY|QBZ54118.1 MORY|QBZ54822.1 MORY|QBZ61587.1 SSCL|APA10104.1

>Orthogroup450: ANID|CBF77158.1 ANID|CBF85192.1 ANID|CBF87418.1 BCIN|XP\_001547304.1 BCIN|XP\_001549390.2 BCIN|XP\_001559720.1 CFRU|XP\_031879368.1 CFRU|XP\_031884734.1 CFRU|XP\_031890293.1 CGLO|KAF3802920.1 CGLO|KAF3808595.1 CGLO|KAF3812137.1 CHIG|XP\_018153790.1 CHIG|XP\_018158522.1 CHIG|XP\_018161833.1 CVIN|KAF4910008.1 CVIN|KAF4925564.1 CVIN|KAF4926202.1 CVYL|A00261 CVYL|A05095 CVYL|A11548 FGRM|XP\_011320939.1 FGRM|XP\_011321745.1 FGRM|XP\_011328373.1 MGRA|XP\_003856985.1 MORY|QBZ63211.1 NCRA|XP\_959079.1 SSCL|APA09460.1

>Orthogroup451: ANID|CBF77250.1 ANID|CBF81263.1 BCIN|XP\_024548302.1 BCIN|XP\_024549210.1 BGRA|VCU40721.1 CFRU|XP\_031880459.1 CFRU|XP\_031882396.1 CGLO|KAF3807270.1 CGLO|KAF3807606.1 CHIG|XP\_018156329.1 CHIG|XP\_018156944.1 CVIN|KAF4928133.1 CVIN|KAF4928942.1 CVYL|A02876 CVYL|A10753 FGRM|XP\_011318996.1 FGRM|XP\_011320000.1 MGRA|XP\_003847554.1 MGRA|XP\_003848161.1 MLAR|XP\_007403756.1 MLAR|XP\_007405398.1 MLAR|XP\_007413259.1 MORY|QBZ56924.1 MORY|QBZ65912.1 NCRA|XP\_011392815.1 NCRA|XP\_011394897.1 SSCL|APA12550.1 SSCL|APA15741.1

>Orthogroup452: ANID|CBF78782.1 ANID|CBF85258.1 ANID|CBF87082.1 BCIN|XP\_024549578.1 BGRA|VDB92479.1 CFRU|XP\_031878480.1 CFRU|XP\_031883035.1 CFRU|XP\_031883903.1 CGLO|KAF3799792.1 CGLO|KAF3805087.1 CGLO|KAF3808179.1 CHIG|XP\_018153883.1 CHIG|XP\_018163231.1 CHIG|XP\_018163426.1 CVIN|KAF4912460.1 CVIN|KAF4924298.1 CVIN|KAF4927446.1 CVYL|A00534 CVYL|A04801 CVYL|A06471 FGRM|XP\_011318016.1 FGRM|XP\_011318026.1 FGRM|XP\_011327639.1 MORY|QBZ65565.1 NCRA|XP\_001728196.2 NCRA|XP\_958547.1 NCRA|XP\_959390.1 SSCL|APA13966.1

>Orthogroup453: ANID|CBF79483.1 BCIN|XP\_001551204.1 BCIN|XP\_024552393.1 BCIN|XP\_024553568.1 BGRA|VCU38790.1 CFRU|XP\_031878638.1 CFRU|XP\_031883052.1 CFRU|XP\_031884559.1 CGLO|KAF3798511.1 CGLO|KAF3800727.1 CGLO|KAF3810356.1 CHIG|XP\_018161189.1 CHIG|XP\_018163278.1 CVIN|KAF4897445.1 CVIN|KAF4917495.1 CVIN|KAF4919614.1 CVYL|A00477 CVYL|A03814 CVYL|A05754 FGRM|XP\_011320073.1 FGRM|XP\_011328773.1 MGRA|XP\_003853639.1 MLAR|XP\_007417675.1 MORY|QBZ56519.1 MORY|QBZ61516.1 NCRA|XP\_011394184.1 SSCL|APA13229.1 SSCL|APA13310.1

>Orthogroup454: ANID|CBF79566.1 BCIN|XP\_024548564.1 CFRU|XP\_031881420.1 CFRU|XP\_031881454.1 CFRU|XP\_031885111.1 CFRU|XP\_031887979.1 CGLO|KAF3800946.1 CGLO|KAF3802201.1 CGLO|KAF3805726.1 CGLO|KAF3807754.1 CHIG|XP\_018153211.1 CHIG|XP\_018156543.1 CHIG|XP\_018163022.1 CVIN|KAF4912788.1 CVIN|KAF4920517.1 CVIN|KAF4926584.1 CVYL|A00844 CVYL|A05959 CVYL|A09817 FGRM|XP\_011320694.1 FGRM|XP\_011321755.1 MGRA|XP\_003848485.1 MGRA|XP\_003851106.1 MGRA|XP\_003851922.1 MORY|QBZ66372.1 NCRA|XP\_956089.2 NCRA|XP\_959388.1 SSCL|APA10041.1

>Orthogroup455: ANID|CBF80626.1 CFRU|XP\_031878145.1 CFRU|XP\_031878711.1 CFRU|XP\_031880124.1 CFRU|XP\_031884561.1 CFRU|XP\_031887970.1 CFRU|XP\_031889459.1 CFRU|XP\_031890816.1 CFRU|XP\_031892172.1 CGLO|KAF3797612.1 CGLO|KAF3799701.1 CGLO|KAF3801320.1 CGLO|KAF3801844.1 CGLO|KAF3808881.1 CHIG|XP\_018158309.1 CVIN|KAF4914252.1 CVIN|KAF4914527.1 CVIN|KAF4919984.1 CVIN|KAF4923578.1 CVYL|A01201 CVYL|A03381 CVYL|A05862 CVYL|A08974 CVYL|A12863 FGRM|XP\_011321961.1 MGRA|XP\_003851327.1 MGRA|XP\_003855536.1 MORY|QBZ58847.1

>Orthogroup456: ANID|CBF81283.1 BCIN|XP\_001547711.2 BCIN|XP\_001548969.1 CFRU|XP\_031879900.1 CFRU|XP\_031881772.1 CFRU|XP\_031885876.1 CFRU|XP\_031891839.1 CGLO|KAF3798964.1 CGLO|KAF3801156.1 CGLO|KAF3809985.1 CHIG|XP\_018151879.1 CHIG|XP\_018152849.1 CHIG|XP\_018164874.1 CVIN|KAF4905019.1 CVIN|KAF4911049.1 CVIN|KAF4921975.1 CVIN|KAF4923487.1 CVYL|A02585 CVYL|A05690 CVYL|A06619 CVYL|A07881 FGRM|XP\_011322232.1 FGRM|XP\_011323536.1 MGRA|XP\_003850748.1 MORY|QBZ53347.1 NCRA|XP\_959640.1 SSCL|APA07031.1 SSCL|APA13291.1

>Orthogroup457: ANID|CBF81374.1 ANID|CBF89657.1 BCIN|XP\_001556507.1 BCIN|XP\_024546549.1 BGRA|VDB95042.1 CFRU|XP\_031880879.1 CFRU|XP\_031888549.1 CGLO|KAF3803553.1 CGLO|KAF3806892.1 CHIG|XP\_018159573.1 CHIG|XP\_018164138.1 CVIN|KAF4904504.1 CVIN|KAF4922280.1 CVYL|A02535 CVYL|A14486 FGRM|XP\_011316151.1 FGRM|XP\_011320451.1 MGRA|XP\_003850594.1 MGRA|XP\_003854950.1 MLAR|XP\_007408195.1 MLAR|XP\_007411260.1 MLAR|XP\_007411398.1 MORY|QBZ61868.1 MORY|QBZ63821.1 NCRA|XP\_960510.1 NCRA|XP\_963757.2 SSCL|APA06513.1 SSCL|APA06676.1

>Orthogroup458: ANID|CBF82107.1 BCIN|XP\_024547086.1 CFRU|XP\_031885061.1 CFRU|XP\_031885150.1 CFRU|XP\_031885163.1 CFRU|XP\_031885273.1 CGLO|KAF3800305.1 CHIG|XP\_018162794.1 CVIN|KAF4927621.1 CVIN|KAF4927622.1 CVIN|KAF4927623.1 CVIN|KAF4927624.1 CVYL|A06922 CVYL|A06923 CVYL|A06924 CVYL|A06925 FGRM|XP\_011320892.1 FGRM|XP\_011321604.1 FGRM|XP\_011321605.1 FGRM|XP\_011321606.1 NCRA|XP\_958106.3 NCRA|XP\_958110.1 NCRA|XP\_958111.1 NCRA|XP\_958112.1 NCRA|XP\_958231.1 NCRA|XP\_958232.2 NCRA|XP\_959117.1 SSCL|APA05238.1

>Orthogroup459: ANID|CBF83079.1 ANID|CBF87832.1 BCIN|XP\_001547173.1 BCIN|XP\_001551018.1 BCIN|XP\_001557527.1 CFRU|XP\_031880120.1 CFRU|XP\_031881201.1 CFRU|XP\_031883895.1 CFRU|XP\_031889350.1 CGLO|KAF3808806.1 CGLO|KAF3810970.1 CHIG|XP\_018152339.1 CHIG|XP\_018155709.1 CVIN|KAF4907652.1 CVIN|KAF4908016.1 CVIN|KAF4921839.1 CVYL|A00858 CVYL|A02180 FGRM|XP\_011318950.1 FGRM|XP\_011319258.1 MGRA|XP\_003847998.1 MORY|QBZ53753.1 MORY|QBZ58070.1 NCRA|XP\_960810.1 SSCL|APA08914.1 SSCL|APA08915.1 SSCL|APA12366.1 SSCL|APA14296.1

>Orthogroup460: ANID|CBF83091.1 BCIN|XP\_024546271.1 BCIN|XP\_024549781.1 BCIN|XP\_024550674.1 CFRU|XP\_031879247.1 CFRU|XP\_031880476.1 CFRU|XP\_031881678.1 CGLO|KAF3807100.1 CGLO|KAF3807423.1 CGLO|KAF3811565.1 CHIG|XP\_018163322.1 CVIN|KAF4906638.1 CVIN|KAF4919040.1 CVIN|KAF4926789.1 CVYL|A04777 CVYL|A10925 FGRM|XP\_011317656.1 MGRA|XP\_003849057.1 MGRA|XP\_003849180.1 MGRA|XP\_003850578.1 MLAR|XP\_007413403.1 MLAR|XP\_007413472.1 MLAR|XP\_007417481.1 MORY|QBZ65522.1 NCRA|XP\_960040.1 SSCL|APA05730.1 SSCL|APA09444.1 SSCL|APA16004.1

>Orthogroup461: ANID|CBF86075.1 BCIN|XP\_001552123.1 BCIN|XP\_001556588.1 CFRU|XP\_031890538.1 CFRU|XP\_031891034.1 CFRU|XP\_031892985.1 CGLO|KAF3801598.1 CGLO|KAF3804896.1 CGLO|KAF3808012.1 CHIG|XP\_018151350.1 CHIG|XP\_018152368.1 CHIG|XP\_018164365.1 CVIN|KAF4909777.1 CVIN|KAF4922725.1 CVYL|A12163 CVYL|A12537 FGRM|XP\_011317740.1 MGRA|XP\_003853858.1 MLAR|XP\_007413755.1 MLAR|XP\_007413756.1 MLAR|XP\_007413757.1 MLAR|XP\_007415395.1 MORY|QBZ54210.1 MORY|QBZ56523.1 NCRA|XP\_958218.3 NCRA|XP\_961276.2 SSCL|APA05277.1 SSCL|APA06261.1

>Orthogroup462: ANID|CBF86432.1 BCIN|XP\_024549285.1 BCIN|XP\_024549379.1 BGRA|VCU38889.1 CFRU|XP\_031875598.1 CFRU|XP\_031878781.1 CFRU|XP\_031881498.1 CFRU|XP\_031890045.1 CGLO|KAF3798253.1 CGLO|KAF3802587.1 CGLO|KAF3804757.1 CGLO|KAF3805786.1 CHIG|XP\_018157649.1 CHIG|XP\_018163686.1 CVIN|KAF4916890.1 CVIN|KAF4917614.1 CVIN|KAF4926178.1 CVIN|KAF4926570.1 CVYL|A01875 CVYL|A06034 CVYL|A09236 CVYL|A12321 FGRM|XP\_011322722.1 MLAR|XP\_007403558.1 MLAR|XP\_007406664.1 MORY|QBZ56271.1 NCRA|XP\_962627.1 SSCL|APA08956.1

>Orthogroup463: ANID|CBF86464.1 BCIN|XP\_001559555.2 BCIN|XP\_001560503.1 BCIN|XP\_024550008.1 BCIN|XP\_024552035.1 BGRA|VDB96339.1 CFRU|XP\_031879354.1 CFRU|XP\_031886312.1 CFRU|XP\_031888828.1 CGLO|KAF3799355.1 CGLO|KAF3806201.1 CGLO|KAF3808558.1 CHIG|XP\_018161924.1 CHIG|XP\_018162190.1 CVIN|KAF4906496.1 CVIN|KAF4910726.1 CVIN|KAF4931518.1 CVYL|A11588 CVYL|A11787 FGRM|XP\_011321470.1 FGRM|XP\_011325700.1 MGRA|XP\_003852687.1 MORY|QBZ55513.1 MORY|QBZ65230.1 NCRA|XP\_011394352.1 SSCL|APA05340.1 SSCL|APA07748.1 SSCL|APA12799.1

>Orthogroup464: ANID|CBF86652.1 ANID|CBF87526.1 BCIN|XP\_024551320.1 CFRU|XP\_031879217.1 CFRU|XP\_031879717.1 CFRU|XP\_031893503.1 CGLO|KAF3807018.1 CHIG|XP\_018152780.1 CHIG|XP\_018159684.1 CVIN|KAF4920262.1 CVIN|KAF4920645.1 CVIN|KAF4930166.1 CVYL|A04870 CVYL|A06310 CVYL|A08154 MGRA|XP\_003848899.1 MGRA|XP\_003853740.1 MLAR|XP\_007404780.1 MLAR|XP\_007410456.1 MLAR|XP\_007411853.1 MLAR|XP\_007411922.1 MLAR|XP\_007412283.1 MLAR|XP\_007415625.1 MLAR|XP\_007416193.1 MLAR|XP\_007416194.1 MORY|QBZ61670.1 NCRA|XP\_960021.3 SSCL|APA10552.1

>Orthogroup465: ANID|CBF87061.1 BCIN|XP\_001552507.1 BCIN|XP\_024550942.1 CFRU|XP\_031876815.1 CFRU|XP\_031878701.1 CFRU|XP\_031881438.1 CGLO|KAF3797577.1 CGLO|KAF3797978.1 CGLO|KAF3800919.1 CHIG|XP\_018153191.1 CVIN|KAF4914947.1 CVIN|KAF4914948.1 CVIN|KAF4920880.1 CVIN|KAF4923586.1 CVYL|A05984 CVYL|A08375 CVYL|A08376 CVYL|A08967 FGRM|XP\_011326063.1 MGRA|XP\_003849037.1 MGRA|XP\_003853287.1 MLAR|XP\_007407432.1 MLAR|XP\_007407650.1 MLAR|XP\_007410875.1 MORY|QBZ58359.1 MORY|QBZ62022.1 NCRA|XP\_959465.2 SSCL|APA10771.1

>Orthogroup466: BCIN|XP\_001548428.2 BCIN|XP\_001551871.1 BCIN|XP\_001552940.1 BGRA|VDB88882.1 BGRA|VDB91038.1 CFRU|XP\_031876894.1 CFRU|XP\_031877858.1 CFRU|XP\_031884876.1 CGLO|KAF3799837.1 CGLO|KAF3806616.1 CGLO|KAF3812134.1 CHIG|XP\_018150729.1 CHIG|XP\_018152659.1 CHIG|XP\_018156614.1 CHIG|XP\_018156662.1 CHIG|XP\_018161326.1 CHIG|XP\_018164240.1 CVIN|KAF4909999.1 CVIN|KAF4918895.1 CVYL|A00264 CVYL|A09677 CVYL|A12326 MORY|QBZ55410.1 MORY|QBZ61992.1 NCRA|XP\_958517.2 SSCL|APA05427.1 SSCL|APA09286.1 SSCL|APA15224.1

>Orthogroup467: BCIN|XP\_001552971.1 CFRU|XP\_031875916.1 CFRU|XP\_031879042.1 CFRU|XP\_031880088.1 CFRU|XP\_031889939.1 CGLO|KAF3797740.1 CGLO|KAF3798808.1 CGLO|KAF3802842.1 CGLO|KAF3807815.1 CHIG|XP\_018151200.1 CHIG|XP\_018158443.1 CHIG|XP\_018162981.1 CVIN|KAF4910481.1 CVIN|KAF4917538.1 CVIN|KAF4919590.1 CVIN|KAF4921528.1 CVYL|A00782 CVYL|A05170 CVYL|A09122 CVYL|A11413 FGRM|XP\_011322023.1 FGRM|XP\_011326002.1 MGRA|XP\_003851980.1 MORY|QBZ61917.1 MORY|QBZ64160.1 MORY|QBZ65192.1 NCRA|XP\_959049.1 SSCL|APA14000.1

>Orthogroup468: BCIN|XP\_001548252.1 BCIN|XP\_001548254.1 BCIN|XP\_001551086.1 BCIN|XP\_024548661.1 BCIN|XP\_024548664.1 CFRU|XP\_031886142.1 CFRU|XP\_031888796.1 CGLO|KAF3798627.1 CGLO|KAF3799380.1 CGLO|KAF3811972.1 CHIG|XP\_018151781.1 CHIG|XP\_018151846.1 CHIG|XP\_018151848.1 CHIG|XP\_018153994.1 CHIG|XP\_018153999.1 CHIG|XP\_018156506.1 CHIG|XP\_018156880.1 CHIG|XP\_018156882.1 CHIG|XP\_018159951.1 CHIG|XP\_018164213.1 CVIN|KAF4906801.1 CVIN|KAF4912455.1 CVYL|A00605 CVYL|A04774 CVYL|A04820 MGRA|XP\_003851926.1 MORY|QBZ65459.1 SSCL|APA15022.1

>Orthogroup469: BCIN|XP\_001560456.1 CFRU|XP\_031887293.1 CFRU|XP\_031889557.1 CFRU|XP\_031891740.1 CGLO|KAF3800160.1 CGLO|KAF3809321.1 CGLO|KAF3810460.1 CHIG|XP\_018156159.1 CHIG|XP\_018159169.1 CHIG|XP\_018165096.1 CVIN|KAF4924176.1 CVIN|KAF4924609.1 CVIN|KAF4925831.1 CVYL|A01521 CVYL|A06857 CVYL|A14034 FGRM|XP\_011315577.1 FGRM|XP\_011327288.1 MGRA|XP\_003854036.1 MLAR|XP\_007408693.1 MLAR|XP\_007408696.1 MLAR|XP\_007413658.1 MLAR|XP\_007418362.1 MORY|QBZ59204.1 MORY|QBZ60639.1 MORY|QBZ61859.1 NCRA|XP\_958001.1 SSCL|APA15708.1

>Orthogroup470: BCIN|XP\_024552154.1 BGRA|VCU39488.1 CFRU|XP\_031880956.1 CFRU|XP\_031881090.1 CFRU|XP\_031881091.1 CFRU|XP\_031881093.1 CFRU|XP\_031881116.1 CFRU|XP\_031881118.1 CFRU|XP\_031881119.1 CFRU|XP\_031881120.1 CGLO|KAF3809831.1 CGLO|KAF3809832.1 CGLO|KAF3809833.1 CGLO|KAF3809834.1 CGLO|KAF3809835.1 CGLO|KAF3809836.1 CGLO|KAF3809837.1 CHIG|XP\_018161430.1 CVIN|KAF4930609.1 CVIN|KAF4930610.1 CVIN|KAF4930612.1 CVIN|KAF4930695.1 CVYL|A01777 CVYL|A01778 CVYL|A01779 CVYL|A01780 CVYL|A01781 SSCL|APA13155.1

>Orthogroup471: BCIN|XP\_001547897.1 BGRA|VCU41314.1 BGRA|VCU41319.1 BGRA|VCU41321.1 BGRA|VCU41327.1 BGRA|VCU41340.1 BGRA|VCU41347.1 BGRA|VCU41348.1 BGRA|VCU41350.1 BGRA|VCU41363.1 BGRA|VCU41395.1 BGRA|VDB89442.1 CFRU|XP\_031876572.1 CFRU|XP\_031887373.1 CGLO|KAF3800896.1 CGLO|KAF3809337.1 CHIG|XP\_018150785.1 CHIG|XP\_018156171.1 CVIN|KAF4911867.1 CVIN|KAF4924164.1 CVYL|A01540 CVYL|A11139 FGRM|XP\_011315585.1 FGRM|XP\_011320808.1 MLAR|XP\_007412299.1 MORY|QBZ53584.1 MORY|QBZ64504.1 SSCL|APA16153.1

>Orthogroup472: BGRA|VCU39256.1 BGRA|VCU39397.1 BGRA|VCU39605.1 BGRA|VCU40309.1 BGRA|VCU40409.1 BGRA|VCU40471.1 BGRA|VCU40587.1 BGRA|VCU40773.1 BGRA|VCU40994.1 BGRA|VCU41104.1 BGRA|VCU41108.1 BGRA|VDB85784.1 BGRA|VDB85786.1 BGRA|VDB87782.1 BGRA|VDB88737.1 BGRA|VDB88749.1 BGRA|VDB89174.1 BGRA|VDB89392.1 BGRA|VDB89710.1 BGRA|VDB90390.1 BGRA|VDB90719.1 BGRA|VDB92801.1 BGRA|VDB93114.1 BGRA|VDB93570.1 BGRA|VDB93585.1 BGRA|VDB94683.1 BGRA|VDB94686.1 BGRA|VDB94936.1

>Orthogroup473: BGRA|VCU40691.1 BGRA|VCU40937.1 BGRA|VDB84008.1 BGRA|VDB84402.1 BGRA|VDB84403.1 BGRA|VDB84405.1 BGRA|VDB84406.1 BGRA|VDB84408.1 BGRA|VDB84424.1 BGRA|VDB87930.1 BGRA|VDB94620.1 BGRA|VDB94621.1 BGRA|VDB94622.1 BGRA|VDB94623.1 BGRA|VDB94625.1 BGRA|VDB94630.1 BGRA|VDB94631.1 BGRA|VDB94632.1 BGRA|VDB94638.1 BGRA|VDB94650.1 BGRA|VDB94652.1 BGRA|VDB94654.1 BGRA|VDB94671.1 BGRA|VDB94672.1 BGRA|VDB94673.1 BGRA|VDB94674.1 BGRA|VDB94675.1 BGRA|VDB94684.1

>Orthogroup474: CFRU|XP\_031876871.1 CFRU|XP\_031876900.1 CFRU|XP\_031878099.1 CFRU|XP\_031883070.1 CFRU|XP\_031883194.1 CFRU|XP\_031887812.1 CFRU|XP\_031887817.1 CFRU|XP\_031891151.1 CFRU|XP\_031891418.1 CGLO|KAF3799822.1 CGLO|KAF3800701.1 CGLO|KAF3801820.1 CGLO|KAF3802049.1 CGLO|KAF3804752.1 CGLO|KAF3804753.1 CGLO|KAF3804754.1 CGLO|KAF3808262.1 CHIG|XP\_018152944.1 CHIG|XP\_018153840.1 CHIG|XP\_018158787.1 CVIN|KAF4900995.1 CVIN|KAF4901929.1 CVIN|KAF4907992.1 CVYL|A00598 CVYL|A03339 CVYL|A09989 CVYL|A11877 CVYL|A13019

>Orthogroup475: CFRU|XP\_031880048.1 CFRU|XP\_031881275.1 CFRU|XP\_031887999.1 CFRU|XP\_031891254.1 CGLO|KAF3802075.1 CGLO|KAF3802539.1 CGLO|KAF3804656.1 CGLO|KAF3811833.1 CHIG|XP\_018153808.1 CHIG|XP\_018154213.1 CHIG|XP\_018156995.1 CHIG|XP\_018158030.1 CHIG|XP\_018159563.1 CHIG|XP\_018161868.1 CVIN|KAF4913907.1 CVIN|KAF4917982.1 CVIN|KAF4921853.1 CVIN|KAF4924909.1 CVYL|A02133 CVYL|A03311 CVYL|A05229 CVYL|A12835 FGRM|XP\_011318289.1 FGRM|XP\_011328661.1 MORY|QBZ53484.1 MORY|QBZ53689.1 MORY|QBZ61958.1 SSCL|APA11648.1

>Orthogroup476: MLAR|XP\_007404376.1 MLAR|XP\_007404707.1 MLAR|XP\_007405254.1 MLAR|XP\_007406073.1 MLAR|XP\_007406077.1 MLAR|XP\_007406098.1 MLAR|XP\_007407371.1 MLAR|XP\_007407420.1 MLAR|XP\_007407983.1 MLAR|XP\_007411298.1 MLAR|XP\_007412664.1 MLAR|XP\_007413815.1 MLAR|XP\_007414396.1 MLAR|XP\_007415003.1 MLAR|XP\_007415197.1 MLAR|XP\_007415198.1 MLAR|XP\_007415631.1 MLAR|XP\_007415697.1 MLAR|XP\_007415838.1 MLAR|XP\_007415915.1 MLAR|XP\_007416141.1 MLAR|XP\_007416149.1 MLAR|XP\_007416645.1 MLAR|XP\_007416646.1 MLAR|XP\_007416807.1 MLAR|XP\_007418071.1 MLAR|XP\_007418111.1 MLAR|XP\_007418721.1

>Orthogroup477: MLAR|XP\_007404394.1 MLAR|XP\_007404953.1 MLAR|XP\_007405075.1 MLAR|XP\_007405171.1 MLAR|XP\_007405286.1 MLAR|XP\_007406119.1 MLAR|XP\_007406289.1 MLAR|XP\_007406552.1 MLAR|XP\_007407019.1 MLAR|XP\_007407022.1 MLAR|XP\_007409145.1 MLAR|XP\_007410697.1 MLAR|XP\_007410734.1 MLAR|XP\_007411388.1 MLAR|XP\_007413121.1 MLAR|XP\_007413385.1 MLAR|XP\_007413836.1 MLAR|XP\_007415419.1 MLAR|XP\_007416039.1 MLAR|XP\_007416546.1 MLAR|XP\_007416841.1 MLAR|XP\_007417768.1 MLAR|XP\_007417877.1 MLAR|XP\_007418958.1 MLAR|XP\_007419168.1 MLAR|XP\_007419326.1 MLAR|XP\_007419415.1 MLAR|XP\_007419657.1

>Orthogroup478: ANID|CBF69403.1 ANID|CBF80614.1 ANID|CBF80695.1 ANID|CBF80725.1 ANID|CBF82911.1 BCIN|XP\_024548111.1 BCIN|XP\_024548127.1 BCIN|XP\_024548133.1 CFRU|XP\_031881811.1 CFRU|XP\_031888859.1 CGLO|KAF3797850.1 CHIG|XP\_018150867.1 CHIG|XP\_018157356.1 CVIN|KAF4908873.1 CVIN|KAF4909074.1 CVIN|KAF4924396.1 CVYL|A03937 CVYL|A11526 FGRM|XP\_011319638.1 FGRM|XP\_011320870.1 FGRM|XP\_011320871.1 FGRM|XP\_011323285.1 FGRM|XP\_011325789.1 FGRM|XP\_011328862.1 FGRM|XP\_011328866.1 MGRA|XP\_003849900.1 SSCL|APA06563.1

>Orthogroup479: ANID|CBF69502.1 BCIN|XP\_001553494.1 BGRA|VCU38824.1 BGRA|VDB96396.1 CFRU|XP\_031875792.1 CFRU|XP\_031881327.1 CFRU|XP\_031893487.1 CGLO|KAF3797582.1 CGLO|KAF3802504.1 CGLO|KAF3808051.1 CHIG|XP\_018152752.1 CHIG|XP\_018154105.1 CHIG|XP\_018154809.1 CVIN|KAF4912162.1 CVIN|KAF4919004.1 CVIN|KAF4922821.1 CVYL|A02096 CVYL|A03406 CVYL|A08181 FGRM|XP\_011316832.1 FGRM|XP\_011325398.1 FGRM|XP\_011326132.1 MORY|QBZ60732.1 MORY|QBZ63256.1 NCRA|XP\_001728286.1 NCRA|XP\_959755.1 SSCL|APA10872.1

>Orthogroup480: ANID|CBF69522.1 ANID|CBF69567.1 ANID|CBF73900.1 ANID|CBF78565.1 ANID|CBF80136.1 BCIN|XP\_001546056.2 BCIN|XP\_001548768.1 BCIN|XP\_001550901.1 BCIN|XP\_001551279.2 BCIN|XP\_001558860.2 BCIN|XP\_024547428.1 BCIN|XP\_024550217.1 CHIG|XP\_018163711.1 FGRM|XP\_011323986.1 MGRA|XP\_003848236.1 MGRA|XP\_003849783.1 MGRA|XP\_003850273.1 MGRA|XP\_003851790.1 MGRA|XP\_003852795.1 MLAR|XP\_007413613.1 MLAR|XP\_007416934.1 MORY|QBZ65329.1 NCRA|XP\_959151.2 SSCL|APA06244.1 SSCL|APA07553.1 SSCL|APA12394.1 SSCL|APA14987.1

>Orthogroup481: ANID|CBF69560.1 BCIN|XP\_001552218.2 BCIN|XP\_024552107.1 BGRA|VDB92831.1 CFRU|XP\_031885471.1 CFRU|XP\_031887470.1 CGLO|KAF3803179.1 CGLO|KAF3806507.1 CHIG|XP\_018157544.1 CHIG|XP\_018161019.1 CVIN|KAF4920231.1 CVIN|KAF4921345.1 CVYL|A03609 CVYL|A09362 FGRM|XP\_011327871.1 FGRM|XP\_011328089.1 MGRA|XP\_003849417.1 MGRA|XP\_003849828.1 MLAR|XP\_007407116.1 MLAR|XP\_007410287.1 MLAR|XP\_007418413.1 MORY|QBZ56344.1 MORY|QBZ58829.1 NCRA|XP\_961818.2 NCRA|XP\_962514.3 SSCL|APA12937.1 SSCL|APA12993.1

>Orthogroup482: ANID|CBF69642.1 ANID|CBF73694.1 ANID|CBF83510.1 ANID|CBF87045.1 BCIN|XP\_001551065.1 BCIN|XP\_024548541.1 CFRU|XP\_031876329.1 CFRU|XP\_031878877.1 CFRU|XP\_031879553.1 CGLO|KAF3802637.1 CGLO|KAF3802710.1 CGLO|KAF3811863.1 CHIG|XP\_018151498.1 CVIN|KAF4889851.1 CVIN|KAF4920588.1 CVIN|KAF4921657.1 CVYL|A01931 CVYL|A06196 CVYL|A08036 FGRM|XP\_011322788.1 MGRA|XP\_003849872.1 MLAR|XP\_007405153.1 MLAR|XP\_007405154.1 MLAR|XP\_007411480.1 MLAR|XP\_007415383.1 MORY|QBZ53741.1 SSCL|APA14273.1

>Orthogroup483: ANID|CBF69791.1 ANID|CBF77981.1 ANID|CBF86266.1 BCIN|XP\_001549672.1 BCIN|XP\_024553613.1 BCIN|XP\_024553779.1 BGRA|VDB90650.1 CFRU|XP\_031882086.1 CFRU|XP\_031886910.1 CGLO|KAF3806021.1 CGLO|KAF3811452.1 CHIG|XP\_018153954.1 CHIG|XP\_018155087.1 CHIG|XP\_018155088.1 CHIG|XP\_018160696.1 CVIN|KAF4917836.1 CVIN|KAF4917863.1 CVYL|A04654 CVYL|A07491 FGRM|XP\_011318197.1 FGRM|XP\_011322153.1 FGRM|XP\_011327231.1 MGRA|XP\_003849883.1 MORY|QBZ53838.1 MORY|QBZ64126.1 SSCL|APA11399.1 SSCL|APA15148.1

>Orthogroup484: ANID|CBF70387.1 ANID|CBF73505.1 ANID|CBF74114.1 ANID|CBF79143.1 ANID|CBF80184.1 ANID|CBF90097.1 BCIN|XP\_001547095.2 BCIN|XP\_024547375.1 BCIN|XP\_024548906.1 BCIN|XP\_024553753.1 BGRA|VDB89010.1 CFRU|XP\_031880204.1 CGLO|KAF3804586.1 CGLO|KAF3809075.1 CHIG|XP\_018155915.1 CHIG|XP\_018163317.1 CVIN|KAF4919737.1 CVYL|A00315 CVYL|A01636 CVYL|A05291 FGRM|XP\_011318233.1 FGRM|XP\_011328597.1 MGRA|XP\_003848644.1 MORY|QBZ57335.1 NCRA|XP\_960586.3 SSCL|APA08382.1 SSCL|APA14380.1

>Orthogroup485: ANID|CBF71527.1 ANID|CBF78329.1 ANID|CBF83098.1 ANID|CBF88761.1 CFRU|XP\_031878608.1 CFRU|XP\_031889748.1 CFRU|XP\_031891062.1 CFRU|XP\_031892882.1 CGLO|KAF3797120.1 CGLO|KAF3798458.1 CGLO|KAF3805913.1 CGLO|KAF3811660.1 CHIG|XP\_018151865.1 CHIG|XP\_018161227.1 CHIG|XP\_018161414.1 CVIN|KAF4892837.1 CVIN|KAF4893359.1 CVIN|KAF4898937.1 CVIN|KAF4920018.1 CVYL|A10581 CVYL|A13796 FGRM|XP\_011315827.1 FGRM|XP\_011318202.1 FGRM|XP\_011320826.1 FGRM|XP\_011321564.1 FGRM|XP\_011322190.1 SSCL|APA09131.1

>Orthogroup486: ANID|CBF71781.1 CFRU|XP\_031881359.1 CFRU|XP\_031886994.1 CFRU|XP\_031891006.1 CFRU|XP\_031891416.1 CFRU|XP\_031892348.1 CGLO|KAF3797167.1 CGLO|KAF3804750.1 CGLO|KAF3811409.1 CGLO|KAF3811705.1 CHIG|XP\_018151828.1 CHIG|XP\_018157339.1 CHIG|XP\_018157340.1 CVIN|KAF4903562.1 CVIN|KAF4905043.1 CVIN|KAF4918858.1 CVIN|KAF4919712.1 CVYL|A04603 CVYL|A10528 CVYL|A11655 CVYL|A12730 FGRM|XP\_011322524.1 FGRM|XP\_011327419.1 MGRA|XP\_003849492.1 MLAR|XP\_007414391.1 MORY|QBZ59143.1 MORY|QBZ63376.1

>Orthogroup487: ANID|CBF71827.1 ANID|CBF78474.1 ANID|CBF88649.1 BCIN|XP\_024552327.1 BGRA|VDB92728.1 CFRU|XP\_031889047.1 CFRU|XP\_031889652.1 CFRU|XP\_031890216.1 CGLO|KAF3798267.1 CGLO|KAF3799375.1 CGLO|KAF3810469.1 CHIG|XP\_018151318.1 CHIG|XP\_018159153.1 CHIG|XP\_018159962.1 CVIN|KAF4906804.1 CVIN|KAF4906805.1 CVIN|KAF4916914.1 CVIN|KAF4924666.1 CVYL|A04741 CVYL|A09249 CVYL|A14070 FGRM|XP\_011318101.1 FGRM|XP\_011318168.1 MORY|QBZ64196.1 MORY|QBZ66319.1 NCRA|XP\_965788.2 SSCL|APA13193.1

>Orthogroup488: ANID|CBF73507.1 ANID|CBF86213.1 BCIN|XP\_001546849.1 CFRU|XP\_031878117.1 CFRU|XP\_031878583.1 CFRU|XP\_031880023.1 CFRU|XP\_031881879.1 CFRU|XP\_031891404.1 CGLO|KAF3798483.1 CGLO|KAF3801835.1 CGLO|KAF3804611.1 CGLO|KAF3805191.1 CGLO|KAF3809996.1 CHIG|XP\_018154278.1 CHIG|XP\_018156610.1 CVIN|KAF4907403.1 CVIN|KAF4909078.1 CVIN|KAF4913012.1 CVIN|KAF4919077.1 CVYL|A02597 CVYL|A05270 CVYL|A07962 CVYL|A12871 MGRA|XP\_003856130.1 MORY|QBZ66441.1 NCRA|XP\_959821.1 SSCL|APA10259.1

>Orthogroup489: ANID|CBF73553.1 ANID|CBF79854.1 BCIN|XP\_024546806.1 CFRU|XP\_031884051.1 CFRU|XP\_031888987.1 CFRU|XP\_031893031.1 CFRU|XP\_031893351.1 CGLO|KAF3799242.1 CGLO|KAF3800839.1 CGLO|KAF3805090.1 CGLO|KAF3809668.1 CHIG|XP\_018150860.1 CHIG|XP\_018159880.1 CVIN|KAF4888831.1 CVIN|KAF4908853.1 CVIN|KAF4925037.1 CVIN|KAF4927441.1 CVYL|A06468 CVYL|A08382 CVYL|A10135 CVYL|A11081 FGRM|XP\_011318324.1 FGRM|XP\_011319689.1 FGRM|XP\_011328809.1 MORY|QBZ64316.1 NCRA|XP\_961690.2 SSCL|APA06088.1

>Orthogroup490: ANID|CBF74073.1 ANID|CBF82762.1 BCIN|XP\_001547412.1 BCIN|XP\_001560977.1 BGRA|VCU39936.1 CFRU|XP\_031882163.1 CFRU|XP\_031890339.1 CGLO|KAF3804473.1 CHIG|XP\_018158671.1 CHIG|XP\_018160308.1 CVIN|KAF4926000.1 CVIN|KAF4930987.1 CVYL|A04188 CVYL|A14003 FGRM|XP\_011315933.1 FGRM|XP\_011326441.1 MGRA|XP\_003850045.1 MGRA|XP\_003856250.1 MLAR|XP\_007404556.1 MLAR|XP\_007411606.1 MLAR|XP\_007412607.1 MORY|QBZ55476.1 MORY|QBZ57021.1 NCRA|XP\_958765.2 NCRA|XP\_964603.1 SSCL|APA06705.1 SSCL|APA13536.1

>Orthogroup491: ANID|CBF74144.1 ANID|CBF81883.1 BCIN|XP\_001559691.2 CFRU|XP\_031878316.1 CFRU|XP\_031879155.1 CFRU|XP\_031887498.1 CGLO|KAF3798033.1 CGLO|KAF3807048.1 CGLO|KAF3807167.1 CHIG|XP\_018158085.1 CHIG|XP\_018159701.1 CHIG|XP\_018160995.1 CVIN|KAF4915618.1 CVIN|KAF4917564.1 CVIN|KAF4920255.1 CVYL|A03570 CVYL|A06342 FGRM|XP\_011320789.1 FGRM|XP\_011322490.1 FGRM|XP\_011323806.1 FGRM|XP\_011327511.1 FGRM|XP\_011327640.1 FGRM|XP\_011328760.1 MGRA|XP\_003856001.1 MORY|QBZ58776.1 NCRA|XP\_962410.2 SSCL|APA09446.1

>Orthogroup492: ANID|CBF75984.1 ANID|CBF84823.1 BCIN|XP\_001560946.1 BCIN|XP\_024546143.1 BCIN|XP\_024549705.1 BGRA|VDB95041.1 CFRU|XP\_031879251.1 CFRU|XP\_031879252.1 CGLO|KAF3807095.1 CGLO|KAF3807096.1 CHIG|XP\_018159753.1 CHIG|XP\_018162448.1 CVIN|KAF4919066.1 CVIN|KAF4919068.1 CVYL|A06385 FGRM|XP\_011320688.1 FGRM|XP\_011323300.1 FGRM|XP\_011324412.1 FGRM|XP\_011324957.1 MGRA|XP\_003854634.1 MLAR|XP\_007406810.1 MORY|QBZ63308.1 NCRA|XP\_960551.1 NCRA|XP\_963226.2 NCRA|XP\_964214.3 SSCL|APA05636.1 SSCL|APA06678.1

>Orthogroup493: ANID|CBF76265.1 ANID|CBF88090.1 BCIN|XP\_001558462.1 BCIN|XP\_024552727.1 BGRA|VCU41303.1 BGRA|VDB92453.1 CFRU|XP\_031888572.1 CFRU|XP\_031889170.1 CGLO|KAF3803079.1 CHIG|XP\_018155553.1 CHIG|XP\_018163877.1 CVIN|KAF4920373.1 CVIN|KAF4929648.1 CVYL|A00951 CVYL|A14523 FGRM|XP\_011316767.1 FGRM|XP\_011321112.1 MGRA|XP\_003856771.1 MGRA|XP\_003857013.1 MLAR|XP\_007406026.1 MLAR|XP\_007413478.1 MORY|QBZ55367.1 MORY|QBZ60107.1 NCRA|XP\_011393189.1 NCRA|XP\_957398.1 SSCL|APA07463.1 SSCL|APA14723.1

>Orthogroup494: ANID|CBF77189.1 BCIN|XP\_001550606.1 BCIN|XP\_024552517.1 BGRA|VDB89064.1 CFRU|XP\_031877631.1 CFRU|XP\_031888665.1 CFRU|XP\_031890798.1 CGLO|KAF3801068.1 CGLO|KAF3811695.1 CHIG|XP\_018151840.1 CHIG|XP\_018153715.1 CHIG|XP\_018156561.1 CHIG|XP\_018156562.1 CHIG|XP\_018156563.1 CVIN|KAF4902055.1 CVIN|KAF4915959.1 CVYL|A00101 CVYL|A12720 FGRM|XP\_011317549.1 FGRM|XP\_011327837.1 MGRA|XP\_003851524.1 MGRA|XP\_003853488.1 MLAR|XP\_007416562.1 MORY|QBZ60557.1 NCRA|XP\_959536.3 SSCL|APA08475.1 SSCL|APA14142.1

>Orthogroup495: ANID|CBF77296.1 ANID|CBF79371.1 BCIN|XP\_001550008.1 BCIN|XP\_024551013.1 BGRA|VCU39958.1 BGRA|VCU40902.1 CFRU|XP\_031884344.1 CFRU|XP\_031887209.1 CGLO|KAF3809346.1 CHIG|XP\_018156198.1 CHIG|XP\_018162372.1 CVIN|KAF4908631.1 CVIN|KAF4924205.1 CVYL|A01551 CVYL|A12076 FGRM|XP\_011318800.1 FGRM|XP\_011323910.1 MGRA|XP\_003851578.1 MGRA|XP\_003852673.1 MLAR|XP\_007413936.1 MORY|QBZ53529.1 MORY|QBZ61581.1 MORY|QBZ63096.1 NCRA|XP\_011393723.1 NCRA|XP\_957379.1 SSCL|APA10496.1 SSCL|APA11932.1

>Orthogroup496: ANID|CBF77379.1 ANID|CBF81292.1 BCIN|XP\_001553570.1 BCIN|XP\_024546088.1 BGRA|VDB90529.1 BGRA|VDB90727.1 CFRU|XP\_031888338.1 CFRU|XP\_031890505.1 CGLO|KAF3803562.1 CHIG|XP\_018164126.1 CHIG|XP\_018164314.1 CVIN|KAF4922289.1 CVIN|KAF4929780.1 CVYL|A12248 CVYL|A14494 FGRM|XP\_011317016.1 FGRM|XP\_011326500.1 MGRA|XP\_003850657.1 MGRA|XP\_003857691.1 MLAR|XP\_007406437.1 MLAR|XP\_007416990.1 MORY|QBZ56409.1 MORY|QBZ63562.1 NCRA|XP\_011393145.1 NCRA|XP\_964462.1 SSCL|APA06417.1 SSCL|APA06607.1

>Orthogroup497: ANID|CBF77819.1 ANID|CBF84294.1 BCIN|XP\_024548085.1 CFRU|XP\_031884489.1 CFRU|XP\_031887164.1 CFRU|XP\_031889010.1 CGLO|KAF3796977.1 CGLO|KAF3799220.1 CGLO|KAF3805745.1 CGLO|KAF3809247.1 CHIG|XP\_018150974.1 CHIG|XP\_018156080.1 CHIG|XP\_018159857.1 CVIN|KAF4909322.1 CVIN|KAF4913287.1 CVIN|KAF4925341.1 CVIN|KAF4926590.1 CVYL|A01438 CVYL|A05804 FGRM|XP\_011319231.1 FGRM|XP\_011328422.1 MGRA|XP\_003848198.1 MLAR|XP\_007413387.1 MORY|QBZ57379.1 MORY|QBZ57534.1 NCRA|XP\_957592.1 SSCL|APA12745.1

>Orthogroup498: ANID|CBF78877.1 BCIN|XP\_001546868.1 BCIN|XP\_001556241.2 BCIN|XP\_001559647.1 BCIN|XP\_001560241.2 BCIN|XP\_024547564.1 BCIN|XP\_024550152.1 CFRU|XP\_031888666.1 CFRU|XP\_031892507.1 CGLO|KAF3797037.1 CGLO|KAF3799310.1 CHIG|XP\_018157003.1 CVIN|KAF4905030.1 CVYL|A10669 MGRA|XP\_003852496.1 MGRA|XP\_003854429.1 MGRA|XP\_003854574.1 MGRA|XP\_003854986.1 MGRA|XP\_003855718.1 MGRA|XP\_003856317.1 MLAR|XP\_007405447.1 MLAR|XP\_007409617.1 MORY|QBZ65621.1 SSCL|APA08994.1 SSCL|APA09411.1 SSCL|APA10281.1 SSCL|APA10834.1

>Orthogroup499: ANID|CBF78926.1 BCIN|XP\_001558941.1 BCIN|XP\_024553972.1 CFRU|XP\_031876662.1 CFRU|XP\_031876898.1 CFRU|XP\_031876913.1 CGLO|KAF3799834.1 CGLO|KAF3799852.1 CGLO|KAF3801920.1 CHIG|XP\_018152618.1 CHIG|XP\_018158110.1 CHIG|XP\_018159369.1 CVIN|KAF4918690.1 CVIN|KAF4921739.1 CVYL|A02357 CVYL|A09663 FGRM|XP\_011321409.1 MGRA|XP\_003849117.1 MGRA|XP\_003851164.1 MORY|QBZ58075.1 MORY|QBZ58277.1 MORY|QBZ59381.1 MORY|QBZ60708.1 MORY|QBZ64105.1 MORY|QBZ64302.1 NCRA|XP\_960158.1 SSCL|APA15407.1

>Orthogroup500: ANID|CBF79169.1 ANID|CBF82503.1 ANID|CBF87431.1 BCIN|XP\_024548791.1 BCIN|XP\_024549328.1 BCIN|XP\_024552474.1 CFRU|XP\_031879948.1 CFRU|XP\_031880782.1 CFRU|XP\_031884245.1 CFRU|XP\_031892536.1 CGLO|KAF3797057.1 CGLO|KAF3798362.1 CGLO|KAF3803779.1 CGLO|KAF3806877.1 CHIG|XP\_018152919.1 CHIG|XP\_018157039.1 CVIN|KAF4908005.1 CVIN|KAF4917907.1 CVIN|KAF4920295.1 CVIN|KAF4923484.1 CVYL|A02523 CVYL|A07931 CVYL|A10647 FGRM|XP\_011318041.1 FGRM|XP\_011320656.1 MORY|QBZ58679.1 SSCL|APA13146.1

>Orthogroup501: ANID|CBF79382.1 ANID|CBF83624.1 BCIN|XP\_024546619.1 BCIN|XP\_024549876.1 BGRA|VDB90930.1 BGRA|VDB91120.1 CFRU|XP\_031888226.1 CFRU|XP\_031888227.1 CGLO|KAF3803638.1 CGLO|KAF3803639.1 CHIG|XP\_018163821.1 CVIN|KAF4913949.1 CVIN|KAF4913964.1 CVYL|A14573 FGRM|XP\_011317060.1 FGRM|XP\_011317061.1 MGRA|XP\_003848685.1 MGRA|XP\_003850503.1 MLAR|XP\_007405202.1 MLAR|XP\_007406321.1 MLAR|XP\_007409413.1 MORY|QBZ54695.1 MORY|QBZ54696.1 NCRA|XP\_958320.3 NCRA|XP\_958321.3 SSCL|APA05549.1 SSCL|APA06440.1

>Orthogroup502: ANID|CBF80481.1 BCIN|XP\_001546009.1 BCIN|XP\_001560668.1 BCIN|XP\_024545897.1 CFRU|XP\_031875992.1 CFRU|XP\_031878465.1 CFRU|XP\_031878831.1 CFRU|XP\_031879273.1 CFRU|XP\_031892877.1 CGLO|KAF3799811.1 CGLO|KAF3808607.1 CHIG|XP\_018151569.1 CHIG|XP\_018155050.1 CHIG|XP\_018156678.1 CHIG|XP\_018161562.1 CHIG|XP\_018163174.1 CVIN|KAF4907986.1 CVIN|KAF4911611.1 CVIN|KAF4926200.1 CVYL|A01901 CVYL|A12375 FGRM|XP\_011319439.1 MORY|QBZ57653.1 MORY|QBZ60724.1 MORY|QBZ64453.1 SSCL|APA07160.1 SSCL|APA15882.1

>Orthogroup503: ANID|CBF80645.1 ANID|CBF87086.1 CFRU|XP\_031876412.1 CFRU|XP\_031879905.1 CFRU|XP\_031881820.1 CFRU|XP\_031893376.1 CGLO|KAF3799000.1 CGLO|KAF3801971.1 CGLO|KAF3808049.1 CGLO|KAF3809999.1 CHIG|XP\_018152754.1 CHIG|XP\_018152909.1 CHIG|XP\_018157733.1 CHIG|XP\_018159398.1 CHIG|XP\_018159912.1 CVIN|KAF4913004.1 CVIN|KAF4919803.1 CVIN|KAF4922819.1 CVIN|KAF4923440.1 CVYL|A02406 CVYL|A02600 CVYL|A07919 CVYL|A08183 MORY|QBZ58720.1 MORY|QBZ58984.1 MORY|QBZ61986.1 MORY|QBZ65971.1

>Orthogroup504: ANID|CBF80903.1 BCIN|XP\_001558869.1 CFRU|XP\_031876837.1 CFRU|XP\_031879304.1 CFRU|XP\_031880903.1 CFRU|XP\_031883357.1 CFRU|XP\_031883588.1 CGLO|KAF3797971.1 CGLO|KAF3800555.1 CGLO|KAF3806989.1 CGLO|KAF3808674.1 CHIG|XP\_018152135.1 CHIG|XP\_018161838.1 CVIN|KAF4914930.1 CVIN|KAF4918781.1 CVIN|KAF4923821.1 CVIN|KAF4926125.1 CVYL|A06283 CVYL|A11233 CVYL|A13162 FGRM|XP\_011315969.1 MGRA|XP\_003854654.1 MGRA|XP\_003856989.1 MLAR|XP\_007413618.1 MORY|QBZ60307.1 NCRA|XP\_956910.1 SSCL|APA05771.1

>Orthogroup505: ANID|CBF81968.1 BCIN|XP\_001554403.1 BCIN|XP\_024548802.1 BCIN|XP\_024552572.1 BCIN|XP\_024552691.1 BCIN|XP\_024552827.1 CFRU|XP\_031876354.1 CFRU|XP\_031876665.1 CFRU|XP\_031889395.1 CFRU|XP\_031893030.1 CGLO|KAF3797270.1 CGLO|KAF3800835.1 CGLO|KAF3801896.1 CGLO|KAF3801897.1 CGLO|KAF3802217.1 CGLO|KAF3808716.1 CHIG|XP\_018150874.1 CVIN|KAF4922459.1 CVIN|KAF4929563.1 CVYL|A00944 CVYL|A03184 CVYL|A08713 CVYL|A10421 FGRM|XP\_011328067.1 MORY|QBZ64992.1 NCRA|XP\_957922.2 SSCL|APA15625.1

>Orthogroup506: ANID|CBF82023.1 ANID|CBF85376.1 ANID|CBF89363.1 BCIN|XP\_024546532.1 CFRU|XP\_031883149.1 CFRU|XP\_031883181.1 CFRU|XP\_031886053.1 CFRU|XP\_031889561.1 CGLO|KAF3805476.1 CGLO|KAF3808178.1 CGLO|KAF3810456.1 CHIG|XP\_018151466.1 CHIG|XP\_018155340.1 CHIG|XP\_018163232.1 CVIN|KAF4898726.1 CVIN|KAF4919751.1 CVIN|KAF4924320.1 CVIN|KAF4924654.1 CVYL|A00493 CVYL|A00533 CVYL|A14000 FGRM|XP\_011322792.1 FGRM|XP\_011327285.1 MGRA|XP\_003853326.1 MORY|QBZ59198.1 NCRA|XP\_958596.1 SSCL|APA06707.1

>Orthogroup507: ANID|CBF82029.1 BCIN|XP\_024553935.1 CFRU|XP\_031877410.1 CFRU|XP\_031877440.1 CFRU|XP\_031879079.1 CFRU|XP\_031881456.1 CFRU|XP\_031891846.1 CGLO|KAF3801356.1 CGLO|KAF3805822.1 CGLO|KAF3808453.1 CGLO|KAF3808454.1 CHIG|XP\_018153879.1 CHIG|XP\_018154254.1 CHIG|XP\_018155043.1 CVIN|KAF4913314.1 CVIN|KAF4915210.1 CVIN|KAF4915211.1 CVIN|KAF4920895.1 CVYL|A06001 CVYL|A07725 CVYL|A09136 CVYL|A11687 FGRM|XP\_011324304.1 FGRM|XP\_011327757.1 MGRA|XP\_003848132.1 MGRA|XP\_003850570.1 SSCL|APA15312.1

>Orthogroup508: ANID|CBF83224.1 CFRU|XP\_031878675.1 CFRU|XP\_031888390.1 CFRU|XP\_031891810.1 CFRU|XP\_031892212.1 CFRU|XP\_031893050.1 CGLO|KAF3800174.1 CGLO|KAF3803707.1 CGLO|KAF3808382.1 CHIG|XP\_018152450.1 CVIN|KAF4916848.1 CVIN|KAF4925846.1 CVIN|KAF4928551.1 CVYL|A06383 CVYL|A09542 CVYL|A14639 FGRM|XP\_011316236.1 FGRM|XP\_011320619.1 FGRM|XP\_011321669.1 FGRM|XP\_011323071.1 FGRM|XP\_011328677.1 MGRA|XP\_003847604.1 MGRA|XP\_003847684.1 MGRA|XP\_003857649.1 MORY|QBZ57691.1 SSCL|APA05903.1 SSCL|APA15127.1

>Orthogroup509: ANID|CBF84711.1 ANID|CBF85753.1 BCIN|XP\_024546121.1 BCIN|XP\_024549723.1 BGRA|VDB90974.1 CFRU|XP\_031890491.1 CGLO|KAF3804904.1 CHIG|XP\_018164379.1 CVIN|KAF4909788.1 CVYL|A12156 FGRM|XP\_011316805.1 FGRM|XP\_011317994.1 FGRM|XP\_011319440.1 FGRM|XP\_011325941.1 MGRA|XP\_003848657.1 MGRA|XP\_003849029.1 MGRA|XP\_003856346.1 MLAR|XP\_007403905.1 MLAR|XP\_007403906.1 MLAR|XP\_007405813.1 MLAR|XP\_007416495.1 MLAR|XP\_007417594.1 MORY|QBZ63495.1 MORY|QBZ65362.1 NCRA|XP\_958159.1 SSCL|APA05448.1 SSCL|APA06645.1

>Orthogroup510: ANID|CBF85429.1 BCIN|XP\_001560897.1 BCIN|XP\_024547810.1 CFRU|XP\_031886921.1 CFRU|XP\_031887053.1 CFRU|XP\_031887056.1 CGLO|KAF3811266.1 CGLO|KAF3811272.1 CHIG|XP\_018160487.1 CHIG|XP\_018160491.1 CHIG|XP\_018160495.1 CVIN|KAF4927230.1 CVIN|KAF4927257.1 CVIN|KAF4927259.1 CVYL|A04462 CVYL|A04468 CVYL|A04471 FGRM|XP\_011326930.1 FGRM|XP\_011326932.1 FGRM|XP\_011326935.1 MORY|QBZ58096.1 MORY|QBZ64491.1 MORY|QBZ64499.1 NCRA|XP\_960826.3 NCRA|XP\_960828.1 SSCL|APA08108.1 SSCL|APA08109.1

>Orthogroup511: ANID|CBF85705.1 ANID|CBF86997.1 BCIN|XP\_001546533.2 BCIN|XP\_001557887.1 BGRA|VCU41267.1 CFRU|XP\_031879193.1 CFRU|XP\_031882399.1 CGLO|KAF3807113.1 CGLO|KAF3807522.1 CHIG|XP\_018156416.1 CHIG|XP\_018159763.1 CVIN|KAF4919059.1 CVIN|KAF4928934.1 CVYL|A02962 CVYL|A06397 FGRM|XP\_011318608.1 FGRM|XP\_011323279.1 MGRA|XP\_003850278.1 MGRA|XP\_003856230.1 MLAR|XP\_007414362.1 MLAR|XP\_007414373.1 MORY|QBZ62000.1 MORY|QBZ63663.1 NCRA|XP\_011393994.1 NCRA|XP\_959727.1 SSCL|APA12790.1 SSCL|APA16149.1

>Orthogroup512: ANID|CBF86438.1 BCIN|XP\_001545980.1 BCIN|XP\_001556115.1 BGRA|VCU39006.1 CFRU|XP\_031880606.1 CFRU|XP\_031883567.1 CGLO|KAF3810796.1 CGLO|KAF3811541.1 CHIG|XP\_018155078.1 CHIG|XP\_018160801.1 CVIN|KAF4921782.1 CVIN|KAF4926742.1 CVYL|A02024 CVYL|A04753 FGRM|XP\_011317532.1 FGRM|XP\_011322145.1 FGRM|XP\_011324406.1 FGRM|XP\_011324807.1 MLAR|XP\_007412031.1 MLAR|XP\_007413645.1 MLAR|XP\_007419518.1 MORY|QBZ58887.1 MORY|QBZ62390.1 NCRA|XP\_959872.1 NCRA|XP\_962055.1 SSCL|APA08890.1 SSCL|APA10815.1

>Orthogroup513: ANID|CBF86603.1 CFRU|XP\_031879334.1 CFRU|XP\_031881128.1 CFRU|XP\_031884930.1 CFRU|XP\_031887771.1 CGLO|KAF3799252.1 CGLO|KAF3803257.1 CGLO|KAF3808659.1 CGLO|KAF3809887.1 CGLO|KAF3812125.1 CHIG|XP\_018153353.1 CHIG|XP\_018161102.1 CHIG|XP\_018161103.1 CHIG|XP\_018161474.1 CHIG|XP\_018161858.1 CVIN|KAF4910009.1 CVIN|KAF4926158.1 CVIN|KAF4928649.1 CVIN|KAF4930631.1 CVYL|A00273 CVYL|A01730 CVYL|A03690 CVYL|A11833 FGRM|XP\_011322064.1 MORY|QBZ53703.1 MORY|QBZ66447.1 NCRA|XP\_959875.2

>Orthogroup514: ANID|CBF87295.1 ANID|CBF90298.1 BCIN|XP\_001555329.1 CFRU|XP\_031879006.1 CFRU|XP\_031881033.1 CFRU|XP\_031883276.1 CFRU|XP\_031886104.1 CGLO|KAF3798858.1 CGLO|KAF3801724.1 CGLO|KAF3809883.1 CGLO|KAF3811997.1 CHIG|XP\_018159239.1 CHIG|XP\_018161465.1 CVIN|KAF4920329.1 CVIN|KAF4922941.1 CVIN|KAF4930354.1 CVIN|KAF4930628.1 CVYL|A12977 FGRM|XP\_011322421.1 MGRA|XP\_003850943.1 MGRA|XP\_003855137.1 MGRA|XP\_003855802.1 MORY|QBZ60738.1 MORY|QBZ62849.1 NCRA|XP\_011394913.1 NCRA|XP\_011394939.1 SSCL|APA08613.1

>Orthogroup515: ANID|CBF87518.1 BGRA|VDB92853.1 CFRU|XP\_031875403.1 CFRU|XP\_031876004.1 CFRU|XP\_031877554.1 CFRU|XP\_031884322.1 CFRU|XP\_031884461.1 CFRU|XP\_031889409.1 CFRU|XP\_031892616.1 CGLO|KAF3797122.1 CGLO|KAF3799721.1 CGLO|KAF3800003.1 CGLO|KAF3807994.1 CGLO|KAF3808916.1 CHIG|XP\_018153031.1 CHIG|XP\_018155774.1 CHIG|XP\_018158255.1 CHIG|XP\_018159285.1 CHIG|XP\_018161091.1 CHIG|XP\_018161336.1 CVIN|KAF4893358.1 CVIN|KAF4919971.1 CVIN|KAF4920748.1 CVIN|KAF4926859.1 CVYL|A01167 MORY|QBZ57765.1 MORY|QBZ58475.1

>Orthogroup516: ANID|CBF88310.1 ANID|CBF88352.1 BCIN|XP\_024547096.1 BCIN|XP\_024547949.1 BGRA|VCU40676.1 BGRA|VDB83629.1 CFRU|XP\_031880614.1 CFRU|XP\_031880615.1 CGLO|KAF3811518.1 CHIG|XP\_018160775.1 CVIN|KAF4926731.1 CVIN|KAF4926732.1 CVYL|A04726 CVYL|A04727 FGRM|XP\_011327896.1 FGRM|XP\_011327897.1 MGRA|XP\_003848830.1 MGRA|XP\_003848898.1 MLAR|XP\_007403957.1 MLAR|XP\_007413050.1 MLAR|XP\_007419573.1 MORY|QBZ57236.1 MORY|QBZ57238.1 NCRA|XP\_961917.2 NCRA|XP\_961919.3 SSCL|APA05411.1 SSCL|APA08407.1

>Orthogroup517: BCIN|XP\_001547063.1 BCIN|XP\_001559766.1 BCIN|XP\_024546809.1 BCIN|XP\_024552791.1 CFRU|XP\_031878709.1 CFRU|XP\_031885747.1 CFRU|XP\_031885900.1 CGLO|KAF3797572.1 CGLO|KAF3805479.1 CGLO|KAF3808241.1 CHIG|XP\_018155337.1 CHIG|XP\_018157754.1 CHIG|XP\_018158049.1 CHIG|XP\_018159406.1 CVIN|KAF4898725.1 CVIN|KAF4917951.1 CVIN|KAF4923555.1 CVIN|KAF4923579.1 CVYL|A02632 CVYL|A05607 CVYL|A08972 FGRM|XP\_011315641.1 FGRM|XP\_011325882.1 NCRA|XP\_011393515.1 SSCL|APA05943.1 SSCL|APA06082.1 SSCL|APA16053.1

>Orthogroup518: BCIN|XP\_001547873.1 BCIN|XP\_001560452.1 BCIN|XP\_024546898.1 BGRA|VCU40622.1 CFRU|XP\_031880721.1 CFRU|XP\_031887397.1 CGLO|KAF3809294.1 CGLO|KAF3811144.1 CHIG|XP\_018160358.1 CVIN|KAF4931262.1 CVYL|A04303 FGRM|XP\_011319169.1 FGRM|XP\_011326446.1 MGRA|XP\_003850339.1 MGRA|XP\_003855076.1 MGRA|XP\_003856424.1 MLAR|XP\_007408476.1 MLAR|XP\_007415896.1 MORY|QBZ57467.1 MORY|QBZ64616.1 MORY|QBZ65184.1 NCRA|XP\_960705.2 NCRA|XP\_960997.2 NCRA|XP\_962495.3 SSCL|APA05840.1 SSCL|APA15711.1 SSCL|APA16171.1

>Orthogroup519: MLAR|XP\_007403552.1 MLAR|XP\_007404124.1 MLAR|XP\_007404661.1 MLAR|XP\_007405487.1 MLAR|XP\_007405488.1 MLAR|XP\_007405530.1 MLAR|XP\_007405855.1 MLAR|XP\_007406801.1 MLAR|XP\_007407334.1 MLAR|XP\_007407337.1 MLAR|XP\_007409012.1 MLAR|XP\_007409036.1 MLAR|XP\_007409037.1 MLAR|XP\_007409038.1 MLAR|XP\_007410116.1 MLAR|XP\_007410235.1 MLAR|XP\_007410670.1 MLAR|XP\_007411242.1 MLAR|XP\_007411277.1 MLAR|XP\_007411324.1 MLAR|XP\_007413567.1 MLAR|XP\_007413801.1 MLAR|XP\_007415907.1 MLAR|XP\_007416511.1 MLAR|XP\_007417157.1 MLAR|XP\_007418192.1 MLAR|XP\_007418403.1

>Orthogroup520: MLAR|XP\_007403987.1 MLAR|XP\_007403988.1 MLAR|XP\_007404032.1 MLAR|XP\_007404036.1 MLAR|XP\_007404037.1 MLAR|XP\_007404038.1 MLAR|XP\_007404040.1 MLAR|XP\_007404204.1 MLAR|XP\_007405718.1 MLAR|XP\_007406179.1 MLAR|XP\_007407165.1 MLAR|XP\_007407529.1 MLAR|XP\_007407979.1 MLAR|XP\_007409789.1 MLAR|XP\_007410033.1 MLAR|XP\_007411395.1 MLAR|XP\_007411396.1 MLAR|XP\_007412951.1 MLAR|XP\_007413373.1 MLAR|XP\_007413894.1 MLAR|XP\_007414024.1 MLAR|XP\_007414757.1 MLAR|XP\_007415814.1 MLAR|XP\_007415815.1 MLAR|XP\_007418312.1 MLAR|XP\_007418633.1 MLAR|XP\_007419555.1

>Orthogroup521: MLAR|XP\_007404195.1 MLAR|XP\_007404715.1 MLAR|XP\_007406454.1 MLAR|XP\_007406687.1 MLAR|XP\_007406907.1 MLAR|XP\_007406981.1 MLAR|XP\_007407096.1 MLAR|XP\_007407449.1 MLAR|XP\_007407998.1 MLAR|XP\_007408505.1 MLAR|XP\_007408870.1 MLAR|XP\_007409121.1 MLAR|XP\_007409126.1 MLAR|XP\_007409134.1 MLAR|XP\_007409734.1 MLAR|XP\_007410404.1 MLAR|XP\_007410505.1 MLAR|XP\_007410749.1 MLAR|XP\_007411167.1 MLAR|XP\_007411857.1 MLAR|XP\_007411959.1 MLAR|XP\_007412276.1 MLAR|XP\_007412684.1 MLAR|XP\_007413289.1 MLAR|XP\_007413961.1 MLAR|XP\_007414206.1 MLAR|XP\_007418324.1

>Orthogroup522: MLAR|XP\_007404427.1 MLAR|XP\_007404706.1 MLAR|XP\_007404817.1 MLAR|XP\_007405539.1 MLAR|XP\_007406571.1 MLAR|XP\_007406688.1 MLAR|XP\_007407244.1 MLAR|XP\_007408555.1 MLAR|XP\_007409156.1 MLAR|XP\_007409434.1 MLAR|XP\_007409840.1 MLAR|XP\_007410325.1 MLAR|XP\_007410523.1 MLAR|XP\_007411319.1 MLAR|XP\_007411983.1 MLAR|XP\_007413004.1 MLAR|XP\_007413174.1 MLAR|XP\_007414059.1 MLAR|XP\_007414139.1 MLAR|XP\_007415028.1 MLAR|XP\_007415316.1 MLAR|XP\_007416707.1 MLAR|XP\_007417180.1 MLAR|XP\_007417369.1 MLAR|XP\_007418357.1 MLAR|XP\_007418430.1 MLAR|XP\_007419432.1

>Orthogroup523: MLAR|XP\_007404572.1 MLAR|XP\_007404773.1 MLAR|XP\_007404774.1 MLAR|XP\_007405017.1 MLAR|XP\_007405018.1 MLAR|XP\_007405020.1 MLAR|XP\_007405022.1 MLAR|XP\_007405023.1 MLAR|XP\_007405026.1 MLAR|XP\_007405027.1 MLAR|XP\_007405032.1 MLAR|XP\_007405346.1 MLAR|XP\_007405347.1 MLAR|XP\_007407696.1 MLAR|XP\_007408269.1 MLAR|XP\_007408270.1 MLAR|XP\_007408271.1 MLAR|XP\_007408272.1 MLAR|XP\_007408400.1 MLAR|XP\_007410429.1 MLAR|XP\_007410975.1 MLAR|XP\_007412105.1 MLAR|XP\_007413206.1 MLAR|XP\_007414020.1 MLAR|XP\_007419715.1 MLAR|XP\_007419716.1 MLAR|XP\_007419740.1

>Orthogroup524: MLAR|XP\_007405589.1 MLAR|XP\_007406224.1 MLAR|XP\_007406250.1 MLAR|XP\_007406251.1 MLAR|XP\_007406648.1 MLAR|XP\_007406657.1 MLAR|XP\_007407007.1 MLAR|XP\_007407431.1 MLAR|XP\_007407955.1 MLAR|XP\_007408031.1 MLAR|XP\_007408483.1 MLAR|XP\_007410150.1 MLAR|XP\_007411846.1 MLAR|XP\_007412457.1 MLAR|XP\_007412787.1 MLAR|XP\_007412932.1 MLAR|XP\_007413016.1 MLAR|XP\_007413841.1 MLAR|XP\_007414638.1 MLAR|XP\_007415890.1 MLAR|XP\_007416757.1 MLAR|XP\_007417040.1 MLAR|XP\_007418105.1 MLAR|XP\_007418629.1 MLAR|XP\_007418794.1 MLAR|XP\_007419137.1 MLAR|XP\_007419231.1

>Orthogroup525: ANID|CBF69362.1 ANID|CBF75866.1 ANID|CBF86366.1 BCIN|XP\_001548982.1 BCIN|XP\_001555605.1 BCIN|XP\_024552830.1 CFRU|XP\_031880428.1 CFRU|XP\_031882695.1 CFRU|XP\_031888849.1 CGLO|KAF3799339.1 CGLO|KAF3803870.1 CGLO|KAF3807228.1 CHIG|XP\_018151088.1 CHIG|XP\_018159916.1 CHIG|XP\_018164610.1 CVIN|KAF4924772.1 CVIN|KAF4925429.1 CVYL|A04375 CVYL|A08929 FGRM|XP\_011318207.1 FGRM|XP\_011327372.1 MGRA|XP\_003850937.1 MORY|QBZ65537.1 NCRA|XP\_960110.1 NCRA|XP\_962844.2 SSCL|APA07021.1

>Orthogroup526: ANID|CBF69617.1 ANID|CBF75338.1 BCIN|XP\_001550995.1 BCIN|XP\_024549958.1 CFRU|XP\_031886491.1 CFRU|XP\_031890637.1 CGLO|KAF3802350.1 CGLO|KAF3804923.1 CHIG|XP\_018161583.1 CHIG|XP\_018162058.1 CHIG|XP\_018164421.1 CVIN|KAF4919407.1 CVIN|KAF4931531.1 CVYL|A11813 CVYL|A12132 FGRM|XP\_011316201.1 FGRM|XP\_011324040.1 MGRA|XP\_003853878.1 MGRA|XP\_003855843.1 MLAR|XP\_007403536.1 MORY|QBZ56459.1 MORY|QBZ61547.1 NCRA|XP\_011393440.1 NCRA|XP\_011393789.1 SSCL|APA05298.1 SSCL|APA07060.1

>Orthogroup527: ANID|CBF70189.1 ANID|CBF87149.1 BCIN|XP\_024546380.1 CFRU|XP\_031876147.1 CFRU|XP\_031877078.1 CFRU|XP\_031884800.1 CFRU|XP\_031889516.1 CFRU|XP\_031893157.1 CGLO|KAF3805205.1 CGLO|KAF3805909.1 CGLO|KAF3809464.1 CGLO|KAF3810279.1 CHIG|XP\_018152957.1 CHIG|XP\_018158925.1 CVIN|KAF4898940.1 CVIN|KAF4909091.1 CVIN|KAF4918618.1 CVIN|KAF4918746.1 CVYL|A00233 CVYL|A07950 CVYL|A10032 CVYL|A13801 FGRM|XP\_011315594.1 FGRM|XP\_011323132.1 MLAR|XP\_007408762.1 SSCL|APA06590.1

>Orthogroup528: ANID|CBF70330.1 ANID|CBF89016.1 CFRU|XP\_031883005.1 CFRU|XP\_031886058.1 CFRU|XP\_031886590.1 CFRU|XP\_031891844.1 CFRU|XP\_031893533.1 CGLO|KAF3800080.1 CGLO|KAF3801170.1 CGLO|KAF3804100.1 CGLO|KAF3808232.1 CGLO|KAF3809471.1 CHIG|XP\_018152705.1 CHIG|XP\_018155204.1 CHIG|XP\_018156771.1 CHIG|XP\_018162656.1 CHIG|XP\_018165026.1 CVIN|KAF4894846.1 CVIN|KAF4896539.1 CVIN|KAF4909561.1 CVIN|KAF4911051.1 CVIN|KAF4921283.1 CVYL|A00573 CVYL|A06779 CVYL|A07063 FGRM|XP\_011327714.1

>Orthogroup529: ANID|CBF70749.1 ANID|CBF83485.1 BCIN|XP\_001554263.1 BCIN|XP\_024548094.1 BGRA|VCU40731.1 CFRU|XP\_031876370.1 CFRU|XP\_031882002.1 CGLO|KAF3797769.1 CGLO|KAF3806136.1 CHIG|XP\_018156439.1 CHIG|XP\_018164527.1 CVIN|KAF4911033.1 CVIN|KAF4918826.1 CVYL|A02988 CVYL|A07371 FGRM|XP\_011318775.1 FGRM|XP\_011320433.1 FGRM|XP\_011324942.1 MGRA|XP\_003851408.1 MLAR|XP\_007416566.1 MORY|QBZ62274.1 MORY|QBZ63638.1 NCRA|XP\_011395206.1 NCRA|XP\_959918.1 SSCL|APA12624.1 SSCL|APA14362.1

>Orthogroup530: ANID|CBF70753.1 BCIN|XP\_001553092.2 BCIN|XP\_001557757.1 BCIN|XP\_024549860.1 BGRA|VCU40914.1 CFRU|XP\_031887114.1 CFRU|XP\_031887441.1 CGLO|KAF3809188.1 CGLO|KAF3811312.1 CHIG|XP\_018156014.1 CHIG|XP\_018160536.1 CVIN|KAF4925307.1 CVIN|KAF4927207.1 CVYL|A01376 CVYL|A04491 FGRM|XP\_011319063.1 FGRM|XP\_011324875.1 FGRM|XP\_011325631.1 MGRA|XP\_003851962.1 MGRA|XP\_003855886.1 MORY|QBZ56307.1 MORY|QBZ62506.1 NCRA|XP\_960686.2 SSCL|APA05530.1 SSCL|APA12180.1 SSCL|APA16117.1

>Orthogroup531: ANID|CBF71764.1 ANID|CBF88382.1 BCIN|XP\_001551359.1 BCIN|XP\_001552865.1 CFRU|XP\_031876545.1 CFRU|XP\_031881022.1 CFRU|XP\_031883621.1 CGLO|KAF3800437.1 CGLO|KAF3810823.1 CGLO|KAF3811475.1 CHIG|XP\_018156557.1 CHIG|XP\_018160728.1 CVIN|KAF4901297.1 CVIN|KAF4904636.1 CVIN|KAF4907410.1 CVYL|A01827 CVYL|A01999 CVYL|A04679 FGRM|XP\_011318053.1 FGRM|XP\_011320602.1 FGRM|XP\_011327345.1 MGRA|XP\_003847630.1 MGRA|XP\_003854906.1 MORY|QBZ60642.1 NCRA|XP\_962681.2 SSCL|APA10405.1

>Orthogroup532: ANID|CBF73678.1 ANID|CBF86922.1 ANID|CBF89309.1 BCIN|XP\_001555550.1 CFRU|XP\_031884303.1 CFRU|XP\_031884733.1 CFRU|XP\_031885194.1 CFRU|XP\_031891743.1 CGLO|KAF3799964.1 CGLO|KAF3800164.1 CGLO|KAF3812138.1 CHIG|XP\_018159062.1 CHIG|XP\_018165099.1 CVIN|KAF4910007.1 CVIN|KAF4918880.1 CVIN|KAF4925796.1 CVIN|KAF4926885.1 CVYL|A00260 CVYL|A06861 CVYL|A07298 CVYL|A10179 FGRM|XP\_011327699.1 MGRA|XP\_003849602.1 MORY|QBZ54349.1 MORY|QBZ62889.1 SSCL|APA10384.1

>Orthogroup533: ANID|CBF74135.1 ANID|CBF74186.1 BCIN|XP\_001546507.1 BCIN|XP\_024546029.1 BCIN|XP\_024549597.1 BGRA|VDB92475.1 CFRU|XP\_031876008.1 CFRU|XP\_031889540.1 CGLO|KAF3797300.1 CGLO|KAF3805890.1 CHIG|XP\_018157207.1 CHIG|XP\_018158907.1 CVIN|KAF4899564.1 CVIN|KAF4920774.1 CVYL|A13822 FGRM|XP\_011320163.1 MGRA|XP\_003852360.1 MGRA|XP\_003853640.1 MORY|QBZ57911.1 MORY|QBZ60516.1 MORY|QBZ65346.1 NCRA|XP\_011392950.1 NCRA|XP\_957069.2 SSCL|APA07296.1 SSCL|APA13982.1 SSCL|APA15115.1

>Orthogroup534: ANID|CBF74413.1 ANID|CBF87911.1 BCIN|XP\_024551683.1 BCIN|XP\_024551916.1 BGRA|VDB89203.1 BGRA|VDB89611.1 CFRU|XP\_031879796.1 CFRU|XP\_031883940.1 CGLO|KAF3797453.1 CGLO|KAF3803006.1 CHIG|XP\_018153553.1 CHIG|XP\_018163551.1 CVIN|KAF4905677.1 CVIN|KAF4929947.1 CVYL|A00018 CVYL|A09887 FGRM|XP\_011316955.1 FGRM|XP\_011316966.1 MGRA|XP\_003856932.1 MLAR|XP\_007406133.1 MORY|QBZ54892.1 MORY|QBZ63167.1 NCRA|XP\_011393071.1 NCRA|XP\_962144.1 SSCL|APA06016.1 SSCL|APA06355.1

>Orthogroup535: ANID|CBF74803.1 ANID|CBF75405.1 BCIN|XP\_001549070.1 BCIN|XP\_001559201.1 BCIN|XP\_001559924.2 BGRA|VDB83903.1 BGRA|VDB83984.1 CFRU|XP\_031886398.1 CGLO|KAF3806291.1 CHIG|XP\_018162116.1 CVIN|KAF4923952.1 CVYL|A11883 FGRM|XP\_011317415.1 FGRM|XP\_011320535.1 MGRA|XP\_003855997.1 MGRA|XP\_003857751.1 MLAR|XP\_007404213.1 MLAR|XP\_007405116.1 MLAR|XP\_007405242.1 MLAR|XP\_007406778.1 MLAR|XP\_007406809.1 MLAR|XP\_007408147.1 MORY|QBZ58410.1 SSCL|APA09762.1 SSCL|APA09967.1 SSCL|APA15786.1

>Orthogroup536: ANID|CBF75066.1 ANID|CBF81101.1 BCIN|XP\_001560191.1 BCIN|XP\_024551871.1 BGRA|VDB91175.1 BGRA|VDB92521.1 CFRU|XP\_031882758.1 CFRU|XP\_031890202.1 CGLO|KAF3802924.1 CGLO|KAF3803435.1 CHIG|XP\_018158526.1 CHIG|XP\_018164095.1 CVIN|KAF4925592.1 CVIN|KAF4926286.1 CVYL|A05092 CVYL|A14364 FGRM|XP\_011316172.1 FGRM|XP\_011316634.1 MGRA|XP\_003851723.1 MGRA|XP\_003856305.1 MLAR|XP\_007408600.1 MORY|QBZ63214.1 NCRA|XP\_965042.2 NCRA|XP\_965671.3 SSCL|APA05389.1 SSCL|APA15892.1

>Orthogroup537: ANID|CBF75691.1 BCIN|XP\_024551839.1 BCIN|XP\_024553743.1 BGRA|VDB93347.1 CFRU|XP\_031886377.1 CFRU|XP\_031891687.1 CGLO|KAF3802953.1 CGLO|KAF3805655.1 CHIG|XP\_018153664.1 CHIG|XP\_018153792.1 CHIG|XP\_018162074.1 CVIN|KAF4925720.1 CVIN|KAF4929945.1 CVIN|KAF4931577.1 CVYL|A00384 CVYL|A07544 FGRM|XP\_011317075.1 FGRM|XP\_011324013.1 FGRM|XP\_011326003.1 FGRM|XP\_011328029.1 MORY|QBZ61563.1 MORY|QBZ63871.1 NCRA|XP\_011393023.1 NCRA|XP\_011394046.1 SSCL|APA14746.1 SSCL|APA15129.1

>Orthogroup538: ANID|CBF76553.1 ANID|CBF76555.1 BCIN|XP\_001554337.1 BCIN|XP\_024547406.1 BGRA|VDB83838.1 BGRA|VDB83842.1 CFRU|XP\_031876280.1 CFRU|XP\_031876281.1 CGLO|KAF3805997.1 CHIG|XP\_018164642.1 CHIG|XP\_018164643.1 CVIN|KAF4925703.1 CVIN|KAF4925708.1 CVYL|A07517 CVYL|A07518 FGRM|XP\_011320739.1 FGRM|XP\_011326710.1 FGRM|XP\_011326729.1 MGRA|XP\_003848546.1 MLAR|XP\_007413104.1 MORY|QBZ64894.1 MORY|QBZ64902.1 NCRA|XP\_959974.1 NCRA|XP\_959980.1 SSCL|APA14417.1 SSCL|APA14418.1

>Orthogroup539: ANID|CBF76772.1 ANID|CBF80294.1 BCIN|XP\_024546030.1 BCIN|XP\_024551215.1 CFRU|XP\_031875927.1 CFRU|XP\_031878757.1 CFRU|XP\_031888735.1 CFRU|XP\_031892773.1 CGLO|KAF3797571.1 CGLO|KAF3804129.1 CHIG|XP\_018157258.1 CHIG|XP\_018159969.1 CVIN|KAF4907630.1 CVIN|KAF4910280.1 CVIN|KAF4920686.1 CVIN|KAF4923554.1 CVYL|A08973 CVYL|A09839 CVYL|A10431 FGRM|XP\_011320017.1 FGRM|XP\_011322630.1 MGRA|XP\_003849267.1 NCRA|XP\_959669.2 NCRA|XP\_964249.1 SSCL|APA07293.1 SSCL|APA10135.1

>Orthogroup540: ANID|CBF76910.1 BCIN|XP\_024552747.1 CFRU|XP\_031875786.1 CFRU|XP\_031878353.1 CFRU|XP\_031890237.1 CGLO|KAF3797579.1 CGLO|KAF3798102.1 CGLO|KAF3802941.1 CHIG|XP\_018154103.1 CHIG|XP\_018158133.1 CHIG|XP\_018158543.1 CVIN|KAF4912167.1 CVIN|KAF4925549.1 CVIN|KAF4927936.1 CVYL|A03409 CVYL|A05079 CVYL|A08255 FGRM|XP\_011316631.1 FGRM|XP\_011323897.1 FGRM|XP\_011325401.1 MGRA|XP\_003853467.1 MORY|QBZ60704.1 MORY|QBZ65349.1 NCRA|XP\_960106.1 NCRA|XP\_965003.2 SSCL|APA07488.1

>Orthogroup541: ANID|CBF77941.1 ANID|CBF81878.1 BCIN|XP\_024551388.1 BCIN|XP\_024551463.1 BGRA|VCU39541.1 BGRA|VCU39921.1 CFRU|XP\_031886817.1 CGLO|KAF3801207.1 CGLO|KAF3801208.1 CHIG|XP\_018162488.1 CHIG|XP\_018162489.1 CVIN|KAF4932039.1 CVIN|KAF4932040.1 CVYL|A07125 FGRM|XP\_011323965.1 FGRM|XP\_011326327.1 MGRA|XP\_003854916.1 MGRA|XP\_003855084.1 MLAR|XP\_007411714.1 MLAR|XP\_007413245.1 MORY|QBZ55570.1 MORY|QBZ56501.1 NCRA|XP\_957244.1 NCRA|XP\_959032.1 SSCL|APA10441.1 SSCL|APA10617.1

>Orthogroup542: ANID|CBF78667.1 ANID|CBF78669.1 BCIN|XP\_001546060.2 BCIN|XP\_024552430.1 BGRA|VDB93552.1 BGRA|VDB93554.1 CFRU|XP\_031886266.1 CFRU|XP\_031886267.1 CGLO|KAF3806277.1 CHIG|XP\_018162103.1 CHIG|XP\_018162104.1 CVIN|KAF4923918.1 CVIN|KAF4923956.1 CVYL|A11868 FGRM|XP\_011326629.1 FGRM|XP\_011326630.1 FGRM|XP\_011326631.1 MGRA|XP\_003851977.1 MLAR|XP\_007410291.1 MLAR|XP\_007418063.1 MORY|QBZ61518.1 MORY|QBZ61519.1 NCRA|XP\_011393840.1 NCRA|XP\_956687.2 SSCL|APA14982.1 SSCL|APA14983.1

>Orthogroup543: ANID|CBF78719.1 CFRU|XP\_031883125.1 CFRU|XP\_031883833.1 CFRU|XP\_031884589.1 CFRU|XP\_031889746.1 CFRU|XP\_031892140.1 CGLO|KAF3799730.1 CGLO|KAF3805681.1 CGLO|KAF3805915.1 CGLO|KAF3807958.1 CGLO|KAF3809776.1 CHIG|XP\_018163559.1 CHIG|XP\_018164971.1 CVIN|KAF4898934.1 CVIN|KAF4915183.1 CVIN|KAF4919948.1 CVIN|KAF4920657.1 CVIN|KAF4924039.1 CVIN|KAF4924040.1 CVYL|A00668 CVYL|A06696 CVYL|A09869 CVYL|A11361 FGRM|XP\_011322093.1 FGRM|XP\_011327492.1 MORY|QBZ61812.1

>Orthogroup544: ANID|CBF79421.1 ANID|CBF79445.1 BCIN|XP\_001558690.1 BCIN|XP\_024549716.1 BGRA|VDB90992.1 BGRA|VDB91016.1 CFRU|XP\_031888315.1 CFRU|XP\_031888316.1 CGLO|KAF3803543.1 CHIG|XP\_018164149.1 CHIG|XP\_018164150.1 CVIN|KAF4922250.1 CVIN|KAF4922263.1 CVYL|A14475 CVYL|A14476 FGRM|XP\_011316158.1 FGRM|XP\_011316159.1 MGRA|XP\_003851411.1 MGRA|XP\_003851762.1 MLAR|XP\_007412269.1 MLAR|XP\_007413907.1 MORY|QBZ56426.1 NCRA|XP\_965404.1 NCRA|XP\_965406.2 SSCL|APA05457.1 SSCL|APA05464.1

>Orthogroup545: ANID|CBF80270.1 BCIN|XP\_001560555.2 BCIN|XP\_024547724.1 BCIN|XP\_024552996.1 CFRU|XP\_031878018.1 CFRU|XP\_031881197.1 CFRU|XP\_031881314.1 CFRU|XP\_031884836.1 CFRU|XP\_031891519.1 CGLO|KAF3802456.1 CHIG|XP\_018154756.1 CHIG|XP\_018157387.1 CVYL|A02047 CVYL|A03873 FGRM|XP\_011318704.1 FGRM|XP\_011319500.1 FGRM|XP\_011325298.1 FGRM|XP\_011325852.1 FGRM|XP\_011327546.1 MGRA|XP\_003849974.1 MORY|QBZ55305.1 MORY|QBZ60207.1 NCRA|XP\_961853.3 NCRA|XP\_962973.1 NCRA|XP\_965375.3 SSCL|APA07962.1

>Orthogroup546: ANID|CBF80746.1 BCIN|XP\_001557918.1 BCIN|XP\_024547584.1 BCIN|XP\_024551256.1 BGRA|VCU41126.1 CFRU|XP\_031887938.1 CFRU|XP\_031893473.1 CGLO|KAF3797475.1 CGLO|KAF3802326.1 CHIG|XP\_018152394.1 CHIG|XP\_018154428.1 CVIN|KAF4918645.1 CVIN|KAF4918815.1 CVYL|A09495 CVYL|A10951 FGRM|XP\_011317711.1 FGRM|XP\_011322186.1 FGRM|XP\_011323039.1 MGRA|XP\_003847820.1 MORY|QBZ54052.1 MORY|QBZ57779.1 NCRA|XP\_011392888.1 NCRA|XP\_957943.3 SSCL|APA07828.1 SSCL|APA10293.1 SSCL|APA12735.1

>Orthogroup547: ANID|CBF82936.1 CFRU|XP\_031877009.1 CFRU|XP\_031893322.1 CGLO|KAF3802371.1 CGLO|KAF3802372.1 CGLO|KAF3808313.1 CGLO|KAF3808314.1 CGLO|KAF3809651.1 CHIG|XP\_018153989.1 CHIG|XP\_018156933.1 CHIG|XP\_018159082.1 CVYL|A12185 CVYL|A12186 CVYL|A12192 CVYL|A12193 FGRM|XP\_011318012.1 FGRM|XP\_011320590.1 FGRM|XP\_011322265.1 FGRM|XP\_011322266.1 FGRM|XP\_011323274.1 FGRM|XP\_011325253.1 MORY|QBZ65700.1 MORY|QBZ65701.1 MORY|QBZ66269.1 NCRA|XP\_958123.3 NCRA|XP\_958124.2

>Orthogroup548: ANID|CBF83143.1 ANID|CBF87269.1 BCIN|XP\_001545358.1 BCIN|XP\_001559906.2 BCIN|XP\_024552990.1 BGRA|VCU41174.1 CFRU|XP\_031883338.1 CGLO|KAF3800575.1 CGLO|KAF3809048.1 CHIG|XP\_018152105.1 CHIG|XP\_018158296.1 CVIN|KAF4927068.1 CVYL|A13140 FGRM|XP\_011319618.1 FGRM|XP\_011325677.1 MGRA|XP\_003848105.1 MLAR|XP\_007403801.1 MLAR|XP\_007405579.1 MLAR|XP\_007406489.1 MLAR|XP\_007407773.1 MLAR|XP\_007415626.1 MORY|QBZ62116.1 NCRA|XP\_956256.1 SSCL|APA05323.1 SSCL|APA09747.1 SSCL|APA16215.1

>Orthogroup549: ANID|CBF83559.1 BCIN|XP\_001545135.2 CFRU|XP\_031884147.1 CFRU|XP\_031888974.1 CFRU|XP\_031892200.1 CFRU|XP\_031893043.1 CGLO|KAF3798378.1 CGLO|KAF3801333.1 CGLO|KAF3804127.1 CHIG|XP\_018156601.1 CHIG|XP\_018159016.1 CHIG|XP\_018159967.1 CHIG|XP\_018162120.1 CHIG|XP\_018162121.1 CVIN|KAF4910278.1 CVIN|KAF4910751.1 CVYL|A03541 CVYL|A07752 CVYL|A14174 FGRM|XP\_011317602.1 FGRM|XP\_011321873.1 MGRA|XP\_003852015.1 MGRA|XP\_003854895.1 MGRA|XP\_003856144.1 MORY|QBZ60773.1 NCRA|XP\_956226.1

>Orthogroup550: ANID|CBF83660.1 ANID|CBF84506.1 ANID|CBF88232.1 BCIN|XP\_001552432.1 BCIN|XP\_024553230.1 CFRU|XP\_031891094.1 CFRU|XP\_031891831.1 CFRU|XP\_031893008.1 CGLO|KAF3809779.1 CHIG|XP\_018152598.1 CHIG|XP\_018164970.1 CVIN|KAF4915178.1 CVIN|KAF4919209.1 CVYL|A06700 CVYL|A08443 FGRM|XP\_011318360.1 FGRM|XP\_011326074.1 FGRM|XP\_011327500.1 MGRA|XP\_003847697.1 MGRA|XP\_003854825.1 MGRA|XP\_003855392.1 MORY|QBZ56176.1 MORY|QBZ64171.1 NCRA|XP\_011395195.1 SSCL|APA13511.1 SSCL|APA14913.1

>Orthogroup551: ANID|CBF83693.1 BCIN|XP\_024551532.1 BGRA|VDB84140.1 CFRU|XP\_031878358.1 CFRU|XP\_031884366.1 CFRU|XP\_031892498.1 CGLO|KAF3797194.1 CGLO|KAF3810742.1 CGLO|KAF3811022.1 CHIG|XP\_018152549.1 CHIG|XP\_018157313.1 CHIG|XP\_018162478.1 CVIN|KAF4920800.1 CVIN|KAF4932064.1 CVYL|A07210 CVYL|A10505 FGRM|XP\_011319931.1 FGRM|XP\_011321782.1 FGRM|XP\_011326326.1 MGRA|XP\_003856313.1 MORY|QBZ57730.1 MORY|QBZ59721.1 MORY|QBZ66093.1 NCRA|XP\_963096.3 NCRA|XP\_964245.2 SSCL|APA10813.1

>Orthogroup552: ANID|CBF84550.1 BCIN|XP\_001554318.1 BCIN|XP\_001554843.1 BCIN|XP\_024549243.1 BGRA|VDB84371.1 CFRU|XP\_031877902.1 CFRU|XP\_031890983.1 CGLO|KAF3801664.1 CGLO|KAF3810883.1 CHIG|XP\_018151438.1 CHIG|XP\_018154905.1 CVIN|KAF4916361.1 CVIN|KAF4921203.1 CVYL|A02261 CVYL|A12471 FGRM|XP\_011322273.1 FGRM|XP\_011324531.1 FGRM|XP\_011328503.1 MGRA|XP\_003849581.1 MGRA|XP\_003857123.1 MORY|QBZ59262.1 MORY|QBZ61193.1 MORY|QBZ62149.1 NCRA|XP\_960337.1 SSCL|APA09021.1 SSCL|APA14405.1

>Orthogroup553: ANID|CBF85316.1 CFRU|XP\_031875804.1 CFRU|XP\_031880150.1 CFRU|XP\_031880366.1 CGLO|KAF3801778.1 CGLO|KAF3807346.1 CGLO|KAF3811814.1 CHIG|XP\_018151724.1 CHIG|XP\_018156875.1 CHIG|XP\_018159283.1 CVIN|KAF4920094.1 CVIN|KAF4922951.1 CVIN|KAF4924895.1 CVYL|A10839 CVYL|A12818 CVYL|A12928 FGRM|XP\_011320935.1 FGRM|XP\_011321877.1 FGRM|XP\_011321888.1 FGRM|XP\_011322310.1 FGRM|XP\_011323414.1 FGRM|XP\_011325493.1 MGRA|XP\_003849924.1 MORY|QBZ53393.1 MORY|QBZ63058.1 NCRA|XP\_955811.3

>Orthogroup554: ANID|CBF86357.1 BCIN|XP\_024552663.1 CFRU|XP\_031880140.1 CFRU|XP\_031887792.1 CFRU|XP\_031887932.1 CFRU|XP\_031893017.1 CFRU|XP\_031893018.1 CGLO|KAF3798291.1 CGLO|KAF3808424.1 CGLO|KAF3808425.1 CHIG|XP\_018163677.1 CVIN|KAF4925025.1 CVIN|KAF4925026.1 CVYL|A04058 CVYL|A09582 FGRM|XP\_011315723.1 FGRM|XP\_011320717.1 FGRM|XP\_011320718.1 FGRM|XP\_011320719.1 FGRM|XP\_011320997.1 FGRM|XP\_011328657.1 MORY|QBZ54900.1 MORY|QBZ63051.1 MORY|QBZ63052.1 MORY|QBZ63053.1 NCRA|XP\_963595.1

>Orthogroup555: ANID|CBF86553.1 ANID|CBF87961.1 BCIN|XP\_001555700.1 BCIN|XP\_024551760.1 CFRU|XP\_031880322.1 CFRU|XP\_031893520.1 CGLO|KAF3808925.1 CGLO|KAF3809493.1 CHIG|XP\_018152680.1 CHIG|XP\_018155801.1 CVIN|KAF4920750.1 CVIN|KAF4921292.1 CVYL|A01160 CVYL|A10066 FGRM|XP\_011317902.1 FGRM|XP\_011325728.1 FGRM|XP\_011327730.1 MGRA|XP\_003850028.1 MGRA|XP\_003856733.1 MLAR|XP\_007417815.1 MORY|QBZ55018.1 MORY|QBZ63812.1 NCRA|XP\_961593.1 NCRA|XP\_964070.2 SSCL|APA10096.1 SSCL|APA14822.1

>Orthogroup556: ANID|CBF88053.1 BCIN|XP\_024552736.1 CFRU|XP\_031881351.1 CFRU|XP\_031885620.1 CFRU|XP\_031893491.1 CGLO|KAF3805814.1 CGLO|KAF3808004.1 CGLO|KAF3810189.1 CHIG|XP\_018152376.1 CHIG|XP\_018157807.1 CHIG|XP\_018163706.1 CVIN|KAF4895810.1 CVIN|KAF4920903.1 CVIN|KAF4929118.1 CVYL|A02781 CVYL|A06011 CVYL|A09479 FGRM|XP\_011317732.1 MGRA|XP\_003848808.1 MLAR|XP\_007407314.1 MLAR|XP\_007417366.1 MORY|QBZ58067.1 MORY|QBZ59279.1 NCRA|XP\_960444.3 NCRA|XP\_961014.1 SSCL|APA07471.1

>Orthogroup557: ANID|CBF88644.1 MLAR|XP\_007403842.1 MLAR|XP\_007403922.1 MLAR|XP\_007403923.1 MLAR|XP\_007404263.1 MLAR|XP\_007405184.1 MLAR|XP\_007407183.1 MLAR|XP\_007407500.1 MLAR|XP\_007409186.1 MLAR|XP\_007412000.1 MLAR|XP\_007412094.1 MLAR|XP\_007413491.1 MLAR|XP\_007415010.1 MLAR|XP\_007415116.1 MLAR|XP\_007415354.1 MLAR|XP\_007416143.1 MLAR|XP\_007416498.1 MLAR|XP\_007416622.1 MLAR|XP\_007417189.1 MLAR|XP\_007418116.1 MLAR|XP\_007418477.1 MLAR|XP\_007418580.1 MLAR|XP\_007418768.1 MLAR|XP\_007418995.1 MLAR|XP\_007419655.1 MORY|QBZ54117.1

>Orthogroup558: ANID|CBF89433.1 BCIN|XP\_001549080.2 BCIN|XP\_024549610.1 BCIN|XP\_024552284.1 CFRU|XP\_031881950.1 CFRU|XP\_031892791.1 CGLO|KAF3806011.1 CGLO|KAF3809058.1 CHIG|XP\_018155877.1 CHIG|XP\_018163039.1 CVIN|KAF4925737.1 CVYL|A01273 CVYL|A07501 FGRM|XP\_011318380.1 FGRM|XP\_011319369.1 FGRM|XP\_011320200.1 FGRM|XP\_011327042.1 MGRA|XP\_003847722.1 MGRA|XP\_003856154.1 NCRA|XP\_956238.2 NCRA|XP\_961004.1 NCRA|XP\_961705.1 SSCL|APA06211.1 SSCL|APA13055.1 SSCL|APA13995.1 SSCL|APA13996.1

>Orthogroup559: ANID|CBF89954.1 BCIN|XP\_001552976.1 BCIN|XP\_024548029.1 BCIN|XP\_024548346.1 CFRU|XP\_031882052.1 CFRU|XP\_031890129.1 CGLO|KAF3798247.1 CGLO|KAF3806074.1 CHIG|XP\_018157652.1 CHIG|XP\_018164600.1 CVIN|KAF4893188.1 CVIN|KAF4900881.1 CVYL|A07440 CVYL|A09231 FGRM|XP\_011324226.1 FGRM|XP\_011327726.1 MGRA|XP\_003848371.1 MLAR|XP\_007408855.1 MLAR|XP\_007414098.1 MORY|QBZ56237.1 MORY|QBZ57060.1 MORY|QBZ60886.1 NCRA|XP\_962538.2 SSCL|APA08905.1 SSCL|APA12605.1 SSCL|APA14005.1

>Orthogroup560: ANID|CBF90041.1 BCIN|XP\_024552242.1 CFRU|XP\_031880348.1 CFRU|XP\_031886159.1 CFRU|XP\_031886169.1 CFRU|XP\_031893028.1 CGLO|KAF3806566.1 CGLO|KAF3807318.1 CGLO|KAF3811991.1 CHIG|XP\_018150872.1 CHIG|XP\_018158287.1 CVIN|KAF4918097.1 CVIN|KAF4920452.1 CVIN|KAF4922512.1 CVIN|KAF4930432.1 CVYL|A05516 CVYL|A08715 CVYL|A09302 CVYL|A10803 FGRM|XP\_011317563.1 FGRM|XP\_011328054.1 MGRA|XP\_003854406.1 MLAR|XP\_007414030.1 MORY|QBZ56826.1 NCRA|XP\_962265.2 SSCL|APA13027.1

>Orthogroup561: BCIN|XP\_024545973.1 CFRU|XP\_031880940.1 CFRU|XP\_031883048.1 CFRU|XP\_031883102.1 CFRU|XP\_031883118.1 CFRU|XP\_031885569.1 CFRU|XP\_031891770.1 CFRU|XP\_031892146.1 CGLO|KAF3808199.1 CGLO|KAF3808200.1 CGLO|KAF3808250.1 CGLO|KAF3808471.1 CGLO|KAF3809775.1 CGLO|KAF3810028.1 CHIG|XP\_018155812.1 CHIG|XP\_018164862.1 CVIN|KAF4909567.1 CVIN|KAF4915198.1 CVIN|KAF4917953.1 CVYL|A00586 CVYL|A02627 CVYL|A06695 FGRM|XP\_011325859.1 MORY|QBZ60194.1 NCRA|XP\_011395029.1 SSCL|APA06056.1

>Orthogroup562: BCIN|XP\_001548105.2 BCIN|XP\_001552330.2 BCIN|XP\_001559151.1 CFRU|XP\_031877221.1 CFRU|XP\_031877224.1 CGLO|KAF3806460.1 CHIG|XP\_018162348.1 CHIG|XP\_018162349.1 CVIN|KAF4897888.1 CVIN|KAF4897892.1 CVYL|A12059 FGRM|XP\_011318325.1 FGRM|XP\_011323932.1 FGRM|XP\_011323933.1 MGRA|XP\_003849016.1 MGRA|XP\_003850536.1 MGRA|XP\_003853435.1 MGRA|XP\_003856631.1 MORY|QBZ61396.1 MORY|QBZ62949.1 MORY|QBZ65119.1 NCRA|XP\_956403.2 NCRA|XP\_957145.3 NCRA|XP\_961692.2 SSCL|APA08951.1 SSCL|APA09498.1

>Orthogroup563: BCIN|XP\_001550703.1 BCIN|XP\_001554048.2 BGRA|VCU38767.1 BGRA|VCU38787.1 BGRA|VCU38806.1 CFRU|XP\_031888310.1 CFRU|XP\_031891524.1 CGLO|KAF3803548.1 CGLO|KAF3804549.1 CHIG|XP\_018160384.1 CHIG|XP\_018164142.1 CVIN|KAF4922278.1 CVIN|KAF4924533.1 CVYL|A14481 FGRM|XP\_011323447.1 FGRM|XP\_011326697.1 MGRA|XP\_003855294.1 MLAR|XP\_007404716.1 MLAR|XP\_007404717.1 MLAR|XP\_007404719.1 MLAR|XP\_007409543.1 MLAR|XP\_007409544.1 MORY|QBZ56910.1 NCRA|XP\_961562.1 SSCL|APA11133.1 SSCL|APA15447.1

>Orthogroup564: BCIN|XP\_001554727.2 BCIN|XP\_001557465.1 BCIN|XP\_024550938.1 CFRU|XP\_031880490.1 CFRU|XP\_031881628.1 CFRU|XP\_031889222.1 CGLO|KAF3807415.1 CGLO|KAF3808734.1 CGLO|KAF3811582.1 CHIG|XP\_018153777.1 CHIG|XP\_018160847.1 CVIN|KAF4906626.1 CVIN|KAF4914889.1 CVIN|KAF4929643.1 CVYL|A00928 CVYL|A03435 CVYL|A10915 FGRM|XP\_011315891.1 FGRM|XP\_011322138.1 FGRM|XP\_011325329.1 FGRM|XP\_011328699.1 MORY|QBZ53736.1 MORY|QBZ64255.1 MORY|QBZ66336.1 NCRA|XP\_959153.3 SSCL|APA15467.1

>Orthogroup565: BCIN|XP\_001547575.1 BCIN|XP\_024553197.1 CFRU|XP\_031876873.1 CFRU|XP\_031888465.1 CGLO|KAF3797801.1 CGLO|KAF3799826.1 CGLO|KAF3799827.1 CHIG|XP\_018153846.1 CHIG|XP\_018156477.1 CVIN|KAF4888792.1 CVIN|KAF4923158.1 CVYL|A09685 FGRM|XP\_011321643.1 FGRM|XP\_011321984.1 FGRM|XP\_011325451.1 MGRA|XP\_003851746.1 MGRA|XP\_003854244.1 MGRA|XP\_003854564.1 MGRA|XP\_003856796.1 MLAR|XP\_007406268.1 MLAR|XP\_007406689.1 MORY|QBZ59923.1 MORY|QBZ64955.1 NCRA|XP\_959997.2 SSCL|APA07468.1 SSCL|APA13472.1

>Orthogroup566: BGRA|VCU38820.1 BGRA|VCU38843.1 BGRA|VCU38858.1 BGRA|VCU38981.1 BGRA|VCU39159.1 BGRA|VCU39825.1 BGRA|VCU39832.1 BGRA|VCU40532.1 BGRA|VCU40533.1 BGRA|VCU40541.1 BGRA|VCU40564.1 BGRA|VCU40807.1 BGRA|VCU40895.1 BGRA|VCU41287.1 BGRA|VDB85980.1 BGRA|VDB85981.1 BGRA|VDB89946.1 BGRA|VDB89949.1 BGRA|VDB89952.1 BGRA|VDB90527.1 BGRA|VDB90589.1 BGRA|VDB92854.1 BGRA|VDB92882.1 BGRA|VDB92883.1 BGRA|VDB93578.1 BGRA|VDB94757.1

>Orthogroup567: BGRA|VCU38862.1 BGRA|VCU39257.1 BGRA|VCU39353.1 BGRA|VCU39618.1 BGRA|VCU40643.1 BGRA|VCU40772.1 BGRA|VCU40819.1 BGRA|VCU41346.1 BGRA|VDB83542.1 BGRA|VDB84363.1 BGRA|VDB87780.1 BGRA|VDB87932.1 BGRA|VDB88149.1 BGRA|VDB88256.1 BGRA|VDB89021.1 BGRA|VDB89463.1 BGRA|VDB90368.1 BGRA|VDB90372.1 BGRA|VDB92696.1 BGRA|VDB93183.1 BGRA|VDB93510.1 BGRA|VDB93880.1 BGRA|VDB94487.1 BGRA|VDB94735.1 BGRA|VDB95012.1 BGRA|VDB95064.1

>Orthogroup568: CFRU|XP\_031878313.1 CFRU|XP\_031880985.1 CFRU|XP\_031882612.1 CFRU|XP\_031882938.1 CFRU|XP\_031892195.1 CGLO|KAF3798057.1 CGLO|KAF3800455.1 CGLO|KAF3803860.1 CGLO|KAF3806645.1 CGLO|KAF3809811.1 CHIG|XP\_018153314.1 CHIG|XP\_018153315.1 CHIG|XP\_018161370.1 CHIG|XP\_018164223.1 CHIG|XP\_018164945.1 CVIN|KAF4902808.1 CVIN|KAF4918937.1 CVIN|KAF4919307.1 CVIN|KAF4927974.1 CVYL|A01840 CVYL|A06730 CVYL|A08299 CVYL|A08940 CVYL|A12359 FGRM|XP\_011323097.1 MORY|QBZ60163.1

>Orthogroup569: ANID|CBF69461.1 BCIN|XP\_024548752.1 BGRA|VCU39607.1 CFRU|XP\_031880649.1 CFRU|XP\_031888126.1 CFRU|XP\_031890520.1 CGLO|KAF3802146.1 CGLO|KAF3806760.1 CGLO|KAF3811135.1 CHIG|XP\_018160367.1 CVIN|KAF4907210.1 CVYL|A03247 CVYL|A04292 CVYL|A04972 CVYL|A04973 FGRM|XP\_011327074.1 MGRA|XP\_003851261.1 MGRA|XP\_003855289.1 MGRA|XP\_003856707.1 MORY|QBZ57738.1 MORY|QBZ59891.1 MORY|QBZ59892.1 MORY|QBZ64284.1 NCRA|XP\_961317.2 SSCL|APA09741.1

>Orthogroup570: ANID|CBF69496.1 ANID|CBF80862.1 CFRU|XP\_031875679.1 CFRU|XP\_031876446.1 CGLO|KAF3797648.1 CGLO|KAF3801950.1 CHIG|XP\_018151670.1 CHIG|XP\_018155334.1 CHIG|XP\_018155422.1 CHIG|XP\_018155543.1 CHIG|XP\_018156689.1 CVIN|KAF4919361.1 CVIN|KAF4919783.1 CVYL|A01120 CVYL|A02385 FGRM|XP\_011315613.1 FGRM|XP\_011321897.1 MGRA|XP\_003849226.1 MGRA|XP\_003851718.1 MGRA|XP\_003851938.1 MGRA|XP\_003855391.1 MORY|QBZ56858.1 MORY|QBZ64961.1 NCRA|XP\_957425.1 NCRA|XP\_960176.1

>Orthogroup571: ANID|CBF69569.1 ANID|CBF89495.1 BCIN|XP\_001545731.2 BCIN|XP\_001549033.1 BGRA|VDB93104.1 CFRU|XP\_031884816.1 CFRU|XP\_031890609.1 CGLO|KAF3805272.1 CGLO|KAF3812152.1 CHIG|XP\_018153385.1 CHIG|XP\_018158800.1 CVIN|KAF4901286.1 CVIN|KAF4918751.1 CVYL|A00241 CVYL|A13921 FGRM|XP\_011316667.1 FGRM|XP\_011323372.1 MGRA|XP\_003847738.1 MGRA|XP\_003852910.1 MLAR|XP\_007414895.1 MORY|QBZ57444.1 MORY|QBZ60394.1 NCRA|XP\_961775.1 NCRA|XP\_964971.1 SSCL|APA09843.1

>Orthogroup572: ANID|CBF69719.1 BCIN|XP\_024550438.1 CFRU|XP\_031880101.1 CFRU|XP\_031883816.1 CFRU|XP\_031886705.1 CFRU|XP\_031887706.1 CGLO|KAF3801408.1 CGLO|KAF3804047.1 CGLO|KAF3811644.1 CGLO|KAF3811809.1 CHIG|XP\_018151728.1 CHIG|XP\_018159091.1 CHIG|XP\_018163594.1 CVIN|KAF4920663.1 CVIN|KAF4921437.1 CVIN|KAF4924883.1 CVIN|KAF4927585.1 CVYL|A07007 CVYL|A12812 FGRM|XP\_011319513.1 FGRM|XP\_011323408.1 FGRM|XP\_011325742.1 MGRA|XP\_003857497.1 NCRA|XP\_965613.2 SSCL|APA10980.1

>Orthogroup573: ANID|CBF69765.1 BCIN|XP\_024553104.1 BCIN|XP\_024553105.1 BGRA|VCU39727.1 BGRA|VCU39728.1 CFRU|XP\_031883505.1 CFRU|XP\_031883617.1 CGLO|KAF3811903.1 CHIG|XP\_018155154.1 CVIN|KAF4911839.1 CVIN|KAF4911845.1 CVYL|A06161 FGRM|XP\_011317374.1 FGRM|XP\_011317375.1 MGRA|XP\_003847792.1 MGRA|XP\_003857492.1 MLAR|XP\_007405890.1 MLAR|XP\_007413958.1 MLAR|XP\_007419081.1 MORY|QBZ60950.1 MORY|QBZ60951.1 NCRA|XP\_956460.3 NCRA|XP\_956461.3 SSCL|APA16318.1 SSCL|APA16319.1

>Orthogroup574: ANID|CBF69889.1 ANID|CBF70439.1 ANID|CBF70707.1 BCIN|XP\_001549748.1 BCIN|XP\_001551006.1 BCIN|XP\_024552094.1 CFRU|XP\_031891796.1 CFRU|XP\_031893599.1 CGLO|KAF3800053.1 CGLO|KAF3800863.1 CHIG|XP\_018150836.1 CHIG|XP\_018164998.1 CVIN|KAF4915579.1 CVIN|KAF4919326.1 CVYL|A06750 CVYL|A11102 FGRM|XP\_011321945.1 FGRM|XP\_011324475.1 MGRA|XP\_003849704.1 MGRA|XP\_003852458.1 MORY|QBZ64275.1 NCRA|XP\_962600.1 SSCL|APA07051.1 SSCL|APA12884.1 SSCL|APA13882.1

>Orthogroup575: ANID|CBF69908.1 ANID|CBF71325.1 CFRU|XP\_031878898.1 CFRU|XP\_031880183.1 CFRU|XP\_031890159.1 CGLO|KAF3802846.1 CGLO|KAF3807831.1 CGLO|KAF3808943.1 CHIG|XP\_018155805.1 CHIG|XP\_018157078.1 CHIG|XP\_018158445.1 CHIG|XP\_018162979.1 CVIN|KAF4894264.1 CVIN|KAF4910484.1 CVIN|KAF4920760.1 CVYL|A00776 CVYL|A05167 FGRM|XP\_011317545.1 FGRM|XP\_011319602.1 FGRM|XP\_011320823.1 FGRM|XP\_011324390.1 MGRA|XP\_003852469.1 MGRA|XP\_003852470.1 MORY|QBZ60289.1 NCRA|XP\_011392821.1

>Orthogroup576: ANID|CBF70497.1 ANID|CBF85703.1 BCIN|XP\_001557886.1 BCIN|XP\_024547937.1 BGRA|VDB84440.1 CFRU|XP\_031879194.1 CFRU|XP\_031891311.1 CGLO|KAF3804695.1 CGLO|KAF3807114.1 CHIG|XP\_018159764.1 CHIG|XP\_018161765.1 CVIN|KAF4919060.1 CVIN|KAF4923385.1 CVYL|A05190 CVYL|A06398 FGRM|XP\_011321505.1 FGRM|XP\_011323280.1 MGRA|XP\_003850124.1 MGRA|XP\_003855795.1 MLAR|XP\_007404804.1 MORY|QBZ62002.1 NCRA|XP\_956782.2 NCRA|XP\_959093.1 SSCL|APA08275.1 SSCL|APA12791.1

>Orthogroup577: ANID|CBF70510.1 BCIN|XP\_001560935.1 BCIN|XP\_024551513.1 BCIN|XP\_024551697.1 CFRU|XP\_031879621.1 CFRU|XP\_031884958.1 CFRU|XP\_031890521.1 CGLO|KAF3800977.1 CGLO|KAF3802724.1 CGLO|KAF3806759.1 CGLO|KAF3806823.1 CHIG|XP\_018153232.1 CVIN|KAF4913259.1 CVYL|A05928 FGRM|XP\_011316672.1 FGRM|XP\_011321418.1 FGRM|XP\_011321612.1 FGRM|XP\_011321823.1 FGRM|XP\_011327381.1 MGRA|XP\_003851995.1 MORY|QBZ63605.1 MORY|QBZ65007.1 NCRA|XP\_958170.1 NCRA|XP\_963697.2 SSCL|APA06797.1

>Orthogroup578: ANID|CBF71503.1 ANID|CBF80372.1 ANID|CBF81916.1 ANID|CBF81997.1 BCIN|XP\_001555351.2 CFRU|XP\_031884028.1 CFRU|XP\_031884781.1 CFRU|XP\_031889477.1 CGLO|KAF3805001.1 CGLO|KAF3808855.1 CGLO|KAF3812120.1 CHIG|XP\_018155757.1 CHIG|XP\_018163504.1 CVIN|KAF4893846.1 CVIN|KAF4927083.1 CVYL|A01225 FGRM|XP\_011325847.1 MGRA|XP\_003847532.1 MGRA|XP\_003847547.1 MGRA|XP\_003854627.1 MGRA|XP\_003855119.1 MLAR|XP\_007418913.1 MLAR|XP\_007418915.1 NCRA|XP\_964140.2 SSCL|APA08471.1

>Orthogroup579: ANID|CBF71657.1 ANID|CBF75070.1 ANID|CBF86324.1 BCIN|XP\_001557956.1 BCIN|XP\_024546142.1 BCIN|XP\_024551876.1 BCIN|XP\_024551891.1 CFRU|XP\_031882869.1 CFRU|XP\_031885422.1 CFRU|XP\_031891139.1 CGLO|KAF3797941.1 CGLO|KAF3803347.1 CGLO|KAF3806491.1 CHIG|XP\_018157527.1 CVIN|KAF4919460.1 CVYL|A09377 FGRM|XP\_011325212.1 FGRM|XP\_011325957.1 FGRM|XP\_011328143.1 MGRA|XP\_003853618.1 MORY|QBZ58746.1 NCRA|XP\_956147.3 SSCL|APA05385.1 SSCL|APA06239.1 SSCL|APA12672.1

>Orthogroup580: ANID|CBF73635.1 ANID|CBF73637.1 ANID|CBF74110.1 ANID|CBF74956.1 ANID|CBF74958.1 ANID|CBF75922.1 ANID|CBF77664.1 ANID|CBF78260.1 ANID|CBF78717.1 ANID|CBF78884.1 ANID|CBF79095.1 ANID|CBF79097.1 ANID|CBF80044.1 ANID|CBF80200.1 ANID|CBF82905.1 ANID|CBF83687.1 ANID|CBF83995.1 ANID|CBF83997.1 ANID|CBF84144.1 ANID|CBF84165.1 ANID|CBF84167.1 ANID|CBF84258.1 ANID|CBF89115.1 ANID|CBF89628.1 MORY|QBZ66713.1

>Orthogroup581: ANID|CBF73730.1 BCIN|XP\_024551840.1 CFRU|XP\_031877898.1 CFRU|XP\_031884084.1 CFRU|XP\_031886168.1 CFRU|XP\_031886170.1 CGLO|KAF3806567.1 CGLO|KAF3810894.1 CGLO|KAF3811999.1 CHIG|XP\_018154920.1 CHIG|XP\_018157693.1 CVIN|KAF4916368.1 CVIN|KAF4920459.1 CVIN|KAF4930356.1 CVYL|A02249 CVYL|A09301 FGRM|XP\_011315739.1 FGRM|XP\_011317726.1 FGRM|XP\_011318267.1 FGRM|XP\_011321909.1 FGRM|XP\_011322193.1 FGRM|XP\_011325973.1 FGRM|XP\_011326285.1 MGRA|XP\_003848925.1 SSCL|APA14752.1

>Orthogroup582: ANID|CBF73820.1 ANID|CBF89927.1 BCIN|XP\_001558072.1 BCIN|XP\_024547397.1 BCIN|XP\_024548535.1 BGRA|VDB92756.1 CFRU|XP\_031880866.1 CFRU|XP\_031890014.1 CGLO|KAF3806867.1 CHIG|XP\_018151328.1 CHIG|XP\_018159558.1 CVIN|KAF4900573.1 CVIN|KAF4916925.1 CVYL|A02513 CVYL|A09240 FGRM|XP\_011324217.1 FGRM|XP\_011328573.1 MGRA|XP\_003850634.1 MGRA|XP\_003852351.1 MLAR|XP\_007415827.1 MORY|QBZ56266.1 NCRA|XP\_011394211.1 NCRA|XP\_956097.1 SSCL|APA12935.1 SSCL|APA14408.1

>Orthogroup583: ANID|CBF74369.1 BCIN|XP\_024551661.1 CFRU|XP\_031879938.1 CFRU|XP\_031885423.1 CFRU|XP\_031890771.1 CGLO|KAF3798988.1 CGLO|KAF3801528.1 CHIG|XP\_018151945.1 CHIG|XP\_018152881.1 CHIG|XP\_018157526.1 CVIN|KAF4898151.1 CVIN|KAF4919459.1 CVIN|KAF4923498.1 CVYL|A07907 CVYL|A09378 CVYL|A12608 FGRM|XP\_011328013.1 MGRA|XP\_003849973.1 MGRA|XP\_003855242.1 MORY|QBZ61749.1 MORY|QBZ64028.1 MORY|QBZ66315.1 NCRA|XP\_958377.2 SSCL|APA08744.1 SSCL|APA14793.1

>Orthogroup584: ANID|CBF74556.1 ANID|CBF82481.1 ANID|CBF87339.1 BCIN|XP\_024548248.1 CFRU|XP\_031877143.1 CFRU|XP\_031877348.1 CFRU|XP\_031879274.1 CGLO|KAF3799900.1 CGLO|KAF3804017.1 CGLO|KAF3808626.1 CHIG|XP\_018153772.1 CHIG|XP\_018161888.1 CVIN|KAF4906962.1 CVIN|KAF4921717.1 CVIN|KAF4925132.1 CVIN|KAF4926186.1 CVYL|A08787 CVYL|A12222 FGRM|XP\_011322879.1 FGRM|XP\_011327713.1 MGRA|XP\_003853795.1 MGRA|XP\_003855612.1 MORY|QBZ63155.1 NCRA|XP\_958351.2 SSCL|APA12714.1

>Orthogroup585: ANID|CBF74897.1 ANID|CBF81437.1 ANID|CBF87529.1 BCIN|XP\_024547247.1 BCIN|XP\_024551216.1 BGRA|VDB89029.1 CFRU|XP\_031879218.1 CFRU|XP\_031882039.1 CHIG|XP\_018159683.1 CHIG|XP\_018164516.1 CVIN|KAF4907019.1 CVIN|KAF4920261.1 CVYL|A06309 CVYL|A07361 FGRM|XP\_011318027.1 FGRM|XP\_011324999.1 MGRA|XP\_003851567.1 MGRA|XP\_003853771.1 MGRA|XP\_003855772.1 MLAR|XP\_007418040.1 MORY|QBZ62352.1 NCRA|XP\_959228.1 NCRA|XP\_959556.3 SSCL|APA10134.1 SSCL|APA14194.1

>Orthogroup586: ANID|CBF74912.1 ANID|CBF81778.1 BCIN|XP\_001561347.1 CFRU|XP\_031878197.1 CFRU|XP\_031881513.1 CFRU|XP\_031889276.1 CFRU|XP\_031891240.1 CGLO|KAF3804548.1 CGLO|KAF3805768.1 CGLO|KAF3808537.1 CGLO|KAF3808867.1 CHIG|XP\_018160383.1 CVIN|KAF4896678.1 CVIN|KAF4910017.1 CVIN|KAF4917623.1 CVIN|KAF4924532.1 CVIN|KAF4926624.1 CVYL|A00318 CVYL|A01214 CVYL|A11607 FGRM|XP\_011323294.1 MORY|QBZ53544.1 MORY|QBZ64372.1 MORY|QBZ64373.1 NCRA|XP\_956433.3

>Orthogroup587: ANID|CBF75968.1 ANID|CBF80729.1 CFRU|XP\_031876682.1 CFRU|XP\_031878029.1 CFRU|XP\_031882622.1 CFRU|XP\_031885248.1 CFRU|XP\_031891851.1 CGLO|KAF3799582.1 CGLO|KAF3801353.1 CGLO|KAF3801911.1 CGLO|KAF3803900.1 CGLO|KAF3807756.1 CHIG|XP\_018154577.1 CVIN|KAF4913310.1 CVIN|KAF4925409.1 CVIN|KAF4926510.1 CVYL|A02350 CVYL|A07728 CVYL|A08907 CVYL|A13446 FGRM|XP\_011323124.1 MORY|QBZ61630.1 MORY|QBZ64364.1 MORY|QBZ64962.1 MORY|QBZ66665.1

>Orthogroup588: ANID|CBF76195.1 ANID|CBF82879.1 ANID|CBF88923.1 BCIN|XP\_024549272.1 BCIN|XP\_024550029.1 BCIN|XP\_024553113.1 CFRU|XP\_031888973.1 CFRU|XP\_031890156.1 CFRU|XP\_031892369.1 CGLO|KAF3797285.1 CGLO|KAF3799218.1 CGLO|KAF3802851.1 CHIG|XP\_018157218.1 CHIG|XP\_018158449.1 CVIN|KAF4901005.1 CVIN|KAF4910474.1 CVYL|A05162 CVYL|A10405 FGRM|XP\_011317547.1 FGRM|XP\_011317548.1 FGRM|XP\_011321097.1 FGRM|XP\_011327950.1 MGRA|XP\_003850361.1 MGRA|XP\_003855301.1 SSCL|APA16334.1

>Orthogroup589: ANID|CBF76251.1 ANID|CBF85440.1 BGRA|VCU40100.1 CFRU|XP\_031886321.1 CFRU|XP\_031887943.1 CFRU|XP\_031888715.1 CFRU|XP\_031892993.1 CGLO|KAF3797587.1 CGLO|KAF3806288.1 CGLO|KAF3809677.1 CHIG|XP\_018154108.1 CHIG|XP\_018164955.1 CVIN|KAF4912176.1 CVIN|KAF4918373.1 CVIN|KAF4923949.1 CVIN|KAF4925006.1 CVYL|A03401 CVYL|A03850 CVYL|A09594 CVYL|A11881 FGRM|XP\_011315849.1 FGRM|XP\_011318617.1 FGRM|XP\_011324474.1 MGRA|XP\_003851376.1 NCRA|XP\_959850.3

>Orthogroup590: ANID|CBF77114.1 ANID|CBF83215.1 BCIN|XP\_024546129.1 BCIN|XP\_024546783.1 CFRU|XP\_031881712.1 CFRU|XP\_031883822.1 CFRU|XP\_031892444.1 CFRU|XP\_031893403.1 CGLO|KAF3797207.1 CGLO|KAF3805137.1 CGLO|KAF3805364.1 CGLO|KAF3808396.1 CHIG|XP\_018156749.1 CVIN|KAF4907234.1 CVIN|KAF4916828.1 CVIN|KAF4920813.1 CVIN|KAF4927459.1 CVYL|A06419 CVYL|A09556 CVYL|A10490 CVYL|A11013 MGRA|XP\_003848524.1 MLAR|XP\_007417976.1 NCRA|XP\_965426.1 SSCL|APA06655.1

>Orthogroup591: ANID|CBF77135.1 BCIN|XP\_001552728.1 BCIN|XP\_024550912.1 BGRA|VDB92916.1 CFRU|XP\_031887850.1 CFRU|XP\_031890937.1 CGLO|KAF3801559.1 CGLO|KAF3802189.1 CHIG|XP\_018154313.1 CHIG|XP\_018162712.1 CVIN|KAF4921098.1 CVYL|A03204 CVYL|A12575 FGRM|XP\_011320268.1 MLAR|XP\_007407215.1 MLAR|XP\_007407272.1 MLAR|XP\_007407800.1 MLAR|XP\_007411135.1 MLAR|XP\_007417115.1 MLAR|XP\_007418146.1 MORY|QBZ60532.1 MORY|QBZ65885.1 NCRA|XP\_959137.1 SSCL|APA11814.1 SSCL|APA14067.1

>Orthogroup592: ANID|CBF78048.1 ANID|CBF84160.1 ANID|CBF85184.1 ANID|CBF86716.1 ANID|CBF89384.1 BCIN|XP\_001546003.1 BCIN|XP\_024549510.1 CFRU|XP\_031883207.1 CFRU|XP\_031892850.1 CGLO|KAF3797049.1 CGLO|KAF3801776.1 CGLO|KAF3808280.1 CHIG|XP\_018153794.1 CHIG|XP\_018156997.1 CVIN|KAF4908011.1 CVIN|KAF4924054.1 CVYL|A00617 CVYL|A10655 FGRM|XP\_011319297.1 FGRM|XP\_011325266.1 FGRM|XP\_011328553.1 MLAR|XP\_007412638.1 NCRA|XP\_959119.3 SSCL|APA06510.1 SSCL|APA08273.1

>Orthogroup593: ANID|CBF78114.1 ANID|CBF81477.1 ANID|CBF88120.1 CFRU|XP\_031879734.1 CFRU|XP\_031879936.1 CGLO|KAF3798225.1 CGLO|KAF3798986.1 CHIG|XP\_018150770.1 CHIG|XP\_018154020.1 CVIN|KAF4892846.1 CVIN|KAF4916810.1 CVIN|KAF4923450.1 CVYL|A04897 CVYL|A07905 FGRM|XP\_011322635.1 FGRM|XP\_011323368.1 FGRM|XP\_011325120.1 FGRM|XP\_011325589.1 FGRM|XP\_011327586.1 MGRA|XP\_003854584.1 MLAR|XP\_007404915.1 MLAR|XP\_007405450.1 MLAR|XP\_007407845.1 MORY|QBZ60016.1 MORY|QBZ63729.1

>Orthogroup594: ANID|CBF78451.1 ANID|CBF84695.1 BCIN|XP\_024548063.1 BCIN|XP\_024548362.1 BCIN|XP\_024552193.1 BGRA|VDB93054.1 CFRU|XP\_031876709.1 CFRU|XP\_031885493.1 CGLO|KAF3798681.1 CGLO|KAF3799520.1 CHIG|XP\_018154509.1 CHIG|XP\_018157475.1 CVIN|KAF4918494.1 CVIN|KAF4931764.1 CVYL|A09419 CVYL|A13380 FGRM|XP\_011324928.1 FGRM|XP\_011325918.1 MGRA|XP\_003852428.1 MLAR|XP\_007407919.1 MORY|QBZ62081.1 NCRA|XP\_956966.2 SSCL|APA12357.1 SSCL|APA12726.1 SSCL|APA13257.1

>Orthogroup595: ANID|CBF79164.1 ANID|CBF85281.1 BCIN|XP\_001548426.1 CFRU|XP\_031883522.1 CFRU|XP\_031883867.1 CFRU|XP\_031885240.1 CFRU|XP\_031889520.1 CGLO|KAF3804972.1 CGLO|KAF3805899.1 CGLO|KAF3807712.1 CGLO|KAF3810834.1 CHIG|XP\_018155035.1 CHIG|XP\_018156696.1 CHIG|XP\_018158913.1 CVIN|KAF4911095.1 CVIN|KAF4918869.1 CVIN|KAF4920796.1 CVYL|A02304 CVYL|A07098 CVYL|A13814 MGRA|XP\_003852875.1 MORY|QBZ61233.1 MORY|QBZ65480.1 NCRA|XP\_961764.1 SSCL|APA09285.1

>Orthogroup596: ANID|CBF79166.1 ANID|CBF79534.1 ANID|CBF81475.1 BCIN|XP\_001561234.2 BCIN|XP\_024546000.1 CFRU|XP\_031876808.1 CFRU|XP\_031885874.1 CFRU|XP\_031886746.1 CGLO|KAF3797961.1 CGLO|KAF3801158.1 CGLO|KAF3807512.1 CHIG|XP\_018158012.1 CHIG|XP\_018158791.1 CVIN|KAF4911047.1 CVIN|KAF4914942.1 CVIN|KAF4917523.1 CVYL|A05034 CVYL|A05688 CVYL|A11237 FGRM|XP\_011317564.1 FGRM|XP\_011322986.1 FGRM|XP\_011323370.1 MORY|QBZ61231.1 MORY|QBZ65190.1 SSCL|APA07225.1

>Orthogroup597: ANID|CBF79358.1 ANID|CBF79360.1 BCIN|XP\_024548144.1 BCIN|XP\_024548146.1 BGRA|VDB93323.1 BGRA|VDB93329.1 CFRU|XP\_031876405.1 CFRU|XP\_031876406.1 CGLO|KAF3797776.1 CHIG|XP\_018156445.1 CHIG|XP\_018156446.1 CVIN|KAF4918825.1 CVIN|KAF4918832.1 CVYL|A02995 CVYL|A02996 FGRM|XP\_011318769.1 FGRM|XP\_011318770.1 MGRA|XP\_003851508.1 MGRA|XP\_003851710.1 MORY|QBZ63531.1 MORY|QBZ63532.1 NCRA|XP\_011395053.1 NCRA|XP\_956579.2 SSCL|APA12380.1 SSCL|APA12381.1

>Orthogroup598: ANID|CBF80430.1 BCIN|XP\_001546501.1 BCIN|XP\_024548576.1 BCIN|XP\_024548905.1 BCIN|XP\_024549077.1 CFRU|XP\_031877367.1 CFRU|XP\_031879588.1 CFRU|XP\_031883257.1 CGLO|KAF3799868.1 CGLO|KAF3801707.1 CGLO|KAF3802781.1 CHIG|XP\_018153824.1 CVIN|KAF4912204.1 CVIN|KAF4915649.1 CVIN|KAF4921707.1 CVYL|A07994 CVYL|A09649 CVYL|A12991 FGRM|XP\_011320386.1 MGRA|XP\_003850066.1 MORY|QBZ58418.1 SSCL|APA07193.1 SSCL|APA08095.1 SSCL|APA08411.1 SSCL|APA15862.1

>Orthogroup599: ANID|CBF82042.1 BCIN|XP\_024548524.1 BGRA|VCU40415.1 CFRU|XP\_031875743.1 CFRU|XP\_031876761.1 CFRU|XP\_031882524.1 CGLO|KAF3797765.1 CGLO|KAF3800485.1 CGLO|KAF3802366.1 CHIG|XP\_018152278.1 CHIG|XP\_018152519.1 CHIG|XP\_018156434.1 CVIN|KAF4906669.1 CVIN|KAF4913568.1 CVIN|KAF4918797.1 CVYL|A02981 CVYL|A13228 FGRM|XP\_011318781.1 FGRM|XP\_011323679.1 MGRA|XP\_003857270.1 MORY|QBZ54416.1 MORY|QBZ57720.1 NCRA|XP\_956809.1 NCRA|XP\_960074.1 SSCL|APA12107.1

>Orthogroup600: ANID|CBF82095.1 ANID|CBF89292.1 CFRU|XP\_031885868.1 CFRU|XP\_031885871.1 CFRU|XP\_031886015.1 CFRU|XP\_031886021.1 CGLO|KAF3806571.1 CGLO|KAF3806598.1 CHIG|XP\_018157610.1 CHIG|XP\_018157639.1 CHIG|XP\_018158167.1 CVIN|KAF4916906.1 CVIN|KAF4920453.1 CVYL|A05781 CVYL|A09268 CVYL|A09296 FGRM|XP\_011324227.1 MGRA|XP\_003848342.1 MGRA|XP\_003851825.1 MORY|QBZ53437.1 MORY|QBZ54776.1 MORY|QBZ58491.1 MORY|QBZ58492.1 NCRA|XP\_962613.2 NCRA|XP\_963055.3

>Orthogroup601: ANID|CBF82115.1 ANID|CBF85269.1 BCIN|XP\_001545952.1 BCIN|XP\_024549227.1 BGRA|VDB90809.1 CFRU|XP\_031882739.1 CFRU|XP\_031884785.1 CGLO|KAF3803420.1 CGLO|KAF3812123.1 CHIG|XP\_018163903.1 CVIN|KAF4910004.1 CVIN|KAF4918418.1 CVYL|A00275 CVYL|A14350 FGRM|XP\_011316261.1 FGRM|XP\_011316871.1 MGRA|XP\_003848594.1 MGRA|XP\_003850733.1 MORY|QBZ56437.1 MORY|QBZ63783.1 NCRA|XP\_011393025.1 NCRA|XP\_965397.3 SSCL|APA07040.1 SSCL|APA07041.1 SSCL|APA08987.1

>Orthogroup602: ANID|CBF83277.1 BCIN|XP\_024548595.1 CFRU|XP\_031879950.1 CFRU|XP\_031882105.1 CGLO|KAF3798936.1 CGLO|KAF3798937.1 CGLO|KAF3806120.1 CHIG|XP\_018152878.1 CHIG|XP\_018155085.1 CHIG|XP\_018164548.1 CVIN|KAF4898133.1 CVIN|KAF4911014.1 CVYL|A07390 CVYL|A07854 FGRM|XP\_011315612.1 FGRM|XP\_011315908.1 FGRM|XP\_011322017.1 FGRM|XP\_011322736.1 FGRM|XP\_011322849.1 FGRM|XP\_011324326.1 FGRM|XP\_011328746.1 MGRA|XP\_003847866.1 MGRA|XP\_003847877.1 MGRA|XP\_003848225.1 SSCL|APA09800.1

>Orthogroup603: ANID|CBF83906.1 BCIN|XP\_024547482.1 BCIN|XP\_024552370.1 BCIN|XP\_024552832.1 CFRU|XP\_031883968.1 CGLO|KAF3805124.1 CGLO|KAF3807803.1 CHIG|XP\_018153830.1 CHIG|XP\_018163392.1 CVIN|KAF4927482.1 CVYL|A06003 CVYL|A06432 CVYL|A06433 FGRM|XP\_011321164.1 FGRM|XP\_011324833.1 MORY|QBZ57855.1 MORY|QBZ65465.1 NCRA|XP\_011394008.1 NCRA|XP\_011394942.1 NCRA|XP\_959087.1 NCRA|XP\_962462.2 NCRA|XP\_963964.2 SSCL|APA07622.1 SSCL|APA07657.1 SSCL|APA13225.1

>Orthogroup604: ANID|CBF84309.1 BCIN|XP\_024549122.1 BCIN|XP\_024550352.1 BCIN|XP\_024551131.1 BCIN|XP\_024551954.1 CFRU|XP\_031876454.1 CFRU|XP\_031890062.1 CGLO|KAF3797998.1 CGLO|KAF3798763.1 CHIG|XP\_018151247.1 CHIG|XP\_018156488.1 CVIN|KAF4893180.1 CVIN|KAF4912775.1 CVYL|A08358 CVYL|A09157 FGRM|XP\_011319289.1 FGRM|XP\_011319757.1 FGRM|XP\_011322185.1 FGRM|XP\_011322950.1 FGRM|XP\_011323195.1 MGRA|XP\_003851046.1 MGRA|XP\_003855303.1 NCRA|XP\_958003.2 SSCL|APA06570.1 SSCL|APA12081.1

>Orthogroup605: ANID|CBF84510.1 ANID|CBF86418.1 ANID|CBF86758.1 BCIN|XP\_001552242.1 CFRU|XP\_031880294.1 CFRU|XP\_031884792.1 CFRU|XP\_031890616.1 CGLO|KAF3797967.1 CGLO|KAF3800955.1 CGLO|KAF3805306.1 CGLO|KAF3808931.1 CHIG|XP\_018158753.1 CVIN|KAF4912791.1 CVIN|KAF4920741.1 CVIN|KAF4925976.1 CVYL|A01157 CVYL|A05949 CVYL|A13959 FGRM|XP\_011315662.1 FGRM|XP\_011316657.1 FGRM|XP\_011327508.1 MGRA|XP\_003851270.1 MGRA|XP\_003853860.1 MORY|QBZ55026.1 SSCL|APA12912.1

>Orthogroup606: ANID|CBF84702.1 BCIN|XP\_001549465.1 CFRU|XP\_031883381.1 CFRU|XP\_031884663.1 CFRU|XP\_031890989.1 CGLO|KAF3799684.1 CGLO|KAF3800517.1 CGLO|KAF3801517.1 CHIG|XP\_018151935.1 CHIG|XP\_018152174.1 CHIG|XP\_018156553.1 CHIG|XP\_018158275.1 CVIN|KAF4898145.1 CVIN|KAF4919238.1 CVIN|KAF4919965.1 CVYL|A05847 CVYL|A12616 CVYL|A13197 FGRM|XP\_011317543.1 FGRM|XP\_011322855.1 MGRA|XP\_003849726.1 MGRA|XP\_003852980.1 MORY|QBZ53925.1 NCRA|XP\_956623.3 SSCL|APA16238.1

>Orthogroup607: ANID|CBF84847.1 BCIN|XP\_024551545.1 BCIN|XP\_024551569.1 BCIN|XP\_024552982.1 BCIN|XP\_024553551.1 BGRA|VDB83870.1 CFRU|XP\_031888301.1 CFRU|XP\_031892715.1 CGLO|KAF3797074.1 CGLO|KAF3803527.1 CHIG|XP\_018164076.1 CVIN|KAF4899036.1 CVIN|KAF4922235.1 CVYL|A10635 CVYL|A14458 FGRM|XP\_011318760.1 FGRM|XP\_011322103.1 FGRM|XP\_011326781.1 MGRA|XP\_003847949.1 MORY|QBZ62804.1 MORY|QBZ64323.1 NCRA|XP\_011392827.1 NCRA|XP\_965452.2 SSCL|APA13867.1 SSCL|APA14884.1

>Orthogroup608: ANID|CBF86413.1 ANID|CBF86442.1 BCIN|XP\_001560357.1 BCIN|XP\_001561196.1 BGRA|VCU39102.1 CFRU|XP\_031887573.1 CFRU|XP\_031887574.1 CGLO|KAF3811623.1 CHIG|XP\_018160895.1 CVIN|KAF4921425.1 CVIN|KAF4921467.1 CVYL|A03481 CVYL|A03482 FGRM|XP\_011328158.1 FGRM|XP\_011328159.1 MGRA|XP\_003853881.1 MGRA|XP\_003854375.1 MLAR|XP\_007404987.1 MLAR|XP\_007411063.1 MORY|QBZ56583.1 MORY|QBZ56584.1 NCRA|XP\_961983.1 NCRA|XP\_961984.1 SSCL|APA07082.1 SSCL|APA08802.1

>Orthogroup609: ANID|CBF86462.1 BCIN|XP\_024551468.1 BGRA|VCU40714.1 CFRU|XP\_031880283.1 CFRU|XP\_031885982.1 CFRU|XP\_031886811.1 CGLO|KAF3801205.1 CGLO|KAF3808951.1 CGLO|KAF3811982.1 CHIG|XP\_018155258.1 CHIG|XP\_018162491.1 CVIN|KAF4920722.1 CVIN|KAF4920763.1 CVIN|KAF4930348.1 CVIN|KAF4932038.1 CVYL|A01144 CVYL|A05526 CVYL|A07127 FGRM|XP\_011324104.1 FGRM|XP\_011326395.1 MGRA|XP\_003855405.1 MLAR|XP\_007406308.1 MORY|QBZ56492.1 NCRA|XP\_011393979.1 SSCL|APA10426.1

>Orthogroup610: ANID|CBF86818.1 ANID|CBF88882.1 BCIN|XP\_024550815.1 BCIN|XP\_024551361.1 BGRA|VCU41075.1 CFRU|XP\_031889254.1 CFRU|XP\_031892981.1 CGLO|KAF3808717.1 CHIG|XP\_018152386.1 CHIG|XP\_018155545.1 CVIN|KAF4898435.1 CVIN|KAF4929564.1 CVYL|A00943 CVYL|A09488 FGRM|XP\_011317722.1 FGRM|XP\_011319276.1 MGRA|XP\_003856013.1 MLAR|XP\_007405418.1 MLAR|XP\_007405713.1 MORY|QBZ54457.1 MORY|QBZ59255.1 NCRA|XP\_958372.1 NCRA|XP\_961278.2 SSCL|APA10475.1 SSCL|APA11831.1

>Orthogroup611: BCIN|XP\_024546186.1 CFRU|XP\_031875674.1 CFRU|XP\_031883712.1 CFRU|XP\_031884862.1 CFRU|XP\_031893073.1 CGLO|KAF3797655.1 CGLO|KAF3801033.1 CGLO|KAF3808380.1 CGLO|KAF3810866.1 CHIG|XP\_018152513.1 CHIG|XP\_018154958.1 CHIG|XP\_018155429.1 CHIG|XP\_018156791.1 CVIN|KAF4897556.1 CVIN|KAF4908686.1 CVIN|KAF4916847.1 CVIN|KAF4919382.1 CVYL|A01115 CVYL|A02280 CVYL|A09540 FGRM|XP\_011318640.1 FGRM|XP\_011323247.1 FGRM|XP\_011325842.1 MORY|QBZ53379.1 NCRA|XP\_962264.3

>Orthogroup612: BCIN|XP\_001550242.1 BCIN|XP\_024546762.1 BCIN|XP\_024549536.1 CFRU|XP\_031877233.1 CFRU|XP\_031878827.1 CFRU|XP\_031884202.1 CFRU|XP\_031884321.1 CFRU|XP\_031893486.1 CGLO|KAF3800004.1 CGLO|KAF3802010.1 CGLO|KAF3808050.1 CGLO|KAF3810287.1 CHIG|XP\_018152753.1 CVIN|KAF4911601.1 CVIN|KAF4918613.1 CVIN|KAF4919777.1 CVIN|KAF4922818.1 CVYL|A01904 CVYL|A02436 CVYL|A08182 CVYL|A10220 FGRM|XP\_011322139.1 MORY|QBZ58594.1 NCRA|XP\_956347.1 SSCL|APA09100.1

>Orthogroup613: BCIN|XP\_024546849.1 BCIN|XP\_024549617.1 BCIN|XP\_024553849.1 CFRU|XP\_031884747.1 CFRU|XP\_031886147.1 CFRU|XP\_031892992.1 CGLO|KAF3801001.1 CGLO|KAF3802771.1 CGLO|KAF3809678.1 CGLO|KAF3811976.1 CHIG|XP\_018152506.1 CHIG|XP\_018153960.1 CHIG|XP\_018154068.1 CHIG|XP\_018156524.1 CVIN|KAF4912997.1 CVIN|KAF4924999.1 CVYL|A05904 CVYL|A08098 CVYL|A09593 FGRM|XP\_011320908.1 MGRA|XP\_003853617.1 NCRA|XP\_961663.1 SSCL|APA10680.1 SSCL|APA11827.1 SSCL|APA13287.1

>Orthogroup614: BCIN|XP\_001557780.2 BCIN|XP\_024548490.1 CFRU|XP\_031884494.1 CFRU|XP\_031884501.1 CFRU|XP\_031884502.1 CFRU|XP\_031884503.1 CGLO|KAF3810315.1 CGLO|KAF3810316.1 CHIG|XP\_018158345.1 CVIN|KAF4891713.1 CVIN|KAF4913305.1 CVYL|A05787 CVYL|A05789 FGRM|XP\_011316496.1 MGRA|XP\_003850630.1 MORY|QBZ55132.1 NCRA|XP\_011394013.1 NCRA|XP\_957294.1 NCRA|XP\_959088.2 NCRA|XP\_959089.1 NCRA|XP\_959091.1 SSCL|APA12163.1 SSCL|APA12164.1 SSCL|APA12165.1 SSCL|APA12166.1

>Orthogroup615: BCIN|XP\_001558156.2 BCIN|XP\_001559563.1 CFRU|XP\_031875780.1 CFRU|XP\_031884834.1 CFRU|XP\_031893210.1 CGLO|KAF3797585.1 CGLO|KAF3809502.1 CGLO|KAF3812216.1 CHIG|XP\_018151256.1 CHIG|XP\_018152666.1 CHIG|XP\_018154110.1 CVIN|KAF4912180.1 CVIN|KAF4920983.1 CVIN|KAF4921257.1 CVYL|A00167 CVYL|A03403 CVYL|A10071 FGRM|XP\_011321949.1 FGRM|XP\_011322884.1 FGRM|XP\_011323337.1 FGRM|XP\_011324598.1 MORY|QBZ54458.1 MORY|QBZ58145.1 MORY|QBZ60201.1 SSCL|APA09589.1

>Orthogroup616: BCIN|XP\_001550672.1 BCIN|XP\_024549023.1 CFRU|XP\_031882328.1 CFRU|XP\_031888552.1 CFRU|XP\_031891459.1 CGLO|KAF3803610.1 CGLO|KAF3804369.1 CGLO|KAF3804515.1 CHIG|XP\_018151675.1 CHIG|XP\_018152837.1 CHIG|XP\_018159473.1 CHIG|XP\_018160159.1 CHIG|XP\_018163852.1 CVIN|KAF4918333.1 CVIN|KAF4920385.1 CVIN|KAF4924516.1 CVYL|A04047 CVYL|A04232 CVYL|A14544 FGRM|XP\_011322261.1 MLAR|XP\_007406856.1 MORY|QBZ57754.1 MORY|QBZ63850.1 NCRA|XP\_964220.2 SSCL|APA09335.1

>Orthogroup617: BCIN|XP\_001554083.1 CFRU|XP\_031878096.1 CFRU|XP\_031878918.1 CFRU|XP\_031882333.1 CFRU|XP\_031883459.1 CFRU|XP\_031886454.1 CFRU|XP\_031891147.1 CGLO|KAF3800219.1 CGLO|KAF3804622.1 CGLO|KAF3806319.1 CGLO|KAF3807873.1 CVIN|KAF4918361.1 CVIN|KAF4919080.1 CVIN|KAF4920415.1 CVIN|KAF4922579.1 CVIN|KAF4922580.1 CVYL|A00739 CVYL|A04045 CVYL|A05260 CVYL|A11910 FGRM|XP\_011315853.1 FGRM|XP\_011319685.1 FGRM|XP\_011323180.1 FGRM|XP\_011323323.1 MGRA|XP\_003852357.1

>Orthogroup618: BCIN|XP\_001558354.1 CFRU|XP\_031879653.1 CFRU|XP\_031890471.1 CFRU|XP\_031890929.1 CGLO|KAF3798582.1 CGLO|KAF3804926.1 CGLO|KAF3811747.1 CHIG|XP\_018151793.1 CHIG|XP\_018153956.1 CHIG|XP\_018164425.1 CVIN|KAF4919403.1 CVIN|KAF4923014.1 CVIN|KAF4930111.1 CVYL|A04861 CVYL|A12128 CVYL|A12762 FGRM|XP\_011316014.1 FGRM|XP\_011320213.1 MGRA|XP\_003848364.1 MLAR|XP\_007411888.1 MLAR|XP\_007417841.1 MORY|QBZ55528.1 NCRA|XP\_957034.1 NCRA|XP\_964307.3 SSCL|APA13764.1

>Orthogroup619: BCIN|XP\_024553750.1 CFRU|XP\_031881395.1 CFRU|XP\_031886150.1 CFRU|XP\_031889190.1 CFRU|XP\_031889594.1 CGLO|KAF3799296.1 CGLO|KAF3805739.1 CGLO|KAF3808773.1 CHIG|XP\_018150719.1 CHIG|XP\_018152532.1 CHIG|XP\_018159870.1 CHIG|XP\_018161721.1 CVIN|KAF4911347.1 CVIN|KAF4918219.1 CVIN|KAF4918659.1 CVIN|KAF4924754.1 CVIN|KAF4930371.1 CVYL|A00890 CVYL|A05704 CVYL|A09804 CVYL|A11636 CVYL|A13880 FGRM|XP\_011325158.1 FGRM|XP\_011325867.1 NCRA|XP\_965579.2

>Orthogroup620: MLAR|XP\_007403696.1 MLAR|XP\_007404180.1 MLAR|XP\_007405741.1 MLAR|XP\_007408200.1 MLAR|XP\_007408455.1 MLAR|XP\_007409073.1 MLAR|XP\_007409192.1 MLAR|XP\_007409410.1 MLAR|XP\_007409618.1 MLAR|XP\_007410133.1 MLAR|XP\_007410215.1 MLAR|XP\_007410519.1 MLAR|XP\_007411816.1 MLAR|XP\_007412132.1 MLAR|XP\_007412902.1 MLAR|XP\_007414406.1 MLAR|XP\_007414407.1 MLAR|XP\_007415114.1 MLAR|XP\_007415115.1 MLAR|XP\_007415138.1 MLAR|XP\_007415729.1 MLAR|XP\_007416570.1 MLAR|XP\_007418160.1 MLAR|XP\_007418710.1 MLAR|XP\_007418968.1

>Orthogroup621: MLAR|XP\_007403647.1 MLAR|XP\_007404509.1 MLAR|XP\_007405059.1 MLAR|XP\_007405472.1 MLAR|XP\_007405646.1 MLAR|XP\_007405650.1 MLAR|XP\_007406394.1 MLAR|XP\_007407102.1 MLAR|XP\_007408103.1 MLAR|XP\_007411067.1 MLAR|XP\_007411092.1 MLAR|XP\_007412056.1 MLAR|XP\_007412612.1 MLAR|XP\_007414241.1 MLAR|XP\_007414249.1 MLAR|XP\_007414252.1 MLAR|XP\_007414704.1 MLAR|XP\_007414858.1 MLAR|XP\_007417121.1 MLAR|XP\_007417796.1 MLAR|XP\_007418447.1 MLAR|XP\_007418468.1 MLAR|XP\_007418545.1 MLAR|XP\_007418567.1 MLAR|XP\_007418725.1

>Orthogroup622: MLAR|XP\_007403975.1 MLAR|XP\_007405295.1 MLAR|XP\_007406241.1 MLAR|XP\_007406977.1 MLAR|XP\_007407058.1 MLAR|XP\_007407651.1 MLAR|XP\_007408845.1 MLAR|XP\_007409609.1 MLAR|XP\_007409701.1 MLAR|XP\_007410046.1 MLAR|XP\_007410556.1 MLAR|XP\_007411629.1 MLAR|XP\_007411833.1 MLAR|XP\_007412153.1 MLAR|XP\_007413488.1 MLAR|XP\_007415421.1 MLAR|XP\_007416474.1 MLAR|XP\_007416852.1 MLAR|XP\_007417762.1 MLAR|XP\_007418073.1 MLAR|XP\_007418513.1 MLAR|XP\_007418955.1 MLAR|XP\_007419506.1 MLAR|XP\_007419751.1 MLAR|XP\_007419761.1

>Orthogroup623: MLAR|XP\_007404364.1 MLAR|XP\_007404688.1 MLAR|XP\_007404690.1 MLAR|XP\_007404691.1 MLAR|XP\_007404692.1 MLAR|XP\_007404694.1 MLAR|XP\_007404695.1 MLAR|XP\_007404704.1 MLAR|XP\_007404708.1 MLAR|XP\_007404710.1 MLAR|XP\_007404971.1 MLAR|XP\_007407020.1 MLAR|XP\_007407127.1 MLAR|XP\_007407227.1 MLAR|XP\_007407228.1 MLAR|XP\_007409248.1 MLAR|XP\_007409249.1 MLAR|XP\_007413339.1 MLAR|XP\_007415348.1 MLAR|XP\_007416235.1 MLAR|XP\_007416992.1 MLAR|XP\_007417562.1 MLAR|XP\_007417575.1 MLAR|XP\_007419072.1 MLAR|XP\_007419489.1

>Orthogroup624: MLAR|XP\_007404701.1 MLAR|XP\_007404930.1 MLAR|XP\_007405643.1 MLAR|XP\_007406654.1 MLAR|XP\_007407569.1 MLAR|XP\_007408001.1 MLAR|XP\_007408094.1 MLAR|XP\_007408211.1 MLAR|XP\_007408839.1 MLAR|XP\_007408846.1 MLAR|XP\_007408910.1 MLAR|XP\_007409730.1 MLAR|XP\_007410910.1 MLAR|XP\_007411569.1 MLAR|XP\_007411961.1 MLAR|XP\_007414903.1 MLAR|XP\_007415422.1 MLAR|XP\_007415731.1 MLAR|XP\_007416701.1 MLAR|XP\_007417089.1 MLAR|XP\_007417194.1 MLAR|XP\_007417743.1 MLAR|XP\_007418713.1 MLAR|XP\_007418714.1 MLAR|XP\_007419454.1

>Orthogroup625: MLAR|XP\_007405255.1 MLAR|XP\_007405544.1 MLAR|XP\_007405545.1 MLAR|XP\_007406074.1 MLAR|XP\_007407093.1 MLAR|XP\_007407546.1 MLAR|XP\_007408210.1 MLAR|XP\_007408838.1 MLAR|XP\_007408909.1 MLAR|XP\_007409763.1 MLAR|XP\_007411299.1 MLAR|XP\_007411360.1 MLAR|XP\_007411568.1 MLAR|XP\_007412106.1 MLAR|XP\_007413249.1 MLAR|XP\_007414397.1 MLAR|XP\_007415199.1 MLAR|XP\_007415738.1 MLAR|XP\_007415876.1 MLAR|XP\_007416142.1 MLAR|XP\_007416150.1 MLAR|XP\_007416687.1 MLAR|XP\_007418712.1 MLAR|XP\_007419536.1 MLAR|XP\_007419612.1

>Orthogroup626: ANID|CBF69797.1 BCIN|XP\_024549854.1 BCIN|XP\_024549855.1 BGRA|VCU40166.1 BGRA|VCU40167.1 CFRU|XP\_031885439.1 CFRU|XP\_031885440.1 CGLO|KAF3798660.1 CHIG|XP\_018157488.1 CHIG|XP\_018157500.1 CVIN|KAF4919455.1 CVYL|A09398 CVYL|A09399 FGRM|XP\_011323620.1 FGRM|XP\_011323621.1 MGRA|XP\_003849151.1 MGRA|XP\_003855704.1 MLAR|XP\_007408086.1 MORY|QBZ57189.1 MORY|QBZ64513.1 NCRA|XP\_961755.1 NCRA|XP\_962718.2 SSCL|APA05524.1 SSCL|APA05525.1

>Orthogroup627: ANID|CBF69803.1 ANID|CBF70356.1 BCIN|XP\_001549630.1 BCIN|XP\_024547095.1 BGRA|VCU40173.1 CFRU|XP\_031885441.1 CFRU|XP\_031885544.1 CGLO|KAF3798661.1 CHIG|XP\_018157491.1 CHIG|XP\_018157492.1 CVIN|KAF4919449.1 CVIN|KAF4919454.1 CVYL|A09400 FGRM|XP\_011323550.1 FGRM|XP\_011324785.1 MGRA|XP\_003852197.1 MGRA|XP\_003854818.1 MLAR|XP\_007410724.1 MORY|QBZ57190.1 MORY|QBZ57191.1 NCRA|XP\_962716.3 NCRA|XP\_962717.1 SSCL|APA05339.1 SSCL|APA05412.1

>Orthogroup628: ANID|CBF70018.1 BCIN|XP\_001555185.2 BCIN|XP\_024550151.1 CFRU|XP\_031879169.1 CFRU|XP\_031884637.1 CFRU|XP\_031888817.1 CFRU|XP\_031890996.1 CGLO|KAF3796967.1 CGLO|KAF3801518.1 CGLO|KAF3804242.1 CGLO|KAF3807117.1 CHIG|XP\_018153008.1 CHIG|XP\_018158003.1 CVIN|KAF4898146.1 CVIN|KAF4903960.1 CVIN|KAF4919056.1 CVIN|KAF4919057.1 CVYL|A05813 CVYL|A06401 CVYL|A12615 FGRM|XP\_011325899.1 FGRM|XP\_011328766.1 SSCL|APA09177.1 SSCL|APA10835.1

>Orthogroup629: ANID|CBF70122.1 ANID|CBF76213.1 ANID|CBF78423.1 ANID|CBF78765.1 ANID|CBF80483.1 ANID|CBF84430.1 BCIN|XP\_001547606.2 BCIN|XP\_024548247.1 CFRU|XP\_031877327.1 CFRU|XP\_031879211.1 CFRU|XP\_031888125.1 CFRU|XP\_031888132.1 CGLO|KAF3797469.1 CGLO|KAF3799894.1 CGLO|KAF3807090.1 CHIG|XP\_018153800.1 CVIN|KAF4921723.1 CVIN|KAF4924426.1 CVYL|A09626 CVYL|A10340 MGRA|XP\_003856508.1 MORY|QBZ61115.1 NCRA|XP\_958554.2 SSCL|APA12716.1

>Orthogroup630: ANID|CBF70362.1 BCIN|XP\_001545851.2 BCIN|XP\_024548956.1 BGRA|VCU40185.1 CFRU|XP\_031876722.1 CFRU|XP\_031885782.1 CGLO|KAF3798687.1 CHIG|XP\_018157468.1 CHIG|XP\_018157894.1 CVIN|KAF4892587.1 CVIN|KAF4918484.1 CVYL|A02690 CVYL|A09425 FGRM|XP\_011320212.1 FGRM|XP\_011322368.1 MGRA|XP\_003852465.1 MLAR|XP\_007404819.1 MLAR|XP\_007405256.1 MORY|QBZ56368.1 MORY|QBZ59267.1 NCRA|XP\_957457.1 NCRA|XP\_957568.1 SSCL|APA05503.1 SSCL|APA09502.1

>Orthogroup631: ANID|CBF70795.1 ANID|CBF79480.1 BCIN|XP\_001550504.1 BCIN|XP\_024553890.1 BGRA|VDB93433.1 CFRU|XP\_031886660.1 CFRU|XP\_031886661.1 CGLO|KAF3801197.1 CHIG|XP\_018162500.1 CHIG|XP\_018162501.1 CVIN|KAF4932100.1 CVIN|KAF4932101.1 CVYL|A07137 FGRM|XP\_011326956.1 FGRM|XP\_011326957.1 MGRA|XP\_003854096.1 MGRA|XP\_003854127.1 MLAR|XP\_007415526.1 MORY|QBZ55684.1 MORY|QBZ55685.1 NCRA|XP\_955799.1 NCRA|XP\_955800.1 SSCL|APA15183.1 SSCL|APA15197.1

>Orthogroup632: ANID|CBF71432.1 BCIN|XP\_001554536.1 CFRU|XP\_031878319.1 CFRU|XP\_031880990.1 CFRU|XP\_031881532.1 CFRU|XP\_031892252.1 CGLO|KAF3798038.1 CGLO|KAF3800461.1 CGLO|KAF3807459.1 CGLO|KAF3809689.1 CHIG|XP\_018156776.1 CHIG|XP\_018158082.1 CHIG|XP\_018161365.1 CHIG|XP\_018164891.1 CVIN|KAF4917591.1 CVIN|KAF4918512.1 CVIN|KAF4927945.1 CVYL|A01844 CVYL|A08321 CVYL|A10970 FGRM|XP\_011318819.1 MGRA|XP\_003855336.1 MORY|QBZ54191.1 SSCL|APA11858.1

>Orthogroup633: ANID|CBF71497.1 ANID|CBF88069.1 BCIN|XP\_001547488.1 BCIN|XP\_001560216.1 BCIN|XP\_024550069.1 CFRU|XP\_031879573.1 CFRU|XP\_031891397.1 CGLO|KAF3797947.1 CGLO|KAF3802700.1 CHIG|XP\_018151486.1 CHIG|XP\_018158385.1 CVIN|KAF4899842.1 CVIN|KAF4907838.1 CVIN|KAF4909517.1 CVYL|A08025 FGRM|XP\_011315709.1 FGRM|XP\_011321983.1 FGRM|XP\_011324283.1 MGRA|XP\_003854768.1 MLAR|XP\_007408688.1 MORY|QBZ59818.1 NCRA|XP\_959616.1 SSCL|APA14948.1 SSCL|APA15922.1

>Orthogroup634: ANID|CBF73817.1 ANID|CBF77510.1 BCIN|XP\_001558910.1 BCIN|XP\_024548523.1 BGRA|VDB93131.1 CFRU|XP\_031883753.1 CFRU|XP\_031883754.1 CGLO|KAF3800193.1 CHIG|XP\_018155095.1 CHIG|XP\_018155096.1 CVIN|KAF4897001.1 CVIN|KAF4897005.1 CVYL|A06094 CVYL|A06095 FGRM|XP\_011317443.1 FGRM|XP\_011317444.1 MGRA|XP\_003848248.1 MLAR|XP\_007404753.1 MORY|QBZ64852.1 MORY|QBZ64853.1 NCRA|XP\_011393673.1 NCRA|XP\_956445.1 SSCL|APA05797.1 SSCL|APA12110.1

>Orthogroup635: ANID|CBF74062.1 ANID|CBF88946.1 BCIN|XP\_024552652.1 BCIN|XP\_024553341.1 BGRA|VCU39321.1 BGRA|VDB88345.1 CFRU|XP\_031880746.1 CFRU|XP\_031882664.1 CGLO|KAF3811141.1 CHIG|XP\_018160361.1 CVIN|KAF4901178.1 CVIN|KAF4931259.1 CVYL|A04300 CVYL|A13241 FGRM|XP\_011325697.1 FGRM|XP\_011326451.1 MGRA|XP\_003850414.1 MLAR|XP\_007416814.1 MORY|QBZ57462.1 MORY|QBZ62047.1 NCRA|XP\_956265.1 NCRA|XP\_960925.3 SSCL|APA13659.1 SSCL|APA15578.1

>Orthogroup636: ANID|CBF74265.1 BCIN|XP\_001554422.1 BCIN|XP\_001557289.1 BGRA|VCU40112.1 BGRA|VCU40526.1 BGRA|VDB93720.1 CFRU|XP\_031879632.1 CFRU|XP\_031881831.1 CGLO|KAF3800630.1 CGLO|KAF3802708.1 CHIG|XP\_018151493.1 CHIG|XP\_018152054.1 CVIN|KAF4918183.1 CVYL|A08034 CVYL|A13086 FGRM|XP\_011317219.1 FGRM|XP\_011327263.1 MGRA|XP\_003855482.1 MORY|QBZ56875.1 MORY|QBZ57303.1 NCRA|XP\_956275.3 NCRA|XP\_959624.1 SSCL|APA12479.1 SSCL|APA12620.1

>Orthogroup637: ANID|CBF74274.1 ANID|CBF85786.1 BCIN|XP\_001549961.1 BGRA|VDB90825.1 CFRU|XP\_031884731.1 CFRU|XP\_031888323.1 CGLO|KAF3803579.1 CGLO|KAF3812143.1 CHIG|XP\_018163541.1 CHIG|XP\_018163894.1 CVIN|KAF4918744.1 CVIN|KAF4922229.1 CVYL|A00253 CVYL|A08592 CVYL|A14512 FGRM|XP\_011316750.1 FGRM|XP\_011321548.1 FGRM|XP\_011325340.1 MGRA|XP\_003851092.1 MLAR|XP\_007418520.1 MORY|QBZ55361.1 MORY|QBZ63616.1 NCRA|XP\_964049.2 SSCL|APA06625.1

>Orthogroup638: ANID|CBF74396.1 ANID|CBF77096.1 BCIN|XP\_001548997.1 BCIN|XP\_024553198.1 CFRU|XP\_031877305.1 CFRU|XP\_031887864.1 CGLO|KAF3799922.1 CGLO|KAF3802171.1 CHIG|XP\_018153764.1 CHIG|XP\_018154299.1 CVIN|KAF4900272.1 CVIN|KAF4906968.1 CVYL|A03220 CVYL|A11277 FGRM|XP\_011320256.1 FGRM|XP\_011327774.1 MGRA|XP\_003847531.1 MGRA|XP\_003851753.1 MLAR|XP\_007415483.1 MORY|QBZ66152.1 NCRA|XP\_956427.1 NCRA|XP\_964854.2 SSCL|APA07008.1 SSCL|APA13471.1

>Orthogroup639: ANID|CBF75098.1 ANID|CBF81606.1 BCIN|XP\_001560626.1 BCIN|XP\_024550914.1 BGRA|VDB94561.1 CFRU|XP\_031883743.1 CFRU|XP\_031885689.1 CGLO|KAF3811949.1 CHIG|XP\_018155135.1 CHIG|XP\_018157948.1 CVIN|KAF4905814.1 CVIN|KAF4910797.1 CVYL|A02848 CVYL|A06115 FGRM|XP\_011320207.1 FGRM|XP\_011322504.1 MGRA|XP\_003853689.1 MGRA|XP\_003854468.1 MLAR|XP\_007408912.1 MORY|QBZ56045.1 MORY|QBZ61784.1 NCRA|XP\_958813.3 SSCL|APA07931.1 SSCL|APA11815.1

>Orthogroup640: ANID|CBF75195.1 ANID|CBF87482.1 BCIN|XP\_001558040.1 BCIN|XP\_024550677.1 CFRU|XP\_031888149.1 CFRU|XP\_031891390.1 CFRU|XP\_031893168.1 CGLO|KAF3797597.1 CGLO|KAF3801478.1 CGLO|KAF3804595.1 CHIG|XP\_018152818.1 CHIG|XP\_018161672.1 CVIN|KAF4899213.1 CVIN|KAF4920628.1 CVIN|KAF4923078.1 CVYL|A03394 CVYL|A05283 CVYL|A08117 FGRM|XP\_011315865.1 FGRM|XP\_011326214.1 MGRA|XP\_003849695.1 MORY|QBZ63079.1 NCRA|XP\_958137.1 SSCL|APA12879.1

>Orthogroup641: ANID|CBF75843.1 ANID|CBF86807.1 BCIN|XP\_001554109.1 BCIN|XP\_024549871.1 BGRA|VDB90937.1 BGRA|VDB90948.1 CFRU|XP\_031888382.1 CGLO|KAF3803629.1 CHIG|XP\_018163830.1 CHIG|XP\_018163831.1 CVIN|KAF4913954.1 CVIN|KAF4913955.1 CVYL|A14564 FGRM|XP\_011326534.1 FGRM|XP\_011326536.1 MGRA|XP\_003852601.1 MGRA|XP\_003853125.1 MLAR|XP\_007404298.1 MORY|QBZ54683.1 MORY|QBZ54684.1 NCRA|XP\_958892.1 NCRA|XP\_958893.2 SSCL|APA05544.1 SSCL|APA05545.1

>Orthogroup642: ANID|CBF75845.1 ANID|CBF75847.1 BCIN|XP\_001561104.1 BCIN|XP\_001561105.1 BGRA|VDB90684.1 BGRA|VDB90686.1 CFRU|XP\_031888249.1 CFRU|XP\_031888250.1 CGLO|KAF3803459.1 CHIG|XP\_018163986.1 CHIG|XP\_018163987.1 CVIN|KAF4926351.1 CVIN|KAF4926352.1 CVYL|A14387 CVYL|A14388 FGRM|XP\_011326492.1 MLAR|XP\_007403966.1 MLAR|XP\_007411024.1 MORY|QBZ63473.1 MORY|QBZ63477.1 NCRA|XP\_958418.3 NCRA|XP\_958419.1 SSCL|APA07079.1 SSCL|APA07080.1

>Orthogroup643: ANID|CBF75920.1 BCIN|XP\_001545622.1 BCIN|XP\_001548116.1 BCIN|XP\_024549354.1 BCIN|XP\_024551239.1 BCIN|XP\_024552388.1 CFRU|XP\_031878222.1 CFRU|XP\_031881070.1 CFRU|XP\_031889326.1 CGLO|KAF3800407.1 CGLO|KAF3803095.1 CGLO|KAF3808505.1 CHIG|XP\_018151511.1 CVIN|KAF4917713.1 CVIN|KAF4930630.1 CVYL|A00987 CVYL|A01802 CVYL|A11632 FGRM|XP\_011322463.1 MGRA|XP\_003855378.1 MORY|QBZ53566.1 MORY|QBZ64406.1 SSCL|APA10318.1 SSCL|APA15777.1

>Orthogroup644: ANID|CBF76070.1 ANID|CBF80669.1 ANID|CBF83321.1 BCIN|XP\_024552741.1 BGRA|VCU41183.1 CFRU|XP\_031881412.1 CFRU|XP\_031882670.1 CGLO|KAF3803872.1 CGLO|KAF3805777.1 CHIG|XP\_018151035.1 CHIG|XP\_018163680.1 CVIN|KAF4925421.1 CVIN|KAF4926631.1 CVYL|A06043 CVYL|A08926 FGRM|XP\_011323528.1 FGRM|XP\_011328526.1 MGRA|XP\_003853496.1 MGRA|XP\_003856423.1 MLAR|XP\_007405204.1 MLAR|XP\_007405915.1 MORY|QBZ66349.1 NCRA|XP\_964551.1 SSCL|APA07480.1

>Orthogroup645: ANID|CBF77240.1 ANID|CBF79138.1 BCIN|XP\_001557603.1 BCIN|XP\_024553248.1 CFRU|XP\_031884855.1 CFRU|XP\_031885683.1 CFRU|XP\_031889742.1 CFRU|XP\_031892083.1 CGLO|KAF3810252.1 CGLO|KAF3812135.1 CHIG|XP\_018153365.1 CHIG|XP\_018157942.1 CVIN|KAF4910002.1 CVIN|KAF4910789.1 CVYL|A00263 CVYL|A02854 FGRM|XP\_011320980.1 FGRM|XP\_011322531.1 FGRM|XP\_011328704.1 FGRM|XP\_011328812.1 MGRA|XP\_003851336.1 MGRA|XP\_003854800.1 MGRA|XP\_003856868.1 SSCL|APA14564.1

>Orthogroup646: ANID|CBF77770.1 ANID|CBF88001.1 BCIN|XP\_001559091.1 BCIN|XP\_001561052.2 BGRA|VDB89416.1 BGRA|VDB89418.1 BGRA|VDB95043.1 CFRU|XP\_031890960.1 CGLO|KAF3801681.1 CHIG|XP\_018151460.1 CHIG|XP\_018151461.1 CVIN|KAF4896997.1 CVYL|A12455 FGRM|XP\_011328494.1 FGRM|XP\_011328495.1 MGRA|XP\_003856902.1 MGRA|XP\_003856961.1 MLAR|XP\_007409294.1 MLAR|XP\_007414812.1 MORY|QBZ56043.1 NCRA|XP\_001728295.1 NCRA|XP\_011395025.1 SSCL|APA06754.1 SSCL|APA09062.1

>Orthogroup647: ANID|CBF78213.1 ANID|CBF78217.1 BCIN|XP\_001547812.1 BCIN|XP\_024551087.1 BGRA|VDB95309.1 CFRU|XP\_031888092.1 CFRU|XP\_031888093.1 CGLO|KAF3802289.1 CHIG|XP\_018154388.1 CHIG|XP\_018154389.1 CVIN|KAF4924383.1 CVIN|KAF4924386.1 CVYL|A10540 FGRM|XP\_011319781.1 FGRM|XP\_011319782.1 MGRA|XP\_003852683.1 MLAR|XP\_007406237.1 MLAR|XP\_007419144.1 MORY|QBZ65730.1 MORY|QBZ65731.1 NCRA|XP\_965548.1 NCRA|XP\_965549.1 SSCL|APA11704.1 SSCL|APA12034.1

>Orthogroup648: ANID|CBF78513.1 ANID|CBF87172.1 ANID|CBF89525.1 BCIN|XP\_024548820.1 CFRU|XP\_031878977.1 CFRU|XP\_031881701.1 CFRU|XP\_031891429.1 CGLO|KAF3804561.1 CGLO|KAF3807877.1 CHIG|XP\_018156814.1 CHIG|XP\_018161640.1 CHIG|XP\_018163087.1 CVIN|KAF4922577.1 CVIN|KAF4923084.1 CVIN|KAF4929661.1 CVYL|A00735 CVYL|A05314 CVYL|A10890 FGRM|XP\_011322659.1 MGRA|XP\_003853461.1 MORY|QBZ55333.1 MORY|QBZ66308.1 NCRA|XP\_958308.1 SSCL|APA09623.1

>Orthogroup649: ANID|CBF78671.1 BCIN|XP\_024550051.1 CFRU|XP\_031877301.1 CFRU|XP\_031891722.1 CFRU|XP\_031893117.1 CGLO|KAF3801291.1 CGLO|KAF3806790.1 CGLO|KAF3808341.1 CHIG|XP\_018152397.1 CVIN|KAF4914238.1 CVIN|KAF4918632.1 CVIN|KAF4921563.1 CVYL|A02453 CVYL|A07796 CVYL|A09500 FGRM|XP\_011317695.1 FGRM|XP\_011327773.1 MLAR|XP\_007413535.1 MLAR|XP\_007419338.1 MORY|QBZ54509.1 MORY|QBZ65128.1 NCRA|XP\_961458.2 NCRA|XP\_963273.3 SSCL|APA14464.1

>Orthogroup650: ANID|CBF78790.1 ANID|CBF90002.1 BCIN|XP\_001553902.1 BCIN|XP\_024552146.1 BGRA|VCU39206.1 CFRU|XP\_031876734.1 CFRU|XP\_031882214.1 CGLO|KAF3798700.1 CHIG|XP\_018157454.1 CHIG|XP\_018160188.1 CVIN|KAF4918325.1 CVIN|KAF4918479.1 CVYL|A04072 CVYL|A09437 FGRM|XP\_011316053.1 FGRM|XP\_011321185.1 FGRM|XP\_011321346.1 MGRA|XP\_003849678.1 MLAR|XP\_007413820.1 MORY|QBZ57157.1 NCRA|XP\_011394936.1 NCRA|XP\_962699.1 SSCL|APA12982.1 SSCL|APA13046.1

>Orthogroup651: ANID|CBF79211.1 ANID|CBF85577.1 BCIN|XP\_001545800.1 BCIN|XP\_024549778.1 BGRA|VDB84125.1 CFRU|XP\_031886818.1 CGLO|KAF3807498.1 CHIG|XP\_018151269.1 CHIG|XP\_018158734.1 CVIN|KAF4917507.1 CVYL|A05020 CVYL|A09189 FGRM|XP\_011316689.1 FGRM|XP\_011327932.1 MGRA|XP\_003852398.1 MLAR|XP\_007404503.1 MLAR|XP\_007413429.1 MLAR|XP\_007415460.1 MORY|QBZ60471.1 MORY|QBZ64553.1 NCRA|XP\_962295.3 NCRA|XP\_964194.1 SSCL|APA05724.1 SSCL|APA09560.1

>Orthogroup652: ANID|CBF79325.1 ANID|CBF87598.1 BCIN|XP\_001553725.2 BCIN|XP\_024548520.1 BGRA|VDB93085.1 BGRA|VDB93811.1 CFRU|XP\_031885979.1 CFRU|XP\_031885981.1 CGLO|KAF3811969.1 CHIG|XP\_018155264.1 CHIG|XP\_018155265.1 CVIN|KAF4930346.1 CVIN|KAF4930347.1 CVYL|A05533 FGRM|XP\_011317426.1 FGRM|XP\_011317427.1 MGRA|XP\_003847936.1 MGRA|XP\_003855749.1 MORY|QBZ54461.1 MORY|QBZ56159.1 NCRA|XP\_958489.2 NCRA|XP\_963355.3 SSCL|APA12114.1 SSCL|APA13508.1

>Orthogroup653: ANID|CBF79718.1 ANID|CBF79720.1 BCIN|XP\_024552209.1 BCIN|XP\_024552210.1 BGRA|VCU39218.1 CFRU|XP\_031887654.1 CFRU|XP\_031887661.1 CGLO|KAF3803331.1 CHIG|XP\_018161158.1 CHIG|XP\_018161159.1 CVIN|KAF4919279.1 CVIN|KAF4919282.1 CVIN|KAF4919301.1 CVYL|A03769 FGRM|XP\_011318407.1 FGRM|XP\_011318409.1 MGRA|XP\_003849428.1 MLAR|XP\_007404475.1 MLAR|XP\_007414225.1 MORY|QBZ64573.1 NCRA|XP\_961894.3 NCRA|XP\_962001.1 SSCL|APA12915.1 SSCL|APA12916.1

>Orthogroup654: ANID|CBF79891.1 ANID|CBF79892.1 BCIN|XP\_024552875.1 BCIN|XP\_024552876.1 BGRA|VDB93038.1 CFRU|XP\_031882502.1 CFRU|XP\_031882503.1 CGLO|KAF3807615.1 CHIG|XP\_018156319.1 CHIG|XP\_018156320.1 CVIN|KAF4928884.1 CVYL|A03139 FGRM|XP\_011318961.1 FGRM|XP\_011318962.1 MGRA|XP\_003857198.1 MGRA|XP\_003857199.1 MLAR|XP\_007410225.1 MLAR|XP\_007417448.1 MORY|QBZ56117.1 MORY|QBZ56119.1 NCRA|XP\_001728227.2 NCRA|XP\_958840.2 SSCL|APA16107.1 SSCL|APA16108.1

>Orthogroup655: ANID|CBF80002.1 BCIN|XP\_024546079.1 CFRU|XP\_031876273.1 CFRU|XP\_031888363.1 CGLO|KAF3803616.1 CGLO|KAF3805664.1 CHIG|XP\_018163844.1 CHIG|XP\_018164663.1 CVIN|KAF4920364.1 CVIN|KAF4925751.1 CVYL|A07532 CVYL|A14548 FGRM|XP\_011321588.1 FGRM|XP\_011325457.1 MGRA|XP\_003855245.1 MLAR|XP\_007403659.1 MLAR|XP\_007404006.1 MLAR|XP\_007405176.1 MLAR|XP\_007411392.1 MLAR|XP\_007413177.1 MLAR|XP\_007413178.1 MLAR|XP\_007416582.1 MORY|QBZ58131.1 SSCL|APA07190.1

>Orthogroup656: ANID|CBF80015.1 ANID|CBF80021.1 BCIN|XP\_024551192.1 BCIN|XP\_024551201.1 BGRA|VCU39460.1 BGRA|VCU39915.1 CFRU|XP\_031876011.1 CFRU|XP\_031876936.1 CGLO|KAF3810686.1 CGLO|KAF3810687.1 CHIG|XP\_018162451.1 CHIG|XP\_018162452.1 CVIN|KAF4909754.1 CVIN|KAF4916961.1 CVYL|A07271 FGRM|XP\_011327010.1 FGRM|XP\_011327012.1 MLAR|XP\_007403764.1 MORY|QBZ55609.1 MORY|QBZ55615.1 NCRA|XP\_956181.3 NCRA|XP\_957251.3 SSCL|APA10141.1 SSCL|APA10149.1

>Orthogroup657: ANID|CBF81352.1 ANID|CBF86986.1 BCIN|XP\_024547227.1 BGRA|VDB88979.1 BGRA|VDB93676.1 CFRU|XP\_031882041.1 CFRU|XP\_031890572.1 CGLO|KAF3804895.1 CGLO|KAF3806152.1 CHIG|XP\_018164366.1 CHIG|XP\_018164510.1 CVIN|KAF4907011.1 CVIN|KAF4909778.1 CVYL|A07355 CVYL|A12164 FGRM|XP\_011325027.1 FGRM|XP\_011328572.1 MGRA|XP\_003848535.1 MLAR|XP\_007408685.1 MORY|QBZ59232.1 MORY|QBZ60581.1 NCRA|XP\_958649.2 NCRA|XP\_959720.2 SSCL|APA14158.1

>Orthogroup658: ANID|CBF82297.1 ANID|CBF87343.1 BCIN|XP\_001548878.1 BCIN|XP\_001560807.1 BCIN|XP\_024550156.1 BCIN|XP\_024550351.1 BCIN|XP\_024550376.1 BCIN|XP\_024553153.1 BGRA|VDB93516.1 CFRU|XP\_031883808.1 CFRU|XP\_031892900.1 CGLO|KAF3797748.1 CGLO|KAF3804985.1 CGLO|KAF3809600.1 CGLO|KAF3810844.1 CHIG|XP\_018150831.1 CHIG|XP\_018159139.1 CHIG|XP\_018163532.1 CVIN|KAF4927129.1 CVYL|A06565 CVYL|A11405 MGRA|XP\_003852339.1 MORY|QBZ65367.1 SSCL|APA11037.1

>Orthogroup659: ANID|CBF82324.1 ANID|CBF85436.1 BCIN|XP\_001548912.1 BCIN|XP\_001551330.1 CFRU|XP\_031876463.1 CFRU|XP\_031880233.1 CFRU|XP\_031889721.1 CGLO|KAF3797999.1 CGLO|KAF3805941.1 CGLO|KAF3808976.1 CHIG|XP\_018158042.1 CHIG|XP\_018158935.1 CVIN|KAF4905639.1 CVIN|KAF4911878.1 CVIN|KAF4920864.1 CVYL|A01639 CVYL|A08357 CVYL|A13771 FGRM|XP\_011325153.1 MGRA|XP\_003854384.1 MORY|QBZ64403.1 MORY|QBZ65187.1 NCRA|XP\_011394457.1 SSCL|APA14478.1

>Orthogroup660: ANID|CBF82466.1 BCIN|XP\_024546134.1 CFRU|XP\_031877079.1 CFRU|XP\_031881030.1 CFRU|XP\_031883495.1 CFRU|XP\_031888961.1 CGLO|KAF3799263.1 CGLO|KAF3805204.1 CHIG|XP\_018152956.1 CHIG|XP\_018159895.1 CHIG|XP\_018161435.1 CVIN|KAF4908840.1 CVIN|KAF4909092.1 CVIN|KAF4921539.1 CVIN|KAF4930624.1 CVYL|A01736 CVYL|A07951 FGRM|XP\_011320365.1 FGRM|XP\_011323133.1 MORY|QBZ53276.1 MORY|QBZ59124.1 MORY|QBZ61707.1 NCRA|XP\_011394733.1 SSCL|APA06661.1

>Orthogroup661: ANID|CBF83383.1 BCIN|XP\_001552019.1 BGRA|VDB89245.1 CFRU|XP\_031882280.1 CFRU|XP\_031882648.1 CGLO|KAF3799397.1 CGLO|KAF3804464.1 CHIG|XP\_018152257.1 CHIG|XP\_018160300.1 CVIN|KAF4899304.1 CVIN|KAF4930936.1 CVYL|A04178 CVYL|A13258 FGRM|XP\_011324617.1 FGRM|XP\_011324732.1 FGRM|XP\_011325765.1 MGRA|XP\_003851944.1 MGRA|XP\_003853951.1 MLAR|XP\_007414789.1 MORY|QBZ54002.1 MORY|QBZ64702.1 NCRA|XP\_011394540.1 NCRA|XP\_956610.1 SSCL|APA10008.1

>Orthogroup662: ANID|CBF84691.1 BCIN|XP\_024547850.1 CFRU|XP\_031877190.1 CFRU|XP\_031879941.1 CFRU|XP\_031884638.1 CGLO|KAF3798991.1 CGLO|KAF3806425.1 CGLO|KAF3808862.1 CHIG|XP\_018152902.1 CHIG|XP\_018153991.1 CHIG|XP\_018162309.1 CVIN|KAF4903958.1 CVIN|KAF4918037.1 CVYL|A01219 CVYL|A05814 CVYL|A07910 CVYL|A12018 FGRM|XP\_011323962.1 FGRM|XP\_011327442.1 MGRA|XP\_003849418.1 MORY|QBZ55743.1 MORY|QBZ57950.1 NCRA|XP\_001728506.2 SSCL|APA08163.1

>Orthogroup663: ANID|CBF84939.1 BCIN|XP\_001554988.2 CFRU|XP\_031877032.1 CFRU|XP\_031883620.1 CFRU|XP\_031884154.1 CFRU|XP\_031886061.1 CGLO|KAF3801167.1 CGLO|KAF3803800.1 CGLO|KAF3810829.1 CGLO|KAF3811097.1 CHIG|XP\_018156690.1 CVIN|KAF4911058.1 CVIN|KAF4911073.1 CVIN|KAF4911109.1 CVIN|KAF4917922.1 CVYL|A01996 CVYL|A06222 CVYL|A07988 CVYL|A14172 FGRM|XP\_011322387.1 FGRM|XP\_011323251.1 MORY|QBZ53598.1 MORY|QBZ61948.1 SSCL|APA07771.1

>Orthogroup664: ANID|CBF85033.1 BCIN|XP\_001546217.2 BCIN|XP\_024547764.1 BCIN|XP\_024551257.1 BCIN|XP\_024552695.1 BCIN|XP\_024553502.1 BGRA|VDB94799.1 CFRU|XP\_031875584.1 CFRU|XP\_031876298.1 CFRU|XP\_031876310.1 CFRU|XP\_031885659.1 CGLO|KAF3810103.1 CHIG|XP\_018157855.1 CVIN|KAF4910247.1 CVYL|A02697 FGRM|XP\_011319975.1 MGRA|XP\_003854286.1 MGRA|XP\_003856675.1 MGRA|XP\_003856889.1 MORY|QBZ56060.1 MORY|QBZ61788.1 NCRA|XP\_011394904.1 SSCL|APA08025.1 SSCL|APA10292.1

>Orthogroup665: ANID|CBF85697.1 BCIN|XP\_001551140.1 BCIN|XP\_024550767.1 BGRA|VCU40922.1 CFRU|XP\_031882623.1 CFRU|XP\_031886557.1 CFRU|XP\_031887375.1 CGLO|KAF3803886.1 CGLO|KAF3804040.1 CGLO|KAF3809336.1 CHIG|XP\_018156172.1 CHIG|XP\_018162713.1 CVIN|KAF4925462.1 CVIN|KAF4927627.1 CVYL|A06994 FGRM|XP\_011319127.1 FGRM|XP\_011326370.1 MGRA|XP\_003851694.1 MLAR|XP\_007409769.1 MLAR|XP\_007415484.1 MORY|QBZ59307.1 NCRA|XP\_956792.1 SSCL|APA11621.1 SSCL|APA15056.1

>Orthogroup666: ANID|CBF86008.1 BCIN|XP\_024550580.1 CFRU|XP\_031879003.1 CFRU|XP\_031882305.1 CFRU|XP\_031884009.1 CGLO|KAF3798862.1 CGLO|KAF3804416.1 CGLO|KAF3805027.1 CHIG|XP\_018160236.1 CHIG|XP\_018163496.1 CHIG|XP\_018163542.1 CVIN|KAF4920334.1 CVIN|KAF4927140.1 CVIN|KAF4930933.1 CVYL|A04118 CVYL|A06525 CVYL|A09074 FGRM|XP\_011316282.1 FGRM|XP\_011328781.1 MORY|QBZ59146.1 MORY|QBZ63268.1 NCRA|XP\_961319.3 NCRA|XP\_961734.3 SSCL|APA11382.1

>Orthogroup667: ANID|CBF90335.1 BCIN|XP\_001554661.1 BCIN|XP\_024547680.1 BGRA|VDB83962.1 CFRU|XP\_031876054.1 CFRU|XP\_031881148.1 CFRU|XP\_031891497.1 CGLO|KAF3800468.1 CGLO|KAF3802001.1 CGLO|KAF3804539.1 CHIG|XP\_018159442.1 CHIG|XP\_018160396.1 CVIN|KAF4917612.1 CVIN|KAF4919780.1 CVIN|KAF4924546.1 CVYL|A01851 CVYL|A02431 CVYL|A04257 FGRM|XP\_011326704.1 MGRA|XP\_003848906.1 MLAR|XP\_007416094.1 MORY|QBZ64722.1 NCRA|XP\_961125.3 SSCL|APA11030.1

>Orthogroup668: BCIN|XP\_001547629.1 BCIN|XP\_024549611.1 BCIN|XP\_024551140.1 BCIN|XP\_024553564.1 BGRA|VDB85999.1 BGRA|VDB94900.1 CFRU|XP\_031875936.1 CFRU|XP\_031883553.1 CFRU|XP\_031886348.1 CFRU|XP\_031887623.1 CFRU|XP\_031892619.1 CGLO|KAF3797179.1 CGLO|KAF3803245.1 CGLO|KAF3810868.1 CGLO|KAF3811879.1 CHIG|XP\_018157739.1 CHIG|XP\_018165094.1 CVIN|KAF4897560.1 CVIN|KAF4918838.1 CVIN|KAF4928707.1 CVYL|A02276 CVYL|A03677 CVYL|A10516 SSCL|APA14332.1

>Orthogroup669: BCIN|XP\_024547720.1 CFRU|XP\_031883680.1 CGLO|KAF3811911.1 CHIG|XP\_018155148.1 CVIN|KAF4911841.1 CVYL|A06147 FGRM|XP\_011326183.1 MGRA|XP\_003847348.1 MGRA|XP\_003847806.1 MGRA|XP\_003850198.1 MLAR|XP\_007404309.1 MLAR|XP\_007405417.1 MLAR|XP\_007409370.1 MLAR|XP\_007417452.1 MLAR|XP\_007417453.1 MLAR|XP\_007417454.1 MLAR|XP\_007417455.1 MLAR|XP\_007417457.1 MLAR|XP\_007417458.1 MLAR|XP\_007419496.1 MLAR|XP\_007419497.1 MORY|QBZ59737.1 NCRA|XP\_965653.1 SSCL|APA07956.1

>Orthogroup670: BCIN|XP\_024548426.1 CFRU|XP\_031879702.1 CFRU|XP\_031880291.1 CFRU|XP\_031884428.1 CFRU|XP\_031885246.1 CFRU|XP\_031892891.1 CGLO|KAF3798181.1 CGLO|KAF3799747.1 CGLO|KAF3807758.1 CGLO|KAF3808928.1 CHIG|XP\_018151630.1 CHIG|XP\_018158041.1 CVIN|KAF4920544.1 CVIN|KAF4920721.1 CVIN|KAF4922813.1 CVYL|A00841 FGRM|XP\_011317577.1 MGRA|XP\_003856254.1 MGRA|XP\_003857341.1 MLAR|XP\_007408003.1 MORY|QBZ55027.1 MORY|QBZ60241.1 MORY|QBZ61627.1 MORY|QBZ66586.1

>Orthogroup671: MLAR|XP\_007403763.1 MLAR|XP\_007404126.1 MLAR|XP\_007405194.1 MLAR|XP\_007405690.1 MLAR|XP\_007406650.1 MLAR|XP\_007407596.1 MLAR|XP\_007408372.1 MLAR|XP\_007408712.1 MLAR|XP\_007408877.1 MLAR|XP\_007409446.1 MLAR|XP\_007410131.1 MLAR|XP\_007410278.1 MLAR|XP\_007411900.1 MLAR|XP\_007412169.1 MLAR|XP\_007412806.1 MLAR|XP\_007413384.1 MLAR|XP\_007414259.1 MLAR|XP\_007414380.1 MLAR|XP\_007416374.1 MLAR|XP\_007417062.1 MLAR|XP\_007418177.1 MLAR|XP\_007418985.1 MLAR|XP\_007419200.1 MLAR|XP\_007419482.1

>Orthogroup672: MLAR|XP\_007403683.1 MLAR|XP\_007405454.1 MLAR|XP\_007405455.1 MLAR|XP\_007405456.1 MLAR|XP\_007407010.1 MLAR|XP\_007407579.1 MLAR|XP\_007409076.1 MLAR|XP\_007410458.1 MLAR|XP\_007410461.1 MLAR|XP\_007413194.1 MLAR|XP\_007413195.1 MLAR|XP\_007413231.1 MLAR|XP\_007413235.1 MLAR|XP\_007413299.1 MLAR|XP\_007413300.1 MLAR|XP\_007413301.1 MLAR|XP\_007414835.1 MLAR|XP\_007416310.1 MLAR|XP\_007417522.1 MLAR|XP\_007417542.1 MLAR|XP\_007417639.1 MLAR|XP\_007417661.1 MLAR|XP\_007417990.1 MLAR|XP\_007418870.1

>Orthogroup673: MLAR|XP\_007403954.1 MLAR|XP\_007404596.1 MLAR|XP\_007405992.1 MLAR|XP\_007407188.1 MLAR|XP\_007407717.1 MLAR|XP\_007408051.1 MLAR|XP\_007408334.1 MLAR|XP\_007408533.1 MLAR|XP\_007408592.1 MLAR|XP\_007408893.1 MLAR|XP\_007409167.1 MLAR|XP\_007409562.1 MLAR|XP\_007410542.1 MLAR|XP\_007411325.1 MLAR|XP\_007411394.1 MLAR|XP\_007412742.1 MLAR|XP\_007414096.1 MLAR|XP\_007414991.1 MLAR|XP\_007415317.1 MLAR|XP\_007415936.1 MLAR|XP\_007416765.1 MLAR|XP\_007416979.1 MLAR|XP\_007417221.1 MLAR|XP\_007419039.1

>Orthogroup674: MLAR|XP\_007404783.1 MLAR|XP\_007405839.1 MLAR|XP\_007406624.1 MLAR|XP\_007407423.1 MLAR|XP\_007407654.1 MLAR|XP\_007408246.1 MLAR|XP\_007408828.1 MLAR|XP\_007408829.1 MLAR|XP\_007409009.1 MLAR|XP\_007409589.1 MLAR|XP\_007409590.1 MLAR|XP\_007410623.1 MLAR|XP\_007412333.1 MLAR|XP\_007413946.1 MLAR|XP\_007414127.1 MLAR|XP\_007414132.1 MLAR|XP\_007414549.1 MLAR|XP\_007415606.1 MLAR|XP\_007416472.1 MLAR|XP\_007417564.1 MLAR|XP\_007417669.1 MLAR|XP\_007417688.1 MLAR|XP\_007418491.1 MLAR|XP\_007419237.1

>Orthogroup675: MLAR|XP\_007404418.1 MLAR|XP\_007405061.1 MLAR|XP\_007405508.1 MLAR|XP\_007407558.1 MLAR|XP\_007407964.1 MLAR|XP\_007408444.1 MLAR|XP\_007409188.1 MLAR|XP\_007409886.1 MLAR|XP\_007410134.1 MLAR|XP\_007410738.1 MLAR|XP\_007411436.1 MLAR|XP\_007413740.1 MLAR|XP\_007414212.1 MLAR|XP\_007414240.1 MLAR|XP\_007415665.1 MLAR|XP\_007416682.1 MLAR|XP\_007417319.1 MLAR|XP\_007417374.1 MLAR|XP\_007418416.1 MLAR|XP\_007418836.1 MLAR|XP\_007418899.1 MLAR|XP\_007418904.1 MLAR|XP\_007419209.1 MLAR|XP\_007419589.1

>Orthogroup676: MLAR|XP\_007405181.1 MLAR|XP\_007406075.1 MLAR|XP\_007406609.1 MLAR|XP\_007406653.1 MLAR|XP\_007407041.1 MLAR|XP\_007407419.1 MLAR|XP\_007407512.1 MLAR|XP\_007407689.1 MLAR|XP\_007407722.1 MLAR|XP\_007407733.1 MLAR|XP\_007408026.1 MLAR|XP\_007409805.1 MLAR|XP\_007412802.1 MLAR|XP\_007413247.1 MLAR|XP\_007413653.1 MLAR|XP\_007414679.1 MLAR|XP\_007414808.1 MLAR|XP\_007415842.1 MLAR|XP\_007416151.1 MLAR|XP\_007417212.1 MLAR|XP\_007417894.1 MLAR|XP\_007418717.1 MLAR|XP\_007419523.1 MLAR|XP\_007419759.1

>Orthogroup677: ANID|CBF69479.1 ANID|CBF73921.1 BCIN|XP\_001548467.1 BCIN|XP\_024547068.1 BGRA|VCU40462.1 BGRA|VDB88735.1 CFRU|XP\_031880657.1 CFRU|XP\_031889820.1 CGLO|KAF3805862.1 CGLO|KAF3811150.1 CHIG|XP\_018158869.1 CHIG|XP\_018160337.1 CVIN|KAF4907193.1 CVIN|KAF4931194.1 CVYL|A04310 CVYL|A13855 FGRM|XP\_011327106.1 MGRA|XP\_003850264.1 MLAR|XP\_007407925.1 MORY|QBZ57411.1 NCRA|XP\_961009.1 SSCL|APA06145.1 SSCL|APA13814.1

>Orthogroup678: ANID|CBF69671.1 ANID|CBF76221.1 ANID|CBF80716.1 BCIN|XP\_024549885.1 CFRU|XP\_031882132.1 CFRU|XP\_031884160.1 CFRU|XP\_031885268.1 CFRU|XP\_031888386.1 CGLO|KAF3803633.1 CGLO|KAF3804398.1 CHIG|XP\_018163826.1 CVIN|KAF4913953.1 CVIN|KAF4930954.1 CVYL|A04094 CVYL|A14568 FGRM|XP\_011317066.1 MGRA|XP\_003852425.1 MLAR|XP\_007406992.1 MLAR|XP\_007406993.1 MORY|QBZ54689.1 MORY|QBZ65350.1 NCRA|XP\_011393240.1 SSCL|APA05561.1

>Orthogroup679: ANID|CBF69805.1 BCIN|XP\_001554153.1 BCIN|XP\_024548165.1 BGRA|VCU40131.1 CFRU|XP\_031887954.1 CGLO|KAF3802113.1 CHIG|XP\_018154245.1 CVIN|KAF4912433.1 CVYL|A03280 FGRM|XP\_011320805.1 FGRM|XP\_011323021.1 MGRA|XP\_003847862.1 MGRA|XP\_003849048.1 MGRA|XP\_003853135.1 MLAR|XP\_007404028.1 MLAR|XP\_007404029.1 MLAR|XP\_007407129.1 MLAR|XP\_007417872.1 MORY|QBZ64216.1 NCRA|XP\_965188.1 NCRA|XP\_965492.2 SSCL|APA05497.1 SSCL|APA12414.1

>Orthogroup680: ANID|CBF69817.1 BCIN|XP\_001549430.2 BCIN|XP\_001558875.1 BGRA|VDB93044.1 CFRU|XP\_031885360.1 CFRU|XP\_031890335.1 CGLO|KAF3799509.1 CGLO|KAF3806705.1 CHIG|XP\_018154497.1 CHIG|XP\_018158679.1 CVIN|KAF4925993.1 CVIN|KAF4931873.1 CVYL|A13370 CVYL|A14012 FGRM|XP\_011316647.1 FGRM|XP\_011324936.1 MGRA|XP\_003857494.1 MLAR|XP\_007411165.1 MORY|QBZ55751.1 MORY|QBZ62060.1 NCRA|XP\_956878.1 NCRA|XP\_964592.1 SSCL|APA11819.1

>Orthogroup681: ANID|CBF70187.1 ANID|CBF78521.1 CFRU|XP\_031875442.1 CFRU|XP\_031879904.1 CFRU|XP\_031883810.1 CGLO|KAF3798999.1 CGLO|KAF3804986.1 CHIG|XP\_018163531.1 CHIG|XP\_018163607.1 CVIN|KAF4923441.1 CVIN|KAF4923448.1 CVIN|KAF4927123.1 CVYL|A06564 CVYL|A07918 FGRM|XP\_011316079.1 FGRM|XP\_011316573.1 FGRM|XP\_011327117.1 MORY|QBZ53324.1 MORY|QBZ53325.1 MORY|QBZ66270.1 MORY|QBZ66487.1 MORY|QBZ66505.1 NCRA|XP\_957473.1

>Orthogroup682: ANID|CBF70637.1 ANID|CBF82989.1 BCIN|XP\_001553408.1 CFRU|XP\_031883425.1 CFRU|XP\_031885612.1 CGLO|KAF3801764.1 CGLO|KAF3810081.1 CHIG|XP\_018157918.1 CHIG|XP\_018159265.1 CVIN|KAF4912742.1 CVIN|KAF4922908.1 CVYL|A02677 CVYL|A12943 MGRA|XP\_003852426.1 MGRA|XP\_003853864.1 MGRA|XP\_003856689.1 MLAR|XP\_007403720.1 MLAR|XP\_007413759.1 MLAR|XP\_007414052.1 MORY|QBZ66477.1 NCRA|XP\_959675.3 NCRA|XP\_965072.2 SSCL|APA10928.1

>Orthogroup683: ANID|CBF70800.1 ANID|CBF88697.1 BCIN|XP\_001548054.2 BCIN|XP\_001550759.2 CFRU|XP\_031883053.1 CFRU|XP\_031885030.1 CGLO|KAF3800289.1 CHIG|XP\_018162778.1 CHIG|XP\_018163279.1 CVIN|KAF4919613.1 CVIN|KAF4927584.1 CVYL|A00476 CVYL|A06945 FGRM|XP\_011318465.1 FGRM|XP\_011326105.1 MGRA|XP\_003855061.1 MLAR|XP\_007410228.1 MORY|QBZ58232.1 MORY|QBZ63882.1 NCRA|XP\_011393773.1 NCRA|XP\_011394003.1 SSCL|APA10526.1 SSCL|APA15284.1

>Orthogroup684: ANID|CBF71146.1 BCIN|XP\_024550865.1 BGRA|VDB88859.1 CFRU|XP\_031877694.1 CFRU|XP\_031888726.1 CGLO|KAF3797364.1 CGLO|KAF3804136.1 CGLO|KAF3811677.1 CHIG|XP\_018157145.1 CHIG|XP\_018159978.1 CHIG|XP\_018164812.1 CVIN|KAF4910283.1 CVIN|KAF4929336.1 CVYL|A03629 CVYL|A10325 FGRM|XP\_011320093.1 MGRA|XP\_003848980.1 MGRA|XP\_003853090.1 MLAR|XP\_007408700.1 MORY|QBZ53615.1 NCRA|XP\_964657.1 SSCL|APA11302.1 SSCL|APA11794.1

>Orthogroup685: ANID|CBF71403.1 BCIN|XP\_024547551.1 BCIN|XP\_024550049.1 CFRU|XP\_031892459.1 CFRU|XP\_031892829.1 CGLO|KAF3797239.1 CGLO|KAF3797240.1 CHIG|XP\_018150722.1 CHIG|XP\_018150723.1 CHIG|XP\_018157234.1 CHIG|XP\_018157235.1 CVIN|KAF4917699.1 CVYL|A10456 CVYL|A10457 FGRM|XP\_011319904.1 FGRM|XP\_011319905.1 FGRM|XP\_011322036.1 MORY|QBZ60445.1 MORY|QBZ65622.1 NCRA|XP\_964719.2 NCRA|XP\_964864.1 SSCL|APA07858.1 SSCL|APA14465.1

>Orthogroup686: ANID|CBF71837.1 ANID|CBF82956.1 ANID|CBF88794.1 BCIN|XP\_024551276.1 BGRA|VCU40243.1 CFRU|XP\_031883571.1 CFRU|XP\_031892594.1 CFRU|XP\_031892926.1 CGLO|KAF3811907.1 CVIN|KAF4911836.1 CVYL|A06151 CVYL|A07735 FGRM|XP\_011315712.1 FGRM|XP\_011320712.1 FGRM|XP\_011328671.1 MGRA|XP\_003852741.1 MORY|QBZ55223.1 MORY|QBZ63716.1 MORY|QBZ64464.1 NCRA|XP\_959491.2 NCRA|XP\_963557.3 NCRA|XP\_963558.3 SSCL|APA16272.1

>Orthogroup687: ANID|CBF73436.1 ANID|CBF80707.1 ANID|CBF89589.1 BCIN|XP\_001553555.1 BGRA|VDB92503.1 CFRU|XP\_031879997.1 CFRU|XP\_031883876.1 CFRU|XP\_031884040.1 CGLO|KAF3805096.1 CGLO|KAF3805187.1 CHIG|XP\_018152947.1 CHIG|XP\_018154165.1 CHIG|XP\_018156528.1 CHIG|XP\_018161568.1 CVIN|KAF4905169.1 CVIN|KAF4927444.1 CVYL|A07967 FGRM|XP\_011315638.1 FGRM|XP\_011324272.1 MGRA|XP\_003850696.1 MORY|QBZ53452.1 NCRA|XP\_964948.3 SSCL|APA06494.1

>Orthogroup688: ANID|CBF73444.1 ANID|CBF80164.1 ANID|CBF82822.1 ANID|CBF87238.1 ANID|CBF87553.1 BCIN|XP\_024545928.1 BGRA|VCU38898.1 CFRU|XP\_031883877.1 CFRU|XP\_031890052.1 CGLO|KAF3805097.1 CGLO|KAF3808327.1 CHIG|XP\_018151288.1 CHIG|XP\_018156520.1 CVIN|KAF4910259.1 CVYL|A06461 CVYL|A09207 FGRM|XP\_011315622.1 FGRM|XP\_011323836.1 MGRA|XP\_003854656.1 MLAR|XP\_007416116.1 MORY|QBZ64602.1 NCRA|XP\_011394238.1 SSCL|APA07355.1

>Orthogroup689: ANID|CBF74503.1 ANID|CBF74505.1 CFRU|XP\_031890527.1 CFRU|XP\_031890647.1 CGLO|KAF3804851.1 CHIG|XP\_018164407.1 CHIG|XP\_018164408.1 CVIN|KAF4900682.1 CVIN|KAF4900684.1 CVYL|A12221 FGRM|XP\_011316209.1 FGRM|XP\_011316211.1 FGRM|XP\_011317962.1 FGRM|XP\_011317963.1 MORY|QBZ54998.1 MORY|QBZ55002.1 MORY|QBZ62759.1 MORY|QBZ65804.1 NCRA|XP\_011394203.1 NCRA|XP\_958536.3 NCRA|XP\_962604.2 NCRA|XP\_963762.1 NCRA|XP\_963763.3

>Orthogroup690: ANID|CBF74543.1 ANID|CBF80800.1 BCIN|XP\_024546003.1 BCIN|XP\_024552702.1 CFRU|XP\_031880016.1 CFRU|XP\_031881145.1 CFRU|XP\_031891657.1 CGLO|KAF3798978.1 CGLO|KAF3800465.1 CGLO|KAF3809717.1 CHIG|XP\_018161359.1 CHIG|XP\_018164919.1 CVIN|KAF4917587.1 CVIN|KAF4921968.1 CVYL|A01848 CVYL|A06640 CVYL|A07897 FGRM|XP\_011315694.1 FGRM|XP\_011319412.1 FGRM|XP\_011321676.1 MGRA|XP\_003855140.1 MORY|QBZ58370.1 SSCL|APA15471.1

>Orthogroup691: ANID|CBF74749.1 ANID|CBF86451.1 BCIN|XP\_024551357.1 BGRA|VCU41341.1 CFRU|XP\_031878435.1 CFRU|XP\_031886989.1 CGLO|KAF3811258.1 CHIG|XP\_018160479.1 CHIG|XP\_018162538.1 CVIN|KAF4931282.1 CVIN|KAF4932078.1 CVYL|A04405 CVYL|A07177 FGRM|XP\_011323638.1 FGRM|XP\_011326977.1 MGRA|XP\_003850381.1 MGRA|XP\_003856182.1 MLAR|XP\_007410433.1 MORY|QBZ63412.1 NCRA|XP\_957275.3 NCRA|XP\_961549.3 SSCL|APA10504.1 SSCL|APA15211.1

>Orthogroup692: ANID|CBF75205.1 ANID|CBF84666.1 BCIN|XP\_024547965.1 CFRU|XP\_031881250.1 CFRU|XP\_031882316.1 CGLO|KAF3802547.1 CGLO|KAF3807453.1 CHIG|XP\_018159667.1 CHIG|XP\_018160195.1 CVIN|KAF4894256.1 CVIN|KAF4921878.1 CVYL|A03882 CVYL|A04077 CVYL|A10963 FGRM|XP\_011317856.1 FGRM|XP\_011322226.1 FGRM|XP\_011324255.1 FGRM|XP\_011325923.1 MGRA|XP\_003849269.1 MGRA|XP\_003854843.1 MGRA|XP\_003855762.1 NCRA|XP\_962356.3 SSCL|APA08379.1

>Orthogroup693: ANID|CBF75250.1 ANID|CBF78251.1 BCIN|XP\_024547302.1 BCIN|XP\_024552781.1 CFRU|XP\_031889139.1 CFRU|XP\_031889162.1 CFRU|XP\_031890770.1 CGLO|KAF3801529.1 CGLO|KAF3803122.1 CGLO|KAF3803143.1 CHIG|XP\_018151660.1 CHIG|XP\_018151949.1 CHIG|XP\_018155528.1 CHIG|XP\_018155529.1 CVIN|KAF4898150.1 CVIN|KAF4928263.1 CVYL|A12607 FGRM|XP\_011320970.1 FGRM|XP\_011328689.1 MORY|QBZ65467.1 NCRA|XP\_955902.1 SSCL|APA07512.1 SSCL|APA14264.1

>Orthogroup694: ANID|CBF75304.1 ANID|CBF77366.1 BCIN|XP\_024549020.1 BCIN|XP\_024549022.1 BGRA|VDB93302.1 CFRU|XP\_031884659.1 CFRU|XP\_031884662.1 CGLO|KAF3799687.1 CHIG|XP\_018158278.1 CHIG|XP\_018158279.1 CVIN|KAF4919964.1 CVIN|KAF4919969.1 CVYL|A05850 CVYL|A05851 FGRM|XP\_011316512.1 FGRM|XP\_011316514.1 MGRA|XP\_003855831.1 MLAR|XP\_007412906.1 MORY|QBZ54148.1 NCRA|XP\_011393445.1 NCRA|XP\_964836.1 SSCL|APA09289.1 SSCL|APA09295.1

>Orthogroup695: ANID|CBF75409.1 ANID|CBF76022.1 CFRU|XP\_031876872.1 CFRU|XP\_031878941.1 CFRU|XP\_031880993.1 CGLO|KAF3799824.1 CGLO|KAF3802565.1 CGLO|KAF3807833.1 CHIG|XP\_018153832.1 CHIG|XP\_018161353.1 CHIG|XP\_018162975.1 CVIN|KAF4917617.1 CVIN|KAF4922584.1 CVYL|A00772 CVYL|A01854 CVYL|A09688 FGRM|XP\_011320735.1 FGRM|XP\_011321707.1 FGRM|XP\_011325437.1 MGRA|XP\_003851939.1 MORY|QBZ55849.1 MORY|QBZ61879.1 NCRA|XP\_958720.1

>Orthogroup696: ANID|CBF75722.1 ANID|CBF78083.1 ANID|CBF78085.1 ANID|CBF80374.1 ANID|CBF81921.1 BCIN|XP\_001556550.1 BCIN|XP\_024549028.1 BGRA|VCU39045.1 BGRA|VCU39046.1 CFRU|XP\_031888745.1 CGLO|KAF3796978.1 CGLO|KAF3799219.1 CHIG|XP\_018159856.1 CVIN|KAF4909321.1 CVYL|A05803 CVYL|A10113 FGRM|XP\_011325846.1 FGRM|XP\_011328423.1 MORY|QBZ57533.1 MORY|QBZ66445.1 NCRA|XP\_964143.3 SSCL|APA06483.1 SSCL|APA09284.1

>Orthogroup697: ANID|CBF75884.1 ANID|CBF78838.1 ANID|CBF81981.1 ANID|CBF87362.1 ANID|CBF87376.1 BCIN|XP\_024548265.1 BCIN|XP\_024551214.1 BCIN|XP\_024551294.1 CFRU|XP\_031878404.1 CFRU|XP\_031878564.1 CGLO|KAF3810741.1 CHIG|XP\_018162479.1 CVIN|KAF4920021.1 CVIN|KAF4932087.1 CVYL|A07211 CVYL|A11185 FGRM|XP\_011326990.1 MGRA|XP\_003855512.1 MGRA|XP\_003855614.1 MORY|QBZ61449.1 NCRA|XP\_963090.2 NCRA|XP\_963665.3 SSCL|APA10254.1

>Orthogroup698: ANID|CBF76832.1 ANID|CBF76833.1 BCIN|XP\_001549012.1 BCIN|XP\_024546224.1 BGRA|VCU38965.1 CFRU|XP\_031892506.1 CFRU|XP\_031892509.1 CGLO|KAF3797035.1 CGLO|KAF3797036.1 CHIG|XP\_018157004.1 CHIG|XP\_018157005.1 CVIN|KAF4905027.1 CVIN|KAF4905036.1 CVYL|A10670 FGRM|XP\_011315904.1 FGRM|XP\_011315905.1 MGRA|XP\_003847523.1 MGRA|XP\_003847808.1 MORY|QBZ60444.1 NCRA|XP\_964871.1 NCRA|XP\_964872.2 SSCL|APA07005.1 SSCL|APA07006.1

>Orthogroup699: ANID|CBF77228.1 ANID|CBF78961.1 BCIN|XP\_024550738.1 BGRA|VDB86298.1 CFRU|XP\_031878283.1 CFRU|XP\_031884075.1 CFRU|XP\_031887973.1 CGLO|KAF3797606.1 CGLO|KAF3798062.1 CGLO|KAF3805674.1 CHIG|XP\_018158157.1 CHIG|XP\_018163584.1 CVIN|KAF4920669.1 CVIN|KAF4927973.1 CVYL|A08295 CVYL|A09876 MGRA|XP\_003857753.1 MORY|QBZ55219.1 MORY|QBZ58482.1 MORY|QBZ63269.1 MORY|QBZ66274.1 NCRA|XP\_956937.1 SSCL|APA11680.1

>Orthogroup700: ANID|CBF77596.1 ANID|CBF89626.1 BCIN|XP\_001557579.1 BCIN|XP\_024548037.1 BGRA|VCU40358.1 CFRU|XP\_031885132.1 CFRU|XP\_031887363.1 CGLO|KAF3807784.1 CGLO|KAF3809309.1 CHIG|XP\_018155836.1 CHIG|XP\_018156145.1 CVIN|KAF4911366.1 CVIN|KAF4921493.1 CVYL|A00817 CVYL|A01507 FGRM|XP\_011319280.1 FGRM|XP\_011326171.1 MGRA|XP\_003847926.1 MGRA|XP\_003849706.1 MLAR|XP\_007405039.1 NCRA|XP\_960952.2 SSCL|APA08276.1 SSCL|APA12324.1

>Orthogroup701: ANID|CBF77641.1 BCIN|XP\_024548095.1 BGRA|VDB93136.1 CFRU|XP\_031880123.1 CFRU|XP\_031881622.1 CFRU|XP\_031881737.1 CFRU|XP\_031887360.1 CGLO|KAF3800625.1 CGLO|KAF3807416.1 CGLO|KAF3809306.1 CHIG|XP\_018156142.1 CVIN|KAF4906628.1 CVIN|KAF4911375.1 CVIN|KAF4918203.1 CVYL|A01504 CVYL|A13092 FGRM|XP\_011319282.1 MGRA|XP\_003847887.1 MGRA|XP\_003855128.1 MLAR|XP\_007408915.1 MORY|QBZ53614.1 NCRA|XP\_960955.3 SSCL|APA12637.1

>Orthogroup702: ANID|CBF77822.1 ANID|CBF81495.1 BCIN|XP\_001548145.1 BCIN|XP\_001557726.1 BGRA|VCU40716.1 BGRA|VDB93195.1 CFRU|XP\_031882504.1 CGLO|KAF3807611.1 CHIG|XP\_018156324.1 CHIG|XP\_018156325.1 CVIN|KAF4928938.1 CVYL|A03143 FGRM|XP\_011318872.1 FGRM|XP\_011318873.1 MGRA|XP\_003848012.1 MGRA|XP\_003856115.1 MLAR|XP\_007406605.1 MORY|QBZ56925.1 MORY|QBZ57427.1 NCRA|XP\_957613.2 NCRA|XP\_957625.1 SSCL|APA12206.1 SSCL|APA12754.1

>Orthogroup703: ANID|CBF78078.1 ANID|CBF84398.1 BCIN|XP\_001561155.2 BCIN|XP\_024548691.1 CFRU|XP\_031877743.1 CFRU|XP\_031883120.1 CFRU|XP\_031885142.1 CGLO|KAF3797367.1 CGLO|KAF3807792.1 CGLO|KAF3808201.1 CHIG|XP\_018157142.1 CHIG|XP\_018163003.1 CHIG|XP\_018163212.1 CVIN|KAF4921537.1 CVIN|KAF4924280.1 CVIN|KAF4929373.1 CVYL|A00550 CVYL|A00809 CVYL|A10322 FGRM|XP\_011319720.1 MORY|QBZ65528.1 SSCL|APA07091.1 SSCL|APA09914.1

>Orthogroup704: ANID|CBF78153.1 ANID|CBF82896.1 ANID|CBF82900.1 ANID|CBF82996.1 ANID|CBF86070.1 BCIN|XP\_024550869.1 BCIN|XP\_024551666.1 BCIN|XP\_024553469.1 CFRU|XP\_031878610.1 CGLO|KAF3798460.1 CVIN|KAF4920037.1 CVYL|A11183 FGRM|XP\_011315717.1 FGRM|XP\_011317665.1 FGRM|XP\_011320586.1 FGRM|XP\_011322683.1 MGRA|XP\_003849833.1 MGRA|XP\_003853238.1 MGRA|XP\_003853476.1 SSCL|APA06523.1 SSCL|APA11796.1 SSCL|APA13821.1 SSCL|APA14804.1

>Orthogroup705: ANID|CBF78253.1 BCIN|XP\_001556731.1 BCIN|XP\_001561009.1 BCIN|XP\_024552337.1 BGRA|VDB90710.1 CFRU|XP\_031879860.1 CFRU|XP\_031885386.1 CFRU|XP\_031893578.1 CGLO|KAF3799494.1 CGLO|KAF3803039.1 CGLO|KAF3809510.1 CHIG|XP\_018152649.1 CHIG|XP\_018153586.1 CVIN|KAF4918572.1 CVIN|KAF4929956.1 CVYL|A00051 CVYL|A08507 CVYL|A13354 MGRA|XP\_003848664.1 MGRA|XP\_003851500.1 MORY|QBZ59480.1 SSCL|APA06732.1 SSCL|APA08801.1

>Orthogroup706: ANID|CBF78556.1 ANID|CBF82228.1 BCIN|XP\_024552245.1 CFRU|XP\_031878903.1 CFRU|XP\_031886394.1 CFRU|XP\_031888934.1 CGLO|KAF3804276.1 CGLO|KAF3807836.1 CGLO|KAF3808504.1 CGLO|KAF3811874.1 CHIG|XP\_018155180.1 CHIG|XP\_018155648.1 CVIN|KAF4909057.1 CVIN|KAF4920579.1 CVIN|KAF4922620.1 CVYL|A03959 CVYL|A06187 FGRM|XP\_011321905.1 FGRM|XP\_011322431.1 FGRM|XP\_011325834.1 MORY|QBZ63073.1 NCRA|XP\_001728023.1 SSCL|APA15090.1

>Orthogroup707: ANID|CBF79039.1 CFRU|XP\_031878822.1 CFRU|XP\_031879349.1 CFRU|XP\_031889256.1 CGLO|KAF3797491.1 CGLO|KAF3803081.1 CGLO|KAF3808625.1 CHIG|XP\_018155551.1 CHIG|XP\_018161278.1 CHIG|XP\_018161887.1 CVIN|KAF4921655.1 CVIN|KAF4926185.1 CVYL|A00949 CVYL|A01939 CVYL|A12233 FGRM|XP\_011318054.1 FGRM|XP\_011322776.1 FGRM|XP\_011325227.1 FGRM|XP\_011327460.1 MGRA|XP\_003848555.1 MGRA|XP\_003850154.1 MORY|QBZ55084.1 MORY|QBZ64138.1

>Orthogroup708: ANID|CBF79334.1 ANID|CBF83831.1 BCIN|XP\_001546607.1 BCIN|XP\_001548937.1 BGRA|VDB95194.1 CFRU|XP\_031878166.1 CFRU|XP\_031889301.1 CGLO|KAF3797702.1 CGLO|KAF3801826.1 CHIG|XP\_018155488.1 CHIG|XP\_018159320.1 CVIN|KAF4895041.1 CVIN|KAF4928299.1 CVYL|A01068 CVYL|A12881 FGRM|XP\_011320639.1 MGRA|XP\_003853959.1 MLAR|XP\_007417487.1 MORY|QBZ62914.1 NCRA|XP\_960475.1 NCRA|XP\_965387.1 SSCL|APA05732.1 SSCL|APA13032.1

>Orthogroup709: ANID|CBF79344.1 ANID|CBF84688.1 ANID|CBF87123.1 ANID|CBF87309.1 BCIN|XP\_001547478.1 BGRA|VCU38912.1 CFRU|XP\_031887689.1 CFRU|XP\_031893098.1 CGLO|KAF3811594.1 CHIG|XP\_018152716.1 CHIG|XP\_018160860.1 CVIN|KAF4908442.1 CVIN|KAF4914896.1 CVYL|A03449 CVYL|A08227 FGRM|XP\_011319675.1 FGRM|XP\_011327854.1 MGRA|XP\_003854964.1 MLAR|XP\_007409250.1 MLAR|XP\_007415674.1 MORY|QBZ58872.1 NCRA|XP\_011394190.1 SSCL|APA07349.1

>Orthogroup710: ANID|CBF79668.1 BCIN|XP\_001546552.1 BCIN|XP\_001554549.1 BGRA|VCU41160.1 CFRU|XP\_031882426.1 CFRU|XP\_031887419.1 CGLO|KAF3807544.1 CGLO|KAF3809177.1 CHIG|XP\_018156000.1 CHIG|XP\_018156391.1 CVIN|KAF4919837.1 CVIN|KAF4928968.1 CVYL|A01364 CVYL|A02939 FGRM|XP\_011318585.1 FGRM|XP\_011319103.1 MGRA|XP\_003856742.1 MORY|QBZ56943.1 MORY|QBZ57451.1 NCRA|XP\_957898.1 NCRA|XP\_959216.1 SSCL|APA11871.1 SSCL|APA16257.1

>Orthogroup711: ANID|CBF79760.1 ANID|CBF83948.1 BCIN|XP\_001560943.1 CFRU|XP\_031877323.1 CFRU|XP\_031879250.1 CFRU|XP\_031889317.1 CGLO|KAF3801117.1 CGLO|KAF3803101.1 CGLO|KAF3807097.1 CHIG|XP\_018155595.1 CHIG|XP\_018159752.1 CVIN|KAF4906964.1 CVIN|KAF4919052.1 CVIN|KAF4929616.1 CVYL|A00991 CVYL|A06386 CVYL|A11283 FGRM|XP\_011320685.1 FGRM|XP\_011322085.1 MLAR|XP\_007413030.1 MORY|QBZ63309.1 NCRA|XP\_960556.1 SSCL|APA06677.1

>Orthogroup712: ANID|CBF80121.1 CFRU|XP\_031876350.1 CFRU|XP\_031892912.1 CFRU|XP\_031892925.1 CGLO|KAF3808134.1 CGLO|KAF3811862.1 CHIG|XP\_018153334.1 CVIN|KAF4909728.1 FGRM|XP\_011320916.1 FGRM|XP\_011323193.1 MORY|QBZ53469.1 MORY|QBZ54088.1 MORY|QBZ54535.1 MORY|QBZ54857.1 MORY|QBZ54950.1 MORY|QBZ57495.1 MORY|QBZ57852.1 MORY|QBZ58237.1 MORY|QBZ58603.1 MORY|QBZ58622.1 MORY|QBZ63121.1 MORY|QBZ64147.1 NCRA|XP\_011393324.1

>Orthogroup713: ANID|CBF80346.1 BCIN|XP\_001559771.2 BCIN|XP\_024553721.1 CFRU|XP\_031880081.1 CFRU|XP\_031886247.1 CFRU|XP\_031891360.1 CGLO|KAF3797739.1 CGLO|KAF3797923.1 CGLO|KAF3805316.1 CHIG|XP\_018158402.1 CHIG|XP\_018161592.1 CHIG|XP\_018164328.1 CVIN|KAF4907826.1 CVIN|KAF4917545.1 CVIN|KAF4931443.1 CVYL|A05358 CVYL|A11414 CVYL|A11742 FGRM|XP\_011315653.1 FGRM|XP\_011325230.1 FGRM|XP\_011327738.1 MGRA|XP\_003854020.1 SSCL|APA09610.1

>Orthogroup714: ANID|CBF80731.1 CFRU|XP\_031880218.1 CFRU|XP\_031885365.1 CFRU|XP\_031886952.1 CGLO|KAF3799544.1 CGLO|KAF3808944.1 CGLO|KAF3811244.1 CHIG|XP\_018154535.1 CHIG|XP\_018155806.1 CHIG|XP\_018160469.1 CVIN|KAF4920759.1 CVIN|KAF4931168.1 CVIN|KAF4931855.1 CVYL|A01148 CVYL|A04418 CVYL|A13404 FGRM|XP\_011321958.1 FGRM|XP\_011324911.1 MGRA|XP\_003848053.1 MORY|QBZ55208.1 MORY|QBZ56762.1 MORY|QBZ62095.1 NCRA|XP\_956970.1

>Orthogroup715: ANID|CBF81311.1 BCIN|XP\_024554025.1 CFRU|XP\_031884582.1 CFRU|XP\_031889134.1 CFRU|XP\_031891749.1 CGLO|KAF3799058.1 CGLO|KAF3800093.1 CGLO|KAF3803127.1 CHIG|XP\_018158196.1 CHIG|XP\_018159493.1 CHIG|XP\_018163328.1 CVIN|KAF4918272.1 CVIN|KAF4925819.1 CVIN|KAF4928310.1 CVYL|A01016 CVYL|A06788 CVYL|A11470 FGRM|XP\_011321854.1 FGRM|XP\_011324881.1 MGRA|XP\_003849850.1 MORY|QBZ64469.1 NCRA|XP\_963898.1 SSCL|APA15340.1

>Orthogroup716: ANID|CBF81512.1 BCIN|XP\_001560623.2 BGRA|VDB94669.1 BGRA|VDB94670.1 CFRU|XP\_031877528.1 CFRU|XP\_031885652.1 CGLO|KAF3797520.1 CHIG|XP\_018152920.1 CHIG|XP\_018157956.1 CVIN|KAF4912150.1 CVIN|KAF4921614.1 CVYL|A01968 CVYL|A02714 FGRM|XP\_011319445.1 MGRA|XP\_003853766.1 MLAR|XP\_007405856.1 MLAR|XP\_007410339.1 MLAR|XP\_007410341.1 MLAR|XP\_007413306.1 NCRA|XP\_959043.1 NCRA|XP\_963418.3 SSCL|APA07928.1 SSCL|APA09586.1

>Orthogroup717: ANID|CBF81676.1 ANID|CBF87498.1 BCIN|XP\_024549261.1 CFRU|XP\_031877068.1 CFRU|XP\_031889046.1 CGLO|KAF3799190.1 CGLO|KAF3807974.1 CGLO|KAF3807977.1 CGLO|KAF3811104.1 CHIG|XP\_018152963.1 CHIG|XP\_018159798.1 CVIN|KAF4911069.1 CVIN|KAF4914916.1 CVYL|A07980 CVYL|A10085 FGRM|XP\_011315621.1 FGRM|XP\_011318492.1 FGRM|XP\_011320786.1 FGRM|XP\_011324535.1 MORY|QBZ56964.1 MORY|QBZ63737.1 NCRA|XP\_960978.2 SSCL|APA08867.1

>Orthogroup718: ANID|CBF82482.1 BCIN|XP\_001557356.1 BCIN|XP\_001557882.1 BCIN|XP\_024548829.1 BCIN|XP\_024552558.1 CFRU|XP\_031878848.1 CFRU|XP\_031880064.1 CGLO|KAF3797754.1 CGLO|KAF3802621.1 CHIG|XP\_018151700.1 CVIN|KAF4905515.1 CVIN|KAF4924915.1 CVYL|A01917 CVYL|A11399 FGRM|XP\_011320876.1 MGRA|XP\_003847856.1 MLAR|XP\_007403822.1 MLAR|XP\_007403850.1 MLAR|XP\_007407159.1 SSCL|APA08661.1 SSCL|APA09607.1 SSCL|APA10459.1 SSCL|APA12794.1

>Orthogroup719: ANID|CBF82847.1 ANID|CBF85479.1 BCIN|XP\_001552085.2 CFRU|XP\_031884421.1 CFRU|XP\_031892942.1 CGLO|KAF3799779.1 CGLO|KAF3800787.1 CHIG|XP\_018150891.1 CHIG|XP\_018158220.1 CVIN|KAF4918942.1 CVIN|KAF4922454.1 CVYL|A08764 CVYL|A11316 FGRM|XP\_011316520.1 FGRM|XP\_011320887.1 FGRM|XP\_011325290.1 MGRA|XP\_003854844.1 MGRA|XP\_003857077.1 MLAR|XP\_007403676.1 MORY|QBZ55906.1 MORY|QBZ66458.1 NCRA|XP\_964806.1 SSCL|APA09815.1

>Orthogroup720: ANID|CBF82954.1 BCIN|XP\_024546343.1 CFRU|XP\_031875282.1 CFRU|XP\_031875513.1 CFRU|XP\_031875515.1 CFRU|XP\_031875582.1 CFRU|XP\_031875861.1 CFRU|XP\_031877013.1 CFRU|XP\_031877546.1 CFRU|XP\_031877560.1 CFRU|XP\_031877590.1 CFRU|XP\_031880506.1 CGLO|KAF3802338.1 CGLO|KAF3810009.1 CGLO|KAF3810747.1 CGLO|KAF3810748.1 CHIG|XP\_018153844.1 CVIN|KAF4932020.1 FGRM|XP\_011315824.1 FGRM|XP\_011328868.1 SSCL|APA06313.1 SSCL|APA11965.1 SSCL|APA15328.1

>Orthogroup721: ANID|CBF83217.1 ANID|CBF87977.1 ANID|CBF90342.1 CFRU|XP\_031889432.1 CFRU|XP\_031889897.1 CFRU|XP\_031890766.1 CFRU|XP\_031892119.1 CGLO|KAF3801521.1 CGLO|KAF3808887.1 CGLO|KAF3809758.1 CGLO|KAF3810637.1 CGLO|KAF3811877.1 CHIG|XP\_018155761.1 CHIG|XP\_018161686.1 CHIG|XP\_018164977.1 CVIN|KAF4896768.1 CVIN|KAF4898148.1 CVIN|KAF4914523.1 CVYL|A01195 CVYL|A06680 CVYL|A12613 MGRA|XP\_003855558.1 NCRA|XP\_011394768.1

>Orthogroup722: ANID|CBF83335.1 ANID|CBF89489.1 BCIN|XP\_001548315.1 BCIN|XP\_024548634.1 CFRU|XP\_031883885.1 CFRU|XP\_031890389.1 CGLO|KAF3805154.1 CGLO|KAF3806722.1 CHIG|XP\_018158698.1 CHIG|XP\_018163358.1 CVIN|KAF4919501.1 CVIN|KAF4927422.1 CVYL|A06402 CVYL|A14030 FGRM|XP\_011317329.1 FGRM|XP\_011321654.1 MGRA|XP\_003854709.1 MORY|QBZ60452.1 MORY|QBZ63264.1 NCRA|XP\_956932.1 NCRA|XP\_963934.1 SSCL|APA06375.1 SSCL|APA09861.1

>Orthogroup723: ANID|CBF83691.1 ANID|CBF87161.1 BCIN|XP\_024552016.1 CFRU|XP\_031884390.1 CFRU|XP\_031884917.1 CFRU|XP\_031890936.1 CGLO|KAF3801560.1 CGLO|KAF3810355.1 CGLO|KAF3812179.1 CHIG|XP\_018153402.1 CVIN|KAF4897450.1 CVIN|KAF4920960.1 CVIN|KAF4921099.1 CVYL|A00208 CVYL|A05755 CVYL|A12574 FGRM|XP\_011316473.1 FGRM|XP\_011318194.1 FGRM|XP\_011322621.1 MGRA|XP\_003854680.1 MGRA|XP\_003857619.1 NCRA|XP\_965570.1 SSCL|APA12779.1

>Orthogroup724: ANID|CBF84685.1 BCIN|XP\_024546192.1 CFRU|XP\_031880852.1 CFRU|XP\_031886177.1 CGLO|KAF3802786.1 CGLO|KAF3806568.1 CGLO|KAF3806904.1 CGLO|KAF3809063.1 CGLO|KAF3809258.1 CHIG|XP\_018154275.1 CHIG|XP\_018155476.1 CHIG|XP\_018156834.1 CVIN|KAF4897319.1 CVIN|KAF4920450.1 CVYL|A02549 CVYL|A09300 FGRM|XP\_011316187.1 FGRM|XP\_011318006.1 FGRM|XP\_011318010.1 FGRM|XP\_011320188.1 FGRM|XP\_011322534.1 FGRM|XP\_011328569.1 MORY|QBZ55007.1

>Orthogroup725: ANID|CBF84804.1 ANID|CBF85006.1 BCIN|XP\_001559711.2 BCIN|XP\_024548858.1 BGRA|VDB93244.1 CFRU|XP\_031886729.1 CFRU|XP\_031886730.1 CGLO|KAF3806773.1 CHIG|XP\_018158774.1 CHIG|XP\_018158775.1 CVIN|KAF4905655.1 CVIN|KAF4905665.1 CVYL|A04986 CVYL|A04987 FGRM|XP\_011316372.1 FGRM|XP\_011316373.1 MGRA|XP\_003852354.1 MGRA|XP\_003852365.1 MORY|QBZ60405.1 NCRA|XP\_964965.1 NCRA|XP\_964970.3 SSCL|APA09454.1 SSCL|APA09455.1

>Orthogroup726: ANID|CBF85118.1 BCIN|XP\_024546499.1 CFRU|XP\_031881127.1 CFRU|XP\_031884623.1 CFRU|XP\_031887847.1 CGLO|KAF3799693.1 CGLO|KAF3802192.1 CGLO|KAF3809888.1 CHIG|XP\_018151902.1 CHIG|XP\_018158310.1 CHIG|XP\_018161475.1 CVIN|KAF4919989.1 CVIN|KAF4930632.1 CVYL|A03201 CVYL|A05857 FGRM|XP\_011318095.1 MGRA|XP\_003853179.1 MORY|QBZ55047.1 MORY|QBZ60675.1 MORY|QBZ63027.1 NCRA|XP\_956424.1 NCRA|XP\_959114.2 SSCL|APA06749.1

>Orthogroup727: ANID|CBF85387.1 BCIN|XP\_001548250.1 BCIN|XP\_001549006.2 BCIN|XP\_024546995.1 CFRU|XP\_031882495.1 CFRU|XP\_031888721.1 CGLO|KAF3799198.1 CGLO|KAF3807630.1 CHIG|XP\_018156299.1 CHIG|XP\_018159816.1 CHIG|XP\_018164564.1 CVIN|KAF4894522.1 CVIN|KAF4921401.1 CVYL|A03120 CVYL|A10093 FGRM|XP\_011319013.1 MGRA|XP\_003855300.1 MORY|QBZ54756.1 MORY|QBZ60391.1 NCRA|XP\_961626.1 NCRA|XP\_965269.1 SSCL|APA05939.1 SSCL|APA07003.1

>Orthogroup728: ANID|CBF85826.1 ANID|CBF88365.1 BCIN|XP\_024547955.1 BGRA|VDB83574.1 CFRU|XP\_031876541.1 CFRU|XP\_031889233.1 CGLO|KAF3803152.1 CGLO|KAF3811477.1 CHIG|XP\_018155520.1 CHIG|XP\_018160730.1 CVIN|KAF4907408.1 CVYL|A01038 CVYL|A03069 CVYL|A04681 FGRM|XP\_011317772.1 MGRA|XP\_003849227.1 MGRA|XP\_003851426.1 MLAR|XP\_007413642.1 MLAR|XP\_007419345.1 MORY|QBZ56609.1 NCRA|XP\_011394288.1 SSCL|APA08386.1 SSCL|APA09158.1

>Orthogroup729: ANID|CBF85956.1 BCIN|XP\_001549505.2 BCIN|XP\_024552998.1 CFRU|XP\_031875334.1 CFRU|XP\_031885510.1 CFRU|XP\_031885511.1 CFRU|XP\_031886785.1 CGLO|KAF3799502.1 CHIG|XP\_018154486.1 CHIG|XP\_018154487.1 CVIN|KAF4931776.1 CVIN|KAF4931777.1 CVYL|A13362 CVYL|A13363 FGRM|XP\_011321242.1 FGRM|XP\_011321243.1 MGRA|XP\_003856627.1 MORY|QBZ57269.1 MORY|QBZ60462.1 NCRA|XP\_955923.1 NCRA|XP\_955924.1 SSCL|APA16205.1 SSCL|APA16206.1

>Orthogroup730: ANID|CBF85985.1 ANID|CBF85986.1 BCIN|XP\_001555417.1 BCIN|XP\_024547841.1 BGRA|VDB90397.1 CFRU|XP\_031885815.1 CFRU|XP\_031885816.1 CGLO|KAF3810242.1 CHIG|XP\_018157955.1 CVIN|KAF4910799.1 CVYL|A02843 FGRM|XP\_011319955.1 FGRM|XP\_011319956.1 MGRA|XP\_003854274.1 MGRA|XP\_003854275.1 MLAR|XP\_007408579.1 MLAR|XP\_007410937.1 MORY|QBZ56046.1 MORY|QBZ56047.1 NCRA|XP\_001728437.1 NCRA|XP\_958803.1 SSCL|APA08152.1 SSCL|APA08153.1

>Orthogroup731: ANID|CBF87140.1 BCIN|XP\_001551948.1 BCIN|XP\_024551950.1 CFRU|XP\_031876051.1 CFRU|XP\_031877982.1 CFRU|XP\_031880332.1 CFRU|XP\_031889961.1 CGLO|KAF3805254.1 CGLO|KAF3808968.1 CGLO|KAF3810381.1 CGLO|KAF3810954.1 CHIG|XP\_018158230.1 CHIG|XP\_018158824.1 CVIN|KAF4907254.1 CVIN|KAF4909106.1 CVIN|KAF4918685.1 CVIN|KAF4920858.1 CVYL|A01268 CVYL|A02194 CVYL|A05731 CVYL|A13903 FGRM|XP\_011319367.1 FGRM|XP\_011326042.1

>Orthogroup732: ANID|CBF87414.1 BCIN|XP\_001548433.1 CFRU|XP\_031884475.1 CFRU|XP\_031890480.1 CFRU|XP\_031893404.1 CGLO|KAF3804875.1 CGLO|KAF3808395.1 CHIG|XP\_018152453.1 CHIG|XP\_018158199.1 CHIG|XP\_018160049.1 CVIN|KAF4916829.1 CVIN|KAF4918256.1 CVYL|A09555 CVYL|A11473 CVYL|A12191 FGRM|XP\_011321786.1 FGRM|XP\_011322181.1 MGRA|XP\_003857728.1 MORY|QBZ56830.1 MORY|QBZ60747.1 MORY|QBZ60925.1 NCRA|XP\_960005.1 SSCL|APA09298.1

>Orthogroup733: ANID|CBF88785.1 BCIN|XP\_024546334.1 BGRA|VCU39968.1 BGRA|VCU39969.1 BGRA|VDB95110.1 CFRU|XP\_031890784.1 CGLO|KAF3801657.1 CHIG|XP\_018151430.1 CVIN|KAF4921235.1 CVYL|A12478 FGRM|XP\_011321746.1 FGRM|XP\_011321762.1 MGRA|XP\_003849762.1 MGRA|XP\_003854763.1 MLAR|XP\_007413112.1 MLAR|XP\_007414668.1 MLAR|XP\_007416874.1 MLAR|XP\_007416907.1 MLAR|XP\_007416932.1 MORY|QBZ62189.1 MORY|QBZ63299.1 NCRA|XP\_960332.1 SSCL|APA06883.1

>Orthogroup734: ANID|CBF88847.1 BCIN|XP\_001557985.1 BCIN|XP\_024551677.1 CFRU|XP\_031877893.1 CFRU|XP\_031881745.1 CFRU|XP\_031892617.1 CGLO|KAF3797177.1 CGLO|KAF3800619.1 CGLO|KAF3810912.1 CHIG|XP\_018154946.1 CHIG|XP\_018157327.1 CVIN|KAF4893528.1 CVIN|KAF4918181.1 CVIN|KAF4918836.1 CVYL|A02232 CVYL|A10519 CVYL|A13098 FGRM|XP\_011321764.1 MGRA|XP\_003849549.1 MLAR|XP\_007413140.1 NCRA|XP\_965782.3 SSCL|APA06011.1 SSCL|APA12687.1

>Orthogroup735: BCIN|XP\_001553392.1 BCIN|XP\_024546141.1 BCIN|XP\_024547996.1 BCIN|XP\_024548655.1 BCIN|XP\_024550676.1 CFRU|XP\_031879056.1 CFRU|XP\_031884412.1 CGLO|KAF3798624.1 CGLO|KAF3798839.1 CGLO|KAF3810337.1 CHIG|XP\_018151192.1 CHIG|XP\_018157054.1 CHIG|XP\_018158360.1 CVIN|KAF4895358.1 CVIN|KAF4919603.1 CVYL|A05770 CVYL|A09095 FGRM|XP\_011316485.1 FGRM|XP\_011322171.1 MORY|QBZ55856.1 NCRA|XP\_959742.1 SSCL|APA08333.1 SSCL|APA09936.1

>Orthogroup736: BCIN|XP\_024546206.1 CFRU|XP\_031876830.1 CFRU|XP\_031879027.1 CFRU|XP\_031880933.1 CFRU|XP\_031890972.1 CFRU|XP\_031892413.1 CGLO|KAF3797109.1 CGLO|KAF3803770.1 CGLO|KAF3806905.1 CGLO|KAF3811721.1 CHIG|XP\_018151720.1 CHIG|XP\_018159694.1 CHIG|XP\_018162667.1 CHIG|XP\_018163050.1 CVIN|KAF4918590.1 CVIN|KAF4922975.1 CVYL|A10597 CVYL|A11253 CVYL|A12738 FGRM|XP\_011315854.1 FGRM|XP\_011328672.1 MORY|QBZ53450.1 SSCL|APA07019.1

>Orthogroup737: BCIN|XP\_001558807.1 BGRA|VDB93858.1 CFRU|XP\_031884988.1 CFRU|XP\_031885552.1 CFRU|XP\_031891602.1 CGLO|KAF3797409.1 CGLO|KAF3799421.1 CGLO|KAF3801011.1 CHIG|XP\_018152293.1 CHIG|XP\_018157368.1 CVIN|KAF4929406.1 CVIN|KAF4931842.1 CVYL|A05895 CVYL|A10268 CVYL|A13285 FGRM|XP\_011318022.1 FGRM|XP\_011323662.1 FGRM|XP\_011325098.1 MGRA|XP\_003854921.1 MLAR|XP\_007405421.1 MORY|QBZ53482.1 NCRA|XP\_955835.1 SSCL|APA05965.1

>Orthogroup738: BCIN|XP\_001549047.1 BCIN|XP\_001553783.2 BCIN|XP\_024550687.1 BCIN|XP\_024553666.1 BCIN|XP\_024554039.1 CFRU|XP\_031878945.1 CFRU|XP\_031881390.1 CFRU|XP\_031886102.1 CGLO|KAF3805795.1 CGLO|KAF3807920.1 CGLO|KAF3811995.1 CHIG|XP\_018153767.1 CHIG|XP\_018164870.1 CVIN|KAF4915251.1 CVIN|KAF4926619.1 CVIN|KAF4930357.1 CVYL|A00699 CVYL|A06025 NCRA|XP\_960727.1 SSCL|APA09854.1 SSCL|APA11511.1 SSCL|APA15047.1 SSCL|APA15351.1

>Orthogroup739: BCIN|XP\_001554322.2 BCIN|XP\_024547740.1 BCIN|XP\_024552323.1 BGRA|VDB90352.1 CFRU|XP\_031881282.1 CFRU|XP\_031882979.1 CFRU|XP\_031892185.1 CGLO|KAF3801310.1 CGLO|KAF3802448.1 CGLO|KAF3808169.1 CHIG|XP\_018152566.1 CHIG|XP\_018154747.1 CHIG|XP\_018161499.1 CHIG|XP\_018164816.1 CVIN|KAF4913920.1 CVIN|KAF4921581.1 CVIN|KAF4924262.1 CVYL|A00521 CVYL|A02039 CVYL|A07774 FGRM|XP\_011328691.1 MORY|QBZ66454.1 SSCL|APA07989.1

>Orthogroup740: BCIN|XP\_001557241.2 BCIN|XP\_001559553.1 BCIN|XP\_024548674.1 BCIN|XP\_024548925.1 CFRU|XP\_031885472.1 CFRU|XP\_031885473.1 CGLO|KAF3799480.1 CGLO|KAF3799481.1 CHIG|XP\_018154464.1 CHIG|XP\_018154465.1 CVIN|KAF4931785.1 CVIN|KAF4931786.1 CVYL|A08530 CVYL|A13342 CVYL|A13343 FGRM|XP\_011316720.1 MGRA|XP\_003847906.1 MGRA|XP\_003853745.1 MGRA|XP\_003854054.1 SSCL|APA09595.1 SSCL|APA09888.1 SSCL|APA09893.1 SSCL|APA12519.1

>Orthogroup741: BCIN|XP\_024548628.1 BCIN|XP\_024550710.1 BCIN|XP\_024550752.1 CFRU|XP\_031878391.1 CFRU|XP\_031881708.1 CGLO|KAF3805370.1 CGLO|KAF3810735.1 CHIG|XP\_018156738.1 CHIG|XP\_018162595.1 CVIN|KAF4907238.1 CVIN|KAF4932089.1 CVYL|A07217 CVYL|A11020 FGRM|XP\_011320225.1 MGRA|XP\_003857576.1 MORY|QBZ54212.1 MORY|QBZ66243.1 NCRA|XP\_958305.1 NCRA|XP\_960725.2 NCRA|XP\_960847.3 SSCL|APA09856.1 SSCL|APA11547.1 SSCL|APA11662.1

>Orthogroup742: BCIN|XP\_024549546.1 CFRU|XP\_031876425.1 CFRU|XP\_031882218.1 CFRU|XP\_031883214.1 CGLO|KAF3801972.1 CGLO|KAF3804375.1 CGLO|KAF3808278.1 CHIG|XP\_018160184.1 CVIN|KAF4918323.1 CVIN|KAF4919801.1 CVYL|A00616 CVYL|A02407 CVYL|A04068 FGRM|XP\_011321912.1 FGRM|XP\_011325257.1 FGRM|XP\_011327341.1 MORY|QBZ53587.1 MORY|QBZ53624.1 MORY|QBZ54074.1 MORY|QBZ58310.1 NCRA|XP\_011394767.1 NCRA|XP\_965607.1 SSCL|APA11301.1

>Orthogroup743: BCIN|XP\_001558573.1 BCIN|XP\_024550410.1 BGRA|VDB88179.1 CFRU|XP\_031880345.1 CFRU|XP\_031883063.1 CGLO|KAF3807323.1 CGLO|KAF3808246.1 CHIG|XP\_018163168.1 CVIN|KAF4909564.1 CVIN|KAF4918106.1 CVYL|A00582 CVYL|A10809 FGRM|XP\_011320527.1 FGRM|XP\_011326174.1 MGRA|XP\_003848840.1 MGRA|XP\_003853463.1 MLAR|XP\_007413471.1 MLAR|XP\_007414136.1 MLAR|XP\_007418141.1 MORY|QBZ57837.1 NCRA|XP\_959284.3 SSCL|APA11107.1 SSCL|APA14641.1

>Orthogroup744: BCIN|XP\_024550619.1 BCIN|XP\_024551653.1 CFRU|XP\_031877942.1 CFRU|XP\_031880889.1 CFRU|XP\_031889177.1 CGLO|KAF3797657.1 CGLO|KAF3806881.1 CGLO|KAF3810924.1 CHIG|XP\_018154913.1 CHIG|XP\_018155431.1 CHIG|XP\_018159583.1 CVIN|KAF4894664.1 CVIN|KAF4909512.1 CVIN|KAF4919375.1 CVYL|A01113 CVYL|A02221 CVYL|A02526 FGRM|XP\_011318131.1 FGRM|XP\_011318594.1 FGRM|XP\_011325705.1 MORY|QBZ58635.1 NCRA|XP\_960304.3 SSCL|APA14772.1

>Orthogroup745: BCIN|XP\_024551106.1 CFRU|XP\_031881853.1 CFRU|XP\_031883095.1 CFRU|XP\_031891626.1 CFRU|XP\_031892974.1 CGLO|KAF3804604.1 CGLO|KAF3808322.1 CHIG|XP\_018151561.1 CHIG|XP\_018161678.1 CHIG|XP\_018163625.1 CVIN|KAF4919101.1 CVYL|A00654 CVYL|A05276 CVYL|A10835 FGRM|XP\_011319449.1 FGRM|XP\_011319567.1 FGRM|XP\_011320584.1 MORY|QBZ55167.1 MORY|QBZ61151.1 MORY|QBZ61198.1 NCRA|XP\_011393650.1 SSCL|APA16178.1 SSCL|APA16179.1

>Orthogroup746: BCIN|XP\_024552423.1 BCIN|XP\_024553844.1 BGRA|VDB93397.1 CFRU|XP\_031877204.1 CFRU|XP\_031877205.1 CGLO|KAF3806420.1 CGLO|KAF3806421.1 CGLO|KAF3806422.1 CHIG|XP\_018162305.1 CHIG|XP\_018162306.1 CHIG|XP\_018162307.1 CVIN|KAF4918039.1 CVIN|KAF4918040.1 CVIN|KAF4918058.1 CVYL|A12014 CVYL|A12015 FGRM|XP\_011324129.1 FGRM|XP\_011324134.1 MORY|QBZ55759.1 MORY|QBZ55761.1 NCRA|XP\_011393822.1 SSCL|APA14965.1 SSCL|APA15230.1

>Orthogroup747: BCIN|XP\_001558302.1 CFRU|XP\_031889323.1 CGLO|KAF3803092.1 CVIN|KAF4929555.1 CVYL|A00984 FGRM|XP\_011327472.1 MGRA|XP\_003856719.1 MLAR|XP\_007405304.1 MLAR|XP\_007405305.1 MLAR|XP\_007405306.1 MLAR|XP\_007405581.1 MLAR|XP\_007406335.1 MLAR|XP\_007408510.1 MLAR|XP\_007408651.1 MLAR|XP\_007411708.1 MLAR|XP\_007414334.1 MLAR|XP\_007414359.1 MLAR|XP\_007414481.1 MLAR|XP\_007414514.1 MLAR|XP\_007415709.1 MLAR|XP\_007416459.1 MORY|QBZ62742.1 SSCL|APA13687.1

>Orthogroup748: BGRA|VCU38972.1 BGRA|VCU38973.1 BGRA|VCU38975.1 BGRA|VCU38976.1 BGRA|VCU38977.1 BGRA|VCU38980.1 BGRA|VCU38982.1 BGRA|VCU38983.1 BGRA|VCU38988.1 BGRA|VCU38989.1 BGRA|VCU38991.1 BGRA|VCU38992.1 BGRA|VCU39592.1 BGRA|VDB88077.1 BGRA|VDB91137.1 BGRA|VDB91138.1 BGRA|VDB91139.1 BGRA|VDB91140.1 BGRA|VDB91142.1 BGRA|VDB91145.1 BGRA|VDB91148.1 BGRA|VDB91149.1 BGRA|VDB91151.1

>Orthogroup749: CFRU|XP\_031878097.1 CHIG|XP\_018151026.1 CVYL|A12860 FGRM|XP\_011318369.1 FGRM|XP\_011319611.1 FGRM|XP\_011320683.1 FGRM|XP\_011320684.1 FGRM|XP\_011320802.1 FGRM|XP\_011320938.1 FGRM|XP\_011321092.1 FGRM|XP\_011321173.1 FGRM|XP\_011321809.1 FGRM|XP\_011322277.1 FGRM|XP\_011322574.1 FGRM|XP\_011322685.1 FGRM|XP\_011322905.1 FGRM|XP\_011322916.1 FGRM|XP\_011323299.1 FGRM|XP\_011324654.1 FGRM|XP\_011325096.1 FGRM|XP\_011325930.1 FGRM|XP\_011325970.1 FGRM|XP\_011328652.1

>Orthogroup750: MLAR|XP\_007404004.1 MLAR|XP\_007404237.1 MLAR|XP\_007405768.1 MLAR|XP\_007405844.1 MLAR|XP\_007406152.1 MLAR|XP\_007406615.1 MLAR|XP\_007406700.1 MLAR|XP\_007407910.1 MLAR|XP\_007408216.1 MLAR|XP\_007411824.1 MLAR|XP\_007412007.1 MLAR|XP\_007413182.1 MLAR|XP\_007413183.1 MLAR|XP\_007415001.1 MLAR|XP\_007415228.1 MLAR|XP\_007415261.1 MLAR|XP\_007416688.1 MLAR|XP\_007417622.1 MLAR|XP\_007418705.1 MLAR|XP\_007419059.1 MLAR|XP\_007419247.1 MLAR|XP\_007419251.1 MLAR|XP\_007419551.1

>Orthogroup751: MLAR|XP\_007405408.1 MLAR|XP\_007405410.1 MLAR|XP\_007406015.1 MLAR|XP\_007406016.1 MLAR|XP\_007406203.1 MLAR|XP\_007406204.1 MLAR|XP\_007406205.1 MLAR|XP\_007406222.1 MLAR|XP\_007406444.1 MLAR|XP\_007407520.1 MLAR|XP\_007408023.1 MLAR|XP\_007408068.1 MLAR|XP\_007408072.1 MLAR|XP\_007408075.1 MLAR|XP\_007408252.1 MLAR|XP\_007408254.1 MLAR|XP\_007408260.1 MLAR|XP\_007408295.1 MLAR|XP\_007408315.1 MLAR|XP\_007410243.1 MLAR|XP\_007416231.1 MLAR|XP\_007416232.1 MLAR|XP\_007419835.1

>Orthogroup752: MLAR|XP\_007405205.1 MLAR|XP\_007405353.1 MLAR|XP\_007405527.1 MLAR|XP\_007407107.1 MLAR|XP\_007407803.1 MLAR|XP\_007408165.1 MLAR|XP\_007408317.1 MLAR|XP\_007408720.1 MLAR|XP\_007408964.1 MLAR|XP\_007410909.1 MLAR|XP\_007410912.1 MLAR|XP\_007411892.1 MLAR|XP\_007414200.1 MLAR|XP\_007414436.1 MLAR|XP\_007415417.1 MLAR|XP\_007415418.1 MLAR|XP\_007415505.1 MLAR|XP\_007415753.1 MLAR|XP\_007417269.1 MLAR|XP\_007419124.1 MLAR|XP\_007419125.1 MLAR|XP\_007419325.1 MLAR|XP\_007419531.1

>Orthogroup753: MLAR|XP\_007405071.1 MLAR|XP\_007406068.1 MLAR|XP\_007406944.1 MLAR|XP\_007406950.1 MLAR|XP\_007408820.1 MLAR|XP\_007409089.1 MLAR|XP\_007409229.1 MLAR|XP\_007412626.1 MLAR|XP\_007413473.1 MLAR|XP\_007413855.1 MLAR|XP\_007414158.1 MLAR|XP\_007414159.1 MLAR|XP\_007414224.1 MLAR|XP\_007414311.1 MLAR|XP\_007414411.1 MLAR|XP\_007414862.1 MLAR|XP\_007414863.1 MLAR|XP\_007415682.1 MLAR|XP\_007417028.1 MLAR|XP\_007417574.1 MLAR|XP\_007418391.1 MLAR|XP\_007419155.1 MLAR|XP\_007419234.1

>Orthogroup754: MLAR|XP\_007405109.1 MLAR|XP\_007405257.1 MLAR|XP\_007406189.1 MLAR|XP\_007406190.1 MLAR|XP\_007408297.1 MLAR|XP\_007408303.1 MLAR|XP\_007408408.1 MLAR|XP\_007408417.1 MLAR|XP\_007408418.1 MLAR|XP\_007408987.1 MLAR|XP\_007410437.1 MLAR|XP\_007410543.1 MLAR|XP\_007410544.1 MLAR|XP\_007410979.1 MLAR|XP\_007411004.1 MLAR|XP\_007411455.1 MLAR|XP\_007411456.1 MLAR|XP\_007413625.1 MLAR|XP\_007414402.1 MLAR|XP\_007414914.1 MLAR|XP\_007419387.1 MLAR|XP\_007419388.1 MLAR|XP\_007419416.1

>Orthogroup755: MLAR|XP\_007407951.1 MLAR|XP\_007412557.1 SSCL|APA06072.1 SSCL|APA07163.1 SSCL|APA08422.1 SSCL|APA08428.1 SSCL|APA08597.1 SSCL|APA08680.1 SSCL|APA09322.1 SSCL|APA09327.1 SSCL|APA09333.1 SSCL|APA09334.1 SSCL|APA13385.1 SSCL|APA13802.1 SSCL|APA13803.1 SSCL|APA14393.1 SSCL|APA14489.1 SSCL|APA14931.1 SSCL|APA14966.1 SSCL|APA15265.1 SSCL|APA15332.1 SSCL|APA15816.1 SSCL|APA15817.1

>Orthogroup756: ANID|CBF69699.1 BCIN|XP\_024549787.1 BGRA|VCU40140.1 CFRU|XP\_031880532.1 CFRU|XP\_031885745.1 CFRU|XP\_031893121.1 CGLO|KAF3808087.1 CGLO|KAF3810023.1 CGLO|KAF3811524.1 CHIG|XP\_018157752.1 CHIG|XP\_018160782.1 CVIN|KAF4917928.1 CVIN|KAF4920620.1 CVIN|KAF4926771.1 CVYL|A04734 FGRM|XP\_011315850.1 FGRM|XP\_011324817.1 MGRA|XP\_003849108.1 MLAR|XP\_007407553.1 MORY|QBZ56626.1 NCRA|XP\_961829.1 SSCL|APA05735.1

>Orthogroup757: ANID|CBF69884.1 ANID|CBF89553.1 BCIN|XP\_001551009.1 BCIN|XP\_024552000.1 BCIN|XP\_024553918.1 CFRU|XP\_031883448.1 CFRU|XP\_031884104.1 CGLO|KAF3800584.1 CGLO|KAF3811034.1 CHIG|XP\_018152095.1 CHIG|XP\_018153009.1 CVIN|KAF4926893.1 CVIN|KAF4927112.1 CVYL|A09765 CVYL|A13130 FGRM|XP\_011316220.1 FGRM|XP\_011321277.1 MGRA|XP\_003855778.1 MORY|QBZ55851.1 NCRA|XP\_963409.1 SSCL|APA07049.1 SSCL|APA09650.1

>Orthogroup758: ANID|CBF70070.1 BCIN|XP\_024547853.1 BGRA|VDB84050.1 CFRU|XP\_031885416.1 CFRU|XP\_031891051.1 CGLO|KAF3799423.1 CGLO|KAF3811684.1 CHIG|XP\_018152295.1 CVIN|KAF4915932.1 CVIN|KAF4931739.1 CVYL|A03068 CVYL|A12707 CVYL|A13287 FGRM|XP\_011323659.1 MGRA|XP\_003854922.1 MLAR|XP\_007404872.1 MLAR|XP\_007412693.1 MLAR|XP\_007412924.1 MLAR|XP\_007412925.1 MORY|QBZ64838.1 NCRA|XP\_955875.1 SSCL|APA08171.1

>Orthogroup759: ANID|CBF70112.1 CFRU|XP\_031880901.1 CFRU|XP\_031882203.1 CFRU|XP\_031882955.1 CFRU|XP\_031889463.1 CFRU|XP\_031891238.1 CFRU|XP\_031891239.1 CGLO|KAF3804392.1 CGLO|KAF3808311.1 CGLO|KAF3808877.1 CHIG|XP\_018155627.1 CHIG|XP\_018156935.1 CHIG|XP\_018157662.1 CHIG|XP\_018159668.1 CVIN|KAF4919104.1 CVIN|KAF4924081.1 CVIN|KAF4930993.1 CVIN|KAF4931003.1 CVYL|A01204 CVYL|A04088 MGRA|XP\_003848292.1 NCRA|XP\_011395337.1

>Orthogroup760: ANID|CBF70552.1 BCIN|XP\_024547970.1 BCIN|XP\_024547971.1 BGRA|VCU39366.1 CFRU|XP\_031876523.1 CFRU|XP\_031876530.1 CGLO|KAF3811501.1 CHIG|XP\_018160756.1 CHIG|XP\_018160757.1 CVIN|KAF4926795.1 CVYL|A04706 FGRM|XP\_011317797.1 FGRM|XP\_011317798.1 MGRA|XP\_003852239.1 MGRA|XP\_003852244.1 MLAR|XP\_007403573.1 MORY|QBZ58739.1 MORY|QBZ58740.1 NCRA|XP\_962228.2 NCRA|XP\_962401.1 SSCL|APA08368.1 SSCL|APA08369.1

>Orthogroup761: ANID|CBF70758.1 ANID|CBF83221.1 ANID|CBF86316.1 BCIN|XP\_024551055.1 BCIN|XP\_024552046.1 CFRU|XP\_031876716.1 CFRU|XP\_031890881.1 CVIN|KAF4903833.1 CVIN|KAF4918474.1 CVYL|A09410 CVYL|A12657 FGRM|XP\_011321169.1 FGRM|XP\_011328017.1 MGRA|XP\_003849756.1 MGRA|XP\_003854138.1 MLAR|XP\_007409920.1 MORY|QBZ53665.1 MORY|QBZ56203.1 NCRA|XP\_956141.2 NCRA|XP\_959681.3 SSCL|APA11989.1 SSCL|APA12813.1

>Orthogroup762: ANID|CBF70907.1 ANID|CBF70920.1 BCIN|XP\_001549858.2 BCIN|XP\_024552524.1 BGRA|VDB84311.1 CFRU|XP\_031887009.1 CFRU|XP\_031887010.1 CGLO|KAF3811228.1 CHIG|XP\_018160415.1 CHIG|XP\_018160416.1 CVIN|KAF4931214.1 CVIN|KAF4931215.1 CVYL|A04396 CVYL|A04398 FGRM|XP\_011323650.1 FGRM|XP\_011323651.1 MGRA|XP\_003849088.1 MORY|QBZ64686.1 NCRA|XP\_011394826.1 NCRA|XP\_961206.3 SSCL|APA08248.1 SSCL|APA08604.1

>Orthogroup763: ANID|CBF71386.1 ANID|CBF73480.1 ANID|CBF78384.1 ANID|CBF87739.1 BCIN|XP\_024547378.1 BCIN|XP\_024554057.1 CFRU|XP\_031884253.1 CFRU|XP\_031893233.1 CFRU|XP\_031893550.1 CGLO|KAF3799996.1 CGLO|KAF3800810.1 CHIG|XP\_018152553.1 CVIN|KAF4922475.1 CVIN|KAF4925014.1 CVYL|A08402 CVYL|A08741 CVYL|A10212 FGRM|XP\_011323159.1 FGRM|XP\_011325276.1 NCRA|XP\_011393545.1 SSCL|APA06953.1 SSCL|APA14382.1

>Orthogroup764: ANID|CBF71442.1 ANID|CBF84572.1 BCIN|XP\_001551763.1 BCIN|XP\_024547099.1 BCIN|XP\_024549079.1 CFRU|XP\_031886742.1 CGLO|KAF3806766.1 CHIG|XP\_018156859.1 CHIG|XP\_018158781.1 CVIN|KAF4905656.1 CVYL|A04979 FGRM|XP\_011316365.1 FGRM|XP\_011321162.1 MGRA|XP\_003855674.1 MLAR|XP\_007412908.1 MORY|QBZ60362.1 MORY|QBZ63804.1 NCRA|XP\_963760.2 NCRA|XP\_965261.2 SSCL|APA11990.1 SSCL|APA13999.1 SSCL|APA15866.1

>Orthogroup765: ANID|CBF71829.1 ANID|CBF77732.1 ANID|CBF80612.1 ANID|CBF85763.1 BCIN|XP\_001553310.1 BCIN|XP\_001559548.1 CFRU|XP\_031881624.1 CFRU|XP\_031887950.1 CFRU|XP\_031889358.1 CGLO|KAF3802118.1 CGLO|KAF3803135.1 CGLO|KAF3807418.1 CHIG|XP\_018154257.1 CVIN|KAF4906631.1 CVIN|KAF4912439.1 CVYL|A03276 CVYL|A10917 FGRM|XP\_011327676.1 MGRA|XP\_003853555.1 MGRA|XP\_003854688.1 MGRA|XP\_003857453.1 SSCL|APA11699.1

>Orthogroup766: ANID|CBF73461.1 BCIN|XP\_001547719.2 BCIN|XP\_001549374.1 BCIN|XP\_001549601.1 BCIN|XP\_001552261.2 BCIN|XP\_024549438.1 CFRU|XP\_031879603.1 CFRU|XP\_031883594.1 CFRU|XP\_031888032.1 CGLO|KAF3798282.1 CGLO|KAF3802758.1 CGLO|KAF3811955.1 CHIG|XP\_018155083.1 CVIN|KAF4894662.1 CVYL|A06110 CVYL|A08082 FGRM|XP\_011318241.1 FGRM|XP\_011321466.1 MGRA|XP\_003854449.1 NCRA|XP\_960170.2 SSCL|APA09950.1 SSCL|APA13045.1

>Orthogroup767: ANID|CBF74015.1 ANID|CBF80436.1 ANID|CBF85516.1 BCIN|XP\_024553382.1 CFRU|XP\_031877298.1 CFRU|XP\_031889004.1 CFRU|XP\_031889461.1 CGLO|KAF3798212.1 CGLO|KAF3804194.1 CGLO|KAF3806827.1 CGLO|KAF3808879.1 CHIG|XP\_018155758.1 CVIN|KAF4905165.1 CVIN|KAF4909278.1 CVIN|KAF4918387.1 CVYL|A01203 CVYL|A03869 FGRM|XP\_011319681.1 FGRM|XP\_011321732.1 MGRA|XP\_003847708.1 MGRA|XP\_003856766.1 SSCL|APA13722.1

>Orthogroup768: ANID|CBF74562.1 ANID|CBF83070.1 BCIN|XP\_024552557.1 BGRA|VDB91229.1 CFRU|XP\_031885698.1 CFRU|XP\_031892058.1 CGLO|KAF3801293.1 CGLO|KAF3810212.1 CHIG|XP\_018157835.1 CHIG|XP\_018164851.1 CVIN|KAF4921565.1 CVIN|KAF4929141.1 CVYL|A02808 CVYL|A07794 FGRM|XP\_011320320.1 FGRM|XP\_011322150.1 FGRM|XP\_011322555.1 MGRA|XP\_003853349.1 MLAR|XP\_007406223.1 MORY|QBZ62137.1 NCRA|XP\_957526.1 SSCL|APA08658.1

>Orthogroup769: ANID|CBF74671.1 BCIN|XP\_001551929.1 BCIN|XP\_024547985.1 BCIN|XP\_024550280.1 CFRU|XP\_031888904.1 CGLO|KAF3804204.1 CHIG|XP\_018151536.1 CHIG|XP\_018151550.1 CHIG|XP\_018154134.1 CHIG|XP\_018159351.1 CHIG|XP\_018160009.1 CVYL|A03878 CVYL|A08088 FGRM|XP\_011317987.1 FGRM|XP\_011322214.1 MGRA|XP\_003856684.1 MORY|QBZ65325.1 SSCL|APA08353.1 SSCL|APA10949.1 SSCL|APA11156.1 SSCL|APA14169.1 SSCL|APA14170.1

>Orthogroup770: ANID|CBF75094.1 ANID|CBF80569.1 BCIN|XP\_001553683.1 CFRU|XP\_031878470.1 CFRU|XP\_031884408.1 CGLO|KAF3798621.1 CGLO|KAF3810332.1 CHIG|XP\_018151081.1 CHIG|XP\_018158349.1 CVIN|KAF4895355.1 CVIN|KAF4930150.1 CVYL|A04825 CVYL|A05772 FGRM|XP\_011323407.1 FGRM|XP\_011326138.1 MGRA|XP\_003847579.1 MGRA|XP\_003856003.1 MORY|QBZ56724.1 MORY|QBZ57557.1 MORY|QBZ61944.1 NCRA|XP\_957507.1 SSCL|APA13476.1

>Orthogroup771: ANID|CBF75273.1 ANID|CBF81678.1 CFRU|XP\_031877069.1 CFRU|XP\_031877082.1 CFRU|XP\_031886073.1 CFRU|XP\_031889283.1 CGLO|KAF3807972.1 CGLO|KAF3807980.1 CGLO|KAF3808903.1 CGLO|KAF3811105.1 CHIG|XP\_018152962.1 CHIG|XP\_018155786.1 CVIN|KAF4911087.1 CVIN|KAF4914517.1 CVYL|A01193 CVYL|A05623 CVYL|A07979 FGRM|XP\_011320772.1 FGRM|XP\_011320785.1 MGRA|XP\_003849861.1 MORY|QBZ65376.1 MORY|QBZ65400.1

>Orthogroup772: ANID|CBF76674.1 ANID|CBF87179.1 ANID|CBF89226.1 BCIN|XP\_001556317.1 BCIN|XP\_024553806.1 CFRU|XP\_031886045.1 CFRU|XP\_031886049.1 CGLO|KAF3801148.1 CGLO|KAF3805776.1 CHIG|XP\_018155215.1 CHIG|XP\_018155216.1 CVIN|KAF4904487.1 CVIN|KAF4904488.1 CVYL|A05699 CVYL|A05700 FGRM|XP\_011318625.1 FGRM|XP\_011321878.1 FGRM|XP\_011323087.1 MGRA|XP\_003847932.1 MORY|QBZ54296.1 SSCL|APA08746.1 SSCL|APA15261.1

>Orthogroup773: ANID|CBF76694.1 ANID|CBF78301.1 ANID|CBF79587.1 ANID|CBF84735.1 BCIN|XP\_001559791.1 BCIN|XP\_024546666.1 BCIN|XP\_024548787.1 CFRU|XP\_031875843.1 CGLO|KAF3805550.1 CHIG|XP\_018155404.1 CVIN|KAF4890965.1 CVYL|A05673 FGRM|XP\_011318857.1 FGRM|XP\_011325461.1 MGRA|XP\_003849046.1 MGRA|XP\_003852087.1 MGRA|XP\_003853318.1 MGRA|XP\_003855697.1 NCRA|XP\_959585.2 SSCL|APA09673.1 SSCL|APA09674.1 SSCL|APA09857.1

>Orthogroup774: ANID|CBF77738.1 ANID|CBF79739.1 ANID|CBF83950.1 ANID|CBF84236.1 ANID|CBF89583.1 BCIN|XP\_024552093.1 CFRU|XP\_031877321.1 CFRU|XP\_031882576.1 CGLO|KAF3801118.1 CGLO|KAF3803937.1 CHIG|XP\_018151009.1 CVIN|KAF4903543.1 CVYL|A11282 FGRM|XP\_011323841.1 FGRM|XP\_011323842.1 MGRA|XP\_003849449.1 MORY|QBZ56207.1 MORY|QBZ65853.1 NCRA|XP\_962611.1 SSCL|APA12880.1 SSCL|APA12881.1 SSCL|APA12882.1

>Orthogroup775: ANID|CBF77969.1 BCIN|XP\_024549026.1 BCIN|XP\_024552800.1 CFRU|XP\_031883369.1 CFRU|XP\_031889824.1 CGLO|KAF3801704.1 CGLO|KAF3810606.1 CHIG|XP\_018158966.1 CHIG|XP\_018159211.1 CHIG|XP\_018159324.1 CHIG|XP\_018164444.1 CVIN|KAF4908273.1 CVIN|KAF4915632.1 CVYL|A12993 CVYL|A13688 FGRM|XP\_011320404.1 MGRA|XP\_003848920.1 MGRA|XP\_003853762.1 MORY|QBZ54714.1 MORY|QBZ62255.1 NCRA|XP\_957636.2 SSCL|APA09288.1

>Orthogroup776: ANID|CBF78094.1 CFRU|XP\_031878916.1 CFRU|XP\_031879078.1 CFRU|XP\_031883892.1 CFRU|XP\_031885207.1 CGLO|KAF3798807.1 CGLO|KAF3800346.1 CGLO|KAF3805079.1 CGLO|KAF3807839.1 CHIG|XP\_018151195.1 CHIG|XP\_018154474.1 CHIG|XP\_018155651.1 CHIG|XP\_018162093.1 CHIG|XP\_018163434.1 CVIN|KAF4914529.1 CVIN|KAF4919594.1 CVIN|KAF4927428.1 CVYL|A06480 CVYL|A07475 CVYL|A09123 FGRM|XP\_011325837.1 MORY|QBZ60157.1

>Orthogroup777: ANID|CBF78107.1 ANID|CBF79856.1 ANID|CBF82302.1 ANID|CBF84554.1 BCIN|XP\_001560717.1 BCIN|XP\_024551711.1 CFRU|XP\_031876838.1 CFRU|XP\_031879099.1 CGLO|KAF3797972.1 CGLO|KAF3798814.1 CHIG|XP\_018151208.1 CHIG|XP\_018153305.1 CVYL|A02001 CVYL|A09116 FGRM|XP\_011319543.1 MGRA|XP\_003849467.1 MGRA|XP\_003851329.1 MGRA|XP\_003855326.1 MORY|QBZ64536.1 MORY|QBZ66517.1 NCRA|XP\_961770.2 SSCL|APA07976.1

>Orthogroup778: ANID|CBF78140.1 ANID|CBF84388.1 ANID|CBF85130.1 BCIN|XP\_024547532.1 BCIN|XP\_024548509.1 BCIN|XP\_024548546.1 CFRU|XP\_031878755.1 CFRU|XP\_031890094.1 CGLO|KAF3797561.1 CGLO|KAF3810380.1 CHIG|XP\_018151099.1 CVIN|KAF4909107.1 CVIN|KAF4923587.1 CVYL|A05732 CVYL|A08985 FGRM|XP\_011318719.1 FGRM|XP\_011320879.1 MGRA|XP\_003848247.1 MLAR|XP\_007405534.1 MORY|QBZ61918.1 SSCL|APA07714.1 SSCL|APA12133.1

>Orthogroup779: ANID|CBF78242.1 ANID|CBF84015.1 CFRU|XP\_031878601.1 CFRU|XP\_031879891.1 CFRU|XP\_031887972.1 CFRU|XP\_031888633.1 CGLO|KAF3797605.1 CGLO|KAF3804270.1 CGLO|KAF3805188.1 CHIG|XP\_018156497.1 CVIN|KAF4899212.1 CVIN|KAF4905171.1 CVIN|KAF4909069.1 CVYL|A03387 CVYL|A03952 CVYL|A07965 FGRM|XP\_011322305.1 FGRM|XP\_011322880.1 FGRM|XP\_011322893.1 FGRM|XP\_011323176.1 MGRA|XP\_003854333.1 MORY|QBZ57519.1

>Orthogroup780: ANID|CBF78363.1 BCIN|XP\_001559444.1 BCIN|XP\_024550015.1 CFRU|XP\_031876732.1 CFRU|XP\_031883813.1 CGLO|KAF3798680.1 CGLO|KAF3805690.1 CHIG|XP\_018157476.1 CVIN|KAF4918495.1 CVIN|KAF4920675.1 CVYL|A09418 CVYL|A09859 FGRM|XP\_011315841.1 FGRM|XP\_011318232.1 FGRM|XP\_011325264.1 FGRM|XP\_011328116.1 MGRA|XP\_003849970.1 MGRA|XP\_003853680.1 MORY|QBZ56620.1 NCRA|XP\_011394095.1 SSCL|APA05350.1 SSCL|APA07655.1

>Orthogroup781: ANID|CBF78395.1 ANID|CBF80363.1 ANID|CBF85220.1 ANID|CBF88085.1 BCIN|XP\_001557989.1 CFRU|XP\_031892095.1 CFRU|XP\_031892291.1 CGLO|KAF3800122.1 CGLO|KAF3801281.1 CHIG|XP\_018164856.1 CHIG|XP\_018165058.1 CVIN|KAF4921591.1 CVIN|KAF4925809.1 CVYL|A06810 CVYL|A07806 FGRM|XP\_011321753.1 MGRA|XP\_003854689.1 MLAR|XP\_007410180.1 MLAR|XP\_007413163.1 MORY|QBZ58228.1 NCRA|XP\_957989.1 SSCL|APA12691.1

>Orthogroup782: ANID|CBF78431.1 BCIN|XP\_001554584.1 BGRA|VCU40015.1 BGRA|VCU40016.1 BGRA|VCU40017.1 CFRU|XP\_031875286.1 CFRU|XP\_031875324.1 CFRU|XP\_031875345.1 CFRU|XP\_031875377.1 CFRU|XP\_031888587.1 CFRU|XP\_031892065.1 CGLO|KAF3797805.1 CGLO|KAF3801301.1 CHIG|XP\_018152614.1 CHIG|XP\_018156482.1 CHIG|XP\_018164839.1 CVIN|KAF4921599.1 CVIN|KAF4923127.1 CVYL|A03034 CVYL|A07785 FGRM|XP\_011325313.1 SSCL|APA11647.1

>Orthogroup783: ANID|CBF78505.1 ANID|CBF80082.1 ANID|CBF83361.1 BCIN|XP\_024547284.1 CFRU|XP\_031877616.1 CFRU|XP\_031886335.1 CGLO|KAF3801095.1 CGLO|KAF3806338.1 CGLO|KAF3806339.1 CHIG|XP\_018153746.1 CHIG|XP\_018156931.1 CHIG|XP\_018156932.1 CVIN|KAF4908676.1 CVIN|KAF4909540.1 CVYL|A11300 CVYL|A11927 FGRM|XP\_011327814.1 FGRM|XP\_011328551.1 MGRA|XP\_003849410.1 MORY|QBZ57919.1 MORY|QBZ65707.1 NCRA|XP\_959784.2

>Orthogroup784: ANID|CBF78741.1 ANID|CBF80738.1 BCIN|XP\_024546510.1 BCIN|XP\_024553453.1 CFRU|XP\_031877166.1 CFRU|XP\_031883793.1 CFRU|XP\_031890377.1 CGLO|KAF3803987.1 CGLO|KAF3806745.1 CHIG|XP\_018150952.1 CHIG|XP\_018158724.1 CVIN|KAF4919487.1 CVYL|A08812 CVYL|A14057 FGRM|XP\_011317664.1 MGRA|XP\_003850383.1 MGRA|XP\_003855498.1 MGRA|XP\_003856206.1 MLAR|XP\_007411262.1 NCRA|XP\_962358.1 SSCL|APA06737.1 SSCL|APA06738.1

>Orthogroup785: ANID|CBF78851.1 ANID|CBF88659.1 BCIN|XP\_001547940.1 BCIN|XP\_024548222.1 BCIN|XP\_024551341.1 CFRU|XP\_031881105.1 CFRU|XP\_031886492.1 CGLO|KAF3800442.1 CGLO|KAF3806222.1 CHIG|XP\_018161382.1 CHIG|XP\_018162057.1 CVIN|KAF4902816.1 CVIN|KAF4931463.1 CVYL|A01834 CVYL|A11812 FGRM|XP\_011325446.1 MGRA|XP\_003855455.1 MORY|QBZ55441.1 MORY|QBZ55737.1 NCRA|XP\_957817.2 SSCL|APA10528.1 SSCL|APA13609.1

>Orthogroup786: ANID|CBF79176.1 CFRU|XP\_031878191.1 CFRU|XP\_031885117.1 CFRU|XP\_031889881.1 CFRU|XP\_031893526.1 CGLO|KAF3807762.1 CGLO|KAF3808514.1 CGLO|KAF3809473.1 CGLO|KAF3810507.1 CHIG|XP\_018159108.1 CHIG|XP\_018163026.1 CVIN|KAF4891603.1 CVIN|KAF4920548.1 CVIN|KAF4921280.1 CVYL|A00836 CVYL|A10039 CVYL|A14112 FGRM|XP\_011317341.1 FGRM|XP\_011324488.1 MGRA|XP\_003848695.1 MGRA|XP\_003849279.1 MORY|QBZ65511.1

>Orthogroup787: ANID|CBF79215.1 BCIN|XP\_024552182.1 CFRU|XP\_031881021.1 CFRU|XP\_031885463.1 CGLO|KAF3800438.1 CGLO|KAF3806513.1 CHIG|XP\_018157550.1 CHIG|XP\_018161378.1 CVIN|KAF4901305.1 CVIN|KAF4921328.1 CVYL|A01828 CVYL|A09357 FGRM|XP\_011317658.1 FGRM|XP\_011320807.1 FGRM|XP\_011323756.1 MGRA|XP\_003852228.1 MLAR|XP\_007410514.1 MORY|QBZ58965.1 MORY|QBZ61186.1 MORY|QBZ64262.1 NCRA|XP\_957048.1 SSCL|APA13097.1

>Orthogroup788: ANID|CBF79472.1 ANID|CBF82008.1 BCIN|XP\_001545649.1 CFRU|XP\_031878748.1 CFRU|XP\_031881461.1 CGLO|KAF3798366.1 CGLO|KAF3800912.1 CGLO|KAF3802373.1 CHIG|XP\_018151118.1 CHIG|XP\_018163710.1 CVIN|KAF4920923.1 CVIN|KAF4923572.1 CVYL|A05988 CVYL|A09003 FGRM|XP\_011318152.1 FGRM|XP\_011324449.1 MGRA|XP\_003848938.1 MGRA|XP\_003854410.1 MLAR|XP\_007412903.1 MORY|QBZ63243.1 NCRA|XP\_958609.1 SSCL|APA15099.1

>Orthogroup789: ANID|CBF79544.1 ANID|CBF82829.1 BCIN|XP\_001547418.1 BCIN|XP\_001558719.1 BCIN|XP\_001559899.1 BGRA|VCU40700.1 CFRU|XP\_031888986.1 CGLO|KAF3799237.1 CHIG|XP\_018164841.1 CVIN|KAF4893589.1 CVYL|A10130 FGRM|XP\_011320614.1 MGRA|XP\_003847304.1 MGRA|XP\_003850561.1 MGRA|XP\_003853926.1 MGRA|XP\_003856686.1 MORY|QBZ63028.1 MORY|QBZ66339.1 NCRA|XP\_960546.1 NCRA|XP\_961165.1 SSCL|APA05637.1 SSCL|APA13528.1

>Orthogroup790: ANID|CBF80378.1 ANID|CBF82192.1 CFRU|XP\_031878192.1 CFRU|XP\_031881740.1 CFRU|XP\_031883859.1 CFRU|XP\_031888781.1 CFRU|XP\_031892436.1 CGLO|KAF3797070.1 CGLO|KAF3800623.1 CGLO|KAF3804209.1 CGLO|KAF3805044.1 CVIN|KAF4909770.1 CVIN|KAF4918199.1 CVIN|KAF4919727.1 CVYL|A03884 CVYL|A06510 CVYL|A13094 FGRM|XP\_011317594.1 FGRM|XP\_011320953.1 FGRM|XP\_011323346.1 MGRA|XP\_003847576.1 MGRA|XP\_003849265.1

>Orthogroup791: ANID|CBF80416.1 CFRU|XP\_031880132.1 CFRU|XP\_031892810.1 CFRU|XP\_031893432.1 CGLO|KAF3807196.1 CGLO|KAF3807198.1 CGLO|KAF3809448.1 CGLO|KAF3811839.1 CHIG|XP\_018152577.1 CHIG|XP\_018152578.1 CHIG|XP\_018153993.1 CHIG|XP\_018155469.1 CHIG|XP\_018157049.1 CVIN|KAF4924930.1 CVIN|KAF4928149.1 CVYL|A01134 CVYL|A10677 CVYL|A12841 MGRA|XP\_003853026.1 MORY|QBZ65455.1 NCRA|XP\_011395390.1 SSCL|APA15021.1

>Orthogroup792: ANID|CBF80469.1 ANID|CBF88791.1 BCIN|XP\_001557478.1 CFRU|XP\_031880130.1 CFRU|XP\_031889837.1 CFRU|XP\_031893115.1 CGLO|KAF3808345.1 CGLO|KAF3810433.1 CGLO|KAF3811776.1 CHIG|XP\_018152401.1 CVIN|KAF4918628.1 CVIN|KAF4924659.1 CVYL|A09504 CVYL|A12782 CVYL|A13767 FGRM|XP\_011317703.1 MGRA|XP\_003853935.1 MGRA|XP\_003855649.1 MLAR|XP\_007412003.1 MORY|QBZ54495.1 NCRA|XP\_961469.1 SSCL|APA10633.1

>Orthogroup793: ANID|CBF80656.1 ANID|CBF82934.1 ANID|CBF83105.1 BCIN|XP\_001557215.1 BCIN|XP\_024547030.1 BCIN|XP\_024552439.1 CFRU|XP\_031875532.1 CFRU|XP\_031876105.1 CGLO|KAF3807352.1 CGLO|KAF3807365.1 CHIG|XP\_018156871.1 CVIN|KAF4920084.1 CVIN|KAF4920089.1 CVYL|A10845 CVYL|A10860 FGRM|XP\_011319576.1 FGRM|XP\_011319884.1 FGRM|XP\_011320799.1 FGRM|XP\_011320800.1 MGRA|XP\_003852491.1 NCRA|XP\_958529.1 SSCL|APA14999.1

>Orthogroup794: ANID|CBF80781.1 BCIN|XP\_024547088.1 CFRU|XP\_031877097.1 CFRU|XP\_031878238.1 CFRU|XP\_031881424.1 CFRU|XP\_031887503.1 CGLO|KAF3803965.1 CGLO|KAF3805810.1 CGLO|KAF3807189.1 CGLO|KAF3808500.1 CHIG|XP\_018150977.1 CVIN|KAF4917718.1 CVIN|KAF4920213.1 CVIN|KAF4920907.1 CVIN|KAF4925144.1 CVYL|A03594 CVYL|A03595 CVYL|A06015 CVYL|A08836 CVYL|A11638 CVYL|A11639 SSCL|APA14501.1

>Orthogroup795: ANID|CBF81096.1 ANID|CBF87793.1 BCIN|XP\_001560614.1 CFRU|XP\_031884517.1 CFRU|XP\_031886107.1 CFRU|XP\_031891417.1 CGLO|KAF3799673.1 CGLO|KAF3804749.1 CGLO|KAF3805530.1 CHIG|XP\_018155368.1 CHIG|XP\_018158263.1 CHIG|XP\_018161822.1 CVIN|KAF4895371.1 CVIN|KAF4903563.1 CVIN|KAF4918285.1 CVYL|A05653 CVYL|A05838 FGRM|XP\_011317446.1 FGRM|XP\_011321892.1 MORY|QBZ61632.1 NCRA|XP\_964159.1 SSCL|APA07926.1

>Orthogroup796: ANID|CBF81941.1 BCIN|XP\_001551716.1 BCIN|XP\_024548744.1 BCIN|XP\_024548782.1 BGRA|VDB90481.1 BGRA|VDB90612.1 CFRU|XP\_031881226.1 CFRU|XP\_031885724.1 CGLO|KAF3802490.1 CGLO|KAF3810017.1 CHIG|XP\_018154791.1 CHIG|XP\_018164827.1 CHIG|XP\_018164876.1 CVIN|KAF4918986.1 CVYL|A02082 FGRM|XP\_011326106.1 MGRA|XP\_003852498.1 MGRA|XP\_003856585.1 MORY|QBZ60336.1 NCRA|XP\_958330.2 SSCL|APA10419.1 SSCL|APA11636.1

>Orthogroup797: ANID|CBF81973.1 BCIN|XP\_001559776.1 BCIN|XP\_024553234.1 BGRA|VDB83728.1 BGRA|VDB87826.1 CFRU|XP\_031878886.1 CFRU|XP\_031887611.1 CGLO|KAF3807145.1 CGLO|KAF3807863.1 CHIG|XP\_018160966.1 CHIG|XP\_018163048.1 CVIN|KAF4920165.1 CVIN|KAF4922623.1 CVYL|A00749 CVYL|A03545 FGRM|XP\_011324323.1 FGRM|XP\_011324876.1 MGRA|XP\_003855211.1 MORY|QBZ56306.1 NCRA|XP\_956917.2 SSCL|APA09663.1 SSCL|APA13617.1

>Orthogroup798: ANID|CBF82073.1 ANID|CBF88848.1 BCIN|XP\_024549392.1 BGRA|VDB94022.1 CFRU|XP\_031887737.1 CFRU|XP\_031887738.1 CGLO|KAF3807125.1 CGLO|KAF3807126.1 CHIG|XP\_018160948.1 CHIG|XP\_018160949.1 CVIN|KAF4920183.1 CVYL|A03523 FGRM|XP\_011324786.1 FGRM|XP\_011326149.1 MGRA|XP\_003848801.1 MGRA|XP\_003851618.1 MORY|QBZ56298.1 MORY|QBZ56299.1 NCRA|XP\_962302.1 NCRA|XP\_962303.1 SSCL|APA09050.1 SSCL|APA09191.1

>Orthogroup799: ANID|CBF82331.1 ANID|CBF84191.1 BCIN|XP\_001547571.1 BCIN|XP\_001548537.1 BCIN|XP\_001553529.1 BCIN|XP\_001558054.1 BCIN|XP\_001560056.1 BCIN|XP\_024546760.1 BCIN|XP\_024546955.1 BCIN|XP\_024551027.1 CFRU|XP\_031879094.1 CFRU|XP\_031887777.1 CGLO|KAF3798786.1 CGLO|KAF3803251.1 CHIG|XP\_018151246.1 CHIG|XP\_018161101.1 CVIN|KAF4915272.1 CVIN|KAF4928705.1 CVYL|A03683 CVYL|A09137 SSCL|APA11944.1 SSCL|APA12887.1

>Orthogroup800: ANID|CBF82377.1 BCIN|XP\_001549772.1 BCIN|XP\_001558404.1 CFRU|XP\_031878244.1 CFRU|XP\_031892389.1 CGLO|KAF3808509.1 CGLO|KAF3812281.1 CHIG|XP\_018153507.1 CVIN|KAF4917715.1 CVIN|KAF4919884.1 CVYL|A00102 CVYL|A11630 FGRM|XP\_011316094.1 FGRM|XP\_011326526.1 MGRA|XP\_003856222.1 MLAR|XP\_007403504.1 MORY|QBZ58309.1 MORY|QBZ62942.1 NCRA|XP\_958486.1 NCRA|XP\_958913.1 NCRA|XP\_965612.1 SSCL|APA06291.1

>Orthogroup801: ANID|CBF82718.1 ANID|CBF83929.1 ANID|CBF88692.1 BCIN|XP\_001559144.1 BGRA|VCU38893.1 CFRU|XP\_031875369.1 CFRU|XP\_031892672.1 CGLO|KAF3797269.1 CGLO|KAF3806327.1 CHIG|XP\_018157265.1 CVIN|KAF4920691.1 CVYL|A10422 FGRM|XP\_011320258.1 MGRA|XP\_003847425.1 MGRA|XP\_003848014.1 MGRA|XP\_003848042.1 MGRA|XP\_003848625.1 MGRA|XP\_003852068.1 MLAR|XP\_007405606.1 MORY|QBZ60390.1 NCRA|XP\_964300.1 SSCL|APA08955.1

>Orthogroup802: ANID|CBF82887.1 ANID|CBF87409.1 CFRU|XP\_031881084.1 CFRU|XP\_031881537.1 CFRU|XP\_031891900.1 CFRU|XP\_031893286.1 CGLO|KAF3800464.1 CGLO|KAF3805350.1 CGLO|KAF3809708.1 CHIG|XP\_018164916.1 CVIN|KAF4913606.1 CVIN|KAF4917588.1 CVIN|KAF4921916.1 CVIN|KAF4922481.1 CVYL|A01847 CVYL|A06632 CVYL|A08775 CVYL|A10992 MGRA|XP\_003849007.1 MORY|QBZ58373.1 MORY|QBZ59160.1 SSCL|APA15098.1

>Orthogroup803: ANID|CBF83046.1 ANID|CBF85573.1 CFRU|XP\_031876016.1 CFRU|XP\_031877023.1 CFRU|XP\_031877562.1 CFRU|XP\_031877594.1 CFRU|XP\_031879974.1 CFRU|XP\_031882544.1 CFRU|XP\_031883788.1 CGLO|KAF3811081.1 CHIG|XP\_018151679.1 CHIG|XP\_018152842.1 CHIG|XP\_018159352.1 CVIN|KAF4895025.1 CVIN|KAF4913923.1 CVIN|KAF4923473.1 CVYL|A07892 CVYL|A08638 CVYL|A09714 CVYL|A09919 FGRM|XP\_011322218.1 MGRA|XP\_003855179.1

>Orthogroup804: ANID|CBF83188.1 BCIN|XP\_024548404.1 BGRA|VCU39804.1 CFRU|XP\_031875740.1 CFRU|XP\_031885776.1 CGLO|KAF3797756.1 CGLO|KAF3810054.1 CHIG|XP\_018156424.1 CVIN|KAF4898734.1 CVIN|KAF4918822.1 CVYL|A02655 CVYL|A02656 CVYL|A02971 FGRM|XP\_011319663.1 FGRM|XP\_011324682.1 MGRA|XP\_003854699.1 MGRA|XP\_003857486.1 MLAR|XP\_007414084.1 MORY|QBZ59874.1 MORY|QBZ59894.1 NCRA|XP\_964372.3 SSCL|APA12293.1

>Orthogroup805: ANID|CBF83430.1 BCIN|XP\_024547617.1 BCIN|XP\_024552880.1 BGRA|VCU39617.1 CFRU|XP\_031886423.1 CFRU|XP\_031889266.1 CGLO|KAF3806246.1 CGLO|KAF3808840.1 CHIG|XP\_018155735.1 CHIG|XP\_018162084.1 CVIN|KAF4909990.1 CVIN|KAF4931537.1 CVYL|A01241 CVYL|A11836 FGRM|XP\_011318923.1 FGRM|XP\_011324009.1 MGRA|XP\_003856781.1 MLAR|XP\_007406709.1 MORY|QBZ53856.1 MORY|QBZ61506.1 NCRA|XP\_961418.2 SSCL|APA16098.1

>Orthogroup806: ANID|CBF83851.1 BCIN|XP\_001556891.1 BCIN|XP\_024549340.1 CFRU|XP\_031875829.1 CFRU|XP\_031884397.1 CFRU|XP\_031884492.1 CFRU|XP\_031892177.1 CGLO|KAF3799087.1 CGLO|KAF3805555.1 CHIG|XP\_018155407.1 CHIG|XP\_018164831.1 CVIN|KAF4893022.1 CVIN|KAF4918238.1 CVIN|KAF4921577.1 CVYL|A05677 CVYL|A07769 CVYL|A11443 FGRM|XP\_011323428.1 MGRA|XP\_003854830.1 MORY|QBZ60028.1 MORY|QBZ65405.1 SSCL|APA15819.1

>Orthogroup807: ANID|CBF84340.1 ANID|CBF87487.1 BCIN|XP\_024549486.1 CFRU|XP\_031878661.1 CFRU|XP\_031882067.1 CFRU|XP\_031890203.1 CGLO|KAF3797863.1 CGLO|KAF3798318.1 CGLO|KAF3802864.1 CHIG|XP\_018158451.1 CHIG|XP\_018164491.1 CVIN|KAF4899968.1 CVYL|A05157 CVYL|A07339 FGRM|XP\_011321915.1 FGRM|XP\_011325033.1 MGRA|XP\_003850541.1 MGRA|XP\_003850544.1 MORY|QBZ60571.1 NCRA|XP\_959082.1 NCRA|XP\_960454.1 SSCL|APA09156.1

>Orthogroup808: ANID|CBF84500.1 BCIN|XP\_024547214.1 BCIN|XP\_024550104.1 BCIN|XP\_024553062.1 BGRA|VCU39870.1 CFRU|XP\_031884764.1 CFRU|XP\_031885133.1 CGLO|KAF3804976.1 CGLO|KAF3807783.1 CGLO|KAF3812103.1 CHIG|XP\_018163009.1 CVIN|KAF4918128.1 CVIN|KAF4921492.1 CVIN|KAF4927114.1 CVYL|A00294 CVYL|A00818 CVYL|A09800 FGRM|XP\_011319390.1 FGRM|XP\_011322727.1 FGRM|XP\_011324281.1 MGRA|XP\_003853896.1 MGRA|XP\_003857511.1

>Orthogroup809: ANID|CBF86098.1 BCIN|XP\_001547607.1 CFRU|XP\_031877892.1 CFRU|XP\_031880203.1 CFRU|XP\_031889747.1 CGLO|KAF3804070.1 CGLO|KAF3805914.1 CGLO|KAF3809020.1 CGLO|KAF3810913.1 CHIG|XP\_018154947.1 CHIG|XP\_018158926.1 CVIN|KAF4893529.1 CVIN|KAF4898933.1 CVYL|A01593 CVYL|A02231 CVYL|A13795 FGRM|XP\_011322107.1 FGRM|XP\_011322728.1 MGRA|XP\_003850001.1 MORY|QBZ56195.1 NCRA|XP\_958210.1 SSCL|APA14341.1

>Orthogroup810: ANID|CBF86383.1 BCIN|XP\_001547522.1 BCIN|XP\_024549166.1 CFRU|XP\_031884267.1 CFRU|XP\_031889950.1 CFRU|XP\_031890308.1 CFRU|XP\_031892332.1 CGLO|KAF3797153.1 CGLO|KAF3802824.1 CGLO|KAF3803790.1 CGLO|KAF3810393.1 CHIG|XP\_018151960.1 CHIG|XP\_018158384.1 CHIG|XP\_018158429.1 CVIN|KAF4892834.1 CVIN|KAF4905810.1 CVYL|A10546 CVYL|A12421 CVYL|A12428 MGRA|XP\_003852684.1 SSCL|APA08774.1 SSCL|APA10819.1

>Orthogroup811: ANID|CBF87576.1 BCIN|XP\_001550058.2 BCIN|XP\_024552784.1 BGRA|VCU39684.1 BGRA|VCU39685.1 CFRU|XP\_031883279.1 CFRU|XP\_031883280.1 CGLO|KAF3800518.1 CGLO|KAF3800519.1 CHIG|XP\_018152175.1 CHIG|XP\_018152176.1 CVIN|KAF4919231.1 CVIN|KAF4919232.1 CVYL|A13196 FGRM|XP\_011317360.1 FGRM|XP\_011317361.1 MORY|QBZ53926.1 MORY|QBZ53927.1 NCRA|XP\_956624.2 NCRA|XP\_956625.1 SSCL|APA07515.1 SSCL|APA16058.1

>Orthogroup812: ANID|CBF87983.1 BCIN|XP\_024551769.1 BGRA|VDB89623.1 CFRU|XP\_031879849.1 CFRU|XP\_031893543.1 CGLO|KAF3803016.1 CGLO|KAF3808117.1 CHIG|XP\_018152817.1 CHIG|XP\_018153565.1 CVIN|KAF4920630.1 CVIN|KAF4929915.1 CVYL|A00029 CVYL|A08118 FGRM|XP\_011316311.1 FGRM|XP\_011317969.1 MGRA|XP\_003856770.1 MLAR|XP\_007408124.1 MLAR|XP\_007409836.1 MORY|QBZ55068.1 MORY|QBZ55444.1 NCRA|XP\_961677.1 SSCL|APA14622.1

>Orthogroup813: ANID|CBF88630.1 BCIN|XP\_001549453.1 BCIN|XP\_001549456.2 BGRA|VDB89779.1 CFRU|XP\_031880429.1 CFRU|XP\_031880430.1 CGLO|KAF3807333.1 CHIG|XP\_018156895.1 CHIG|XP\_018156896.1 CVIN|KAF4920074.1 CVIN|KAF4920075.1 CVYL|A10823 FGRM|XP\_011320204.1 FGRM|XP\_011320205.1 MGRA|XP\_003848796.1 MLAR|XP\_007409268.1 MORY|QBZ65635.1 MORY|QBZ65643.1 NCRA|XP\_964733.1 NCRA|XP\_964734.2 SSCL|APA11881.1 SSCL|APA11882.1

>Orthogroup814: ANID|CBF88809.1 BCIN|XP\_001548542.2 BCIN|XP\_001556173.1 CFRU|XP\_031886035.1 CFRU|XP\_031887900.1 CGLO|KAF3802309.1 CGLO|KAF3806587.1 CHIG|XP\_018154413.1 CHIG|XP\_018157627.1 CVIN|KAF4891975.1 CVIN|KAF4920500.1 CVYL|A09281 CVYL|A10785 FGRM|XP\_011319752.1 FGRM|XP\_011328111.1 MGRA|XP\_003857264.1 MLAR|XP\_007415772.1 MORY|QBZ59984.1 NCRA|XP\_962161.1 NCRA|XP\_965536.3 SSCL|APA06598.1 SSCL|APA15750.1

>Orthogroup815: ANID|CBF89011.1 ANID|CBF89604.1 BCIN|XP\_001554320.1 BCIN|XP\_001556369.1 BCIN|XP\_024552738.1 CFRU|XP\_031889167.1 CFRU|XP\_031892892.1 CGLO|KAF3798384.1 CGLO|KAF3803139.1 CHIG|XP\_018155536.1 CVIN|KAF4928267.1 CVYL|A01026 FGRM|XP\_011319163.1 MGRA|XP\_003854284.1 MGRA|XP\_003856786.1 MLAR|XP\_007411727.1 MLAR|XP\_007417291.1 MORY|QBZ60176.1 NCRA|XP\_011394722.1 SSCL|APA07475.1 SSCL|APA08705.1 SSCL|APA14407.1

>Orthogroup816: BCIN|XP\_024547246.1 CFRU|XP\_031879306.1 CFRU|XP\_031893534.1 CGLO|KAF3808106.1 CGLO|KAF3808672.1 CHIG|XP\_018152802.1 CHIG|XP\_018161841.1 CVIN|KAF4920613.1 CVIN|KAF4926173.1 CVYL|A08127 CVYL|A11667 FGRM|XP\_011321126.1 FGRM|XP\_011321691.1 MORY|QBZ63142.1 NCRA|XP\_958958.2 NCRA|XP\_960263.1 NCRA|XP\_960264.1 NCRA|XP\_960265.1 NCRA|XP\_960266.1 NCRA|XP\_960267.1 SSCL|APA13387.1 SSCL|APA14193.1

>Orthogroup817: BCIN|XP\_001548865.1 BCIN|XP\_001549041.1 BCIN|XP\_001552023.1 BCIN|XP\_001560069.1 CFRU|XP\_031881457.1 CGLO|KAF3805720.1 CHIG|XP\_018163634.1 CVIN|KAF4926581.1 CVYL|A09825 FGRM|XP\_011321986.1 FGRM|XP\_011325109.1 MGRA|XP\_003848311.1 MGRA|XP\_003848597.1 MGRA|XP\_003850650.1 MGRA|XP\_003851526.1 MGRA|XP\_003851869.1 MGRA|XP\_003852550.1 MGRA|XP\_003853123.1 MGRA|XP\_003854808.1 MGRA|XP\_003856982.1 SSCL|APA09849.1 SSCL|APA15984.1

>Orthogroup818: BCIN|XP\_024547509.1 CFRU|XP\_031883619.1 CFRU|XP\_031883696.1 CGLO|KAF3810827.1 CHIG|XP\_018159417.1 CVIN|KAF4904632.1 FGRM|XP\_011322440.1 MLAR|XP\_007404022.1 MLAR|XP\_007407630.1 MLAR|XP\_007407631.1 MLAR|XP\_007408468.1 MLAR|XP\_007409782.1 MLAR|XP\_007409879.1 MLAR|XP\_007412553.1 MLAR|XP\_007412554.1 MLAR|XP\_007414354.1 MLAR|XP\_007414355.1 MLAR|XP\_007414388.1 MLAR|XP\_007414389.1 MLAR|XP\_007415559.1 MLAR|XP\_007417199.1 MLAR|XP\_007417286.1

>Orthogroup819: BCIN|XP\_024548224.1 BCIN|XP\_024548915.1 CFRU|XP\_031886666.1 CFRU|XP\_031892334.1 CGLO|KAF3797154.1 CGLO|KAF3804035.1 CHIG|XP\_018162732.1 CHIG|XP\_018162733.1 CVIN|KAF4918859.1 CVIN|KAF4927592.1 CVYL|A06989 CVYL|A10545 FGRM|XP\_011322909.1 FGRM|XP\_011325715.1 FGRM|XP\_011326385.1 MGRA|XP\_003857812.1 MORY|QBZ59540.1 NCRA|XP\_957834.1 NCRA|XP\_958020.1 NCRA|XP\_959081.2 SSCL|APA09574.1 SSCL|APA12475.1

>Orthogroup820: BCIN|XP\_001556609.2 BCIN|XP\_001560180.1 CFRU|XP\_031883850.1 CFRU|XP\_031888736.1 CGLO|KAF3799256.1 CGLO|KAF3805063.1 CHIG|XP\_018163454.1 CVIN|KAF4902232.1 CVIN|KAF4908838.1 CVYL|A06497 CVYL|A10148 FGRM|XP\_011317673.1 MGRA|XP\_003848680.1 MGRA|XP\_003849262.1 MGRA|XP\_003849840.1 MGRA|XP\_003855504.1 MORY|QBZ55901.1 MORY|QBZ61661.1 MORY|QBZ65531.1 NCRA|XP\_959282.2 SSCL|APA06279.1 SSCL|APA15871.1

>Orthogroup821: BGRA|VCU38742.1 BGRA|VCU38745.1 BGRA|VCU39246.1 BGRA|VCU39830.1 BGRA|VCU40146.1 BGRA|VCU40371.1 BGRA|VCU41277.1 BGRA|VCU41401.1 BGRA|VDB83465.1 BGRA|VDB83858.1 BGRA|VDB86283.1 BGRA|VDB88043.1 BGRA|VDB88146.1 BGRA|VDB88988.1 BGRA|VDB89038.1 BGRA|VDB89855.1 BGRA|VDB90334.1 BGRA|VDB90429.1 BGRA|VDB91096.1 BGRA|VDB92972.1 BGRA|VDB94648.1 BGRA|VDB95343.1

>Orthogroup822: CFRU|XP\_031875287.1 CFRU|XP\_031875823.1 CFRU|XP\_031875977.1 CFRU|XP\_031876226.1 CFRU|XP\_031876250.1 CFRU|XP\_031876286.1 CFRU|XP\_031878449.1 CFRU|XP\_031879293.1 CFRU|XP\_031879382.1 CFRU|XP\_031879578.1 CFRU|XP\_031879601.1 CFRU|XP\_031879993.1 CFRU|XP\_031880858.1 CFRU|XP\_031881117.1 CFRU|XP\_031881878.1 CFRU|XP\_031883513.1 CFRU|XP\_031883951.1 CFRU|XP\_031884657.1 CFRU|XP\_031888914.1 CFRU|XP\_031890814.1 CFRU|XP\_031890998.1 CFRU|XP\_031891608.1

>Orthogroup823: CFRU|XP\_031880156.1 CFRU|XP\_031881280.1 CFRU|XP\_031881845.1 CFRU|XP\_031886041.1 CGLO|KAF3802447.1 CGLO|KAF3806592.1 CGLO|KAF3811813.1 CHIG|XP\_018151722.1 CHIG|XP\_018154742.1 CVIN|KAF4920497.1 CVIN|KAF4924894.1 CVYL|A02037 CVYL|A09276 CVYL|A12816 CVYL|A12817 FGRM|XP\_011315596.1 MORY|QBZ53595.1 MORY|QBZ53780.1 MORY|QBZ55473.1 MORY|QBZ60916.1 NCRA|XP\_957852.2 NCRA|XP\_963194.3

>Orthogroup824: CFRU|XP\_031878789.1 CFRU|XP\_031878834.1 CFRU|XP\_031881368.1 CFRU|XP\_031889135.1 CGLO|KAF3802615.1 CGLO|KAF3802616.1 CGLO|KAF3802948.1 CGLO|KAF3803126.1 CGLO|KAF3805829.1 CHIG|XP\_018155539.1 CHIG|XP\_018160190.1 CVIN|KAF4905508.1 CVIN|KAF4905511.1 CVIN|KAF4920927.1 CVIN|KAF4928311.1 CVYL|A01015 CVYL|A01911 CVYL|A01912 CVYL|A05993 CVYL|A09896 MORY|QBZ54178.1 NCRA|XP\_963658.3

>Orthogroup825: CFRU|XP\_031878346.1 CFRU|XP\_031890168.1 CFRU|XP\_031890171.1 CFRU|XP\_031890247.1 CGLO|KAF3798096.1 CGLO|KAF3802807.1 CGLO|KAF3802827.1 CHIG|XP\_018158141.1 CHIG|XP\_018162859.1 CHIG|XP\_018164886.1 CHIG|XP\_018164889.1 CHIG|XP\_018164890.1 CVIN|KAF4905795.1 CVIN|KAF4905799.1 CVIN|KAF4927983.1 CVYL|A05186 CVYL|A08264 FGRM|XP\_011327555.1 FGRM|XP\_011328739.1 MORY|QBZ55889.1 NCRA|XP\_001728117.1 NCRA|XP\_963347.3

>Orthogroup826: MLAR|XP\_007404183.1 MLAR|XP\_007406139.1 MLAR|XP\_007406140.1 MLAR|XP\_007406751.1 MLAR|XP\_007407478.1 MLAR|XP\_007408365.1 MLAR|XP\_007411093.1 MLAR|XP\_007411181.1 MLAR|XP\_007413378.1 MLAR|XP\_007414568.1 MLAR|XP\_007414911.1 MLAR|XP\_007415171.1 MLAR|XP\_007415311.1 MLAR|XP\_007415853.1 MLAR|XP\_007415946.1 MLAR|XP\_007416248.1 MLAR|XP\_007416628.1 MLAR|XP\_007418732.1 MLAR|XP\_007419296.1 MLAR|XP\_007419297.1 MLAR|XP\_007419380.1 MLAR|XP\_007419385.1

>Orthogroup827: MLAR|XP\_007403832.1 MLAR|XP\_007403834.1 MLAR|XP\_007405006.1 MLAR|XP\_007405007.1 MLAR|XP\_007406912.1 MLAR|XP\_007406913.1 MLAR|XP\_007407069.1 MLAR|XP\_007408587.1 MLAR|XP\_007408588.1 MLAR|XP\_007408589.1 MLAR|XP\_007408590.1 MLAR|XP\_007408591.1 MLAR|XP\_007409556.1 MLAR|XP\_007411194.1 MLAR|XP\_007411531.1 MLAR|XP\_007414129.1 MLAR|XP\_007414875.1 MLAR|XP\_007414905.1 MLAR|XP\_007415744.1 MLAR|XP\_007415745.1 MLAR|XP\_007415831.1 MLAR|XP\_007417335.1

>Orthogroup828: MLAR|XP\_007404437.1 MLAR|XP\_007404878.1 MLAR|XP\_007404949.1 MLAR|XP\_007405706.1 MLAR|XP\_007407206.1 MLAR|XP\_007407914.1 MLAR|XP\_007408717.1 MLAR|XP\_007409911.1 MLAR|XP\_007410160.1 MLAR|XP\_007410324.1 MLAR|XP\_007410413.1 MLAR|XP\_007410414.1 MLAR|XP\_007413202.1 MLAR|XP\_007417711.1 MLAR|XP\_007417940.1 MLAR|XP\_007418015.1 MLAR|XP\_007418235.1 MLAR|XP\_007419079.1 MLAR|XP\_007419434.1 MLAR|XP\_007419672.1 MLAR|XP\_007419763.1 MLAR|XP\_007419764.1

>Orthogroup829: MLAR|XP\_007404990.1 MLAR|XP\_007405302.1 MLAR|XP\_007406124.1 MLAR|XP\_007406127.1 MLAR|XP\_007406193.1 MLAR|XP\_007406194.1 MLAR|XP\_007407028.1 MLAR|XP\_007408410.1 MLAR|XP\_007409425.1 MLAR|XP\_007410716.1 MLAR|XP\_007411032.1 MLAR|XP\_007411706.1 MLAR|XP\_007412055.1 MLAR|XP\_007413353.1 MLAR|XP\_007413513.1 MLAR|XP\_007414161.1 MLAR|XP\_007414718.1 MLAR|XP\_007414861.1 MLAR|XP\_007415206.1 MLAR|XP\_007419061.1 MLAR|XP\_007419062.1 MLAR|XP\_007419177.1

>Orthogroup830: SSCL|APA05501.1 SSCL|APA05857.1 SSCL|APA06421.1 SSCL|APA06668.1 SSCL|APA07401.1 SSCL|APA07481.1 SSCL|APA07556.1 SSCL|APA07574.1 SSCL|APA07727.1 SSCL|APA09118.1 SSCL|APA09578.1 SSCL|APA10089.1 SSCL|APA11190.1 SSCL|APA11528.1 SSCL|APA11770.1 SSCL|APA13151.1 SSCL|APA13799.1 SSCL|APA13903.1 SSCL|APA14052.1 SSCL|APA14936.1 SSCL|APA15942.1 SSCL|APA16121.1

>Orthogroup831: ANID|CBF69366.1 ANID|CBF84723.1 BCIN|XP\_024547898.1 BCIN|XP\_024551944.1 BCIN|XP\_024553957.1 CFRU|XP\_031882928.1 CGLO|KAF3803388.1 CHIG|XP\_018163943.1 CVIN|KAF4918444.1 CVYL|A14318 FGRM|XP\_011316141.1 FGRM|XP\_011318259.1 FGRM|XP\_011319731.1 MGRA|XP\_003848748.1 MGRA|XP\_003850721.1 MGRA|XP\_003852658.1 MGRA|XP\_003856244.1 MORY|QBZ56014.1 NCRA|XP\_965298.3 SSCL|APA08216.1 SSCL|APA15434.1

>Orthogroup832: ANID|CBF69463.1 BCIN|XP\_024550070.1 BGRA|VCU40869.1 CFRU|XP\_031876376.1 CFRU|XP\_031891226.1 CGLO|KAF3804556.1 CHIG|XP\_018156485.1 CHIG|XP\_018160117.1 CHIG|XP\_018161639.1 CVIN|KAF4923104.1 CVIN|KAF4923131.1 CVYL|A03014 CVYL|A05319 FGRM|XP\_011320822.1 FGRM|XP\_011321941.1 FGRM|XP\_011326148.1 FGRM|XP\_011328390.1 FGRM|XP\_011328758.1 MGRA|XP\_003852047.1 MORY|QBZ61239.1 NCRA|XP\_962361.1

>Orthogroup833: ANID|CBF69489.1 BCIN|XP\_024551867.1 BCIN|XP\_024553140.1 CFRU|XP\_031878828.1 CFRU|XP\_031880970.1 CGLO|KAF3802612.1 CGLO|KAF3809845.1 CHIG|XP\_018161429.1 CVIN|KAF4911600.1 CVIN|KAF4930699.1 CVYL|A01769 CVYL|A01905 FGRM|XP\_011321459.1 FGRM|XP\_011325874.1 MORY|QBZ55438.1 MORY|QBZ56742.1 MORY|QBZ65212.1 NCRA|XP\_957912.3 NCRA|XP\_958768.3 SSCL|APA05401.1 SSCL|APA13321.1

>Orthogroup834: ANID|CBF69945.1 ANID|CBF69947.1 BCIN|XP\_001554861.2 BCIN|XP\_024548014.1 BGRA|VCU40080.1 BGRA|VCU40143.1 CFRU|XP\_031890130.1 CGLO|KAF3798246.1 CHIG|XP\_018151298.1 CVIN|KAF4900879.1 CVIN|KAF4900882.1 CVYL|A09229 CVYL|A09230 FGRM|XP\_011323834.1 FGRM|XP\_011323835.1 MGRA|XP\_003848879.1 MORY|QBZ56323.1 NCRA|XP\_962325.1 NCRA|XP\_962326.1 SSCL|APA08314.1 SSCL|APA08315.1

>Orthogroup835: ANID|CBF70336.1 BCIN|XP\_024548157.1 BGRA|VDB92535.1 CFRU|XP\_031876946.1 CFRU|XP\_031877976.1 CGLO|KAF3810703.1 CHIG|XP\_018154926.1 CHIG|XP\_018162466.1 CVIN|KAF4909745.1 CVIN|KAF4916377.1 CVYL|A02254 CVYL|A07251 FGRM|XP\_011322704.1 FGRM|XP\_011326993.1 MGRA|XP\_003854571.1 MLAR|XP\_007408634.1 MLAR|XP\_007419350.1 MORY|QBZ61441.1 NCRA|XP\_957362.2 SSCL|APA05249.1 SSCL|APA12396.1

>Orthogroup836: ANID|CBF73431.1 ANID|CBF80162.1 ANID|CBF82821.1 ANID|CBF87554.1 BCIN|XP\_024545930.1 BGRA|VCU38897.1 CFRU|XP\_031890051.1 CGLO|KAF3808328.1 CHIG|XP\_018151290.1 CHIG|XP\_018154166.1 CVIN|KAF4910258.1 CVYL|A09208 FGRM|XP\_011315624.1 FGRM|XP\_011323837.1 MGRA|XP\_003853632.1 MLAR|XP\_007405899.1 MLAR|XP\_007416411.1 MORY|QBZ64601.1 MORY|QBZ66635.1 NCRA|XP\_011394236.1 SSCL|APA07356.1

>Orthogroup837: ANID|CBF73658.1 ANID|CBF87165.1 BCIN|XP\_001547900.2 CFRU|XP\_031887218.1 CFRU|XP\_031888461.1 CGLO|KAF3797819.1 CGLO|KAF3809315.1 CHIG|XP\_018156153.1 CVIN|KAF4911368.1 CVIN|KAF4923142.1 CVYL|A01514 CVYL|A03047 FGRM|XP\_011319281.1 FGRM|XP\_011321906.1 MGRA|XP\_003856263.1 MLAR|XP\_007415216.1 MLAR|XP\_007415217.1 MLAR|XP\_007415219.1 MORY|QBZ62252.1 NCRA|XP\_961259.1 SSCL|APA16146.1

>Orthogroup838: ANID|CBF74197.1 BCIN|XP\_024549896.1 BGRA|VCU40475.1 CFRU|XP\_031880653.1 CFRU|XP\_031892178.1 CGLO|KAF3801315.1 CGLO|KAF3811153.1 CHIG|XP\_018160340.1 CHIG|XP\_018164830.1 CVIN|KAF4921571.1 CVIN|KAF4931199.1 CVYL|A04313 CVYL|A07770 FGRM|XP\_011324738.1 MGRA|XP\_003850246.1 MLAR|XP\_007411968.1 MLAR|XP\_007419040.1 MORY|QBZ58040.1 MORY|QBZ65404.1 NCRA|XP\_961190.2 SSCL|APA05575.1

>Orthogroup839: ANID|CBF74469.1 ANID|CBF80556.1 ANID|CBF87287.1 BCIN|XP\_024546357.1 CFRU|XP\_031884835.1 CFRU|XP\_031885006.1 CGLO|KAF3800321.1 CGLO|KAF3803285.1 CGLO|KAF3812215.1 CHIG|XP\_018162948.1 CVIN|KAF4920982.1 CVIN|KAF4927811.1 CVIN|KAF4928686.1 CVYL|A00169 CVYL|A03721 CVYL|A06908 FGRM|XP\_011321704.1 FGRM|XP\_011322206.1 FGRM|XP\_011322602.1 FGRM|XP\_011322785.1 MORY|QBZ53385.1

>Orthogroup840: ANID|CBF74742.1 BCIN|XP\_001552547.1 BCIN|XP\_024547902.1 BGRA|VDB84387.1 BGRA|VDB94907.1 CFRU|XP\_031886533.1 CGLO|KAF3800259.1 CHIG|XP\_018162745.1 CVIN|KAF4927570.1 CVYL|A06979 FGRM|XP\_011327033.1 MGRA|XP\_003857283.1 MLAR|XP\_007404792.1 MLAR|XP\_007405823.1 MLAR|XP\_007406646.1 MLAR|XP\_007413274.1 MLAR|XP\_007414263.1 MORY|QBZ61568.1 NCRA|XP\_957321.1 SSCL|APA08219.1 SSCL|APA10807.1

>Orthogroup841: ANID|CBF75156.1 BCIN|XP\_024548962.1 BCIN|XP\_024552601.1 CFRU|XP\_031880798.1 CFRU|XP\_031881436.1 CFRU|XP\_031881891.1 CGLO|KAF3797830.1 CGLO|KAF3797834.1 CGLO|KAF3800925.1 CHIG|XP\_018153898.1 CHIG|XP\_018153983.1 CVIN|KAF4908854.1 CVIN|KAF4918788.1 CVYL|A05978 CVYL|A06287 CVYL|A13008 FGRM|XP\_011320592.1 FGRM|XP\_011321104.1 SSCL|APA09494.1 SSCL|APA15680.1 SSCL|APA15681.1

>Orthogroup842: ANID|CBF75271.1 CFRU|XP\_031890871.1 CFRU|XP\_031891179.1 CFRU|XP\_031891186.1 CGLO|KAF3804739.1 CGLO|KAF3811711.1 CHIG|XP\_018151850.1 CVIN|KAF4903567.1 CVIN|KAF4905044.1 CVYL|A05382 CVYL|A12726 FGRM|XP\_011320361.1 FGRM|XP\_011322460.1 MGRA|XP\_003848549.1 MGRA|XP\_003853589.1 MGRA|XP\_003854556.1 MLAR|XP\_007412345.1 MLAR|XP\_007413668.1 MORY|QBZ55121.1 MORY|QBZ58334.1 MORY|QBZ59877.1

>Orthogroup843: ANID|CBF75434.1 BCIN|XP\_001553207.1 BCIN|XP\_024548526.1 CFRU|XP\_031876148.1 CFRU|XP\_031885485.1 CGLO|KAF3799468.1 CGLO|KAF3810285.1 CHIG|XP\_018154453.1 CHIG|XP\_018157997.1 CVIN|KAF4918617.1 CVIN|KAF4931891.1 CVYL|A13330 FGRM|XP\_011325530.1 FGRM|XP\_011328645.1 MGRA|XP\_003851271.1 MLAR|XP\_007409368.1 MORY|QBZ53463.1 MORY|QBZ64879.1 NCRA|XP\_957176.3 SSCL|APA12083.1 SSCL|APA12103.1

>Orthogroup844: ANID|CBF75600.1 BCIN|XP\_001553628.1 BCIN|XP\_024553178.1 BGRA|VDB88962.1 BGRA|VDB88963.1 CFRU|XP\_031877633.1 CFRU|XP\_031877635.1 CGLO|KAF3801064.1 CHIG|XP\_018153709.1 CHIG|XP\_018153710.1 CVYL|A00146 FGRM|XP\_011327831.1 FGRM|XP\_011327833.1 MGRA|XP\_003848417.1 MGRA|XP\_003851787.1 MORY|QBZ59013.1 MORY|QBZ60564.1 NCRA|XP\_959604.1 NCRA|XP\_959605.1 SSCL|APA13437.1 SSCL|APA13438.1

>Orthogroup845: ANID|CBF75675.1 BCIN|XP\_024550945.1 BCIN|XP\_024551816.1 CFRU|XP\_031878124.1 CFRU|XP\_031891048.1 CGLO|KAF3801530.1 CGLO|KAF3801809.1 CHIG|XP\_018159304.1 CVIN|KAF4916970.1 CVIN|KAF4921124.1 CVYL|A12606 CVYL|A12896 FGRM|XP\_011328369.1 MGRA|XP\_003847422.1 MGRA|XP\_003852460.1 MGRA|XP\_003854331.1 MGRA|XP\_003856966.1 MORY|QBZ63814.1 NCRA|XP\_957523.3 NCRA|XP\_964071.2 SSCL|APA14698.1

>Orthogroup846: ANID|CBF75790.1 BCIN|XP\_001545380.1 CFRU|XP\_031884934.1 CFRU|XP\_031889956.1 CGLO|KAF3801028.1 CGLO|KAF3802892.1 CGLO|KAF3808237.1 CHIG|XP\_018152526.1 CHIG|XP\_018153313.1 CHIG|XP\_018158504.1 CVIN|KAF4908693.1 CVIN|KAF4913034.1 CVYL|A00355 CVYL|A05121 FGRM|XP\_011316579.1 FGRM|XP\_011321551.1 MGRA|XP\_003857292.1 MORY|QBZ55981.1 MORY|QBZ58404.1 NCRA|XP\_964764.1 SSCL|APA09616.1

>Orthogroup847: ANID|CBF75806.1 BCIN|XP\_001552558.2 BCIN|XP\_024546125.1 CFRU|XP\_031879703.1 CFRU|XP\_031879718.1 CGLO|KAF3798202.1 CHIG|XP\_018153964.1 CHIG|XP\_018154026.1 CHIG|XP\_018154027.1 CVIN|KAF4916820.1 CVYL|A04917 FGRM|XP\_011321174.1 FGRM|XP\_011328700.1 MGRA|XP\_003848573.1 MGRA|XP\_003854758.1 MORY|QBZ54866.1 MORY|QBZ59684.1 NCRA|XP\_011394726.1 NCRA|XP\_962423.1 SSCL|APA06651.1 SSCL|APA10589.1

>Orthogroup848: ANID|CBF75996.1 ANID|CBF89375.1 CFRU|XP\_031882256.1 CFRU|XP\_031891919.1 CFRU|XP\_031893381.1 CGLO|KAF3800847.1 CGLO|KAF3801383.1 CGLO|KAF3804311.1 CHIG|XP\_018153810.1 CHIG|XP\_018159568.1 CVIN|KAF4907808.1 CVIN|KAF4915592.1 CVIN|KAF4920097.1 CVYL|A03998 CVYL|A07699 CVYL|A11087 FGRM|XP\_011322609.1 NCRA|XP\_959258.1 NCRA|XP\_959259.2 NCRA|XP\_960456.1 NCRA|XP\_962331.1

>Orthogroup849: ANID|CBF75998.1 BCIN|XP\_024550730.1 BCIN|XP\_024553437.1 CFRU|XP\_031877391.1 CFRU|XP\_031877450.1 CFRU|XP\_031880025.1 CFRU|XP\_031880026.1 CGLO|KAF3805193.1 CGLO|KAF3808462.1 CGLO|KAF3808463.1 CHIG|XP\_018161991.1 CHIG|XP\_018164952.1 CVIN|KAF4909080.1 CVIN|KAF4915221.1 CVYL|A07960 CVYL|A11676 CVYL|A11677 FGRM|XP\_011317406.1 FGRM|XP\_011325864.1 MLAR|XP\_007411461.1 SSCL|APA11700.1

>Orthogroup850: ANID|CBF76191.1 ANID|CBF83103.1 ANID|CBF84706.1 BCIN|XP\_024549089.1 BGRA|VDB92864.1 CFRU|XP\_031880695.1 CFRU|XP\_031884450.1 CGLO|KAF3799769.1 CGLO|KAF3809971.1 CHIG|XP\_018158233.1 CHIG|XP\_018159533.1 CVIN|KAF4914185.1 CVIN|KAF4918978.1 CVYL|A01652 CVYL|A11326 FGRM|XP\_011316470.1 FGRM|XP\_011325946.1 MGRA|XP\_003851138.1 MORY|QBZ55124.1 NCRA|XP\_965576.1 SSCL|APA15895.1

>Orthogroup851: ANID|CBF76380.1 ANID|CBF76386.1 BCIN|XP\_001558554.1 BCIN|XP\_001558558.1 BGRA|VDB95060.1 BGRA|VDB95061.1 CFRU|XP\_031883294.1 CFRU|XP\_031883295.1 CGLO|KAF3801688.1 CHIG|XP\_018159200.1 FGRM|XP\_011320289.1 FGRM|XP\_011320290.1 MLAR|XP\_007410510.1 MLAR|XP\_007412842.1 MLAR|XP\_007417252.1 MLAR|XP\_007417624.1 MORY|QBZ53867.1 NCRA|XP\_001728296.2 NCRA|XP\_960295.1 SSCL|APA14647.1 SSCL|APA14653.1

>Orthogroup852: ANID|CBF76472.1 BCIN|XP\_001552422.2 BCIN|XP\_001557571.1 BGRA|VDB89702.1 CFRU|XP\_031889708.1 CFRU|XP\_031890982.1 CGLO|KAF3801665.1 CGLO|KAF3810592.1 CHIG|XP\_018151439.1 CHIG|XP\_018159353.1 CVIN|KAF4914219.1 CVIN|KAF4921218.1 CVYL|A12470 CVYL|A13672 FGRM|XP\_011328502.1 MGRA|XP\_003855758.1 MLAR|XP\_007404318.1 MORY|QBZ62154.1 NCRA|XP\_957561.1 SSCL|APA12331.1 SSCL|APA14891.1

>Orthogroup853: ANID|CBF76511.1 ANID|CBF89952.1 BCIN|XP\_024547571.1 BCIN|XP\_024551962.1 BGRA|VDB84422.1 BGRA|VDB84423.1 CFRU|XP\_031886964.1 CFRU|XP\_031889740.1 CGLO|KAF3805918.1 CGLO|KAF3811303.1 CHIG|XP\_018160527.1 CVIN|KAF4898943.1 CVYL|A04481 CVYL|A13791 FGRM|XP\_011322766.1 FGRM|XP\_011326469.1 MGRA|XP\_003856696.1 MLAR|XP\_007408229.1 MORY|QBZ57987.1 NCRA|XP\_956757.3 SSCL|APA07849.1

>Orthogroup854: ANID|CBF76884.1 BCIN|XP\_001546427.1 BCIN|XP\_024548084.1 BGRA|VCU39029.1 CFRU|XP\_031888061.1 CFRU|XP\_031892454.1 CGLO|KAF3802180.1 CGLO|KAF3812249.1 CHIG|XP\_018153459.1 CHIG|XP\_018154303.1 CVIN|KAF4919892.1 CVIN|KAF4922765.1 CVYL|A00137 CVYL|A03211 FGRM|XP\_011319828.1 MGRA|XP\_003847695.1 MLAR|XP\_007418771.1 MORY|QBZ60383.1 NCRA|XP\_964345.2 SSCL|APA07266.1 SSCL|APA12737.1

>Orthogroup855: ANID|CBF77131.1 BCIN|XP\_024546937.1 BCIN|XP\_024549091.1 CFRU|XP\_031877259.1 CFRU|XP\_031878575.1 CFRU|XP\_031882793.1 CGLO|KAF3803336.1 CGLO|KAF3806839.1 CGLO|KAF3812080.1 CHIG|XP\_018161181.1 CHIG|XP\_018162281.1 CHIG|XP\_018162282.1 CVIN|KAF4909298.1 CVIN|KAF4919285.1 CVIN|KAF4923671.1 CVYL|A02486 CVYL|A03779 CVYL|A14258 FGRM|XP\_011322521.1 MORY|QBZ55319.1 SSCL|APA15898.1

>Orthogroup856: ANID|CBF77674.1 ANID|CBF86903.1 BCIN|XP\_024548493.1 BCIN|XP\_024552688.1 BGRA|VCU40435.1 CFRU|XP\_031886120.1 CGLO|KAF3801128.1 CHIG|XP\_018155231.1 CVIN|KAF4930392.1 CVYL|A05715 FGRM|XP\_011317435.1 FGRM|XP\_011317437.1 MGRA|XP\_003848159.1 MGRA|XP\_003849647.1 MLAR|XP\_007411044.1 MLAR|XP\_007416551.1 MORY|QBZ60910.1 NCRA|XP\_963198.2 NCRA|XP\_963245.3 SSCL|APA12155.1 SSCL|APA15512.1

>Orthogroup857: ANID|CBF77734.1 ANID|CBF88481.1 BCIN|XP\_001546302.1 CFRU|XP\_031881602.1 CFRU|XP\_031889984.1 CGLO|KAF3802930.1 CGLO|KAF3803133.1 CGLO|KAF3805393.1 CHIG|XP\_018156717.1 CHIG|XP\_018158531.1 CVIN|KAF4917774.1 CVIN|KAF4925587.1 CVYL|A01021 CVYL|A05088 CVYL|A11038 FGRM|XP\_011316348.1 MGRA|XP\_003852862.1 MLAR|XP\_007406384.1 MORY|QBZ55983.1 NCRA|XP\_965783.1 SSCL|APA09824.1

>Orthogroup858: ANID|CBF77743.1 BCIN|XP\_001551992.1 BGRA|VDB85651.1 CFRU|XP\_031878603.1 CFRU|XP\_031881614.1 CGLO|KAF3803341.1 CGLO|KAF3807390.1 CHIG|XP\_018152674.1 CHIG|XP\_018156826.1 CVIN|KAF4919264.1 CVIN|KAF4929610.1 CVYL|A03782 CVYL|A10882 FGRM|XP\_011321828.1 FGRM|XP\_011328317.1 MGRA|XP\_003854179.1 MLAR|XP\_007406818.1 MORY|QBZ65580.1 NCRA|XP\_965062.1 SSCL|APA06310.1 SSCL|APA10985.1

>Orthogroup859: ANID|CBF78174.1 ANID|CBF82286.1 BCIN|XP\_001546044.1 BCIN|XP\_001553883.1 BCIN|XP\_001555347.1 CFRU|XP\_031879448.1 CFRU|XP\_031883211.1 CGLO|KAF3799652.1 CGLO|KAF3808275.1 CHIG|XP\_018154662.1 CHIG|XP\_018163143.1 CVIN|KAF4891100.1 CVIN|KAF4922192.1 CVYL|A00613 CVYL|A13515 FGRM|XP\_011321239.1 FGRM|XP\_011327356.1 MGRA|XP\_003847920.1 MORY|QBZ54437.1 SSCL|APA08467.1 SSCL|APA13057.1

>Orthogroup860: ANID|CBF78365.1 ANID|CBF89135.1 BCIN|XP\_024552948.1 CFRU|XP\_031882382.1 CFRU|XP\_031888213.1 CGLO|KAF3803658.1 CHIG|XP\_018156308.1 CHIG|XP\_018163801.1 CVIN|KAF4921392.1 CVIN|KAF4928487.1 CVYL|A03128 CVYL|A14591 FGRM|XP\_011318308.1 FGRM|XP\_011320440.1 FGRM|XP\_011322249.1 MGRA|XP\_003854434.1 MLAR|XP\_007409196.1 MORY|QBZ58932.1 MORY|QBZ61123.1 NCRA|XP\_965569.2 SSCL|APA07579.1

>Orthogroup861: ANID|CBF78523.1 ANID|CBF80947.1 BCIN|XP\_001552325.2 CFRU|XP\_031882106.1 CFRU|XP\_031885835.1 CGLO|KAF3804214.1 CGLO|KAF3806123.1 CGLO|KAF3810172.1 CHIG|XP\_018157790.1 CHIG|XP\_018160032.1 CHIG|XP\_018164540.1 CVIN|KAF4911032.1 CVIN|KAF4929114.1 CVYL|A02763 CVYL|A07387 FGRM|XP\_011317982.1 FGRM|XP\_011320126.1 MGRA|XP\_003851972.1 MORY|QBZ62314.1 NCRA|XP\_959633.1 SSCL|APA11161.1

>Orthogroup862: ANID|CBF78680.1 BCIN|XP\_001557154.1 CFRU|XP\_031883311.1 CFRU|XP\_031885204.1 CGLO|KAF3800350.1 CGLO|KAF3801753.1 CHIG|XP\_018162839.1 CVIN|KAF4914535.1 CVIN|KAF4922938.1 CVYL|A07520 CVYL|A12952 FGRM|XP\_011316281.1 FGRM|XP\_011320835.1 FGRM|XP\_011326405.1 MGRA|XP\_003854559.1 MLAR|XP\_007404222.1 MLAR|XP\_007404245.1 MLAR|XP\_007404248.1 MORY|QBZ63250.1 NCRA|XP\_958608.3 SSCL|APA15011.1

>Orthogroup863: ANID|CBF78777.1 BCIN|XP\_001558229.2 BCIN|XP\_024549935.1 CFRU|XP\_031880245.1 CFRU|XP\_031893360.1 CGLO|KAF3808067.1 CGLO|KAF3808964.1 CHIG|XP\_018152755.1 CHIG|XP\_018152756.1 CVIN|KAF4922801.1 CVIN|KAF4922802.1 CVYL|A08166 FGRM|XP\_011318008.1 FGRM|XP\_011322276.1 FGRM|XP\_011325637.1 FGRM|XP\_011328752.1 MGRA|XP\_003852785.1 MORY|QBZ63327.1 NCRA|XP\_958936.2 SSCL|APA05252.1 SSCL|APA13644.1

>Orthogroup864: ANID|CBF78946.1 ANID|CBF86935.1 BCIN|XP\_024545926.1 BGRA|VCU39014.1 CFRU|XP\_031880485.1 CFRU|XP\_031885289.1 CGLO|KAF3807788.1 CGLO|KAF3811579.1 CHIG|XP\_018160845.1 CHIG|XP\_018163006.1 CVIN|KAF4921496.1 CVYL|A00814 CVYL|A03431 FGRM|XP\_011321696.1 FGRM|XP\_011327938.1 MGRA|XP\_003855830.1 MLAR|XP\_007406585.1 MORY|QBZ56611.1 MORY|QBZ62525.1 NCRA|XP\_961901.3 SSCL|APA07337.1

>Orthogroup865: ANID|CBF78997.1 ANID|CBF82467.1 BCIN|XP\_001550991.1 BGRA|VDB90674.1 CFRU|XP\_031886052.1 CFRU|XP\_031890668.1 CGLO|KAF3804919.1 CGLO|KAF3805477.1 CHIG|XP\_018155339.1 CHIG|XP\_018164416.1 CVIN|KAF4898724.1 CVIN|KAF4919417.1 CVYL|A05606 CVYL|A12138 FGRM|XP\_011317143.1 FGRM|XP\_011321938.1 MGRA|XP\_003850364.1 MGRA|XP\_003857784.1 MORY|QBZ56464.1 NCRA|XP\_001728402.2 SSCL|APA07064.1

>Orthogroup866: ANID|CBF79768.1 ANID|CBF90359.1 BCIN|XP\_001558957.1 BCIN|XP\_024547612.1 CFRU|XP\_031880767.1 CFRU|XP\_031889068.1 CFRU|XP\_031892449.1 CGLO|KAF3809953.1 CHIG|XP\_018160068.1 CHIG|XP\_018161533.1 CVIN|KAF4920835.1 CVIN|KAF4930085.1 CVYL|A01670 CVYL|A03912 CVYL|A10487 FGRM|XP\_011317933.1 MLAR|XP\_007416081.1 MORY|QBZ55492.1 MORY|QBZ65297.1 SSCL|APA05825.1 SSCL|APA07792.1

>Orthogroup867: ANID|CBF80115.1 ANID|CBF83965.1 BCIN|XP\_024546541.1 CFRU|XP\_031876817.1 CFRU|XP\_031890999.1 CGLO|KAF3797980.1 CGLO|KAF3811699.1 CHIG|XP\_018151842.1 CHIG|XP\_018151973.1 CHIG|XP\_018158024.1 CVIN|KAF4914931.1 CVIN|KAF4915946.1 CVYL|A08373 CVYL|A12722 FGRM|XP\_011317412.1 FGRM|XP\_011318347.1 FGRM|XP\_011319374.1 MGRA|XP\_003852378.1 MORY|QBZ60822.1 NCRA|XP\_011395302.1 SSCL|APA06721.1

>Orthogroup868: ANID|CBF81248.1 BCIN|XP\_001552273.1 BCIN|XP\_001558125.1 BCIN|XP\_024552195.1 CFRU|XP\_031875471.1 CFRU|XP\_031875482.1 CFRU|XP\_031880567.1 CFRU|XP\_031880585.1 FGRM|XP\_011326943.1 MGRA|XP\_003853323.1 MORY|QBZ55905.1 NCRA|XP\_011394105.1 NCRA|XP\_011394106.1 NCRA|XP\_011394400.1 NCRA|XP\_011394401.1 NCRA|XP\_011394402.1 NCRA|XP\_957057.2 NCRA|XP\_957059.1 SSCL|APA12972.1 SSCL|APA13036.1 SSCL|APA13037.1

>Orthogroup869: ANID|CBF81486.1 BCIN|XP\_001555452.2 CFRU|XP\_031885839.1 CFRU|XP\_031889661.1 CFRU|XP\_031889912.1 CGLO|KAF3797286.1 CGLO|KAF3805947.1 CGLO|KAF3810260.1 CGLO|KAF3810623.1 CHIG|XP\_018157933.1 CHIG|XP\_018158980.1 CVIN|KAF4908288.1 CVIN|KAF4918606.1 CVYL|A02863 CVYL|A13706 FGRM|XP\_011328236.1 MGRA|XP\_003852492.1 MLAR|XP\_007415595.1 MORY|QBZ60894.1 NCRA|XP\_011393044.1 SSCL|APA08170.1

>Orthogroup870: ANID|CBF81488.1 BCIN|XP\_024553742.1 CFRU|XP\_031879727.1 CFRU|XP\_031884640.1 CGLO|KAF3798556.1 CGLO|KAF3799085.1 CHIG|XP\_018153984.1 CHIG|XP\_018154125.1 CVIN|KAF4918259.1 CVIN|KAF4930097.1 CVYL|A04883 CVYL|A11445 FGRM|XP\_011315676.1 FGRM|XP\_011327720.1 FGRM|XP\_011328345.1 MGRA|XP\_003854200.1 MGRA|XP\_003854475.1 MLAR|XP\_007412586.1 MORY|QBZ66436.1 NCRA|XP\_960123.1 SSCL|APA15128.1

>Orthogroup871: ANID|CBF81669.1 ANID|CBF83895.1 ANID|CBF89612.1 CFRU|XP\_031882827.1 CFRU|XP\_031887182.1 CFRU|XP\_031890797.1 CGLO|KAF3803386.1 CGLO|KAF3809379.1 CGLO|KAF3811694.1 CHIG|XP\_018158849.1 CHIG|XP\_018163945.1 CVIN|KAF4896770.1 CVIN|KAF4915962.1 CVIN|KAF4918448.1 CVYL|A03070 CVYL|A12719 CVYL|A14316 FGRM|XP\_011325708.1 MGRA|XP\_003847838.1 MGRA|XP\_003851248.1 SSCL|APA10551.1

>Orthogroup872: ANID|CBF81721.1 ANID|CBF88808.1 BCIN|XP\_001558461.2 BCIN|XP\_024547511.1 BGRA|VDB83856.1 CFRU|XP\_031878146.1 CFRU|XP\_031883775.1 CGLO|KAF3801842.1 CGLO|KAF3805128.1 CHIG|XP\_018163386.1 CVIN|KAF4901589.1 CVIN|KAF4927400.1 CVYL|A06428 CVYL|A12864 FGRM|XP\_011324176.1 MGRA|XP\_003854423.1 MGRA|XP\_003857275.1 MLAR|XP\_007415747.1 MORY|QBZ59507.1 NCRA|XP\_962447.1 SSCL|APA14724.1

>Orthogroup873: ANID|CBF82226.1 ANID|CBF83674.1 ANID|CBF85642.1 BCIN|XP\_024547683.1 BCIN|XP\_024553569.1 CFRU|XP\_031880654.1 CFRU|XP\_031888947.1 CFRU|XP\_031893597.1 CGLO|KAF3799948.1 CGLO|KAF3800865.1 CGLO|KAF3804162.1 CHIG|XP\_018150834.1 CHIG|XP\_018159999.1 CVIN|KAF4915571.1 CVIN|KAF4918397.1 CVYL|A03834 CVYL|A11104 FGRM|XP\_011321586.1 MGRA|XP\_003852223.1 MORY|QBZ65244.1 NCRA|XP\_011393717.1

>Orthogroup874: ANID|CBF82410.1 ANID|CBF86386.1 BCIN|XP\_001546850.1 BCIN|XP\_024547704.1 CFRU|XP\_031884811.1 CFRU|XP\_031893063.1 CFRU|XP\_031893076.1 CGLO|KAF3809558.1 CHIG|XP\_018152625.1 CVIN|KAF4912186.1 CVYL|A08465 CVYL|A08466 FGRM|XP\_011317950.1 FGRM|XP\_011321629.1 FGRM|XP\_011321630.1 MGRA|XP\_003855569.1 MORY|QBZ54852.1 MORY|QBZ60150.1 NCRA|XP\_960613.1 SSCL|APA10235.1 SSCL|APA12660.1

>Orthogroup875: ANID|CBF82664.1 BCIN|XP\_001550857.2 BCIN|XP\_001556530.1 BGRA|VDB89596.1 CFRU|XP\_031887210.1 CFRU|XP\_031889338.1 CGLO|KAF3803121.1 CGLO|KAF3809347.1 CHIG|XP\_018155616.1 CHIG|XP\_018156199.1 CVIN|KAF4924187.1 CVIN|KAF4928282.1 CVYL|A01011 CVYL|A01552 FGRM|XP\_011318799.1 MGRA|XP\_003857548.1 MLAR|XP\_007418128.1 MORY|QBZ63095.1 NCRA|XP\_957378.2 SSCL|APA06809.1 SSCL|APA12424.1

>Orthogroup876: ANID|CBF83018.1 ANID|CBF87111.1 CFRU|XP\_031880096.1 CFRU|XP\_031888996.1 CFRU|XP\_031891085.1 CGLO|KAF3797722.1 CGLO|KAF3801458.1 CGLO|KAF3804142.1 CHIG|XP\_018153336.1 CHIG|XP\_018156692.1 CVIN|KAF4910273.1 CVIN|KAF4912393.1 CVIN|KAF4917548.1 CVYL|A03685 CVYL|A11429 CVYL|A12667 FGRM|XP\_011323783.1 MGRA|XP\_003855957.1 MORY|QBZ61949.1 MORY|QBZ63451.1 NCRA|XP\_958128.2

>Orthogroup877: ANID|CBF83157.1 BCIN|XP\_001556418.2 CFRU|XP\_031877289.1 CFRU|XP\_031878998.1 CGLO|KAF3806808.1 CGLO|KAF3807864.1 CHIG|XP\_018151762.1 CHIG|XP\_018159530.1 CHIG|XP\_018163047.1 CVIN|KAF4908879.1 CVIN|KAF4922622.1 CVYL|A00750 CVYL|A02464 FGRM|XP\_011317441.1 FGRM|XP\_011317442.1 FGRM|XP\_011325273.1 FGRM|XP\_011325900.1 MGRA|XP\_003850932.1 MORY|QBZ59881.1 NCRA|XP\_960481.1 SSCL|APA06583.1

>Orthogroup878: ANID|CBF83372.1 ANID|CBF88864.1 BCIN|XP\_001545162.2 CFRU|XP\_031878089.1 CFRU|XP\_031883206.1 CFRU|XP\_031883470.1 CGLO|KAF3801845.1 CGLO|KAF3808161.1 CHIG|XP\_018154975.1 CVIN|KAF4899852.1 CVIN|KAF4901585.1 CVIN|KAF4924269.1 CVYL|A00512 CVYL|A02008 CVYL|A12862 FGRM|XP\_011317651.1 FGRM|XP\_011323465.1 MGRA|XP\_003854007.1 MORY|QBZ60250.1 MORY|QBZ63436.1 NCRA|XP\_001727985.1

>Orthogroup879: ANID|CBF83493.1 ANID|CBF86610.1 BCIN|XP\_001561160.2 BCIN|XP\_024549650.1 BGRA|VDB83869.1 CFRU|XP\_031885320.1 CFRU|XP\_031893554.1 CGLO|KAF3798650.1 CGLO|KAF3809534.1 CHIG|XP\_018150513.1 CHIG|XP\_018155206.1 CHIG|XP\_018157511.1 CVIN|KAF4918558.1 CVIN|KAF4919436.1 CVYL|A08487 CVYL|A09387 MGRA|XP\_003855054.1 MORY|QBZ57242.1 MORY|QBZ60818.1 SSCL|APA06190.1 SSCL|APA07096.1

>Orthogroup880: ANID|CBF83911.1 BCIN|XP\_001548403.1 CFRU|XP\_031878322.1 CFRU|XP\_031881391.1 CFRU|XP\_031882253.1 CFRU|XP\_031891964.1 CGLO|KAF3804315.1 CGLO|KAF3809688.1 CHIG|XP\_018160108.1 CHIG|XP\_018164882.1 CVIN|KAF4915617.1 CVIN|KAF4920130.1 CVIN|KAF4921958.1 CVYL|A04002 CVYL|A06606 CVYL|A08326 FGRM|XP\_011322179.1 FGRM|XP\_011325966.1 MORY|QBZ54770.1 MORY|QBZ55930.1 SSCL|APA09272.1

>Orthogroup881: ANID|CBF84298.1 BCIN|XP\_024552441.1 CFRU|XP\_031876072.1 CFRU|XP\_031876673.1 CFRU|XP\_031884171.1 CFRU|XP\_031884401.1 CGLO|KAF3799700.1 CGLO|KAF3801987.1 CGLO|KAF3806487.1 CHIG|XP\_018152971.1 CHIG|XP\_018158308.1 CHIG|XP\_018162385.1 CVIN|KAF4902800.1 CVIN|KAF4918699.1 CVIN|KAF4919763.1 CVYL|A02353 CVYL|A02418 CVYL|A12087 FGRM|XP\_011327599.1 MGRA|XP\_003853195.1 MORY|QBZ56735.1

>Orthogroup882: ANID|CBF84410.1 CFRU|XP\_031875619.1 CFRU|XP\_031876452.1 CFRU|XP\_031877457.1 CFRU|XP\_031883426.1 CGLO|KAF3798439.1 CGLO|KAF3801762.1 CGLO|KAF3801763.1 CGLO|KAF3801948.1 CHIG|XP\_018162012.1 CVIN|KAF4896244.1 CVIN|KAF4918532.1 CVIN|KAF4920048.1 CVIN|KAF4922903.1 CVYL|A02383 CVYL|A10958 CVYL|A11198 FGRM|XP\_011317865.1 FGRM|XP\_011325803.1 NCRA|XP\_957084.2 NCRA|XP\_959946.2

>Orthogroup883: ANID|CBF85087.1 BCIN|XP\_001554622.1 CFRU|XP\_031876134.1 CFRU|XP\_031889603.1 CFRU|XP\_031892700.1 CGLO|KAF3797099.1 CGLO|KAF3810293.1 CGLO|KAF3810574.1 CHIG|XP\_018159027.1 CHIG|XP\_018163079.1 CVIN|KAF4914222.1 CVIN|KAF4918610.1 CVYL|A10608 CVYL|A11259 CVYL|A13653 FGRM|XP\_011325820.1 FGRM|XP\_011328592.1 MGRA|XP\_003854578.1 MGRA|XP\_003856123.1 NCRA|XP\_011395143.1 SSCL|APA11056.1

>Orthogroup884: ANID|CBF85598.1 CFRU|XP\_031877319.1 CFRU|XP\_031878314.1 CFRU|XP\_031882372.1 CFRU|XP\_031888076.1 CGLO|KAF3798031.1 CGLO|KAF3799911.1 CGLO|KAF3802027.1 CGLO|KAF3807567.1 CHIG|XP\_018153782.1 CHIG|XP\_018156611.1 CHIG|XP\_018161328.1 CVIN|KAF4903977.1 CVIN|KAF4910497.1 CVIN|KAF4928969.1 CVYL|A02915 CVYL|A03362 CVYL|A08324 CVYL|A09610 FGRM|XP\_011317561.1 MORY|QBZ53368.1

>Orthogroup885: ANID|CBF85732.1 BCIN|XP\_024551646.1 BCIN|XP\_024552561.1 CFRU|XP\_031885609.1 CFRU|XP\_031889363.1 CGLO|KAF3810089.1 CHIG|XP\_018157902.1 CVIN|KAF4891968.1 CVIN|KAF4928265.1 CVYL|A01024 CVYL|A02683 FGRM|XP\_011320209.1 FGRM|XP\_011322669.1 MGRA|XP\_003848668.1 MGRA|XP\_003851616.1 MGRA|XP\_003853541.1 MLAR|XP\_007411506.1 MORY|QBZ59270.1 NCRA|XP\_957631.3 SSCL|APA08669.1 SSCL|APA14759.1

>Orthogroup886: ANID|CBF86601.1 CFRU|XP\_031880775.1 CFRU|XP\_031884931.1 CFRU|XP\_031888741.1 CFRU|XP\_031890115.1 CGLO|KAF3799253.1 CGLO|KAF3802830.1 CGLO|KAF3806934.1 CGLO|KAF3812124.1 CHIG|XP\_018153352.1 CHIG|XP\_018158434.1 CVIN|KAF4905807.1 CVIN|KAF4908844.1 CVIN|KAF4910000.1 CVIN|KAF4919180.1 CVYL|A00274 CVYL|A02579 CVYL|A05182 CVYL|A10145 FGRM|XP\_011322063.1 NCRA|XP\_011395216.1

>Orthogroup887: ANID|CBF86667.1 CFRU|XP\_031878236.1 CFRU|XP\_031881141.1 CFRU|XP\_031884611.1 CGLO|KAF3799045.1 CGLO|KAF3808492.1 CGLO|KAF3809872.1 CHIG|XP\_018158209.1 CHIG|XP\_018161449.1 CVIN|KAF4917740.1 CVIN|KAF4918281.1 CVIN|KAF4930708.1 CVYL|A01746 CVYL|A11485 CVYL|A11647 FGRM|XP\_011319652.1 MGRA|XP\_003854163.1 MORY|QBZ55025.1 MORY|QBZ56172.1 MORY|QBZ58240.1 NCRA|XP\_961678.1

>Orthogroup888: ANID|CBF88556.1 BCIN|XP\_001555461.1 CFRU|XP\_031876231.1 CFRU|XP\_031876328.1 CFRU|XP\_031882557.1 CGLO|KAF3800479.1 CHIG|XP\_018150619.1 CHIG|XP\_018150620.1 CHIG|XP\_018152272.1 CVIN|KAF4906667.1 CVYL|A13232 FGRM|XP\_011318156.1 FGRM|XP\_011323671.1 MGRA|XP\_003855572.1 MLAR|XP\_007412658.1 MLAR|XP\_007417985.1 MLAR|XP\_007417997.1 MORY|QBZ64809.1 NCRA|XP\_955838.2 NCRA|XP\_958862.2 SSCL|APA08176.1

>Orthogroup889: ANID|CBF88623.1 BCIN|XP\_001559432.1 BGRA|VDB90425.1 CFRU|XP\_031886157.1 CFRU|XP\_031891611.1 CGLO|KAF3801144.1 CGLO|KAF3804633.1 CHIG|XP\_018153236.1 CHIG|XP\_018155220.1 CVIN|KAF4919095.1 CVIN|KAF4930374.1 CVYL|A05251 CVYL|A05705 FGRM|XP\_011317408.1 MGRA|XP\_003853814.1 MGRA|XP\_003855265.1 MORY|QBZ53738.1 MORY|QBZ58064.1 NCRA|XP\_963478.1 NCRA|XP\_963479.3 SSCL|APA07665.1

>Orthogroup890: ANID|CBF88935.1 BGRA|VCU40521.1 CFRU|XP\_031875926.1 CFRU|XP\_031880066.1 CFRU|XP\_031880945.1 CFRU|XP\_031885017.1 CGLO|KAF3797752.1 CGLO|KAF3800329.1 CGLO|KAF3805711.1 CGLO|KAF3806857.1 CHIG|XP\_018151697.1 CHIG|XP\_018159544.1 CHIG|XP\_018162924.1 CVIN|KAF4893131.1 CVIN|KAF4927781.1 CVIN|KAF4927786.1 CVYL|A02504 CVYL|A06894 CVYL|A11401 FGRM|XP\_011328719.1 MORY|QBZ65238.1

>Orthogroup891: ANID|CBF89241.1 CFRU|XP\_031877375.1 CFRU|XP\_031884467.1 CFRU|XP\_031891877.1 CFRU|XP\_031892187.1 CGLO|KAF3799901.1 CGLO|KAF3800049.1 CGLO|KAF3809819.1 CGLO|KAF3810324.1 CHIG|XP\_018158347.1 CHIG|XP\_018163577.1 CHIG|XP\_018164939.1 CVIN|KAF4897306.1 CVIN|KAF4919302.1 CVIN|KAF4919352.1 CVIN|KAF4921690.1 CVYL|A06737 CVYL|A06746 CVYL|A09620 FGRM|XP\_011324314.1 MGRA|XP\_003849388.1

>Orthogroup892: ANID|CBF89420.1 BCIN|XP\_024547779.1 BGRA|VDB90415.1 CFRU|XP\_031885656.1 CFRU|XP\_031892531.1 CGLO|KAF3797052.1 CGLO|KAF3810107.1 CHIG|XP\_018157859.1 CHIG|XP\_018162946.1 CVIN|KAF4908013.1 CVIN|KAF4910237.1 CVYL|A02700 CVYL|A10654 FGRM|XP\_011319969.1 MGRA|XP\_003853992.1 MLAR|XP\_007410800.1 MLAR|XP\_007418145.1 MORY|QBZ55030.1 MORY|QBZ62182.1 NCRA|XP\_960341.1 SSCL|APA08036.1

>Orthogroup893: ANID|CBF89828.1 BCIN|XP\_024551458.1 BGRA|VCU41137.1 CFRU|XP\_031885256.1 CFRU|XP\_031885257.1 CGLO|KAF3807682.1 CHIG|XP\_018162904.1 CHIG|XP\_018162905.1 CHIG|XP\_018162907.1 CVIN|KAF4927771.1 CVIN|KAF4927772.1 CVYL|A06874 FGRM|XP\_011326273.1 FGRM|XP\_011326274.1 MGRA|XP\_003853046.1 MLAR|XP\_007409227.1 MORY|QBZ63808.1 MORY|QBZ63809.1 NCRA|XP\_957271.2 NCRA|XP\_957272.3 SSCL|APA10448.1

>Orthogroup894: BCIN|XP\_001549796.1 BCIN|XP\_024546439.1 BCIN|XP\_024548747.1 BCIN|XP\_024550378.1 BCIN|XP\_024550755.1 CFRU|XP\_031876091.1 CFRU|XP\_031876826.1 CGLO|KAF3797954.1 CGLO|KAF3807372.1 CHIG|XP\_018150801.1 CHIG|XP\_018156854.1 CVIN|KAF4914927.1 CVIN|KAF4929541.1 CVYL|A10869 CVYL|A11245 FGRM|XP\_011328556.1 MORY|QBZ65858.1 NCRA|XP\_964078.2 SSCL|APA07098.1 SSCL|APA11656.1 SSCL|APA14467.1

>Orthogroup895: BCIN|XP\_001560924.1 BCIN|XP\_024549615.1 CFRU|XP\_031881176.1 CFRU|XP\_031884382.1 CFRU|XP\_031886026.1 CFRU|XP\_031892416.1 CGLO|KAF3799728.1 CGLO|KAF3801131.1 CGLO|KAF3802546.1 CVIN|KAF4919950.1 CVIN|KAF4921881.1 CVIN|KAF4930391.1 CVYL|A02140 CVYL|A05712 CVYL|A10601 CVYL|A11363 FGRM|XP\_011317473.1 MGRA|XP\_003848084.1 MORY|QBZ63445.1 SSCL|APA06793.1 SSCL|APA10086.1

>Orthogroup896: BCIN|XP\_001546877.1 BCIN|XP\_001555153.1 BCIN|XP\_001555899.2 BCIN|XP\_024547693.1 CFRU|XP\_031882165.1 CFRU|XP\_031882472.1 CFRU|XP\_031882473.1 CGLO|KAF3804478.1 CHIG|XP\_018150643.1 CVIN|KAF4916327.1 CVIN|KAF4930982.1 CVYL|A03084 CVYL|A04193 FGRM|XP\_011321083.1 MGRA|XP\_003848318.1 MGRA|XP\_003852211.1 MGRA|XP\_003853378.1 MORY|QBZ55160.1 NCRA|XP\_961665.1 SSCL|APA09146.1 SSCL|APA09147.1

>Orthogroup897: BCIN|XP\_024549124.1 CFRU|XP\_031884556.1 CGLO|KAF3810424.1 CHIG|XP\_018151770.1 CHIG|XP\_018154229.1 CHIG|XP\_018156168.1 CHIG|XP\_018158068.1 CHIG|XP\_018163537.1 CVYL|A07976 CVYL|A10602 FGRM|XP\_011319408.1 FGRM|XP\_011319582.1 FGRM|XP\_011321085.1 FGRM|XP\_011321232.1 FGRM|XP\_011323273.1 FGRM|XP\_011324408.1 FGRM|XP\_011328673.1 MGRA|XP\_003852270.1 MGRA|XP\_003852275.1 MORY|QBZ59249.1 MORY|QBZ65277.1

>Orthogroup898: BCIN|XP\_024551057.1 BGRA|VCU39267.1 BGRA|VCU39606.1 CFRU|XP\_031877035.1 CGLO|KAF3811084.1 CHIG|XP\_018153076.1 CVIN|KAF4895027.1 CVYL|A09711 FGRM|XP\_011318631.1 MGRA|XP\_003849127.1 MGRA|XP\_003849131.1 MGRA|XP\_003849133.1 MGRA|XP\_003850132.1 MGRA|XP\_003851436.1 MGRA|XP\_003853828.1 MGRA|XP\_003854121.1 MGRA|XP\_003854167.1 MGRA|XP\_003857767.1 MORY|QBZ60801.1 NCRA|XP\_959321.2 SSCL|APA11993.1

>Orthogroup899: BGRA|VDB85769.1 BGRA|VDB85770.1 BGRA|VDB85771.1 BGRA|VDB88051.1 BGRA|VDB91261.1 BGRA|VDB91269.1 BGRA|VDB91271.1 BGRA|VDB91273.1 BGRA|VDB91275.1 BGRA|VDB91277.1 BGRA|VDB91281.1 BGRA|VDB91287.1 BGRA|VDB91289.1 BGRA|VDB91299.1 BGRA|VDB91303.1 BGRA|VDB91309.1 BGRA|VDB91311.1 BGRA|VDB91325.1 BGRA|VDB93255.1 BGRA|VDB94510.1 BGRA|VDB95225.1

>Orthogroup900: CFRU|XP\_031877506.1 CFRU|XP\_031879668.1 CFRU|XP\_031883683.1 CFRU|XP\_031888153.1 CGLO|KAF3797601.1 CGLO|KAF3798416.1 CGLO|KAF3798563.1 CGLO|KAF3811917.1 CHIG|XP\_018155140.1 CHIG|XP\_018161237.1 CVIN|KAF4895630.1 CVIN|KAF4899210.1 CVIN|KAF4920023.1 CVIN|KAF4930098.1 CVYL|A03390 CVYL|A04877 CVYL|A11219 MORY|QBZ56865.1 MORY|QBZ58077.1 MORY|QBZ63705.1 NCRA|XP\_956350.3

>Orthogroup901: CFRU|XP\_031877923.1 CFRU|XP\_031884439.1 CFRU|XP\_031889479.1 CFRU|XP\_031891980.1 CGLO|KAF3799734.1 CGLO|KAF3801271.1 CGLO|KAF3808863.1 CGLO|KAF3810918.1 CHIG|XP\_018162729.1 CHIG|XP\_018163333.1 CHIG|XP\_018163591.1 CVIN|KAF4896680.1 CVIN|KAF4899558.1 CVIN|KAF4909520.1 CVIN|KAF4921603.1 CVYL|A01218 CVYL|A02226 CVYL|A07817 CVYL|A11358 FGRM|XP\_011321899.1 MGRA|XP\_003851193.1

>Orthogroup902: MLAR|XP\_007403874.1 MLAR|XP\_007405172.1 MLAR|XP\_007405298.1 MLAR|XP\_007405555.1 MLAR|XP\_007405778.1 MLAR|XP\_007405779.1 MLAR|XP\_007405791.1 MLAR|XP\_007407356.1 MLAR|XP\_007407395.1 MLAR|XP\_007409234.1 MLAR|XP\_007409235.1 MLAR|XP\_007411875.1 MLAR|XP\_007413732.1 MLAR|XP\_007414160.1 MLAR|XP\_007414693.1 MLAR|XP\_007414694.1 MLAR|XP\_007416749.1 MLAR|XP\_007417012.1 MLAR|XP\_007417030.1 MLAR|XP\_007417324.1 MLAR|XP\_007419647.1

>Orthogroup903: MLAR|XP\_007403813.1 MLAR|XP\_007405112.1 MLAR|XP\_007405486.1 MLAR|XP\_007405767.1 MLAR|XP\_007405891.1 MLAR|XP\_007405943.1 MLAR|XP\_007406514.1 MLAR|XP\_007406627.1 MLAR|XP\_007407373.1 MLAR|XP\_007407408.1 MLAR|XP\_007409001.1 MLAR|XP\_007409994.1 MLAR|XP\_007413444.1 MLAR|XP\_007414491.1 MLAR|XP\_007416025.1 MLAR|XP\_007416051.1 MLAR|XP\_007417010.1 MLAR|XP\_007418662.1 MLAR|XP\_007418944.1 MLAR|XP\_007419044.1 MLAR|XP\_007419105.1

>Orthogroup904: MLAR|XP\_007404821.1 MLAR|XP\_007404966.1 MLAR|XP\_007405546.1 MLAR|XP\_007407097.1 MLAR|XP\_007407141.1 MLAR|XP\_007407253.1 MLAR|XP\_007407992.1 MLAR|XP\_007408933.1 MLAR|XP\_007409347.1 MLAR|XP\_007409819.1 MLAR|XP\_007410357.1 MLAR|XP\_007411765.1 MLAR|XP\_007415620.1 MLAR|XP\_007416128.1 MLAR|XP\_007416752.1 MLAR|XP\_007417866.1 MLAR|XP\_007418683.1 MLAR|XP\_007418823.1 MLAR|XP\_007419402.1 MLAR|XP\_007419442.1 MLAR|XP\_007419456.1

>Orthogroup905: MLAR|XP\_007404815.1 MLAR|XP\_007405145.1 MLAR|XP\_007405775.1 MLAR|XP\_007405883.1 MLAR|XP\_007406737.1 MLAR|XP\_007409723.1 MLAR|XP\_007410097.1 MLAR|XP\_007410448.1 MLAR|XP\_007410727.1 MLAR|XP\_007412096.1 MLAR|XP\_007412609.1 MLAR|XP\_007412881.1 MLAR|XP\_007416206.1 MLAR|XP\_007417172.1 MLAR|XP\_007417664.1 MLAR|XP\_007418313.1 MLAR|XP\_007418327.1 MLAR|XP\_007418500.1 MLAR|XP\_007418558.1 MLAR|XP\_007419221.1 MLAR|XP\_007419568.1

>Orthogroup906: MLAR|XP\_007404813.1 MLAR|XP\_007405143.1 MLAR|XP\_007405772.1 MLAR|XP\_007405881.1 MLAR|XP\_007406153.1 MLAR|XP\_007406492.1 MLAR|XP\_007406578.1 MLAR|XP\_007406735.1 MLAR|XP\_007406739.1 MLAR|XP\_007409173.1 MLAR|XP\_007409174.1 MLAR|XP\_007409722.1 MLAR|XP\_007410446.1 MLAR|XP\_007410747.1 MLAR|XP\_007413349.1 MLAR|XP\_007413532.1 MLAR|XP\_007413926.1 MLAR|XP\_007415730.1 MLAR|XP\_007417214.1 MLAR|XP\_007418563.1 MLAR|XP\_007419566.1

>Orthogroup907: MLAR|XP\_007404647.1 MLAR|XP\_007405953.1 MLAR|XP\_007407106.1 MLAR|XP\_007407312.1 MLAR|XP\_007407821.1 MLAR|XP\_007408857.1 MLAR|XP\_007408994.1 MLAR|XP\_007409019.1 MLAR|XP\_007409466.1 MLAR|XP\_007411318.1 MLAR|XP\_007412923.1 MLAR|XP\_007413239.1 MLAR|XP\_007413240.1 MLAR|XP\_007414008.1 MLAR|XP\_007414768.1 MLAR|XP\_007414804.1 MLAR|XP\_007415027.1 MLAR|XP\_007415242.1 MLAR|XP\_007417499.1 MLAR|XP\_007418935.1 MLAR|XP\_007418962.1

>Orthogroup908: MLAR|XP\_007404968.1 MLAR|XP\_007405693.1 MLAR|XP\_007406258.1 MLAR|XP\_007406656.1 MLAR|XP\_007407095.1 MLAR|XP\_007407504.1 MLAR|XP\_007407514.1 MLAR|XP\_007407904.1 MLAR|XP\_007408250.1 MLAR|XP\_007409985.1 MLAR|XP\_007410187.1 MLAR|XP\_007410258.1 MLAR|XP\_007411015.1 MLAR|XP\_007412476.1 MLAR|XP\_007414687.1 MLAR|XP\_007414952.1 MLAR|XP\_007415696.1 MLAR|XP\_007416006.1 MLAR|XP\_007417087.1 MLAR|XP\_007418735.1 MLAR|XP\_007419674.1

>Orthogroup909: ANID|CBF69388.1 ANID|CBF69390.1 ANID|CBF71257.1 ANID|CBF71472.1 ANID|CBF75354.1 ANID|CBF75944.1 ANID|CBF78887.1 ANID|CBF79007.1 ANID|CBF79011.1 ANID|CBF79130.1 ANID|CBF80694.1 ANID|CBF80826.1 ANID|CBF80832.1 ANID|CBF80834.1 ANID|CBF82215.1 ANID|CBF82216.1 ANID|CBF82218.1 ANID|CBF84322.1 ANID|CBF84333.1 ANID|CBF84589.1

>Orthogroup910: ANID|CBF69571.1 ANID|CBF75078.1 ANID|CBF85284.1 BCIN|XP\_001554893.2 BGRA|VDB91060.1 CFRU|XP\_031890531.1 CGLO|KAF3799943.1 CGLO|KAF3804866.1 CHIG|XP\_018164398.1 CVIN|KAF4921169.1 CVYL|A12205 FGRM|XP\_011316080.1 FGRM|XP\_011320959.1 MGRA|XP\_003850571.1 MGRA|XP\_003851554.1 MLAR|XP\_007406474.1 MORY|QBZ63499.1 NCRA|XP\_963736.3 SSCL|APA08338.1 SSCL|APA08424.1

>Orthogroup911: ANID|CBF70223.1 BCIN|XP\_001551813.1 BGRA|VCU39999.1 CFRU|XP\_031890116.1 CFRU|XP\_031892677.1 CGLO|KAF3801540.1 CGLO|KAF3802888.1 CGLO|KAF3809125.1 CHIG|XP\_018155969.1 CVIN|KAF4913028.1 CVIN|KAF4921102.1 CVIN|KAF4922084.1 CVYL|A05125 CVYL|A12596 FGRM|XP\_011319195.1 MGRA|XP\_003851783.1 MLAR|XP\_007408348.1 MORY|QBZ61105.1 NCRA|XP\_960785.1 SSCL|APA11949.1

>Orthogroup912: ANID|CBF70714.1 BCIN|XP\_024550794.1 BGRA|VCU40930.1 CFRU|XP\_031875367.1 CFRU|XP\_031889186.1 CGLO|KAF3808770.1 CHIG|XP\_018155668.1 CVIN|KAF4890506.1 CVYL|A00893 FGRM|XP\_011318986.1 MGRA|XP\_003847461.1 MGRA|XP\_003851855.1 MORY|QBZ54322.1 MORY|QBZ54560.1 MORY|QBZ57626.1 MORY|QBZ66101.1 MORY|QBZ66694.1 MORY|QBZ66725.1 NCRA|XP\_959206.3 SSCL|APA11859.1

>Orthogroup913: ANID|CBF70722.1 ANID|CBF84777.1 ANID|CBF85314.1 BCIN|XP\_024548726.1 BGRA|VDB84038.1 CFRU|XP\_031890274.1 CGLO|KAF3798891.1 CHIG|XP\_018158562.1 CVIN|KAF4925545.1 CVYL|A05062 FGRM|XP\_011316611.1 FGRM|XP\_011318333.1 FGRM|XP\_011326018.1 MGRA|XP\_003853272.1 MLAR|XP\_007404590.1 MLAR|XP\_007417606.1 MLAR|XP\_007419052.1 MORY|QBZ55992.1 NCRA|XP\_965683.2 SSCL|APA09783.1

>Orthogroup914: ANID|CBF70808.1 ANID|CBF87002.1 BCIN|XP\_024548135.1 BCIN|XP\_024548365.1 BGRA|VCU40756.1 BGRA|VDB93339.1 CFRU|XP\_031882430.1 CHIG|XP\_018156423.1 CVIN|KAF4928870.1 CVYL|A02969 FGRM|XP\_011318613.1 FGRM|XP\_011318614.1 MGRA|XP\_003851481.1 MLAR|XP\_007415515.1 MORY|QBZ63642.1 MORY|QBZ63643.1 NCRA|XP\_958121.1 NCRA|XP\_958122.2 SSCL|APA12353.1 SSCL|APA12370.1

>Orthogroup915: ANID|CBF71060.1 ANID|CBF84158.1 ANID|CBF88194.1 BCIN|XP\_024553790.1 BCIN|XP\_024553940.1 BGRA|VDB87747.1 CFRU|XP\_031877416.1 CGLO|KAF3805318.1 CHIG|XP\_018161485.1 CHIG|XP\_018162033.1 CVIN|KAF4931534.1 CVYL|A11739 FGRM|XP\_011324101.1 FGRM|XP\_011326059.1 MGRA|XP\_003848205.1 MGRA|XP\_003848918.1 MGRA|XP\_003854326.1 MORY|QBZ62967.1 NCRA|XP\_957770.1 SSCL|APA15167.1

>Orthogroup916: ANID|CBF71184.1 BCIN|XP\_024550660.1 BGRA|VDB88155.1 CFRU|XP\_031877891.1 CFRU|XP\_031881546.1 CFRU|XP\_031883800.1 CGLO|KAF3805098.1 CGLO|KAF3805404.1 CGLO|KAF3810933.1 CHIG|XP\_018156708.1 CVIN|KAF4909508.1 CVIN|KAF4917759.1 CVYL|A06460 CVYL|A11052 FGRM|XP\_011315790.1 MGRA|XP\_003857469.1 MLAR|XP\_007416857.1 MORY|QBZ66189.1 NCRA|XP\_011392954.1 SSCL|APA11490.1

>Orthogroup917: ANID|CBF71449.1 CFRU|XP\_031877930.1 CFRU|XP\_031882960.1 CFRU|XP\_031887558.1 CGLO|KAF3807966.1 CGLO|KAF3810956.1 CHIG|XP\_018160939.1 CHIG|XP\_018163092.1 CHIG|XP\_018165102.1 CVIN|KAF4907253.1 CVIN|KAF4920182.1 CVIN|KAF4924036.1 CVYL|A00662 CVYL|A02192 CVYL|A03532 FGRM|XP\_011323608.1 FGRM|XP\_011327686.1 MORY|QBZ59164.1 NCRA|XP\_961155.1 NCRA|XP\_962523.2

>Orthogroup918: ANID|CBF71564.1 ANID|CBF87981.1 BCIN|XP\_024546500.1 CFRU|XP\_031891008.1 CFRU|XP\_031893557.1 CGLO|KAF3801649.1 CGLO|KAF3809528.1 CHIG|XP\_018151417.1 CHIG|XP\_018152673.1 CVYL|A08493 CVYL|A12487 FGRM|XP\_011326229.1 FGRM|XP\_011328187.1 MGRA|XP\_003847026.1 MGRA|XP\_003856775.1 MLAR|XP\_007406184.1 MLAR|XP\_007408099.1 MORY|QBZ62675.1 NCRA|XP\_957669.2 SSCL|APA06747.1

>Orthogroup919: ANID|CBF71700.1 ANID|CBF71702.1 BCIN|XP\_001552538.1 BCIN|XP\_001552539.1 BGRA|VDB94927.1 CFRU|XP\_031891632.1 CGLO|KAF3797909.1 CHIG|XP\_018161611.1 CVIN|KAF4905694.1 CVIN|KAF4905695.1 CVYL|A05345 FGRM|XP\_011318659.1 FGRM|XP\_011318660.1 MGRA|XP\_003854891.1 MORY|QBZ61128.1 MORY|QBZ61136.1 NCRA|XP\_001728133.1 NCRA|XP\_963059.1 SSCL|APA10798.1 SSCL|APA10799.1

>Orthogroup920: ANID|CBF71760.1 ANID|CBF74702.1 ANID|CBF78080.1 ANID|CBF82786.1 ANID|CBF84681.1 CFRU|XP\_031888595.1 CGLO|KAF3798310.1 CHIG|XP\_018151167.1 CHIG|XP\_018163839.1 CVIN|KAF4920324.1 CVIN|KAF4920369.1 CVYL|A14556 FGRM|XP\_011320852.1 FGRM|XP\_011323451.1 FGRM|XP\_011328660.1 MGRA|XP\_003852009.1 MGRA|XP\_003852014.1 MGRA|XP\_003857593.1 MORY|QBZ54727.1 NCRA|XP\_964381.2

>Orthogroup921: ANID|CBF71788.1 ANID|CBF77902.1 ANID|CBF83138.1 BCIN|XP\_024547928.1 BGRA|VDB86198.1 CFRU|XP\_031877760.1 CFRU|XP\_031879041.1 CGLO|KAF3798809.1 CGLO|KAF3810659.1 CHIG|XP\_018151201.1 CHIG|XP\_018162413.1 CVIN|KAF4916936.1 CVIN|KAF4919592.1 CVYL|A07303 CVYL|A09121 FGRM|XP\_011318426.1 MGRA|XP\_003850357.1 MORY|QBZ55714.1 NCRA|XP\_001728213.2 SSCL|APA08255.1

>Orthogroup922: ANID|CBF71813.1 ANID|CBF78318.1 BCIN|XP\_024552981.1 CFRU|XP\_031881192.1 CFRU|XP\_031884972.1 CGLO|KAF3802446.1 CGLO|KAF3810911.1 CGLO|KAF3812151.1 CVIN|KAF4913922.1 CVIN|KAF4918731.1 CVYL|A00242 CVYL|A02036 CVYL|A02233 CVYL|A02234 FGRM|XP\_011320573.1 FGRM|XP\_011320622.1 MGRA|XP\_003851602.1 MORY|QBZ57872.1 MORY|QBZ58927.1 SSCL|APA15712.1

>Orthogroup923: ANID|CBF73424.1 ANID|CBF75080.1 BCIN|XP\_001553584.2 BCIN|XP\_001558858.1 BCIN|XP\_024546839.1 BGRA|VCU39063.1 BGRA|VDB93860.1 CFRU|XP\_031875612.1 CFRU|XP\_031883242.1 CGLO|KAF3800549.1 CHIG|XP\_018152129.1 CVIN|KAF4923815.1 CVYL|A13168 FGRM|XP\_011315963.1 MGRA|XP\_003851648.1 MORY|QBZ60320.1 MORY|QBZ65148.1 NCRA|XP\_956034.1 SSCL|APA06246.1 SSCL|APA06419.1

>Orthogroup924: ANID|CBF73438.1 BCIN|XP\_001557121.1 BCIN|XP\_024546482.1 BCIN|XP\_024546999.1 CFRU|XP\_031891802.1 CFRU|XP\_031893236.1 CFRU|XP\_031893413.1 CGLO|KAF3800812.1 CGLO|KAF3809760.1 CHIG|XP\_018150913.1 CHIG|XP\_018164980.1 CVIN|KAF4896763.1 CVIN|KAF4922473.1 CVYL|A06682 CVYL|A08188 CVYL|A08739 FGRM|XP\_011323769.1 FGRM|XP\_011324305.1 MORY|QBZ66391.1 SSCL|APA05868.1

>Orthogroup925: ANID|CBF73520.1 BCIN|XP\_001553431.1 BGRA|VDB92742.1 CFRU|XP\_031878801.1 CFRU|XP\_031885983.1 CFRU|XP\_031887916.1 CGLO|KAF3797494.1 CGLO|KAF3811981.1 CHIG|XP\_018153851.1 CHIG|XP\_018155259.1 CVIN|KAF4921664.1 CVIN|KAF4930349.1 CVYL|A01943 CVYL|A05527 FGRM|XP\_011327746.1 MGRA|XP\_003851548.1 MGRA|XP\_003853775.1 MGRA|XP\_003854320.1 MORY|QBZ65185.1 SSCL|APA10912.1

>Orthogroup926: ANID|CBF73898.1 ANID|CBF76259.1 ANID|CBF78397.1 ANID|CBF82281.1 ANID|CBF87240.1 BCIN|XP\_001556762.1 CFRU|XP\_031882994.1 CFRU|XP\_031884020.1 CFRU|XP\_031890180.1 CGLO|KAF3798275.1 CGLO|KAF3805167.1 CGLO|KAF3808216.1 CHIG|XP\_018151301.1 CHIG|XP\_018163347.1 CVIN|KAF4916910.1 CVIN|KAF4924318.1 CVIN|KAF4927486.1 CVYL|A06583 CVYL|A09256 MGRA|XP\_003849030.1

>Orthogroup927: ANID|CBF74030.1 ANID|CBF76944.1 BCIN|XP\_001547079.1 CFRU|XP\_031881749.1 CFRU|XP\_031891455.1 CGLO|KAF3800379.1 CGLO|KAF3804517.1 CHIG|XP\_018157702.1 CHIG|XP\_018159471.1 CVIN|KAF4901611.1 CVIN|KAF4924518.1 CVYL|A04234 CVYL|A11514 FGRM|XP\_011327136.1 MGRA|XP\_003850318.1 MORY|QBZ58049.1 MORY|QBZ62372.1 NCRA|XP\_959196.1 NCRA|XP\_959547.1 SSCL|APA05933.1

>Orthogroup928: ANID|CBF74235.1 BCIN|XP\_024547395.1 BCIN|XP\_024547396.1 BCIN|XP\_024548276.1 BCIN|XP\_024549350.1 BGRA|VCU41120.1 CFRU|XP\_031892973.1 CGLO|KAF3797477.1 CHIG|XP\_018152391.1 CVIN|KAF4898431.1 CVYL|A09493 FGRM|XP\_011317709.1 FGRM|XP\_011322763.1 FGRM|XP\_011327518.1 MORY|QBZ54050.1 NCRA|XP\_957944.1 NCRA|XP\_957987.1 SSCL|APA12711.1 SSCL|APA14404.1 SSCL|APA15782.1

>Orthogroup929: ANID|CBF74367.1 ANID|CBF78833.1 ANID|CBF89700.1 BCIN|XP\_024546387.1 CFRU|XP\_031883719.1 CGLO|KAF3810875.1 CHIG|XP\_018154892.1 CVIN|KAF4916357.1 CVYL|A02270 FGRM|XP\_011318130.1 FGRM|XP\_011326053.1 MGRA|XP\_003851180.1 MGRA|XP\_003853737.1 MLAR|XP\_007407462.1 MORY|QBZ53542.1 MORY|QBZ65948.1 NCRA|XP\_960641.1 SSCL|APA07199.1 SSCL|APA10890.1 SSCL|APA15393.1

>Orthogroup930: ANID|CBF74402.1 BCIN|XP\_001550868.2 BCIN|XP\_001561156.1 CFRU|XP\_031885555.1 CFRU|XP\_031887409.1 CGLO|KAF3810159.1 CHIG|XP\_018156092.1 CHIG|XP\_018157993.1 CVIN|KAF4907384.1 CVIN|KAF4929162.1 CVYL|A01451 CVYL|A02749 FGRM|XP\_011323179.1 MGRA|XP\_003857685.1 MORY|QBZ57124.1 MORY|QBZ62637.1 NCRA|XP\_001728307.2 NCRA|XP\_960356.3 SSCL|APA07094.1 SSCL|APA12419.1

>Orthogroup931: ANID|CBF74719.1 BCIN|XP\_024551473.1 BGRA|VDB89138.1 CFRU|XP\_031883018.1 CFRU|XP\_031889321.1 CGLO|KAF3803099.1 CGLO|KAF3808163.1 CHIG|XP\_018155593.1 CHIG|XP\_018163249.1 CVIN|KAF4924274.1 CVIN|KAF4929614.1 CVYL|A00514 CVYL|A00990 FGRM|XP\_011318254.1 FGRM|XP\_011326222.1 MGRA|XP\_003853302.1 MLAR|XP\_007403554.1 MORY|QBZ60260.1 NCRA|XP\_956111.1 SSCL|APA10414.1

>Orthogroup932: ANID|CBF75220.1 ANID|CBF82299.1 ANID|CBF84658.1 BCIN|XP\_001549379.1 CFRU|XP\_031878215.1 CFRU|XP\_031879043.1 CGLO|KAF3808476.1 CHIG|XP\_018151203.1 CHIG|XP\_018161980.1 CVIN|KAF4917723.1 CVIN|KAF4919587.1 CVYL|A09119 CVYL|A11661 FGRM|XP\_011318018.1 FGRM|XP\_011322160.1 MGRA|XP\_003853538.1 MORY|QBZ65183.1 MORY|QBZ66523.1 NCRA|XP\_965193.1 SSCL|APA06832.1

>Orthogroup933: ANID|CBF75328.1 ANID|CBF83186.1 BCIN|XP\_001554800.1 BCIN|XP\_001561177.1 CFRU|XP\_031875749.1 CFRU|XP\_031884560.1 CFRU|XP\_031885777.1 CGLO|KAF3810055.1 CGLO|KAF3810358.1 CHIG|XP\_018156425.1 CHIG|XP\_018158368.1 CVIN|KAF4897446.1 CVIN|KAF4918821.1 CVYL|A02972 CVYL|A05752 FGRM|XP\_011316484.1 FGRM|XP\_011324683.1 MGRA|XP\_003855818.1 MORY|QBZ59873.1 NCRA|XP\_964373.3

>Orthogroup934: ANID|CBF75380.1 BCIN|XP\_024545911.1 BGRA|VDB91393.1 CFRU|XP\_031889760.1 CFRU|XP\_031889764.1 CFRU|XP\_031891778.1 CGLO|KAF3805897.1 CHIG|XP\_018158899.1 CVIN|KAF4920779.1 CVIN|KAF4920780.1 CVYL|A13815 CVYL|A13816 FGRM|XP\_011316691.1 MGRA|XP\_003852838.1 MLAR|XP\_007410053.1 MLAR|XP\_007414484.1 MLAR|XP\_007419041.1 MORY|QBZ64637.1 NCRA|XP\_959514.1 SSCL|APA07326.1

>Orthogroup935: ANID|CBF75714.1 BCIN|XP\_001558515.2 BGRA|VDB92673.1 CFRU|XP\_031888375.1 CFRU|XP\_031892243.1 CGLO|KAF3801378.1 CGLO|KAF3803592.1 CHIG|XP\_018163873.1 CHIG|XP\_018164767.1 CVIN|KAF4907805.1 CVIN|KAF4920347.1 CVYL|A14527 FGRM|XP\_011316771.1 FGRM|XP\_011321908.1 MGRA|XP\_003856716.1 MLAR|XP\_007413143.1 MORY|QBZ55375.1 NCRA|XP\_962801.2 NCRA|XP\_965475.1 SSCL|APA14688.1

>Orthogroup936: ANID|CBF75978.1 ANID|CBF78937.1 BCIN|XP\_024548496.1 CFRU|XP\_031880110.1 CFRU|XP\_031884519.1 CGLO|KAF3799043.1 CGLO|KAF3811796.1 CHIG|XP\_018151757.1 CHIG|XP\_018156679.1 CHIG|XP\_018158212.1 CVIN|KAF4918278.1 CVIN|KAF4924925.1 CVYL|A11487 CVYL|A12802 FGRM|XP\_011316476.1 FGRM|XP\_011321142.1 MORY|QBZ63160.1 NCRA|XP\_957939.2 NCRA|XP\_963988.3 SSCL|APA12150.1

>Orthogroup937: ANID|CBF76048.1 ANID|CBF79781.1 ANID|CBF87076.1 BCIN|XP\_024550515.1 BGRA|VDB84410.1 CFRU|XP\_031877688.1 CGLO|KAF3797345.1 CHIG|XP\_018157165.1 CVIN|KAF4917650.1 CVYL|A10346 FGRM|XP\_011319869.1 FGRM|XP\_011322933.1 FGRM|XP\_011324348.1 MGRA|XP\_003854413.1 MLAR|XP\_007414574.1 MORY|QBZ53335.1 MORY|QBZ53342.1 MORY|QBZ63344.1 NCRA|XP\_965817.1 SSCL|APA11240.1

>Orthogroup938: ANID|CBF76103.1 ANID|CBF85115.1 BCIN|XP\_001547161.1 BCIN|XP\_001559912.1 CFRU|XP\_031884078.1 CFRU|XP\_031886008.1 CGLO|KAF3805675.1 CGLO|KAF3806545.1 CHIG|XP\_018157586.1 CHIG|XP\_018163571.1 CVIN|KAF4920483.1 CVIN|KAF4920668.1 CVYL|A09324 CVYL|A09875 FGRM|XP\_011323504.1 MGRA|XP\_003851045.1 NCRA|XP\_957469.1 NCRA|XP\_962369.1 SSCL|APA08927.1 SSCL|APA09749.1

>Orthogroup939: ANID|CBF76143.1 ANID|CBF80990.1 BCIN|XP\_024552799.1 CFRU|XP\_031879091.1 CFRU|XP\_031881880.1 CFRU|XP\_031888504.1 CGLO|KAF3798825.1 CGLO|KAF3803540.1 CGLO|KAF3809997.1 CHIG|XP\_018158989.1 CVIN|KAF4913005.1 CVIN|KAF4919570.1 CVIN|KAF4922246.1 CVYL|A02598 CVYL|A14472 FGRM|XP\_011317489.1 FGRM|XP\_011318521.1 FGRM|XP\_011320427.1 FGRM|XP\_011322867.1 FGRM|XP\_011325999.1

>Orthogroup940: ANID|CBF76310.1 BCIN|XP\_001553965.1 BGRA|VDB94563.1 CFRU|XP\_031885002.1 CFRU|XP\_031891196.1 CGLO|KAF3804589.1 CGLO|KAF3807649.1 CHIG|XP\_018162875.1 CHIG|XP\_018163612.1 CVIN|KAF4923057.1 CVIN|KAF4927801.1 CVYL|A05289 CVYL|A06631 FGRM|XP\_011323347.1 FGRM|XP\_011327050.1 MGRA|XP\_003849576.1 MORY|QBZ58264.1 MORY|QBZ59287.1 NCRA|XP\_959013.1 SSCL|APA11087.1

>Orthogroup941: ANID|CBF77269.1 BCIN|XP\_001551374.1 BGRA|VCU41077.1 CFRU|XP\_031886754.1 CFRU|XP\_031890126.1 CGLO|KAF3798242.1 CGLO|KAF3804089.1 CHIG|XP\_018151296.1 CHIG|XP\_018162679.1 CVIN|KAF4900875.1 CVIN|KAF4919555.1 CVYL|A07049 CVYL|A09225 FGRM|XP\_011323543.1 FGRM|XP\_011326357.1 MGRA|XP\_003853328.1 MLAR|XP\_007417509.1 MORY|QBZ55647.1 NCRA|XP\_956388.2 SSCL|APA10392.1

>Orthogroup942: ANID|CBF78176.1 ANID|CBF80186.1 BCIN|XP\_024550861.1 BGRA|VDB88186.1 CFRU|XP\_031888932.1 CFRU|XP\_031891555.1 CGLO|KAF3797376.1 CGLO|KAF3804278.1 CHIG|XP\_018157134.1 CVIN|KAF4922415.1 CVIN|KAF4929330.1 CVYL|A03960 CVYL|A10313 FGRM|XP\_011320082.1 MLAR|XP\_007409598.1 MLAR|XP\_007416478.1 MORY|QBZ61192.1 MORY|QBZ65990.1 NCRA|XP\_964908.1 SSCL|APA11790.1

>Orthogroup943: ANID|CBF78636.1 BCIN|XP\_024549133.1 CFRU|XP\_031881389.1 CFRU|XP\_031882423.1 CFRU|XP\_031889890.1 CGLO|KAF3805958.1 CGLO|KAF3807545.1 CHIG|XP\_018158952.1 CVIN|KAF4911885.1 CVIN|KAF4928967.1 CVYL|A02938 CVYL|A13763 FGRM|XP\_011325871.1 MLAR|XP\_007404508.1 MLAR|XP\_007404512.1 MLAR|XP\_007404515.1 MLAR|XP\_007409735.1 MORY|QBZ64930.1 NCRA|XP\_958027.3 SSCL|APA08821.1

>Orthogroup944: ANID|CBF78690.1 BGRA|VCU39885.1 CFRU|XP\_031882312.1 CGLO|KAF3804400.1 CHIG|XP\_018158635.1 CVIN|KAF4930952.1 CVYL|A04098 FGRM|XP\_011315706.1 FGRM|XP\_011322038.1 MGRA|XP\_003852362.1 MORY|QBZ53577.1 MORY|QBZ53578.1 MORY|QBZ53579.1 MORY|QBZ53673.1 MORY|QBZ53674.1 MORY|QBZ58438.1 MORY|QBZ58493.1 NCRA|XP\_011393646.1 NCRA|XP\_963143.3 SSCL|APA06345.1

>Orthogroup945: ANID|CBF78805.1 BCIN|XP\_024553837.1 BGRA|VDB93574.1 CFRU|XP\_031884630.1 CFRU|XP\_031888912.1 CGLO|KAF3796960.1 CGLO|KAF3799297.1 CHIG|XP\_018158326.1 CHIG|XP\_018159869.1 CVIN|KAF4903966.1 CVIN|KAF4924753.1 CVYL|A03886 CVYL|A05820 FGRM|XP\_011318096.1 MGRA|XP\_003856333.1 MLAR|XP\_007413199.1 MORY|QBZ63702.1 MORY|QBZ65268.1 NCRA|XP\_011392833.1 SSCL|APA15236.1

>Orthogroup946: ANID|CBF79284.1 BCIN|XP\_001545556.1 BGRA|VDB93757.1 CFRU|XP\_031883253.1 CFRU|XP\_031889279.1 CGLO|KAF3800543.1 CGLO|KAF3808885.1 CHIG|XP\_018154620.1 CHIG|XP\_018155759.1 CVIN|KAF4914521.1 CVIN|KAF4923797.1 CVYL|A01197 CVYL|A13173 FGRM|XP\_011325501.1 FGRM|XP\_011327732.1 MGRA|XP\_003854357.1 MLAR|XP\_007412897.1 MORY|QBZ54380.1 NCRA|XP\_963313.1 SSCL|APA13513.1

>Orthogroup947: ANID|CBF79436.1 BCIN|XP\_001546884.1 CFRU|XP\_031885861.1 CFRU|XP\_031886028.1 CFRU|XP\_031890378.1 CGLO|KAF3801133.1 CGLO|KAF3806742.1 CGLO|KAF3810177.1 CHIG|XP\_018157796.1 CVIN|KAF4919479.1 CVIN|KAF4929168.1 CVIN|KAF4930446.1 CVYL|A02769 CVYL|A05709 CVYL|A14053 FGRM|XP\_011315851.1 MGRA|XP\_003852817.1 MORY|QBZ61285.1 NCRA|XP\_001728337.2 SSCL|APA08577.1

>Orthogroup948: ANID|CBF80443.1 ANID|CBF84523.1 BCIN|XP\_024546496.1 BCIN|XP\_024553477.1 BGRA|VCU40563.1 CFRU|XP\_031877125.1 CGLO|KAF3803985.1 CHIG|XP\_018150950.1 CVIN|KAF4925211.1 CVYL|A08814 FGRM|XP\_011317396.1 FGRM|XP\_011322827.1 MGRA|XP\_003849531.1 MGRA|XP\_003849556.1 MGRA|XP\_003850498.1 MGRA|XP\_003851763.1 MGRA|XP\_003852021.1 MGRA|XP\_003852578.1 MORY|QBZ58467.1 SSCL|APA13810.1

>Orthogroup949: ANID|CBF81037.1 ANID|CBF84215.1 BCIN|XP\_001552616.1 BCIN|XP\_024551826.1 CFRU|XP\_031884528.1 CFRU|XP\_031889262.1 CGLO|KAF3796954.1 CGLO|KAF3808842.1 CHIG|XP\_018155734.1 CHIG|XP\_018160018.1 CVIN|KAF4891600.1 CVIN|KAF4909979.1 CVYL|A01239 CVYL|A05826 FGRM|XP\_011318924.1 MGRA|XP\_003847778.1 MLAR|XP\_007418135.1 MORY|QBZ53855.1 NCRA|XP\_961419.3 SSCL|APA11456.1

>Orthogroup950: ANID|CBF81120.1 ANID|CBF85662.1 BCIN|XP\_001547292.1 BCIN|XP\_001559509.1 BGRA|VDB83945.1 CFRU|XP\_031889887.1 CGLO|KAF3805966.1 CHIG|XP\_018158986.1 CHIG|XP\_018158987.1 CVIN|KAF4917813.1 CVYL|A13755 FGRM|XP\_011328371.1 MGRA|XP\_003852057.1 MLAR|XP\_007405513.1 MLAR|XP\_007405835.1 MLAR|XP\_007407197.1 MLAR|XP\_007407571.1 MORY|QBZ54503.1 NCRA|XP\_959806.2 SSCL|APA06978.1

>Orthogroup951: ANID|CBF81490.1 BCIN|XP\_001557719.2 BGRA|VDB93217.1 CFRU|XP\_031882471.1 CFRU|XP\_031883964.1 CGLO|KAF3804977.1 CGLO|KAF3807591.1 CHIG|XP\_018156343.1 CVIN|KAF4927117.1 CVIN|KAF4928974.1 CVYL|A02891 CVYL|A09801 FGRM|XP\_011318869.1 MGRA|XP\_003857642.1 MLAR|XP\_007411432.1 MLAR|XP\_007412516.1 MLAR|XP\_007412667.1 MORY|QBZ57398.1 NCRA|XP\_011394900.1 SSCL|APA12212.1

>Orthogroup952: ANID|CBF81533.1 BCIN|XP\_024547919.1 CFRU|XP\_031881838.1 CFRU|XP\_031883071.1 CFRU|XP\_031885635.1 CGLO|KAF3800391.1 CGLO|KAF3808263.1 CGLO|KAF3810063.1 CHIG|XP\_018157710.1 CHIG|XP\_018159665.1 CVIN|KAF4901605.1 CVIN|KAF4912755.1 CVYL|A00601 CVYL|A02659 CVYL|A11502 FGRM|XP\_011317407.1 FGRM|XP\_011328710.1 MGRA|XP\_003848712.1 MORY|QBZ56727.1 NCRA|XP\_958233.1

>Orthogroup953: ANID|CBF81833.1 ANID|CBF88252.1 ANID|CBF89721.1 BCIN|XP\_001554820.1 BGRA|VCU39821.1 CFRU|XP\_031881815.1 CFRU|XP\_031882989.1 CGLO|KAF3800683.1 CGLO|KAF3800770.1 CHIG|XP\_018151999.1 CVIN|KAF4922041.1 CVYL|A00434 CVYL|A13033 FGRM|XP\_011321264.1 FGRM|XP\_011322726.1 MORY|QBZ61276.1 MORY|QBZ61590.1 NCRA|XP\_958797.1 NCRA|XP\_958922.1 SSCL|APA08631.1

>Orthogroup954: ANID|CBF81905.1 ANID|CBF85254.1 BCIN|XP\_024546591.1 BCIN|XP\_024549963.1 BGRA|VDB90697.1 BGRA|VDB93496.1 CFRU|XP\_031890501.1 CGLO|KAF3804830.1 CHIG|XP\_018164308.1 CVIN|KAF4929785.1 CVYL|A12243 FGRM|XP\_011317020.1 FGRM|XP\_011319610.1 MLAR|XP\_007412124.1 MLAR|XP\_007414512.1 MORY|QBZ63543.1 MORY|QBZ64303.1 NCRA|XP\_011393143.1 SSCL|APA05303.1 SSCL|APA06412.1

>Orthogroup955: ANID|CBF81952.1 BCIN|XP\_024553232.1 CFRU|XP\_031878914.1 CFRU|XP\_031881469.1 CFRU|XP\_031882241.1 CGLO|KAF3798583.1 CGLO|KAF3800942.1 CGLO|KAF3804482.1 CGLO|KAF3807845.1 CHIG|XP\_018155065.1 CHIG|XP\_018158922.1 CVIN|KAF4912799.1 CVIN|KAF4922591.1 CVIN|KAF4930110.1 CVIN|KAF4930930.1 CVYL|A00766 CVYL|A04196 CVYL|A05784 CVYL|A05963 MGRA|XP\_003855409.1

>Orthogroup956: ANID|CBF82048.1 CFRU|XP\_031879940.1 CFRU|XP\_031880005.1 CFRU|XP\_031886054.1 CGLO|KAF3798990.1 CGLO|KAF3798994.1 CGLO|KAF3805475.1 CHIG|XP\_018152905.1 CHIG|XP\_018159883.1 CVIN|KAF4923489.1 CVIN|KAF4923494.1 CVYL|A05605 CVYL|A07909 CVYL|A07913 FGRM|XP\_011322590.1 FGRM|XP\_011328593.1 MGRA|XP\_003851985.1 MORY|QBZ59290.1 NCRA|XP\_959542.3 SSCL|APA05527.1

>Orthogroup957: ANID|CBF82393.1 BCIN|XP\_024552034.1 CFRU|XP\_031881044.1 CFRU|XP\_031891867.1 CGLO|KAF3801307.1 CGLO|KAF3802345.1 CGLO|KAF3809862.1 CHIG|XP\_018161457.1 CHIG|XP\_018161588.1 CHIG|XP\_018164834.1 CVIN|KAF4921579.1 CVIN|KAF4930671.1 CVYL|A01756 CVYL|A07778 FGRM|XP\_011321391.1 MGRA|XP\_003849616.1 MLAR|XP\_007409275.1 NCRA|XP\_011394121.1 NCRA|XP\_959318.1 SSCL|APA12798.1

>Orthogroup958: ANID|CBF82649.1 BCIN|XP\_024547245.1 BGRA|VDB93065.1 CFRU|XP\_031875951.1 CFRU|XP\_031890498.1 CGLO|KAF3804967.1 CGLO|KAF3805701.1 CHIG|XP\_018163611.1 CHIG|XP\_018164445.1 CVIN|KAF4907626.1 CVIN|KAF4910228.1 CVYL|A09843 CVYL|A12089 FGRM|XP\_011325427.1 FGRM|XP\_011327817.1 MGRA|XP\_003848414.1 MLAR|XP\_007404836.1 MORY|QBZ61088.1 NCRA|XP\_959443.1 SSCL|APA14192.1

>Orthogroup959: ANID|CBF82670.1 BCIN|XP\_024547223.1 BGRA|VDB89074.1 CFRU|XP\_031877665.1 CFRU|XP\_031881346.1 CGLO|KAF3796983.1 CGLO|KAF3805796.1 CHIG|XP\_018153703.1 CVIN|KAF4912156.1 CVIN|KAF4926618.1 CVYL|A00212 CVYL|A06024 FGRM|XP\_011319795.1 FGRM|XP\_011327825.1 MGRA|XP\_003848260.1 MLAR|XP\_007410564.1 MORY|QBZ60538.1 NCRA|XP\_957079.1 NCRA|XP\_959435.2 SSCL|APA14151.1

>Orthogroup960: ANID|CBF82985.1 BCIN|XP\_001559494.1 CFRU|XP\_031876332.1 CFRU|XP\_031877409.1 CGLO|KAF3808456.1 CHIG|XP\_018152657.1 CHIG|XP\_018155182.1 CHIG|XP\_018161999.1 CVIN|KAF4915208.1 CVIN|KAF4920580.1 CVYL|A06189 CVYL|A11684 MGRA|XP\_003854737.1 MLAR|XP\_007405987.1 MORY|QBZ60907.1 MORY|QBZ65510.1 MORY|QBZ66474.1 NCRA|XP\_959864.3 NCRA|XP\_963210.3 SSCL|APA16001.1

>Orthogroup961: ANID|CBF83060.1 ANID|CBF88889.1 BCIN|XP\_024551512.1 CFRU|XP\_031885114.1 CFRU|XP\_031887506.1 CGLO|KAF3800304.1 CGLO|KAF3807186.1 CHIG|XP\_018154053.1 CHIG|XP\_018162793.1 CVIN|KAF4920233.1 CVIN|KAF4927625.1 CVYL|A03592 CVYL|A06926 FGRM|XP\_011321968.1 FGRM|XP\_011322550.1 FGRM|XP\_011322829.1 MGRA|XP\_003857128.1 MORY|QBZ63838.1 NCRA|XP\_957777.1 SSCL|APA10204.1

>Orthogroup962: ANID|CBF83190.1 ANID|CBF83940.1 ANID|CBF84423.1 ANID|CBF85002.1 BCIN|XP\_001558954.1 BCIN|XP\_024553801.1 CFRU|XP\_031878767.1 CFRU|XP\_031890261.1 CGLO|KAF3802812.1 CHIG|XP\_018151125.1 CHIG|XP\_018158412.1 CVIN|KAF4908245.1 CVIN|KAF4923565.1 CVYL|A09014 CVYL|A11371 FGRM|XP\_011320769.1 MGRA|XP\_003848587.1 MORY|QBZ60190.1 SSCL|APA05823.1 SSCL|APA15272.1

>Orthogroup963: ANID|CBF83580.1 BCIN|XP\_001545784.1 BGRA|VDB88971.1 CFRU|XP\_031891997.1 CGLO|KAF3802365.1 CGLO|KAF3805570.1 CHIG|XP\_018164731.1 CVIN|KAF4922381.1 CVYL|A07633 CVYL|A08595 FGRM|XP\_011324672.1 MGRA|XP\_003846871.1 MGRA|XP\_003846878.1 MGRA|XP\_003847310.1 MGRA|XP\_003851978.1 MLAR|XP\_007408776.1 MORY|QBZ64914.1 MORY|QBZ66561.1 NCRA|XP\_958950.1 SSCL|APA13427.1

>Orthogroup964: ANID|CBF83703.1 BCIN|XP\_024546397.1 CFRU|XP\_031881306.1 CFRU|XP\_031891044.1 CGLO|KAF3801631.1 CGLO|KAF3802480.1 CHIG|XP\_018151395.1 CHIG|XP\_018154782.1 CVIN|KAF4907434.1 CVIN|KAF4921198.1 CVYL|A02072 CVYL|A12506 FGRM|XP\_011317942.1 FGRM|XP\_011325465.1 FGRM|XP\_011328193.1 MGRA|XP\_003853130.1 MORY|QBZ55335.1 MORY|QBZ61308.1 NCRA|XP\_011394991.1 SSCL|APA07213.1

>Orthogroup965: ANID|CBF83872.1 BCIN|XP\_024551383.1 BGRA|VCU39422.1 BGRA|VCU39432.1 BGRA|VCU39436.1 BGRA|VCU39444.1 BGRA|VCU39445.1 BGRA|VCU39465.1 BGRA|VCU39466.1 CFRU|XP\_031885044.1 CGLO|KAF3800288.1 CHIG|XP\_018162777.1 CVIN|KAF4927602.1 CVYL|A06946 FGRM|XP\_011318466.1 MGRA|XP\_003856269.1 MORY|QBZ57888.1 MORY|QBZ63883.1 NCRA|XP\_956668.3 SSCL|APA10609.1

>Orthogroup966: ANID|CBF84000.1 ANID|CBF88539.1 BCIN|XP\_001546815.1 BGRA|VCU41072.1 CFRU|XP\_031878365.1 CGLO|KAF3810786.1 CHIG|XP\_018156531.1 CHIG|XP\_018162526.1 CVIN|KAF4932152.1 CVYL|A07163 FGRM|XP\_011319680.1 FGRM|XP\_011326307.1 MGRA|XP\_003851970.1 MGRA|XP\_003853382.1 MGRA|XP\_003855583.1 MLAR|XP\_007409732.1 MORY|QBZ59595.1 MORY|QBZ65286.1 NCRA|XP\_963083.1 SSCL|APA10411.1

>Orthogroup967: ANID|CBF84359.1 BCIN|XP\_001557105.1 NCRA|XP\_011394069.1 SSCL|APA05403.1 SSCL|APA06327.1 SSCL|APA06353.1 SSCL|APA07402.1 SSCL|APA07403.1 SSCL|APA08430.1 SSCL|APA09117.1 SSCL|APA10304.1 SSCL|APA10305.1 SSCL|APA10306.1 SSCL|APA10931.1 SSCL|APA11067.1 SSCL|APA11486.1 SSCL|APA11487.1 SSCL|APA12616.1 SSCL|APA14550.1 SSCL|APA15321.1

>Orthogroup968: ANID|CBF85751.1 BCIN|XP\_024546501.1 BGRA|VDB95050.1 CFRU|XP\_031882409.1 CFRU|XP\_031884319.1 CGLO|KAF3809432.1 CHIG|XP\_018156286.1 CHIG|XP\_018158933.1 CVIN|KAF4907002.1 CVIN|KAF4907003.1 CVIN|KAF4921376.1 CVYL|A03101 CVYL|A14176 FGRM|XP\_011317818.1 FGRM|XP\_011324722.1 MGRA|XP\_003854989.1 MLAR|XP\_007415297.1 MORY|QBZ57267.1 NCRA|XP\_011392992.1 SSCL|APA06746.1

>Orthogroup969: ANID|CBF85881.1 BCIN|XP\_001550097.1 BGRA|VCU39677.1 CFRU|XP\_031880780.1 CFRU|XP\_031887201.1 CGLO|KAF3806875.1 CGLO|KAF3809236.1 CHIG|XP\_018156064.1 CHIG|XP\_018164805.1 CVIN|KAF4895975.1 CVIN|KAF4925290.1 CVYL|A01426 CVYL|A02521 FGRM|XP\_011319108.1 FGRM|XP\_011322155.1 MGRA|XP\_003857581.1 MORY|QBZ57090.1 NCRA|XP\_960045.1 NCRA|XP\_961648.2 SSCL|APA16037.1

>Orthogroup970: ANID|CBF85931.1 BCIN|XP\_024553107.1 BGRA|VCU39724.1 CFRU|XP\_031885966.1 CFRU|XP\_031886179.1 CGLO|KAF3805421.1 CHIG|XP\_018155283.1 CHIG|XP\_018155285.1 CVIN|KAF4930340.1 CVIN|KAF4930341.1 CVYL|A05550 CVYL|A05551 FGRM|XP\_011324660.1 MLAR|XP\_007405053.1 MLAR|XP\_007418611.1 MORY|QBZ54026.1 NCRA|XP\_963628.1 NCRA|XP\_963629.2 SSCL|APA16324.1 SSCL|APA16325.1

>Orthogroup971: ANID|CBF86381.1 BCIN|XP\_024549471.1 BCIN|XP\_024552670.1 BGRA|VDB92919.1 CFRU|XP\_031877095.1 CFRU|XP\_031886868.1 CFRU|XP\_031887853.1 CGLO|KAF3802196.1 CGLO|KAF3803964.1 CGLO|KAF3811421.1 CHIG|XP\_018150979.1 CHIG|XP\_018160660.1 CVIN|KAF4919687.1 CVIN|KAF4925147.1 CVYL|A03198 CVYL|A04618 CVYL|A08837 MGRA|XP\_003854607.1 SSCL|APA09184.1 SSCL|APA15545.1

>Orthogroup972: ANID|CBF87041.1 BCIN|XP\_024548959.1 CFRU|XP\_031880067.1 CFRU|XP\_031881565.1 CFRU|XP\_031885603.1 CGLO|KAF3807385.1 CGLO|KAF3810046.1 CGLO|KAF3811849.1 CHIG|XP\_018156837.1 CHIG|XP\_018157765.1 CVIN|KAF4917933.1 CVIN|KAF4924864.1 CVIN|KAF4929604.1 CVYL|A02642 CVYL|A10878 CVYL|A11393 FGRM|XP\_011318186.1 FGRM|XP\_011328166.1 MGRA|XP\_003851890.1 SSCL|APA09499.1

>Orthogroup973: ANID|CBF87781.1 BCIN|XP\_024546497.1 BGRA|VDB95037.1 CFRU|XP\_031887936.1 CFRU|XP\_031889119.1 CGLO|KAF3802328.1 CGLO|KAF3803106.1 CHIG|XP\_018154430.1 CHIG|XP\_018155601.1 CVIN|KAF4918820.1 CVIN|KAF4929620.1 CVYL|A00996 CVYL|A10973 FGRM|XP\_011322991.1 MGRA|XP\_003852156.1 MLAR|XP\_007408716.1 MORY|QBZ58191.1 MORY|QBZ62630.1 NCRA|XP\_960333.1 SSCL|APA06751.1

>Orthogroup974: ANID|CBF88705.1 BCIN|XP\_024548961.1 CFRU|XP\_031885849.1 CFRU|XP\_031890117.1 CGLO|KAF3802883.1 CGLO|KAF3810265.1 CHIG|XP\_018157929.1 CHIG|XP\_018158495.1 CVIN|KAF4913025.1 CVIN|KAF4918601.1 CVYL|A02867 CVYL|A05130 FGRM|XP\_011322588.1 FGRM|XP\_011328646.1 MGRA|XP\_003857519.1 MORY|QBZ55938.1 MORY|QBZ59870.1 NCRA|XP\_956088.1 NCRA|XP\_963822.1 SSCL|APA09495.1

>Orthogroup975: ANID|CBF88887.1 BCIN|XP\_001548662.1 BGRA|VCU39370.1 BGRA|VCU40824.1 CFRU|XP\_031882561.1 CHIG|XP\_018152220.1 CVIN|KAF4906670.1 CVYL|A13236 FGRM|XP\_011321327.1 MGRA|XP\_003850447.1 MGRA|XP\_003851442.1 MLAR|XP\_007403628.1 MLAR|XP\_007404026.1 MLAR|XP\_007407863.1 MLAR|XP\_007412543.1 MLAR|XP\_007413791.1 MLAR|XP\_007418696.1 MORY|QBZ62009.1 NCRA|XP\_956003.1 SSCL|APA15589.1

>Orthogroup976: ANID|CBF88921.1 BCIN|XP\_024553423.1 CFRU|XP\_031880811.1 CFRU|XP\_031887705.1 CGLO|KAF3806999.1 CGLO|KAF3811643.1 CHIG|XP\_018159669.1 CHIG|XP\_018160922.1 CVIN|KAF4918772.1 CVIN|KAF4921452.1 CVYL|A03504 CVYL|A06294 FGRM|XP\_011322801.1 FGRM|XP\_011323585.1 MGRA|XP\_003851817.1 MLAR|XP\_007406795.1 MLAR|XP\_007412001.1 MORY|QBZ56608.1 NCRA|XP\_962662.3 SSCL|APA13742.1

>Orthogroup977: ANID|CBF89625.1 BCIN|XP\_024548868.1 CFRU|XP\_031881046.1 CFRU|XP\_031884588.1 CFRU|XP\_031889951.1 CGLO|KAF3799763.1 CGLO|KAF3802895.1 CGLO|KAF3809868.1 CHIG|XP\_018158245.1 CHIG|XP\_018158485.1 CVIN|KAF4913031.1 CVIN|KAF4918959.1 CVIN|KAF4930711.1 CVYL|A01751 CVYL|A05118 CVYL|A11332 FGRM|XP\_011316407.1 MGRA|XP\_003852369.1 MLAR|XP\_007415878.1 SSCL|APA09431.1

>Orthogroup978: ANID|CBF90163.1 BCIN|XP\_001552215.2 BGRA|VDB92823.1 CFRU|XP\_031887502.1 CGLO|KAF3807181.1 CHIG|XP\_018161009.1 CVIN|KAF4920241.1 CVYL|A03587 FGRM|XP\_011328101.1 MGRA|XP\_003849568.1 MLAR|XP\_007405173.1 MLAR|XP\_007410283.1 MLAR|XP\_007411643.1 MLAR|XP\_007414562.1 MLAR|XP\_007416376.1 MLAR|XP\_007416377.1 MLAR|XP\_007418199.1 MORY|QBZ56262.1 NCRA|XP\_011394207.1 SSCL|APA12990.1

>Orthogroup979: BCIN|XP\_001556736.1 BCIN|XP\_024546709.1 CFRU|XP\_031875580.1 CFRU|XP\_031875727.1 CFRU|XP\_031876862.1 CFRU|XP\_031883612.1 CGLO|KAF3799838.1 CGLO|KAF3811897.1 CHIG|XP\_018155165.1 CVIN|KAF4920590.1 CVYL|A06164 CVYL|A09303 CVYL|A09676 CVYL|A09938 FGRM|XP\_011317558.1 MORY|QBZ59833.1 MORY|QBZ60737.1 NCRA|XP\_959040.3 SSCL|APA12159.1 SSCL|APA14535.1

>Orthogroup980: BCIN|XP\_024547174.1 CFRU|XP\_031886550.1 CFRU|XP\_031891736.1 CGLO|KAF3801411.1 CGLO|KAF3804055.1 CGLO|KAF3810051.1 CGLO|KAF3810510.1 CHIG|XP\_018153096.1 CVIN|KAF4919542.1 CVIN|KAF4920906.1 CVYL|A02648 CVYL|A07016 CVYL|A13591 FGRM|XP\_011319577.1 FGRM|XP\_011322794.1 FGRM|XP\_011325358.1 FGRM|XP\_011326375.1 FGRM|XP\_011327405.1 FGRM|XP\_011327412.1 MORY|QBZ53653.1

>Orthogroup981: BCIN|XP\_024547383.1 BCIN|XP\_024553059.1 BCIN|XP\_024553458.1 CFRU|XP\_031877242.1 CFRU|XP\_031879343.1 CFRU|XP\_031892062.1 CGLO|KAF3800098.1 CGLO|KAF3806845.1 CGLO|KAF3808565.1 CHIG|XP\_018153262.1 CHIG|XP\_018160044.1 CVIN|KAF4906486.1 CVIN|KAF4909287.1 CVYL|A02493 CVYL|A06791 CVYL|A11580 FGRM|XP\_011322364.1 MGRA|XP\_003852689.1 SSCL|APA14385.1 SSCL|APA16254.1

>Orthogroup982: BCIN|XP\_024547737.1 CFRU|XP\_031875530.1 CFRU|XP\_031876820.1 CFRU|XP\_031886152.1 CFRU|XP\_031891763.1 CGLO|KAF3801146.1 CGLO|KAF3807354.1 CGLO|KAF3809750.1 CHIG|XP\_018155218.1 CHIG|XP\_018156869.1 CVIN|KAF4914933.1 CVIN|KAF4920085.1 CVYL|A05702 CVYL|A06668 CVYL|A08378 CVYL|A10847 FGRM|XP\_011317462.1 MORY|QBZ54298.1 NCRA|XP\_963502.3 SSCL|APA07980.1

>Orthogroup983: BCIN|XP\_001546477.2 BCIN|XP\_001556337.1 CFRU|XP\_031881054.1 CFRU|XP\_031888266.1 CFRU|XP\_031891619.1 CGLO|KAF3797931.1 CGLO|KAF3803514.1 CGLO|KAF3809915.1 CHIG|XP\_018161505.1 CHIG|XP\_018164074.1 CVIN|KAF4888545.1 CVIN|KAF4907830.1 CVIN|KAF4930650.1 CVYL|A01706 CVYL|A05365 CVYL|A14444 FGRM|XP\_011321168.1 MORY|QBZ62848.1 MORY|QBZ65080.1 SSCL|APA08732.1

>Orthogroup984: BCIN|XP\_024548055.1 BGRA|VDB93209.1 CFRU|XP\_031882367.1 CFRU|XP\_031884986.1 CFRU|XP\_031889916.1 CGLO|KAF3801013.1 CGLO|KAF3805944.1 CGLO|KAF3807581.1 CHIG|XP\_018156354.1 CHIG|XP\_018157663.1 CVIN|KAF4911881.1 CVIN|KAF4928901.1 CVYL|A02901 FGRM|XP\_011318951.1 MGRA|XP\_003857665.1 MLAR|XP\_007416250.1 MLAR|XP\_007418150.1 MORY|QBZ62162.1 NCRA|XP\_956541.2 SSCL|APA15959.1

>Orthogroup985: BCIN|XP\_001549027.2 CFRU|XP\_031886388.1 CFRU|XP\_031887802.1 CFRU|XP\_031891704.1 CGLO|KAF3797649.1 CGLO|KAF3801427.1 CGLO|KAF3801428.1 CGLO|KAF3802243.1 CGLO|KAF3806266.1 CHIG|XP\_018161324.1 CVIN|KAF4914852.1 CVIN|KAF4919360.1 CVIN|KAF4922371.1 CVIN|KAF4922374.1 CVIN|KAF4923928.1 CVYL|A03156 CVYL|A07657 CVYL|A11854 SSCL|APA06565.1 SSCL|APA07772.1

>Orthogroup986: BCIN|XP\_024552466.1 CFRU|XP\_031878683.1 CFRU|XP\_031884625.1 CFRU|XP\_031892527.1 CFRU|XP\_031892635.1 CGLO|KAF3802443.1 CGLO|KAF3803834.1 CGLO|KAF3807224.1 CGLO|KAF3807225.1 CHIG|XP\_018161374.1 CHIG|XP\_018161468.1 CVIN|KAF4888649.1 CVIN|KAF4906641.1 CVIN|KAF4908008.1 CVIN|KAF4927818.1 CVIN|KAF4928115.1 CVYL|A08966 CVYL|A10713 FGRM|XP\_011326596.1 MORY|QBZ63823.1

>Orthogroup987: CFRU|XP\_031892439.1 CFRU|XP\_031893067.1 CGLO|KAF3798864.1 CGLO|KAF3807211.1 CGLO|KAF3808375.1 CHIG|XP\_018152444.1 CVIN|KAF4916843.1 CVIN|KAF4920336.1 CVIN|KAF4928199.1 CVYL|A09072 CVYL|A09535 CVYL|A10683 FGRM|XP\_011317685.1 FGRM|XP\_011326507.1 MORY|QBZ54075.1 MORY|QBZ54114.1 NCRA|XP\_011394098.1 NCRA|XP\_959567.2 NCRA|XP\_959835.3 SSCL|APA13531.1

>Orthogroup988: CFRU|XP\_031880049.1 CFRU|XP\_031881274.1 CFRU|XP\_031888000.1 CGLO|KAF3802074.1 CGLO|KAF3802540.1 CGLO|KAF3811834.1 CHIG|XP\_018154214.1 CHIG|XP\_018156996.1 CHIG|XP\_018158029.1 CHIG|XP\_018159564.1 CVIN|KAF4917983.1 CVIN|KAF4921852.1 CVIN|KAF4924903.1 CVYL|A02134 CVYL|A03312 CVYL|A12836 FGRM|XP\_011318288.1 FGRM|XP\_011328662.1 MORY|QBZ53483.1 MORY|QBZ53688.1

>Orthogroup989: CFRU|XP\_031887732.1 CFRU|XP\_031892124.1 CGLO|KAF3807124.1 CHIG|XP\_018151462.1 CHIG|XP\_018160950.1 CHIG|XP\_018164990.1 CVIN|KAF4903858.1 CVIN|KAF4920161.1 CVYL|A03522 CVYL|A06670 FGRM|XP\_011321810.1 FGRM|XP\_011328496.1 MGRA|XP\_003856602.1 MORY|QBZ58991.1 MORY|QBZ59244.1 MORY|QBZ61848.1 MORY|QBZ62710.1 NCRA|XP\_957681.3 NCRA|XP\_960124.1 SSCL|APA06753.1

>Orthogroup990: CFRU|XP\_031875346.1 CFRU|XP\_031875386.1 CFRU|XP\_031875462.1 CFRU|XP\_031875545.1 CFRU|XP\_031877405.1 CFRU|XP\_031879092.1 CFRU|XP\_031880415.1 CFRU|XP\_031883232.1 CGLO|KAF3798827.1 CGLO|KAF3807260.1 CGLO|KAF3807969.1 CGLO|KAF3808447.1 CHIG|XP\_018156585.1 CVIN|KAF4919572.1 CVIN|KAF4924068.1 CVIN|KAF4928189.1 CVYL|A00657 CVYL|A09106 CVYL|A10741 CVYL|A11694

>Orthogroup991: CFRU|XP\_031877914.1 CFRU|XP\_031877922.1 CFRU|XP\_031884206.1 CFRU|XP\_031884207.1 CGLO|KAF3810919.1 CGLO|KAF3810935.1 CGLO|KAF3811015.1 CGLO|KAF3811016.1 CHIG|XP\_018153014.1 CHIG|XP\_018154897.1 CHIG|XP\_018158155.1 CVIN|KAF4909530.1 CVIN|KAF4926868.1 CVIN|KAF4926869.1 CVYL|A02225 CVYL|A09772 FGRM|XP\_011321702.1 FGRM|XP\_011328035.1 MORY|QBZ59216.1 MORY|QBZ59358.1

>Orthogroup992: CFRU|XP\_031889758.1 CFRU|XP\_031889759.1 CFRU|XP\_031891075.1 CFRU|XP\_031891779.1 CGLO|KAF3801396.1 CGLO|KAF3801445.1 CGLO|KAF3804733.1 CGLO|KAF3805806.1 CGLO|KAF3805807.1 CGLO|KAF3805894.1 CGLO|KAF3805895.1 CHIG|XP\_018158900.1 CVIN|KAF4890836.1 CVIN|KAF4912403.1 CVIN|KAF4920777.1 CVIN|KAF4920911.1 CVYL|A06016 CVYL|A07688 CVYL|A12681 CVYL|A13817

>Orthogroup993: CFRU|XP\_031879190.1 CFRU|XP\_031882123.1 CGLO|KAF3804410.1 CGLO|KAF3807109.1 CGLO|KAF3810886.1 CHIG|XP\_018154917.1 CHIG|XP\_018159760.1 CHIG|XP\_018160232.1 CHIG|XP\_018161712.1 CVIN|KAF4916356.1 CVIN|KAF4919054.1 CVIN|KAF4930959.1 CVYL|A04110 CVYL|A06395 FGRM|XP\_011318338.1 FGRM|XP\_011321003.1 FGRM|XP\_011322455.1 FGRM|XP\_011328788.1 MORY|QBZ59136.1 NCRA|XP\_958837.2

>Orthogroup994: MLAR|XP\_007403621.1 MLAR|XP\_007406094.1 MLAR|XP\_007406239.1 MLAR|XP\_007406626.1 MLAR|XP\_007407751.1 MLAR|XP\_007408157.1 MLAR|XP\_007410288.1 MLAR|XP\_007410842.1 MLAR|XP\_007410843.1 MLAR|XP\_007412578.1 MLAR|XP\_007412579.1 MLAR|XP\_007412602.1 MLAR|XP\_007413453.1 MLAR|XP\_007413918.1 MLAR|XP\_007414103.1 MLAR|XP\_007416092.1 MLAR|XP\_007416933.1 MLAR|XP\_007417515.1 MLAR|XP\_007418586.1 MLAR|XP\_007419424.1

>Orthogroup995: MLAR|XP\_007404510.1 MLAR|XP\_007404831.1 MLAR|XP\_007405199.1 MLAR|XP\_007405474.1 MLAR|XP\_007405475.1 MLAR|XP\_007405649.1 MLAR|XP\_007405691.1 MLAR|XP\_007406750.1 MLAR|XP\_007410029.1 MLAR|XP\_007411068.1 MLAR|XP\_007411776.1 MLAR|XP\_007412116.1 MLAR|XP\_007412117.1 MLAR|XP\_007412613.1 MLAR|XP\_007414068.1 MLAR|XP\_007414243.1 MLAR|XP\_007414856.1 MLAR|XP\_007415635.1 MLAR|XP\_007418475.1 MLAR|XP\_007418528.1

>Orthogroup996: MLAR|XP\_007404941.1 MLAR|XP\_007404942.1 MLAR|XP\_007405223.1 MLAR|XP\_007405224.1 MLAR|XP\_007405940.1 MLAR|XP\_007405941.1 MLAR|XP\_007406051.1 MLAR|XP\_007406052.1 MLAR|XP\_007407635.1 MLAR|XP\_007407915.1 MLAR|XP\_007409721.1 MLAR|XP\_007410990.1 MLAR|XP\_007411689.1 MLAR|XP\_007411768.1 MLAR|XP\_007415140.1 MLAR|XP\_007415141.1 MLAR|XP\_007415203.1 MLAR|XP\_007415585.1 MLAR|XP\_007415586.1 MLAR|XP\_007419427.1

>Orthogroup997: MLAR|XP\_007409010.1 MLAR|XP\_007409467.1 MLAR|XP\_007410205.1 MLAR|XP\_007410232.1 MLAR|XP\_007410249.1 MLAR|XP\_007410256.1 MLAR|XP\_007410335.1 MLAR|XP\_007414009.1 MLAR|XP\_007415177.1 MLAR|XP\_007415178.1 MLAR|XP\_007416669.1 MLAR|XP\_007416670.1 MLAR|XP\_007416671.1 MLAR|XP\_007416767.1 MLAR|XP\_007416772.1 MLAR|XP\_007416786.1 MLAR|XP\_007416813.1 MLAR|XP\_007416823.1 MLAR|XP\_007416858.1 MLAR|XP\_007419051.1

>Orthogroup998: ANID|CBF69431.1 ANID|CBF73986.1 BCIN|XP\_024551920.1 CFRU|XP\_031883929.1 CFRU|XP\_031888444.1 CFRU|XP\_031893515.1 CGLO|KAF3797804.1 CGLO|KAF3805094.1 CGLO|KAF3809487.1 CHIG|XP\_018156480.1 CVIN|KAF4921291.1 CVIN|KAF4927445.1 CVYL|A03032 CVYL|A06463 CVYL|A06464 CVYL|A10054 FGRM|XP\_011317645.1 MGRA|XP\_003854058.1 SSCL|APA06357.1

>Orthogroup999: ANID|CBF69676.1 BCIN|XP\_024553911.1 CFRU|XP\_031882981.1 CFRU|XP\_031883761.1 CFRU|XP\_031890097.1 CGLO|KAF3798263.1 CGLO|KAF3808188.1 CHIG|XP\_018156666.1 CHIG|XP\_018163217.1 CVIN|KAF4916904.1 CVIN|KAF4924331.1 CVYL|A00540 FGRM|XP\_011322631.1 FGRM|XP\_011326168.1 MGRA|XP\_003848967.1 MGRA|XP\_003849268.1 MORY|QBZ58229.1 NCRA|XP\_956092.2 SSCL|APA15285.1

>Orthogroup1000: ANID|CBF70202.1 ANID|CBF73935.1 ANID|CBF84660.1 BCIN|XP\_024553514.1 BCIN|XP\_024553880.1 CFRU|XP\_031882976.1 CGLO|KAF3808165.1 CHIG|XP\_018154142.1 CHIG|XP\_018163246.1 CHIG|XP\_018163247.1 CVIN|KAF4910503.1 CVIN|KAF4924276.1 CVYL|A00516 CVYL|A03356 FGRM|XP\_011326112.1 MORY|QBZ58169.1 NCRA|XP\_959048.3 NCRA|XP\_965194.3 SSCL|APA15204.1

>Orthogroup1001: ANID|CBF70290.1 ANID|CBF78189.1 BCIN|XP\_024546002.1 BCIN|XP\_024552331.1 BGRA|VCU38870.1 CFRU|XP\_031887542.1 CGLO|KAF3803288.1 CHIG|XP\_018161138.1 CHIG|XP\_018161222.1 CVIN|KAF4928685.1 CVYL|A03723 FGRM|XP\_011321678.1 FGRM|XP\_011325224.1 FGRM|XP\_011327962.1 MGRA|XP\_003852245.1 MLAR|XP\_007408615.1 MORY|QBZ64558.1 NCRA|XP\_962457.1 SSCL|APA13189.1

>Orthogroup1002: ANID|CBF70326.1 ANID|CBF87326.1 CFRU|XP\_031877113.1 CFRU|XP\_031877897.1 CFRU|XP\_031891146.1 CGLO|KAF3803966.1 CGLO|KAF3804620.1 CGLO|KAF3804621.1 CGLO|KAF3810893.1 CHIG|XP\_018150975.1 CHIG|XP\_018150976.1 CHIG|XP\_018154921.1 CVIN|KAF4916364.1 CVIN|KAF4919106.1 CVIN|KAF4925145.1 CVYL|A02250 CVYL|A05261 CVYL|A08835 FGRM|XP\_011325490.1

>Orthogroup1003: ANID|CBF70418.1 ANID|CBF81930.1 ANID|CBF86724.1 CFRU|XP\_031877077.1 CFRU|XP\_031884722.1 CFRU|XP\_031885139.1 CFRU|XP\_031889515.1 CGLO|KAF3805203.1 CHIG|XP\_018152955.1 CHIG|XP\_018158924.1 CHIG|XP\_018163000.1 CVIN|KAF4898941.1 CVIN|KAF4909093.1 CVIN|KAF4921535.1 CVYL|A00807 CVYL|A07952 CVYL|A13802 FGRM|XP\_011320362.1 FGRM|XP\_011323134.1

>Orthogroup1004: ANID|CBF70679.1 BCIN|XP\_001551451.1 BGRA|VCU40089.1 CFRU|XP\_031880591.1 CFRU|XP\_031884543.1 CGLO|KAF3799081.1 CGLO|KAF3811549.1 CHIG|XP\_018158178.1 CHIG|XP\_018160809.1 CVIN|KAF4918262.1 CVIN|KAF4926785.1 CVYL|A04761 CVYL|A11447 FGRM|XP\_011317848.1 FGRM|XP\_011324798.1 MGRA|XP\_003852258.1 MORY|QBZ57225.1 NCRA|XP\_962062.3 SSCL|APA06177.1

>Orthogroup1005: ANID|CBF70779.1 BCIN|XP\_001554945.1 BCIN|XP\_001560453.1 CFRU|XP\_031879641.1 CFRU|XP\_031880561.1 CHIG|XP\_018151501.1 CHIG|XP\_018160759.1 CVIN|KAF4910766.1 CVIN|KAF4926798.1 CVYL|A04709 CVYL|A08044 FGRM|XP\_011317642.1 FGRM|XP\_011317801.1 MGRA|XP\_003852229.1 MGRA|XP\_003854108.1 MORY|QBZ58786.1 NCRA|XP\_011394181.1 SSCL|APA08371.1 SSCL|APA15710.1

>Orthogroup1006: ANID|CBF71163.1 BCIN|XP\_001546556.2 BCIN|XP\_024552124.1 BGRA|VDB93482.1 CFRU|XP\_031879346.1 CFRU|XP\_031891330.1 CGLO|KAF3797401.1 CGLO|KAF3808568.1 CHIG|XP\_018157360.1 CVIN|KAF4906490.1 CVIN|KAF4929398.1 CVYL|A10277 CVYL|A11576 FGRM|XP\_011328747.1 MGRA|XP\_003848413.1 MGRA|XP\_003849028.1 MLAR|XP\_007411544.1 SSCL|APA12953.1 SSCL|APA16265.1

>Orthogroup1007: ANID|CBF71180.1 BCIN|XP\_001551737.1 BGRA|VDB88181.1 CFRU|XP\_031888891.1 CFRU|XP\_031892753.1 CGLO|KAF3797203.1 CGLO|KAF3799300.1 CHIG|XP\_018157307.1 CHIG|XP\_018159902.1 CVIN|KAF4920830.1 CVIN|KAF4924760.1 CVYL|A03953 CVYL|A10494 FGRM|XP\_011320034.1 MGRA|XP\_003853573.1 MLAR|XP\_007413682.1 MORY|QBZ65929.1 NCRA|XP\_011393298.1 SSCL|APA12011.1

>Orthogroup1008: ANID|CBF71304.1 BCIN|XP\_024552310.1 BGRA|VDB92840.1 BGRA|VDB92841.1 CFRU|XP\_031880960.1 CFRU|XP\_031880961.1 CGLO|KAF3800400.1 CHIG|XP\_018161405.1 CVIN|KAF4930600.1 CVIN|KAF4930613.1 CVYL|A01795 FGRM|XP\_011321430.1 FGRM|XP\_011321431.1 MLAR|XP\_007406888.1 MORY|QBZ65276.1 MORY|QBZ65279.1 NCRA|XP\_001728128.1 NCRA|XP\_961772.1 SSCL|APA13262.1

>Orthogroup1009: ANID|CBF71465.1 ANID|CBF75950.1 ANID|CBF87346.1 ANID|CBF88306.1 ANID|CBF88998.1 BCIN|XP\_024549947.1 BCIN|XP\_024553149.1 CFRU|XP\_031881111.1 CGLO|KAF3800444.1 CHIG|XP\_018161388.1 CVIN|KAF4902814.1 CVYL|A01832 CVYL|A02263 CVYL|A11377 FGRM|XP\_011324178.1 MORY|QBZ55813.1 MORY|QBZ66434.1 SSCL|APA05289.1 SSCL|APA13328.1

>Orthogroup1010: ANID|CBF71747.1 ANID|CBF80776.1 BCIN|XP\_001560250.1 CFRU|XP\_031875706.1 CFRU|XP\_031879058.1 CFRU|XP\_031893109.1 CGLO|KAF3798157.1 CGLO|KAF3798158.1 CGLO|KAF3798799.1 CGLO|KAF3809621.1 CHIG|XP\_018152560.1 CHIG|XP\_018154050.1 CHIG|XP\_018161397.1 CVIN|KAF4919189.1 CVIN|KAF4919576.1 CVYL|A04958 CVYL|A08422 CVYL|A09128 SSCL|APA15944.1

>Orthogroup1011: ANID|CBF71750.1 ANID|CBF76498.1 BCIN|XP\_024547162.1 BGRA|VDB88706.1 CFRU|XP\_031879676.1 CFRU|XP\_031887501.1 CGLO|KAF3807182.1 CHIG|XP\_018154083.1 CHIG|XP\_018159854.1 CVIN|KAF4919117.1 CVIN|KAF4920234.1 CVYL|A03588 CVYL|A04947 FGRM|XP\_011325582.1 MGRA|XP\_003852105.1 MLAR|XP\_007412236.1 MORY|QBZ64333.1 NCRA|XP\_011395132.1 SSCL|APA14073.1

>Orthogroup1012: ANID|CBF71792.1 ANID|CBF78056.1 ANID|CBF87985.1 BCIN|XP\_024552261.1 CFRU|XP\_031881144.1 CFRU|XP\_031882579.1 CGLO|KAF3803941.1 CGLO|KAF3809908.1 CHIG|XP\_018151006.1 CHIG|XP\_018161494.1 CVIN|KAF4925203.1 CVIN|KAF4930648.1 CVYL|A01711 CVYL|A08862 FGRM|XP\_011323102.1 MGRA|XP\_003847802.1 MGRA|XP\_003856009.1 SSCL|APA09951.1 SSCL|APA13108.1

>Orthogroup1013: ANID|CBF73528.1 ANID|CBF88611.1 BCIN|XP\_024551180.1 CFRU|XP\_031885027.1 CFRU|XP\_031886513.1 CGLO|KAF3800318.1 CGLO|KAF3806324.1 CHIG|XP\_018162942.1 CHIG|XP\_018164849.1 CVIN|KAF4923966.1 CVIN|KAF4927816.1 CVYL|A06911 FGRM|XP\_011326257.1 FGRM|XP\_011328398.1 MGRA|XP\_003848807.1 MLAR|XP\_007414714.1 MORY|QBZ59736.1 NCRA|XP\_957707.2 SSCL|APA10167.1

>Orthogroup1014: ANID|CBF73592.1 CFRU|XP\_031877399.1 CFRU|XP\_031877400.1 CFRU|XP\_031878506.1 CFRU|XP\_031891721.1 CGLO|KAF3799786.1 CGLO|KAF3801290.1 CGLO|KAF3808437.1 CHIG|XP\_018153891.1 CHIG|XP\_018164853.1 CVIN|KAF4912461.1 CVIN|KAF4912462.1 CVIN|KAF4921562.1 CVIN|KAF4931496.1 CVYL|A04806 CVYL|A07798 CVYL|A11704 CVYL|A11706 MGRA|XP\_003848486.1

>Orthogroup1015: ANID|CBF73733.1 BCIN|XP\_001545606.1 BGRA|VCU40831.1 CFRU|XP\_031875720.1 CFRU|XP\_031889595.1 CGLO|KAF3798149.1 CGLO|KAF3810572.1 CHIG|XP\_018154042.1 CVIN|KAF4914225.1 CVYL|A04965 CVYL|A13651 FGRM|XP\_011328347.1 MGRA|XP\_003856302.1 MLAR|XP\_007409800.1 MLAR|XP\_007412050.1 MLAR|XP\_007417047.1 MORY|QBZ57353.1 NCRA|XP\_011395352.1 SSCL|APA07335.1

>Orthogroup1016: ANID|CBF74035.1 CFRU|XP\_031878359.1 CFRU|XP\_031881668.1 CFRU|XP\_031883626.1 CFRU|XP\_031887769.1 CFRU|XP\_031889630.1 CGLO|KAF3803259.1 CGLO|KAF3808100.1 CGLO|KAF3809794.1 CGLO|KAF3809795.1 CGLO|KAF3810538.1 CGLO|KAF3810539.1 CHIG|XP\_018164555.1 CVIN|KAF4914550.1 CVIN|KAF4914569.1 CVIN|KAF4928651.1 CVYL|A03692 FGRM|XP\_011322830.1 MORY|QBZ62622.1

>Orthogroup1017: ANID|CBF74108.1 BCIN|XP\_024553296.1 CFRU|XP\_031882237.1 CFRU|XP\_031891081.1 CGLO|KAF3801462.1 CGLO|KAF3804485.1 CHIG|XP\_018151912.1 CHIG|XP\_018160314.1 CVIN|KAF4912388.1 CVIN|KAF4930921.1 CVYL|A04200 CVYL|A12662 FGRM|XP\_011316417.1 FGRM|XP\_011326911.1 MGRA|XP\_003850782.1 MLAR|XP\_007405294.1 MORY|QBZ57048.1 NCRA|XP\_961102.1 SSCL|APA13535.1

>Orthogroup1018: ANID|CBF74204.1 ANID|CBF74228.1 BCIN|XP\_024546835.1 BGRA|VCU40670.1 CFRU|XP\_031877480.1 CFRU|XP\_031882143.1 CGLO|KAF3804319.1 CHIG|XP\_018156856.1 CHIG|XP\_018160111.1 CVIN|KAF4920150.1 CVIN|KAF4921641.1 CVYL|A01972 CVYL|A04011 FGRM|XP\_011324561.1 MGRA|XP\_003850188.1 MLAR|XP\_007407269.1 MORY|QBZ54768.1 NCRA|XP\_961026.2 SSCL|APA06046.1

>Orthogroup1019: ANID|CBF74355.1 ANID|CBF74663.1 BCIN|XP\_001557795.1 BCIN|XP\_001559841.1 CFRU|XP\_031882509.1 CGLO|KAF3807642.1 CVIN|KAF4921384.1 CVYL|A03109 FGRM|XP\_011318666.1 FGRM|XP\_011318995.1 MGRA|XP\_003850786.1 MGRA|XP\_003851243.1 MGRA|XP\_003854004.1 MLAR|XP\_007409379.1 MORY|QBZ57386.1 MORY|QBZ66216.1 NCRA|XP\_957588.1 SSCL|APA09706.1 SSCL|APA12149.1

>Orthogroup1020: ANID|CBF74533.1 BCIN|XP\_024548547.1 BCIN|XP\_024552606.1 CFRU|XP\_031884282.1 CFRU|XP\_031886453.1 CFRU|XP\_031889686.1 CGLO|KAF3799988.1 CGLO|KAF3806320.1 CGLO|KAF3810610.1 CHIG|XP\_018158962.1 CVIN|KAF4908282.1 CVIN|KAF4923968.1 CVYL|A11912 CVYL|A13693 FGRM|XP\_011321725.1 MGRA|XP\_003854996.1 MORY|QBZ53489.1 NCRA|XP\_963709.1 SSCL|APA15691.1

>Orthogroup1021: ANID|CBF74713.1 ANID|CBF81557.1 ANID|CBF83945.1 ANID|CBF87181.1 BCIN|XP\_024547390.1 BCIN|XP\_024552484.1 CFRU|XP\_031878356.1 CFRU|XP\_031879113.1 CGLO|KAF3798070.1 CHIG|XP\_018151219.1 CVIN|KAF4919565.1 CVIN|KAF4928000.1 CVYL|A08287 CVYL|A09109 FGRM|XP\_011320721.1 FGRM|XP\_011327365.1 MORY|QBZ59194.1 SSCL|APA08527.1 SSCL|APA14399.1

>Orthogroup1022: ANID|CBF74825.1 BCIN|XP\_001551516.1 CFRU|XP\_031879107.1 CFRU|XP\_031880595.1 CGLO|KAF3798309.1 CGLO|KAF3811516.1 CHIG|XP\_018151535.1 CHIG|XP\_018160773.1 CHIG|XP\_018163638.1 CVIN|KAF4920322.1 CVIN|KAF4926734.1 CVYL|A04724 CVYL|A09050 FGRM|XP\_011317815.1 FGRM|XP\_011322010.1 MGRA|XP\_003855007.1 MORY|QBZ58761.1 NCRA|XP\_961915.1 SSCL|APA05409.1

>Orthogroup1023: ANID|CBF74934.1 ANID|CBF79106.1 ANID|CBF80518.1 CFRU|XP\_031889433.1 CFRU|XP\_031889866.1 CFRU|XP\_031891883.1 CGLO|KAF3797684.1 CGLO|KAF3809822.1 CGLO|KAF3810522.1 CHIG|XP\_018155463.1 CHIG|XP\_018159084.1 CVIN|KAF4914565.1 CVIN|KAF4919339.1 CVIN|KAF4919372.1 CVYL|A01087 CVYL|A06740 CVYL|A13600 FGRM|XP\_011319887.1 MORY|QBZ61607.1

>Orthogroup1024: ANID|CBF75000.1 ANID|CBF88824.1 BCIN|XP\_001551693.1 CFRU|XP\_031880388.1 CFRU|XP\_031881102.1 CGLO|KAF3800420.1 CHIG|XP\_018156956.1 CHIG|XP\_018161394.1 CVIN|KAF4928179.1 CVIN|KAF4930745.1 CVYL|A01812 FGRM|XP\_011318238.1 FGRM|XP\_011322947.1 MGRA|XP\_003852824.1 MLAR|XP\_007405525.1 MORY|QBZ65110.1 NCRA|XP\_956058.1 NCRA|XP\_965835.1 SSCL|APA11603.1

>Orthogroup1025: ANID|CBF75169.1 ANID|CBF83803.1 BCIN|XP\_001552421.2 BCIN|XP\_024546705.1 BCIN|XP\_024546946.1 BCIN|XP\_024550141.1 BGRA|VDB89701.1 CFRU|XP\_031890984.1 CGLO|KAF3801663.1 CHIG|XP\_018151437.1 CVIN|KAF4921229.1 CVYL|A12472 FGRM|XP\_011328504.1 MGRA|XP\_003853651.1 MORY|QBZ62150.1 NCRA|XP\_957542.1 SSCL|APA05783.1 SSCL|APA10776.1 SSCL|APA14890.1

>Orthogroup1026: ANID|CBF75246.1 ANID|CBF83005.1 BCIN|XP\_024551316.1 BCIN|XP\_024552635.1 CFRU|XP\_031886694.1 CGLO|KAF3804065.1 CHIG|XP\_018162700.1 CVIN|KAF4919562.1 CVYL|A07027 FGRM|XP\_011326955.1 MGRA|XP\_003848666.1 MGRA|XP\_003850591.1 MGRA|XP\_003856984.1 MLAR|XP\_007406677.1 MORY|QBZ61432.1 NCRA|XP\_011394029.1 NCRA|XP\_956004.2 SSCL|APA10560.1 SSCL|APA15612.1

>Orthogroup1027: ANID|CBF75516.1 BCIN|XP\_024547254.1 BGRA|VCU39602.1 CFRU|XP\_031877636.1 CGLO|KAF3801071.1 CHIG|XP\_018153718.1 CVIN|KAF4902049.1 CVYL|A00068 FGRM|XP\_011327789.1 MGRA|XP\_003848451.1 MLAR|XP\_007405318.1 MLAR|XP\_007405319.1 MLAR|XP\_007405939.1 MLAR|XP\_007407832.1 MLAR|XP\_007411007.1 MLAR|XP\_007411008.1 MORY|QBZ62345.1 NCRA|XP\_957980.1 SSCL|APA14202.1

>Orthogroup1028: ANID|CBF75768.1 ANID|CBF77728.1 ANID|CBF80763.1 BCIN|XP\_024548102.1 CGLO|KAF3809565.1 CGLO|KAF3811815.1 CVYL|A02458 CVYL|A12819 FGRM|XP\_011320666.1 FGRM|XP\_011323157.1 FGRM|XP\_011328856.1 MGRA|XP\_003855269.1 MORY|QBZ65726.1 SSCL|APA08425.1 SSCL|APA10080.1 SSCL|APA11278.1 SSCL|APA13360.1 SSCL|APA14435.1 SSCL|APA14932.1

>Orthogroup1029: ANID|CBF75772.1 ANID|CBF85175.1 CFRU|XP\_031877139.1 CFRU|XP\_031879737.1 CFRU|XP\_031886607.1 CFRU|XP\_031887564.1 CFRU|XP\_031888618.1 CGLO|KAF3801946.1 CGLO|KAF3802652.1 CGLO|KAF3804253.1 CGLO|KAF3807244.1 CHIG|XP\_018152694.1 CHIG|XP\_018163031.1 CVIN|KAF4930140.1 CVYL|A03600 CVYL|A03930 CVYL|A04931 FGRM|XP\_011322420.1 MORY|QBZ63622.1

>Orthogroup1030: ANID|CBF75823.1 ANID|CBF81931.1 BCIN|XP\_001551850.1 BCIN|XP\_001556813.1 BCIN|XP\_024546761.1 BGRA|VDB86361.1 CFRU|XP\_031875990.1 CFRU|XP\_031876847.1 CFRU|XP\_031888419.1 CGLO|KAF3803646.1 CHIG|XP\_018163810.1 CVIN|KAF4913941.1 CVYL|A14580 FGRM|XP\_011317003.1 MGRA|XP\_003853116.1 MORY|QBZ54664.1 NCRA|XP\_011393178.1 SSCL|APA14591.1 SSCL|APA15233.1

>Orthogroup1031: ANID|CBF76267.1 BCIN|XP\_001547561.1 BCIN|XP\_001552968.2 CFRU|XP\_031884363.1 CFRU|XP\_031889249.1 CGLO|KAF3811038.1 CHIG|XP\_018153053.1 CHIG|XP\_018155575.1 CVIN|KAF4918166.1 CVIN|KAF4929561.1 CVYL|A00946 CVYL|A09752 FGRM|XP\_011320481.1 FGRM|XP\_011327712.1 MGRA|XP\_003848844.1 MORY|QBZ58580.1 NCRA|XP\_963404.1 SSCL|APA07477.1 SSCL|APA13998.1

>Orthogroup1032: ANID|CBF76384.1 ANID|CBF77549.1 BCIN|XP\_001549278.2 BGRA|VCU40205.1 CFRU|XP\_031880250.1 CFRU|XP\_031882525.1 CGLO|KAF3800483.1 CHIG|XP\_018152276.1 CHIG|XP\_018155857.1 CVIN|KAF4906671.1 CVIN|KAF4918004.1 CVYL|A01602 CVYL|A13230 FGRM|XP\_011323677.1 FGRM|XP\_011324320.1 MGRA|XP\_003847909.1 MORY|QBZ54409.1 NCRA|XP\_956817.3 SSCL|APA12098.1

>Orthogroup1033: ANID|CBF77670.1 ANID|CBF87020.1 BCIN|XP\_001548545.1 BCIN|XP\_001557191.1 BGRA|VCU40918.1 CFRU|XP\_031882413.1 CGLO|KAF3809427.1 CHIG|XP\_018156269.1 CVIN|KAF4921398.1 CVYL|A03096 FGRM|XP\_011319054.1 FGRM|XP\_011322303.1 MGRA|XP\_003857702.1 MLAR|XP\_007407152.1 MLAR|XP\_007409898.1 MLAR|XP\_007417073.1 MORY|QBZ56648.1 NCRA|XP\_961338.2 SSCL|APA12523.1

>Orthogroup1034: ANID|CBF78305.1 BCIN|XP\_001549525.2 BCIN|XP\_001549788.1 BCIN|XP\_024552465.1 BGRA|VDB86149.1 CFRU|XP\_031888718.1 CGLO|KAF3799200.1 CHIG|XP\_018159814.1 CVIN|KAF4894524.1 CVYL|A03423 CVYL|A10095 FGRM|XP\_011317499.1 MGRA|XP\_003847918.1 MGRA|XP\_003848272.1 MGRA|XP\_003854430.1 MORY|QBZ54543.1 MORY|QBZ62584.1 SSCL|APA08545.1 SSCL|APA13569.1

>Orthogroup1035: ANID|CBF78509.1 ANID|CBF81402.1 BCIN|XP\_001552074.1 CFRU|XP\_031876407.1 CFRU|XP\_031893234.1 CGLO|KAF3800809.1 CGLO|KAF3801975.1 CHIG|XP\_018150916.1 CVIN|KAF4919804.1 CVIN|KAF4922476.1 CVYL|A02410 CVYL|A08742 FGRM|XP\_011321713.1 FGRM|XP\_011324149.1 MGRA|XP\_003850618.1 MLAR|XP\_007417208.1 MORY|QBZ60754.1 NCRA|XP\_963120.1 SSCL|APA09806.1

>Orthogroup1036: ANID|CBF78618.1 BCIN|XP\_001546488.1 CFRU|XP\_031878442.1 CFRU|XP\_031891600.1 CFRU|XP\_031891808.1 CGLO|KAF3797407.1 CGLO|KAF3799797.1 CHIG|XP\_018153902.1 CHIG|XP\_018157367.1 CHIG|XP\_018164987.1 CVIN|KAF4892666.1 CVIN|KAF4912451.1 CVIN|KAF4915193.1 CVIN|KAF4929408.1 CVYL|A04796 CVYL|A06687 CVYL|A10270 FGRM|XP\_011317610.1 MORY|QBZ60795.1

>Orthogroup1037: ANID|CBF78706.1 BCIN|XP\_024546622.1 CFRU|XP\_031876000.1 CFRU|XP\_031878207.1 CFRU|XP\_031893392.1 CGLO|KAF3797306.1 CGLO|KAF3808528.1 CHIG|XP\_018157203.1 CVIN|KAF4917643.1 CVIN|KAF4924992.1 CVYL|A10389 CVYL|A11615 FGRM|XP\_011315767.1 FGRM|XP\_011317839.1 FGRM|XP\_011318039.1 FGRM|XP\_011319460.1 FGRM|XP\_011319461.1 FGRM|XP\_011320723.1 MGRA|XP\_003856685.1

>Orthogroup1038: ANID|CBF79660.1 BCIN|XP\_001551926.1 BCIN|XP\_024553156.1 BGRA|VDB93725.1 CFRU|XP\_031882774.1 CGLO|KAF3803449.1 CHIG|XP\_018163977.1 CVIN|KAF4926299.1 CVYL|A14377 FGRM|XP\_011315848.1 FGRM|XP\_011316976.1 MGRA|XP\_003855954.1 MGRA|XP\_003856630.1 MLAR|XP\_007411031.1 MORY|QBZ55324.1 NCRA|XP\_965466.1 SSCL|APA07519.1 SSCL|APA13334.1 SSCL|APA14614.1

>Orthogroup1039: ANID|CBF79758.1 BCIN|XP\_024552238.1 BGRA|VDB92788.1 CFRU|XP\_031887699.1 CGLO|KAF3803221.1 CHIG|XP\_018161073.1 CVIN|KAF4928720.1 CVYL|A03651 FGRM|XP\_011317511.1 FGRM|XP\_011322298.1 FGRM|XP\_011324210.1 FGRM|XP\_011324211.1 MGRA|XP\_003849540.1 MLAR|XP\_007414730.1 MORY|QBZ58796.1 MORY|QBZ63374.1 NCRA|XP\_956324.3 NCRA|XP\_962433.1 SSCL|APA13022.1

>Orthogroup1040: ANID|CBF79839.1 BCIN|XP\_001550496.1 BCIN|XP\_024553506.1 BGRA|VCU41284.1 CFRU|XP\_031892836.1 CGLO|KAF3809109.1 CHIG|XP\_018155930.1 CVIN|KAF4922095.1 CVYL|A01295 FGRM|XP\_011318892.1 MGRA|XP\_003847627.1 MGRA|XP\_003853776.1 MGRA|XP\_003857209.1 MGRA|XP\_003857427.1 MORY|QBZ57469.1 NCRA|XP\_961528.1 NCRA|XP\_962107.1 SSCL|APA13786.1 SSCL|APA16182.1

>Orthogroup1041: ANID|CBF80385.1 CFRU|XP\_031876359.1 CFRU|XP\_031881690.1 CFRU|XP\_031884109.1 CGLO|KAF3805399.1 CGLO|KAF3811007.1 CGLO|KAF3811867.1 CHIG|XP\_018153024.1 CHIG|XP\_018163742.1 CVIN|KAF4917746.1 CVIN|KAF4920584.1 CVIN|KAF4926908.1 CVYL|A06193 CVYL|A09780 CVYL|A11046 FGRM|XP\_011324192.1 MGRA|XP\_003856383.1 MLAR|XP\_007408214.1 MLAR|XP\_007414014.1

>Orthogroup1042: ANID|CBF80667.1 ANID|CBF86743.1 ANID|CBF88684.1 BCIN|XP\_001552667.1 CFRU|XP\_031881074.1 CFRU|XP\_031891118.1 CGLO|KAF3800471.1 CGLO|KAF3811771.1 CHIG|XP\_018154749.1 CHIG|XP\_018161354.1 CVIN|KAF4917607.1 CVYL|A01853 FGRM|XP\_011321712.1 FGRM|XP\_011326586.1 MGRA|XP\_003850382.1 MGRA|XP\_003853400.1 MORY|QBZ59985.1 NCRA|XP\_959834.1 SSCL|APA11488.1

>Orthogroup1043: ANID|CBF80712.1 CFRU|XP\_031885743.1 CFRU|XP\_031892802.1 CGLO|KAF3797249.1 CGLO|KAF3810040.1 CHIG|XP\_018151734.1 CHIG|XP\_018153117.1 CHIG|XP\_018156545.1 CHIG|XP\_018157244.1 CHIG|XP\_018157759.1 CVIN|KAF4917939.1 CVIN|KAF4920700.1 CVYL|A00321 CVYL|A02636 CVYL|A10444 MORY|QBZ57778.1 MORY|QBZ61241.1 MORY|QBZ66581.1 NCRA|XP\_011395036.1

>Orthogroup1044: ANID|CBF80960.1 BCIN|XP\_024546187.1 BGRA|VDB90803.1 CFRU|XP\_031880726.1 CFRU|XP\_031888303.1 CGLO|KAF3803529.1 CGLO|KAF3811156.1 CHIG|XP\_018160344.1 CHIG|XP\_018164062.1 CVIN|KAF4922276.1 CVIN|KAF4931275.1 CVYL|A04315 CVYL|A14460 FGRM|XP\_011324730.1 FGRM|XP\_011326763.1 MORY|QBZ58014.1 MORY|QBZ62810.1 NCRA|XP\_958881.1 SSCL|APA07043.1

>Orthogroup1045: ANID|CBF81054.1 BCIN|XP\_001560444.1 CFRU|XP\_031881691.1 CFRU|XP\_031889356.1 CFRU|XP\_031889544.1 CGLO|KAF3803132.1 CGLO|KAF3805400.1 CHIG|XP\_018156713.1 CHIG|XP\_018159145.1 CVIN|KAF4917763.1 CVIN|KAF4924670.1 CVIN|KAF4928315.1 CVYL|A11047 CVYL|A14077 FGRM|XP\_011317185.1 MGRA|XP\_003857447.1 MORY|QBZ56381.1 NCRA|XP\_965674.2 SSCL|APA08748.1

>Orthogroup1046: ANID|CBF81159.1 ANID|CBF82244.1 ANID|CBF87224.1 BCIN|XP\_024550182.1 BCIN|XP\_024553802.1 BGRA|VDB88704.1 CFRU|XP\_031880142.1 CFRU|XP\_031880571.1 CGLO|KAF3797741.1 CHIG|XP\_018152507.1 CVIN|KAF4917550.1 CVYL|A11412 FGRM|XP\_011319653.1 MGRA|XP\_003850181.1 MORY|QBZ65840.1 MORY|QBZ66646.1 NCRA|XP\_965527.2 SSCL|APA05392.1 SSCL|APA15326.1

>Orthogroup1047: ANID|CBF81446.1 BCIN|XP\_024546528.1 BCIN|XP\_024552530.1 CFRU|XP\_031875637.1 CFRU|XP\_031881954.1 CFRU|XP\_031888693.1 CGLO|KAF3799170.1 CGLO|KAF3806007.1 CVIN|KAF4914908.1 CVIN|KAF4923171.1 CVIN|KAF4925733.1 CVYL|A03066 CVYL|A07505 FGRM|XP\_011322811.1 FGRM|XP\_011328395.1 MORY|QBZ59899.1 MORY|QBZ65336.1 NCRA|XP\_011394167.1 SSCL|APA08618.1

>Orthogroup1048: ANID|CBF81643.1 BCIN|XP\_001549031.2 BGRA|VDB89579.1 CFRU|XP\_031875946.1 CFRU|XP\_031883323.1 CGLO|KAF3800608.1 CHIG|XP\_018152266.1 CHIG|XP\_018163610.1 CVIN|KAF4907623.1 CVIN|KAF4918194.1 CVYL|A09844 CVYL|A13110 FGRM|XP\_011321306.1 MGRA|XP\_003854090.1 MLAR|XP\_007404678.1 MORY|QBZ61086.1 NCRA|XP\_958686.2 NCRA|XP\_963248.3 SSCL|APA09841.1

>Orthogroup1049: ANID|CBF81726.1 BCIN|XP\_001558400.2 BCIN|XP\_024551853.1 BGRA|VDB95076.1 CFRU|XP\_031892388.1 CGLO|KAF3812280.1 CHIG|XP\_018153505.1 CHIG|XP\_018153506.1 CVIN|KAF4919888.1 CVIN|KAF4919889.1 CVYL|A00103 FGRM|XP\_011316092.1 FGRM|XP\_011316093.1 MGRA|XP\_003856853.1 MORY|QBZ62944.1 MORY|QBZ62945.1 NCRA|XP\_958911.2 NCRA|XP\_958912.1 SSCL|APA06293.1

>Orthogroup1050: ANID|CBF81736.1 ANID|CBF88651.1 BCIN|XP\_001551015.2 BCIN|XP\_024551389.1 BGRA|VCU39539.1 CFRU|XP\_031877623.1 CGLO|KAF3801102.1 CHIG|XP\_018153753.1 CVIN|KAF4909547.1 CVYL|A11293 FGRM|XP\_011327808.1 MGRA|XP\_003851832.1 MGRA|XP\_003855241.1 MLAR|XP\_007404529.1 MLAR|XP\_007411043.1 MORY|QBZ60579.1 NCRA|XP\_959470.2 SSCL|APA10619.1 SSCL|APA14293.1

>Orthogroup1051: ANID|CBF82011.1 BCIN|XP\_024550514.1 CFRU|XP\_031886387.1 CFRU|XP\_031890855.1 CGLO|KAF3806267.1 CGLO|KAF3811671.1 CHIG|XP\_018162094.1 CVIN|KAF4915949.1 CVIN|KAF4917909.1 CVIN|KAF4923927.1 CVYL|A11856 CVYL|A11857 CVYL|A12694 FGRM|XP\_011322992.1 FGRM|XP\_011327424.1 MGRA|XP\_003854085.1 MORY|QBZ65049.1 NCRA|XP\_958722.2 SSCL|APA11243.1

>Orthogroup1052: ANID|CBF82027.1 ANID|CBF82455.1 BCIN|XP\_001550973.2 BGRA|VDB90796.1 CFRU|XP\_031879846.1 CFRU|XP\_031884239.1 CGLO|KAF3802977.1 CGLO|KAF3811060.1 CHIG|XP\_018153142.1 CHIG|XP\_018153636.1 CVIN|KAF4915257.1 CVIN|KAF4929906.1 CVYL|A00410 CVYL|A09735 FGRM|XP\_011316935.1 MLAR|XP\_007407784.1 MORY|QBZ63617.1 NCRA|XP\_963745.2 SSCL|APA07069.1

>Orthogroup1053: ANID|CBF82866.1 BCIN|XP\_001547284.1 BCIN|XP\_001558822.1 BGRA|VCU40548.1 CFRU|XP\_031879944.1 CGLO|KAF3799012.1 CHIG|XP\_018152912.1 CVIN|KAF4923485.1 CVYL|A07928 FGRM|XP\_011322716.1 FGRM|XP\_011327333.1 MGRA|XP\_003847675.1 MGRA|XP\_003852704.1 MLAR|XP\_007415969.1 MLAR|XP\_007416086.1 MORY|QBZ66362.1 NCRA|XP\_959421.1 SSCL|APA05975.1 SSCL|APA06983.1

>Orthogroup1054: ANID|CBF83716.1 BCIN|XP\_024546145.1 BGRA|VDB90689.1 CFRU|XP\_031888239.1 CFRU|XP\_031893402.1 CGLO|KAF3803468.1 CGLO|KAF3808397.1 CHIG|XP\_018163998.1 CVIN|KAF4916827.1 CVIN|KAF4926317.1 CVYL|A09557 CVYL|A14398 FGRM|XP\_011326485.1 MGRA|XP\_003852213.1 MLAR|XP\_007408532.1 MORY|QBZ60926.1 MORY|QBZ63489.1 NCRA|XP\_958488.1 SSCL|APA07138.1

>Orthogroup1055: ANID|CBF84083.1 BCIN|XP\_024548927.1 BCIN|XP\_024550484.1 CFRU|XP\_031876484.1 CFRU|XP\_031877699.1 CGLO|KAF3797322.1 CGLO|KAF3798008.1 CHIG|XP\_018158074.1 CVIN|KAF4915596.1 CVIN|KAF4917675.1 CVYL|A08346 CVYL|A10372 FGRM|XP\_011318172.1 FGRM|XP\_011320241.1 MGRA|XP\_003853822.1 MGRA|XP\_003854298.1 MGRA|XP\_003856121.1 MORY|QBZ61625.1 SSCL|APA09596.1

>Orthogroup1056: ANID|CBF84155.1 BCIN|XP\_024546025.1 CFRU|XP\_031878990.1 CFRU|XP\_031886634.1 CFRU|XP\_031887241.1 CGLO|KAF3801217.1 CGLO|KAF3807849.1 CHIG|XP\_018163038.1 CVIN|KAF4922608.1 CVIN|KAF4932109.1 CVYL|A00762 FGRM|XP\_011323524.1 FGRM|XP\_011325205.1 MGRA|XP\_003852449.1 MORY|QBZ56768.1 MORY|QBZ66562.1 NCRA|XP\_959266.1 NCRA|XP\_959267.1 SSCL|APA07304.1

>Orthogroup1057: ANID|CBF84302.1 ANID|CBF90346.1 BCIN|XP\_001561041.1 CFRU|XP\_031880967.1 CFRU|XP\_031887617.1 CGLO|KAF3803247.1 CGLO|KAF3809823.1 CHIG|XP\_018151664.1 CHIG|XP\_018159909.1 CHIG|XP\_018161100.1 CVIN|KAF4925847.1 CVIN|KAF4928713.1 CVYL|A03679 FGRM|XP\_011315675.1 FGRM|XP\_011322279.1 FGRM|XP\_011323073.1 MGRA|XP\_003851531.1 MGRA|XP\_003854792.1 NCRA|XP\_960316.2

>Orthogroup1058: ANID|CBF84721.1 CFRU|XP\_031883866.1 CFRU|XP\_031892419.1 CFRU|XP\_031893606.1 CGLO|KAF3800870.1 CGLO|KAF3805176.1 CGLO|KAF3807215.1 CHIG|XP\_018150827.1 CHIG|XP\_018151503.1 CHIG|XP\_018157021.1 CVIN|KAF4915565.1 CVIN|KAF4928160.1 CVYL|A10698 CVYL|A11108 FGRM|XP\_011322342.1 FGRM|XP\_011327330.1 MORY|QBZ64123.1 MORY|QBZ66533.1 NCRA|XP\_962601.3

>Orthogroup1059: ANID|CBF84747.1 BCIN|XP\_001545772.1 BGRA|VDB93897.1 CFRU|XP\_031888437.1 CFRU|XP\_031888438.1 CGLO|KAF3803462.1 CHIG|XP\_018163990.1 CHIG|XP\_018163991.1 CHIG|XP\_018163992.1 CVIN|KAF4926355.1 CVIN|KAF4926356.1 CVYL|A14391 CVYL|A14392 FGRM|XP\_011316075.1 MGRA|XP\_003856328.1 MGRA|XP\_003856332.1 MORY|QBZ54713.1 NCRA|XP\_965262.1 SSCL|APA13414.1

>Orthogroup1060: ANID|CBF84945.1 ANID|CBF87122.1 BCIN|XP\_024546136.1 BCIN|XP\_024549671.1 BGRA|VDB90702.1 CFRU|XP\_031882785.1 CGLO|KAF3803404.1 CHIG|XP\_018163927.1 CVIN|KAF4918433.1 CVYL|A14334 FGRM|XP\_011316858.1 MGRA|XP\_003852262.1 MGRA|XP\_003854733.1 MLAR|XP\_007412467.1 MORY|QBZ59921.1 MORY|QBZ62750.1 NCRA|XP\_011393140.1 SSCL|APA05481.1 SSCL|APA07145.1

>Orthogroup1061: ANID|CBF85405.1 BCIN|XP\_024546736.1 BGRA|VDB91331.1 CFRU|XP\_031883807.1 CFRU|XP\_031886798.1 CGLO|KAF3804984.1 CHIG|XP\_018158747.1 CHIG|XP\_018163533.1 CVIN|KAF4907608.1 CVIN|KAF4927128.1 CVYL|A05010 CVYL|A06566 FGRM|XP\_011328344.1 MGRA|XP\_003852125.1 MLAR|XP\_007405250.1 MORY|QBZ57724.1 NCRA|XP\_001728373.1 NCRA|XP\_958152.2 SSCL|APA06821.1

>Orthogroup1062: ANID|CBF85938.1 BCIN|XP\_001551577.1 BCIN|XP\_001552866.1 CFRU|XP\_031892757.1 CFRU|XP\_031893193.1 CGLO|KAF3797199.1 CGLO|KAF3804023.1 CHIG|XP\_018150919.1 CHIG|XP\_018157318.1 CVIN|KAF4920827.1 CVIN|KAF4925174.1 CVYL|A08780 CVYL|A10499 FGRM|XP\_011319928.1 FGRM|XP\_011320601.1 FGRM|XP\_011326047.1 MORY|QBZ66140.1 NCRA|XP\_964569.1 SSCL|APA11807.1

>Orthogroup1063: ANID|CBF86194.1 BCIN|XP\_001545604.2 BCIN|XP\_024549290.1 BCIN|XP\_024552531.1 CFRU|XP\_031885220.1 CFRU|XP\_031888897.1 CGLO|KAF3807694.1 CHIG|XP\_018162920.1 CVIN|KAF4927788.1 CVYL|A06889 FGRM|XP\_011322812.1 FGRM|XP\_011322993.1 FGRM|XP\_011324385.1 MORY|QBZ59900.1 NCRA|XP\_011393799.1 NCRA|XP\_958067.2 NCRA|XP\_962590.2 SSCL|APA07333.1 SSCL|APA08912.1

>Orthogroup1064: ANID|CBF86467.1 BCIN|XP\_001557262.1 BGRA|VDB92998.1 CFRU|XP\_031883744.1 CGLO|KAF3810811.1 CHIG|XP\_018155038.1 CVIN|KAF4899848.1 CVYL|A02015 FGRM|XP\_011323317.1 FGRM|XP\_011326191.1 MLAR|XP\_007413319.1 MLAR|XP\_007415914.1 MLAR|XP\_007415917.1 MLAR|XP\_007415918.1 MLAR|XP\_007415920.1 MLAR|XP\_007419472.1 MORY|QBZ55066.1 NCRA|XP\_960767.3 SSCL|APA12723.1

>Orthogroup1065: ANID|CBF86933.1 BCIN|XP\_001547468.1 CFRU|XP\_031880484.1 CFRU|XP\_031881886.1 CGLO|KAF3800647.1 CGLO|KAF3811578.1 CHIG|XP\_018152021.1 CHIG|XP\_018160844.1 CVIN|KAF4914887.1 CVIN|KAF4922055.1 CVYL|A03429 CVYL|A13069 FGRM|XP\_011327937.1 MGRA|XP\_003854243.1 MGRA|XP\_003854317.1 MGRA|XP\_003854359.1 MORY|QBZ56612.1 NCRA|XP\_962409.1 SSCL|APA07338.1

>Orthogroup1066: ANID|CBF87043.1 CFRU|XP\_031879241.1 CFRU|XP\_031885997.1 CFRU|XP\_031890735.1 CGLO|KAF3807035.1 CGLO|KAF3812014.1 CHIG|XP\_018151958.1 CHIG|XP\_018159710.1 CVIN|KAF4921103.1 CVIN|KAF4930367.1 CVYL|A05495 CVYL|A06329 CVYL|A12597 FGRM|XP\_011322734.1 MGRA|XP\_003851856.1 MORY|QBZ54155.1 MORY|QBZ54500.1 MORY|QBZ57894.1 NCRA|XP\_959080.1

>Orthogroup1067: ANID|CBF87104.1 BCIN|XP\_001549203.1 CFRU|XP\_031879198.1 CFRU|XP\_031884897.1 CGLO|KAF3807083.1 CGLO|KAF3812127.1 CHIG|XP\_018153355.1 CHIG|XP\_018159731.1 CVIN|KAF4909998.1 CVIN|KAF4919041.1 CVYL|A00271 CVYL|A06377 FGRM|XP\_011321934.1 FGRM|XP\_011323057.1 MGRA|XP\_003851894.1 MORY|QBZ57960.1 MORY|QBZ64042.1 NCRA|XP\_959877.2 SSCL|APA09235.1

>Orthogroup1068: ANID|CBF87285.1 BCIN|XP\_001548470.1 BCIN|XP\_024546358.1 CFRU|XP\_031884840.1 CFRU|XP\_031885007.1 CFRU|XP\_031887535.1 CGLO|KAF3800322.1 CGLO|KAF3803284.1 CGLO|KAF3812214.1 CHIG|XP\_018162947.1 CVIN|KAF4920967.1 CVIN|KAF4927812.1 CVIN|KAF4928689.1 CVYL|A00170 CVYL|A03720 CVYL|A06907 FGRM|XP\_011322784.1 MORY|QBZ53384.1 SSCL|APA13817.1

>Orthogroup1069: ANID|CBF87528.1 BCIN|XP\_024546396.1 CFRU|XP\_031876034.1 CFRU|XP\_031888964.1 CGLO|KAF3799183.1 CGLO|KAF3805236.1 CHIG|XP\_018159791.1 CVIN|KAF4914919.1 CVIN|KAF4918671.1 CVYL|A10079 CVYL|A13884 FGRM|XP\_011322330.1 FGRM|XP\_011322406.1 FGRM|XP\_011327347.1 MGRA|XP\_003848340.1 MORY|QBZ55302.1 MORY|QBZ62671.1 NCRA|XP\_963185.2 SSCL|APA07214.1

>Orthogroup1070: ANID|CBF87794.1 BCIN|XP\_024551707.1 BGRA|VDB89488.1 CFRU|XP\_031878220.1 CFRU|XP\_031884793.1 CGLO|KAF3808503.1 CHIG|XP\_018151539.1 CHIG|XP\_018153242.1 CVIN|KAF4913273.1 CVIN|KAF4917712.1 CVYL|A05917 CVYL|A11634 FGRM|XP\_011318730.1 FGRM|XP\_011325747.1 MGRA|XP\_003857091.1 MLAR|XP\_007403597.1 MORY|QBZ55287.1 NCRA|XP\_964666.2 SSCL|APA14544.1

>Orthogroup1071: ANID|CBF87918.1 BCIN|XP\_024551685.1 CFRU|XP\_031878808.1 CFRU|XP\_031879831.1 CGLO|KAF3797488.1 CGLO|KAF3803003.1 CHIG|XP\_018153605.1 CVIN|KAF4921653.1 CVIN|KAF4929949.1 CVYL|A00015 CVYL|A01935 FGRM|XP\_011326797.1 MGRA|XP\_003857072.1 MLAR|XP\_007406167.1 MLAR|XP\_007406168.1 MLAR|XP\_007412934.1 MORY|QBZ63172.1 NCRA|XP\_963790.3 SSCL|APA06015.1

>Orthogroup1072: ANID|CBF88573.1 BCIN|XP\_024548909.1 CFRU|XP\_031882585.1 CFRU|XP\_031884213.1 CFRU|XP\_031891812.1 CGLO|KAF3803909.1 CGLO|KAF3811019.1 CHIG|XP\_018151033.1 CHIG|XP\_018153017.1 CVIN|KAF4925469.1 CVIN|KAF4926938.1 CVYL|A08892 CVYL|A09769 FGRM|XP\_011315756.1 MGRA|XP\_003857588.1 MLAR|XP\_007409541.1 MORY|QBZ55816.1 NCRA|XP\_958987.1 SSCL|APA09568.1

>Orthogroup1073: ANID|CBF88736.1 BCIN|XP\_024551308.1 CFRU|XP\_031876019.1 CFRU|XP\_031889096.1 CGLO|KAF3800769.1 CGLO|KAF3808896.1 CGLO|KAF3810684.1 CHIG|XP\_018162445.1 CVIN|KAF4914516.1 CVIN|KAF4916965.1 CVYL|A00435 CVYL|A01187 CVYL|A07273 FGRM|XP\_011327015.1 FGRM|XP\_011327112.1 MGRA|XP\_003852946.1 MORY|QBZ55668.1 NCRA|XP\_011393758.1 SSCL|APA10575.1

>Orthogroup1074: ANID|CBF89516.1 BCIN|XP\_024548629.1 BGRA|VDB86346.1 CFRU|XP\_031888949.1 CFRU|XP\_031890574.1 CGLO|KAF3804164.1 CGLO|KAF3806725.1 CHIG|XP\_018158701.1 CHIG|XP\_018159997.1 CVIN|KAF4918395.1 CVIN|KAF4919497.1 CVYL|A03836 CVYL|A14035 FGRM|XP\_011317332.1 MGRA|XP\_003853876.1 MORY|QBZ56197.1 MORY|QBZ60455.1 NCRA|XP\_963931.1 SSCL|APA09858.1

>Orthogroup1075: ANID|CBF90271.1 BCIN|XP\_001548719.1 BGRA|VDB94917.1 CFRU|XP\_031881227.1 CFRU|XP\_031888797.1 CGLO|KAF3799381.1 CGLO|KAF3810993.1 CHIG|XP\_018154863.1 CHIG|XP\_018159952.1 CVIN|KAF4906800.1 CVIN|KAF4921825.1 CVYL|A02161 CVYL|A03419 FGRM|XP\_011321460.1 MGRA|XP\_003855074.1 MORY|QBZ63011.1 MORY|QBZ65844.1 NCRA|XP\_956230.1 SSCL|APA10847.1

>Orthogroup1076: BCIN|XP\_001555610.1 BGRA|VDB90960.1 BGRA|VDB91006.1 CFRU|XP\_031880045.1 CFRU|XP\_031889690.1 CGLO|KAF3797749.1 CGLO|KAF3810599.1 CHIG|XP\_018151694.1 CHIG|XP\_018159007.1 CVIN|KAF4893864.1 CVIN|KAF4924911.1 CVYL|A11404 CVYL|A13681 FGRM|XP\_011328355.1 MORY|QBZ55227.1 MORY|QBZ60526.1 MORY|QBZ65746.1 NCRA|XP\_959427.1 SSCL|APA07323.1

>Orthogroup1077: BCIN|XP\_001556105.2 BCIN|XP\_024546920.1 CFRU|XP\_031880841.1 CFRU|XP\_031881761.1 CFRU|XP\_031886114.1 CGLO|KAF3797852.1 CGLO|KAF3805490.1 CGLO|KAF3806966.1 CHIG|XP\_018155349.1 CVIN|KAF4908859.1 CVIN|KAF4913924.1 CVYL|A06258 CVYL|A11524 FGRM|XP\_011327463.1 MORY|QBZ54637.1 MORY|QBZ56740.1 MORY|QBZ64429.1 SSCL|APA05820.1 SSCL|APA10087.1

>Orthogroup1078: BCIN|XP\_001558805.1 BGRA|VDB93857.1 CFRU|XP\_031884987.1 CFRU|XP\_031885553.1 CFRU|XP\_031891603.1 CGLO|KAF3797410.1 CGLO|KAF3799420.1 CHIG|XP\_018152292.1 CHIG|XP\_018157369.1 CVIN|KAF4929405.1 CVIN|KAF4931843.1 CVYL|A10267 CVYL|A13284 FGRM|XP\_011318023.1 FGRM|XP\_011323664.1 MGRA|XP\_003855570.1 MORY|QBZ53480.1 NCRA|XP\_955834.1 SSCL|APA05964.1

>Orthogroup1079: BCIN|XP\_001553750.2 BCIN|XP\_001560308.1 CFRU|XP\_031882281.1 CFRU|XP\_031890660.1 CGLO|KAF3804465.1 CGLO|KAF3804932.1 CHIG|XP\_018160301.1 CHIG|XP\_018164434.1 CVIN|KAF4919430.1 CVIN|KAF4930937.1 CVYL|A04179 CVYL|A12121 FGRM|XP\_011320595.1 FGRM|XP\_011324186.1 MGRA|XP\_003849520.1 MORY|QBZ55398.1 NCRA|XP\_964642.2 SSCL|APA06130.1 SSCL|APA08827.1

>Orthogroup1080: BCIN|XP\_001556268.2 BCIN|XP\_001560211.1 BCIN|XP\_001560856.1 BCIN|XP\_024549202.1 BGRA|VCU39553.1 CFRU|XP\_031890140.1 CFRU|XP\_031890267.1 CGLO|KAF3802804.1 CGLO|KAF3810419.1 CGLO|KAF3810420.1 CGLO|KAF3810421.1 CHIG|XP\_018161134.1 CVIN|KAF4908253.1 CVYL|A11376 FGRM|XP\_011324562.1 FGRM|XP\_011324573.1 NCRA|XP\_963057.1 SSCL|APA08073.1 SSCL|APA15917.1

>Orthogroup1081: BCIN|XP\_001549200.1 BCIN|XP\_001555409.1 CFRU|XP\_031882861.1 CFRU|XP\_031885643.1 CGLO|KAF3806658.1 CGLO|KAF3810032.1 CHIG|XP\_018151704.1 CHIG|XP\_018157742.1 CHIG|XP\_018164206.1 CVIN|KAF4917950.1 CVIN|KAF4923685.1 CVYL|A02623 CVYL|A14204 FGRM|XP\_011328393.1 MORY|QBZ62192.1 MORY|QBZ62542.1 NCRA|XP\_960032.1 SSCL|APA08151.1 SSCL|APA09238.1

>Orthogroup1082: BCIN|XP\_024548773.1 CFRU|XP\_031887983.1 CFRU|XP\_031891389.1 CGLO|KAF3802203.1 CGLO|KAF3804592.1 CHIG|XP\_018154318.1 CHIG|XP\_018161675.1 CVIN|KAF4922759.1 CVIN|KAF4923055.1 CVYL|A03194 CVYL|A05286 FGRM|XP\_011321685.1 MORY|QBZ53316.1 MORY|QBZ53718.1 MORY|QBZ61919.1 MORY|QBZ64173.1 MORY|QBZ65888.1 NCRA|XP\_958247.2 NCRA|XP\_960328.1

>Orthogroup1083: BCIN|XP\_001545591.1 BCIN|XP\_001553447.1 BGRA|VDB86016.1 CFRU|XP\_031884006.1 CFRU|XP\_031892653.1 CGLO|KAF3797163.1 CGLO|KAF3805175.1 CHIG|XP\_018157116.1 CVIN|KAF4918843.1 CVIN|KAF4927467.1 CVYL|A06576 CVYL|A10534 FGRM|XP\_011315884.1 FGRM|XP\_011323919.1 MGRA|XP\_003848977.1 MORY|QBZ65557.1 NCRA|XP\_957002.1 SSCL|APA10211.1 SSCL|APA10901.1

>Orthogroup1084: BCIN|XP\_024550651.1 CFRU|XP\_031876435.1 CFRU|XP\_031879690.1 CFRU|XP\_031891507.1 CGLO|KAF3798190.1 CGLO|KAF3801936.1 CGLO|KAF3804649.1 CHIG|XP\_018159399.1 CHIG|XP\_018161719.1 CVIN|KAF4913888.1 CVIN|KAF4918720.1 CVIN|KAF4919125.1 CVYL|A02372 CVYL|A04933 CVYL|A05236 FGRM|XP\_011318167.1 MORY|QBZ55033.1 MORY|QBZ61726.1 SSCL|APA11476.1

>Orthogroup1085: BCIN|XP\_024550830.1 BGRA|VDB88973.1 CFRU|XP\_031884686.1 CFRU|XP\_031888670.1 CGLO|KAF3799308.1 CHIG|XP\_018154049.1 CHIG|XP\_018158321.1 CHIG|XP\_018159908.1 CVIN|KAF4895370.1 CVIN|KAF4924797.1 CVYL|A04064 CVYL|A05837 FGRM|XP\_011317891.1 FGRM|XP\_011322649.1 MORY|QBZ58697.1 MORY|QBZ61799.1 MORY|QBZ65166.1 NCRA|XP\_960639.1 SSCL|APA11749.1

>Orthogroup1086: BCIN|XP\_024551616.1 CFRU|XP\_031880788.1 CFRU|XP\_031882032.1 CFRU|XP\_031882351.1 CGLO|KAF3806950.1 CGLO|KAF3807536.1 CHIG|XP\_018156401.1 CHIG|XP\_018159647.1 CVIN|KAF4919148.1 CVIN|KAF4928879.1 CVYL|A02947 CVYL|A06239 FGRM|XP\_011318573.1 FGRM|XP\_011322201.1 FGRM|XP\_011327733.1 MGRA|XP\_003849280.1 MORY|QBZ58628.1 MORY|QBZ65846.1 SSCL|APA06247.1

>Orthogroup1087: BCIN|XP\_001557976.1 CFRU|XP\_031877158.1 CFRU|XP\_031889832.1 CGLO|KAF3804014.1 CGLO|KAF3810562.1 CHIG|XP\_018150604.1 CHIG|XP\_018150725.1 CHIG|XP\_018159034.1 CHIG|XP\_018165098.1 CVIN|KAF4892081.1 CVIN|KAF4925138.1 CVYL|A08790 CVYL|A13640 FGRM|XP\_011316197.1 FGRM|XP\_011322373.1 FGRM|XP\_011328631.1 MORY|QBZ65825.1 SSCL|APA11919.1 SSCL|APA11920.1

>Orthogroup1088: BCIN|XP\_024553673.1 CFRU|XP\_031886739.1 CFRU|XP\_031892181.1 CGLO|KAF3801312.1 CGLO|KAF3801945.1 CGLO|KAF3806769.1 CHIG|XP\_018158780.1 CHIG|XP\_018164818.1 CVIN|KAF4905659.1 CVIN|KAF4921572.1 CVYL|A04982 CVYL|A07773 FGRM|XP\_011316378.1 FGRM|XP\_011318346.1 MORY|QBZ55153.1 NCRA|XP\_959097.2 NCRA|XP\_959854.2 NCRA|XP\_964980.1 SSCL|APA15052.1

>Orthogroup1089: CFRU|XP\_031880044.1 CFRU|XP\_031888804.1 CGLO|KAF3797747.1 CGLO|KAF3799268.1 CHIG|XP\_018151708.1 CHIG|XP\_018161836.1 CHIG|XP\_018161837.1 CVIN|KAF4891981.1 CVIN|KAF4924918.1 CVIN|KAF4924919.1 CVYL|A10159 CVYL|A11406 FGRM|XP\_011321597.1 FGRM|XP\_011322131.1 FGRM|XP\_011322863.1 FGRM|XP\_011328649.1 MGRA|XP\_003848576.1 MGRA|XP\_003852353.1 MORY|QBZ62767.1

>Orthogroup1090: CFRU|XP\_031879543.1 CFRU|XP\_031879966.1 CFRU|XP\_031888158.1 CFRU|XP\_031888490.1 CGLO|KAF3798968.1 CGLO|KAF3802015.1 CGLO|KAF3802735.1 CGLO|KAF3803716.1 CHIG|XP\_018156948.1 CHIG|XP\_018163735.1 CVIN|KAF4910781.1 CVIN|KAF4914264.1 CVIN|KAF4923477.1 CVIN|KAF4928584.1 CVYL|A03373 CVYL|A07884 CVYL|A07885 CVYL|A08057 CVYL|A14651

>Orthogroup1091: CFRU|XP\_031879048.1 CFRU|XP\_031884396.1 CGLO|KAF3799088.1 CVYL|A00831 CVYL|A02592 CVYL|A04025 CVYL|A04035 CVYL|A06168 CVYL|A07264 CVYL|A07574 CVYL|A07576 CVYL|A07722 CVYL|A09100 CVYL|A09850 CVYL|A11234 CVYL|A11442 CVYL|A11975 CVYL|A11976 CVYL|A14096

>Orthogroup1092: CFRU|XP\_031883332.1 CFRU|XP\_031884227.1 CFRU|XP\_031884228.1 CFRU|XP\_031890055.1 CGLO|KAF3799931.1 CGLO|KAF3808330.1 CVYL|A09211 FGRM|XP\_011320554.1 FGRM|XP\_011320952.1 MORY|QBZ55038.1 MORY|QBZ55188.1 MORY|QBZ55795.1 MORY|QBZ56763.1 MORY|QBZ59866.1 MORY|QBZ60271.1 MORY|QBZ61710.1 MORY|QBZ61836.1 NCRA|XP\_011393958.1 NCRA|XP\_957393.3

>Orthogroup1093: CHIG|XP\_018154205.1 MORY|QBZ53698.1 MORY|QBZ55006.1 MORY|QBZ55170.1 MORY|QBZ57891.1 MORY|QBZ59475.1 MORY|QBZ59848.1 MORY|QBZ60026.1 MORY|QBZ60056.1 MORY|QBZ60057.1 MORY|QBZ60086.1 MORY|QBZ60120.1 MORY|QBZ62930.1 MORY|QBZ63447.1 MORY|QBZ64404.1 MORY|QBZ65291.1 MORY|QBZ65371.1 MORY|QBZ66226.1 MORY|QBZ66322.1

>Orthogroup1094: MLAR|XP\_007404129.1 MLAR|XP\_007404215.1 MLAR|XP\_007408661.1 MLAR|XP\_007408860.1 MLAR|XP\_007408862.1 MLAR|XP\_007408992.1 MLAR|XP\_007408993.1 MLAR|XP\_007410583.1 MLAR|XP\_007412254.1 MLAR|XP\_007412281.1 MLAR|XP\_007412282.1 MLAR|XP\_007415112.1 MLAR|XP\_007416166.1 MLAR|XP\_007416167.1 MLAR|XP\_007416213.1 MLAR|XP\_007416214.1 MLAR|XP\_007416222.1 MLAR|XP\_007416237.1 MLAR|XP\_007416916.1

>Orthogroup1095: MLAR|XP\_007403584.1 MLAR|XP\_007403948.1 MLAR|XP\_007405163.1 MLAR|XP\_007405524.1 MLAR|XP\_007405536.1 MLAR|XP\_007406375.1 MLAR|XP\_007406848.1 MLAR|XP\_007409576.1 MLAR|XP\_007410118.1 MLAR|XP\_007412861.1 MLAR|XP\_007412864.1 MLAR|XP\_007413291.1 MLAR|XP\_007414034.1 MLAR|XP\_007415435.1 MLAR|XP\_007416031.1 MLAR|XP\_007418419.1 MLAR|XP\_007418685.1 MLAR|XP\_007419131.1 MLAR|XP\_007419585.1

>Orthogroup1096: MLAR|XP\_007403909.1 MLAR|XP\_007404378.1 MLAR|XP\_007404992.1 MLAR|XP\_007406405.1 MLAR|XP\_007407289.1 MLAR|XP\_007407290.1 MLAR|XP\_007410764.1 MLAR|XP\_007412272.1 MLAR|XP\_007413369.1 MLAR|XP\_007413505.1 MLAR|XP\_007413826.1 MLAR|XP\_007414937.1 MLAR|XP\_007415295.1 MLAR|XP\_007415296.1 MLAR|XP\_007416366.1 MLAR|XP\_007418853.1 MLAR|XP\_007418862.1 MLAR|XP\_007419694.1 MLAR|XP\_007419695.1

>Orthogroup1097: MLAR|XP\_007405138.1 MLAR|XP\_007405800.1 MLAR|XP\_007407436.1 MLAR|XP\_007408104.1 MLAR|XP\_007408143.1 MLAR|XP\_007408181.1 MLAR|XP\_007408740.1 MLAR|XP\_007409211.1 MLAR|XP\_007409429.1 MLAR|XP\_007409883.1 MLAR|XP\_007410691.1 MLAR|XP\_007412573.1 MLAR|XP\_007414138.1 MLAR|XP\_007414473.1 MLAR|XP\_007415250.1 MLAR|XP\_007417321.1 MLAR|XP\_007417560.1 MLAR|XP\_007418626.1 MLAR|XP\_007418631.1

>Orthogroup1098: ANID|CBF69394.1 BCIN|XP\_024546744.1 BGRA|VDB94023.1 CFRU|XP\_031887478.1 CFRU|XP\_031888686.1 CGLO|KAF3799284.1 CGLO|KAF3803199.1 CHIG|XP\_018161037.1 CVIN|KAF4920216.1 CVIN|KAF4924785.1 CVYL|A03630 CVYL|A04230 FGRM|XP\_011327940.1 MGRA|XP\_003851137.1 MORY|QBZ56212.1 NCRA|XP\_957210.2 NCRA|XP\_961761.1 SSCL|APA06403.1

>Orthogroup1099: ANID|CBF69425.1 ANID|CBF71154.1 BCIN|XP\_024552051.1 CFRU|XP\_031878280.1 CFRU|XP\_031881997.1 CGLO|KAF3798068.1 CGLO|KAF3806042.1 CHIG|XP\_018158161.1 CVIN|KAF4928006.1 CVYL|A08289 FGRM|XP\_011317997.1 FGRM|XP\_011317999.1 FGRM|XP\_011318214.1 FGRM|XP\_011321821.1 MLAR|XP\_007415778.1 MORY|QBZ57829.1 NCRA|XP\_958824.1 SSCL|APA12810.1

>Orthogroup1100: ANID|CBF69429.1 ANID|CBF76181.1 ANID|CBF76650.1 ANID|CBF83741.1 BCIN|XP\_001545788.1 BCIN|XP\_001548694.1 CFRU|XP\_031885092.1 CGLO|KAF3807720.1 CHIG|XP\_018153611.1 CVIN|KAF4918885.1 CVYL|A07031 MGRA|XP\_003849791.1 MGRA|XP\_003850742.1 MGRA|XP\_003851128.1 MORY|QBZ63647.1 NCRA|XP\_956636.1 SSCL|APA13424.1 SSCL|APA15614.1

>Orthogroup1101: ANID|CBF69536.1 ANID|CBF70282.1 BCIN|XP\_024549019.1 CFRU|XP\_031878620.1 CFRU|XP\_031884922.1 CGLO|KAF3798495.1 CGLO|KAF3800985.1 CGLO|KAF3804076.1 CHIG|XP\_018153238.1 CHIG|XP\_018154529.1 CHIG|XP\_018161096.1 CVIN|KAF4913266.1 CVIN|KAF4917484.1 CVYL|A05921 CVYL|A11168 FGRM|XP\_011318726.1 MGRA|XP\_003848540.1 SSCL|APA09299.1

>Orthogroup1102: ANID|CBF69546.1 BCIN|XP\_001548749.1 BGRA|VDB84372.1 CFRU|XP\_031891520.1 CGLO|KAF3797427.1 CHIG|XP\_018157388.1 CVIN|KAF4929418.1 CVYL|A10248 FGRM|XP\_011319992.1 MGRA|XP\_003853604.1 MLAR|XP\_007411701.1 MLAR|XP\_007411702.1 MLAR|XP\_007411703.1 MLAR|XP\_007411704.1 MLAR|XP\_007411757.1 MORY|QBZ66074.1 NCRA|XP\_965236.2 SSCL|APA10828.1

>Orthogroup1103: ANID|CBF69582.1 BCIN|XP\_001550330.1 BCIN|XP\_024552155.1 BGRA|VCU41246.1 CFRU|XP\_031877494.1 CGLO|KAF3798433.1 CHIG|XP\_018161251.1 CHIG|XP\_018162858.1 CVIN|KAF4920001.1 CVYL|A11204 FGRM|XP\_011321439.1 MGRA|XP\_003847867.1 MGRA|XP\_003849486.1 MLAR|XP\_007415507.1 MORY|QBZ56747.1 NCRA|XP\_962015.1 SSCL|APA10005.1 SSCL|APA13154.1

>Orthogroup1104: ANID|CBF69881.1 ANID|CBF71470.1 ANID|CBF76416.1 BCIN|XP\_001550119.1 BCIN|XP\_024551742.1 CFRU|XP\_031877196.1 CGLO|KAF3806426.1 CHIG|XP\_018160215.1 CHIG|XP\_018162311.1 CVIN|KAF4918041.1 CVYL|A12020 FGRM|XP\_011324124.1 MGRA|XP\_003851126.1 MLAR|XP\_007412329.1 MORY|QBZ55738.1 NCRA|XP\_957835.1 SSCL|APA11376.1 SSCL|APA14603.1

>Orthogroup1105: ANID|CBF69917.1 BCIN|XP\_024549652.1 BCIN|XP\_024551108.1 BGRA|VCU40088.1 CFRU|XP\_031880578.1 CFRU|XP\_031893166.1 CGLO|KAF3800390.1 CGLO|KAF3811560.1 CHIG|XP\_018151560.1 CHIG|XP\_018160821.1 CVIN|KAF4926725.1 CVYL|A04771 FGRM|XP\_011324790.1 MGRA|XP\_003849229.1 MLAR|XP\_007410951.1 MORY|QBZ57253.1 NCRA|XP\_962010.1 SSCL|APA06188.1

>Orthogroup1106: ANID|CBF70008.1 BCIN|XP\_024553449.1 BGRA|VCU39374.1 CFRU|XP\_031875853.1 CFRU|XP\_031876585.1 CGLO|KAF3800905.1 CHIG|XP\_018150773.1 CVIN|KAF4907259.1 CVYL|A12443 FGRM|XP\_011320061.1 FGRM|XP\_011324233.1 MGRA|XP\_003852486.1 MLAR|XP\_007403617.1 MORY|QBZ54315.1 MORY|QBZ54326.1 MORY|QBZ56837.1 NCRA|XP\_957039.1 SSCL|APA13850.1

>Orthogroup1107: ANID|CBF70196.1 BCIN|XP\_024548289.1 BGRA|VDB93332.1 CFRU|XP\_031882408.1 CFRU|XP\_031890909.1 CGLO|KAF3801505.1 CGLO|KAF3809433.1 CHIG|XP\_018156285.1 CVIN|KAF4916403.1 CVIN|KAF4921377.1 CVYL|A03102 CVYL|A12627 FGRM|XP\_011319045.1 MGRA|XP\_003855964.1 MLAR|XP\_007415229.1 MORY|QBZ62548.1 NCRA|XP\_960627.3 SSCL|APA12531.1

>Orthogroup1108: ANID|CBF70232.1 BCIN|XP\_001559454.1 CFRU|XP\_031875768.1 CFRU|XP\_031879112.1 CFRU|XP\_031883516.1 CGLO|KAF3798820.1 CGLO|KAF3811895.1 CHIG|XP\_018151218.1 CHIG|XP\_018155160.1 CVIN|KAF4919567.1 CVIN|KAF4920598.1 CVYL|A06166 CVYL|A09110 CVYL|A11160 FGRM|XP\_011317379.1 FGRM|XP\_011318294.1 MGRA|XP\_003854904.1 SSCL|APA07653.1

>Orthogroup1109: ANID|CBF70528.1 BCIN|XP\_024546504.1 BGRA|VDB95051.1 CFRU|XP\_031884708.1 CFRU|XP\_031890961.1 CGLO|KAF3801019.1 CHIG|XP\_018151456.1 CHIG|XP\_018153330.1 CVIN|KAF4892769.1 CVIN|KAF4897548.1 CVYL|A05889 CVYL|A12459 FGRM|XP\_011325898.1 FGRM|XP\_011328491.1 MGRA|XP\_003856552.1 MLAR|XP\_007411061.1 MORY|QBZ62696.1 SSCL|APA06745.1

>Orthogroup1110: ANID|CBF70546.1 ANID|CBF84452.1 BCIN|XP\_024547891.1 BGRA|VDB84450.1 CFRU|XP\_031891286.1 CGLO|KAF3804713.1 CHIG|XP\_018161784.1 CVIN|KAF4923343.1 CVYL|A05409 FGRM|XP\_011321497.1 MGRA|XP\_003847344.1 MGRA|XP\_003854778.1 MLAR|XP\_007408328.1 MLAR|XP\_007408332.1 MLAR|XP\_007411271.1 MORY|QBZ59670.1 NCRA|XP\_011393948.1 SSCL|APA08213.1

>Orthogroup1111: ANID|CBF70739.1 CFRU|XP\_031888960.1 CFRU|XP\_031893059.1 CFRU|XP\_031893158.1 CGLO|KAF3799264.1 CGLO|KAF3806048.1 CGLO|KAF3808392.1 CGLO|KAF3809465.1 CHIG|XP\_018152456.1 CHIG|XP\_018162279.1 CVIN|KAF4908841.1 CVIN|KAF4916859.1 CVIN|KAF4921288.1 CVYL|A09552 CVYL|A10033 CVYL|A10155 FGRM|XP\_011315593.1 FGRM|XP\_011320364.1

>Orthogroup1112: ANID|CBF70747.1 BCIN|XP\_024552350.1 CFRU|XP\_031877028.1 CFRU|XP\_031887481.1 CGLO|KAF3803204.1 CGLO|KAF3811102.1 CHIG|XP\_018152966.1 CHIG|XP\_018161048.1 CVIN|KAF4911094.1 CVIN|KAF4920219.1 CVYL|A03634 CVYL|A07983 FGRM|XP\_011323567.1 FGRM|XP\_011325104.1 MGRA|XP\_003851702.1 MORY|QBZ66262.1 NCRA|XP\_001728007.1 SSCL|APA13236.1

>Orthogroup1113: ANID|CBF70846.1 BCIN|XP\_024547838.1 BGRA|VCU38810.1 CFRU|XP\_031877807.1 CGLO|KAF3796942.1 CHIG|XP\_018162387.1 CHIG|XP\_018162388.1 CVIN|KAF4911638.1 CVYL|A07323 FGRM|XP\_011318555.1 FGRM|XP\_011320442.1 MGRA|XP\_003849907.1 MGRA|XP\_003850978.1 MGRA|XP\_003850979.1 MLAR|XP\_007403734.1 MORY|QBZ62838.1 NCRA|XP\_957242.3 SSCL|APA08147.1

>Orthogroup1114: ANID|CBF70901.1 BCIN|XP\_001546632.1 CFRU|XP\_031883138.1 CFRU|XP\_031888635.1 CFRU|XP\_031893198.1 CGLO|KAF3800752.1 CGLO|KAF3804266.1 CHIG|XP\_018163300.1 CVIN|KAF4909062.1 CVIN|KAF4919623.1 CVIN|KAF4922483.1 CVYL|A00452 CVYL|A03948 FGRM|XP\_011322697.1 FGRM|XP\_011327279.1 MGRA|XP\_003851698.1 MORY|QBZ64225.1 SSCL|APA06347.1

>Orthogroup1115: ANID|CBF71315.1 BCIN|XP\_024547507.1 BCIN|XP\_024552303.1 BGRA|VDB89644.1 CFRU|XP\_031876417.1 CFRU|XP\_031878782.1 CGLO|KAF3798060.1 CGLO|KAF3801960.1 CGLO|KAF3802586.1 CHIG|XP\_018156189.1 CHIG|XP\_018161339.1 CVIN|KAF4917615.1 CVIN|KAF4919791.1 CVYL|A01874 FGRM|XP\_011321452.1 MGRA|XP\_003848948.1 MORY|QBZ65269.1 SSCL|APA13272.1

>Orthogroup1116: ANID|CBF71380.1 ANID|CBF80586.1 ANID|CBF82916.1 ANID|CBF87063.1 BCIN|XP\_001551403.1 CFRU|XP\_031878204.1 CFRU|XP\_031890943.1 CGLO|KAF3801572.1 CGLO|KAF3808521.1 CHIG|XP\_018151878.1 CHIG|XP\_018151989.1 CHIG|XP\_018161973.1 CVIN|KAF4917641.1 CVIN|KAF4921097.1 CVYL|A11619 CVYL|A12567 FGRM|XP\_011318297.1 FGRM|XP\_011321980.1

>Orthogroup1117: ANID|CBF71785.1 BCIN|XP\_001555171.1 BGRA|VCU40027.1 CFRU|XP\_031876822.1 CFRU|XP\_031880748.1 CGLO|KAF3797985.1 CGLO|KAF3811133.1 CHIG|XP\_018160369.1 CVIN|KAF4914929.1 CVIN|KAF4921730.1 CVIN|KAF4924550.1 CVYL|A04290 CVYL|A08369 FGRM|XP\_011326925.1 MGRA|XP\_003851306.1 MORY|QBZ57748.1 NCRA|XP\_961315.2 SSCL|APA09169.1

>Orthogroup1118: ANID|CBF73627.1 BCIN|XP\_001551578.1 BCIN|XP\_001558232.1 BCIN|XP\_024553009.1 CFRU|XP\_031888074.1 CGLO|KAF3802034.1 CHIG|XP\_018154141.1 CHIG|XP\_018161945.1 CVIN|KAF4910488.1 CVYL|A03354 FGRM|XP\_011324327.1 FGRM|XP\_011324328.1 MGRA|XP\_003851677.1 MGRA|XP\_003854120.1 MORY|QBZ54785.1 MORY|QBZ54797.1 MORY|QBZ62061.1 SSCL|APA11806.1

>Orthogroup1119: ANID|CBF73671.1 BCIN|XP\_024548323.1 BGRA|VCU40554.1 CFRU|XP\_031887452.1 CGLO|KAF3807132.1 CHIG|XP\_018160942.1 CVIN|KAF4920180.1 CVYL|A03528 FGRM|XP\_011319579.1 FGRM|XP\_011323610.1 FGRM|XP\_011325903.1 FGRM|XP\_011327527.1 MGRA|XP\_003850484.1 MLAR|XP\_007410065.1 MLAR|XP\_007416244.1 MORY|QBZ58816.1 NCRA|XP\_956320.3 SSCL|APA12570.1

>Orthogroup1120: ANID|CBF73682.1 BCIN|XP\_001558654.1 BGRA|VCU40527.1 CFRU|XP\_031886757.1 CFRU|XP\_031887122.1 CGLO|KAF3804105.1 CGLO|KAF3811215.1 CHIG|XP\_018160430.1 CVIN|KAF4892848.1 CVIN|KAF4931263.1 CVIN|KAF4932061.1 CVYL|A04382 CVYL|A07070 FGRM|XP\_011327158.1 MGRA|XP\_003850100.1 MORY|QBZ57039.1 NCRA|XP\_011394523.1 SSCL|APA05655.1

>Orthogroup1121: ANID|CBF73726.1 BCIN|XP\_024552583.1 CFRU|XP\_031881673.1 CFRU|XP\_031891010.1 CGLO|KAF3801641.1 CGLO|KAF3807452.1 CHIG|XP\_018151408.1 CHIG|XP\_018159666.1 CVIN|KAF4918510.1 CVIN|KAF4921215.1 CVYL|A10961 CVYL|A12495 FGRM|XP\_011317855.1 FGRM|XP\_011327662.1 MGRA|XP\_003854738.1 MORY|QBZ62409.1 NCRA|XP\_956082.1 SSCL|APA15641.1

>Orthogroup1122: ANID|CBF73728.1 ANID|CBF75667.1 BCIN|XP\_001553666.1 BCIN|XP\_024551570.1 BCIN|XP\_024551953.1 CFRU|XP\_031885646.1 CGLO|KAF3810126.1 CHIG|XP\_018157959.1 CVIN|KAF4912147.1 CVYL|A02717 FGRM|XP\_011319976.1 MGRA|XP\_003854023.1 MGRA|XP\_003856921.1 MLAR|XP\_007414413.1 MORY|QBZ61988.1 MORY|QBZ62146.1 NCRA|XP\_957564.1 SSCL|APA14899.1

>Orthogroup1123: ANID|CBF74037.1 BCIN|XP\_024549824.1 CFRU|XP\_031891242.1 CGLO|KAF3804546.1 CHIG|XP\_018160405.1 CVIN|KAF4924496.1 CVYL|A04266 FGRM|XP\_011318342.1 FGRM|XP\_011324711.1 MGRA|XP\_003850030.1 MORY|QBZ53468.1 MORY|QBZ59046.1 MORY|QBZ59400.1 MORY|QBZ61801.1 NCRA|XP\_958127.2 NCRA|XP\_960937.1 NCRA|XP\_964365.1 SSCL|APA05657.1

>Orthogroup1124: ANID|CBF74296.1 ANID|CBF74340.1 BGRA|VCU41324.1 CFRU|XP\_031875466.1 MORY|QBZ64422.1 SSCL|APA05396.1 SSCL|APA05822.1 SSCL|APA06518.1 SSCL|APA07298.1 SSCL|APA09931.1 SSCL|APA10082.1 SSCL|APA10755.1 SSCL|APA14065.1 SSCL|APA14066.1 SSCL|APA14488.1 SSCL|APA15014.1 SSCL|APA15657.1 SSCL|APA15904.1

>Orthogroup1125: ANID|CBF74375.1 BCIN|XP\_001553152.1 BCIN|XP\_001553607.1 BGRA|VDB90557.1 CFRU|XP\_031888448.1 CGLO|KAF3803480.1 CHIG|XP\_018151075.1 CHIG|XP\_018164168.1 CVIN|KAF4926326.1 CVYL|A14409 FGRM|XP\_011326830.1 MLAR|XP\_007408856.1 MLAR|XP\_007416036.1 MORY|QBZ56415.1 NCRA|XP\_011395035.1 NCRA|XP\_964468.2 SSCL|APA06437.1 SSCL|APA16059.1

>Orthogroup1126: ANID|CBF74391.1 BCIN|XP\_001547402.1 BGRA|VDB88984.1 CFRU|XP\_031880761.1 CFRU|XP\_031892005.1 CGLO|KAF3805605.1 CGLO|KAF3811194.1 CHIG|XP\_018164712.1 CVIN|KAF4903405.1 CVIN|KAF4931252.1 CVYL|A04358 CVYL|A07589 FGRM|XP\_011324952.1 MGRA|XP\_003848454.1 MLAR|XP\_007414839.1 MORY|QBZ62281.1 NCRA|XP\_959913.1 SSCL|APA14204.1

>Orthogroup1127: ANID|CBF74689.1 BCIN|XP\_024550874.1 CFRU|XP\_031879063.1 CFRU|XP\_031888159.1 CFRU|XP\_031891864.1 CGLO|KAF3798828.1 CGLO|KAF3802014.1 CHIG|XP\_018151217.1 CHIG|XP\_018154126.1 CVIN|KAF4914244.1 CVIN|KAF4919568.1 CVYL|A03374 CVYL|A09105 FGRM|XP\_011325740.1 MGRA|XP\_003852714.1 MORY|QBZ53551.1 NCRA|XP\_962941.1 SSCL|APA11802.1

>Orthogroup1128: ANID|CBF74708.1 BCIN|XP\_024552110.1 CFRU|XP\_031882159.1 CFRU|XP\_031882282.1 CGLO|KAF3804346.1 CGLO|KAF3806509.1 CHIG|XP\_018160150.1 CVIN|KAF4918355.1 CVYL|A04038 FGRM|XP\_011322087.1 FGRM|XP\_011324453.1 FGRM|XP\_011326194.1 FGRM|XP\_011328087.1 MGRA|XP\_003847420.1 MORY|QBZ60760.1 NCRA|XP\_962169.1 NCRA|XP\_963885.1 SSCL|APA12940.1

>Orthogroup1129: ANID|CBF74747.1 BCIN|XP\_001549892.1 BCIN|XP\_001555997.1 BGRA|VDB85954.1 CFRU|XP\_031887568.1 CFRU|XP\_031890272.1 CGLO|KAF3798766.1 CHIG|XP\_018161014.1 CVIN|KAF4912769.1 CVIN|KAF4920207.1 CVYL|A03603 FGRM|XP\_011325116.1 FGRM|XP\_011327866.1 MGRA|XP\_003857474.1 MORY|QBZ58825.1 NCRA|XP\_962367.3 SSCL|APA08223.1 SSCL|APA13928.1

>Orthogroup1130: ANID|CBF74936.1 ANID|CBF80520.1 CFRU|XP\_031889410.1 CFRU|XP\_031889860.1 CFRU|XP\_031891884.1 CGLO|KAF3808748.1 CGLO|KAF3809821.1 CGLO|KAF3810524.1 CHIG|XP\_018155645.1 CHIG|XP\_018159087.1 CVIN|KAF4906989.1 CVIN|KAF4914554.1 CVIN|KAF4919304.1 CVYL|A00911 CVYL|A06739 CVYL|A13603 FGRM|XP\_011319885.1 MORY|QBZ63971.1

>Orthogroup1131: ANID|CBF75034.1 BCIN|XP\_001554907.2 BGRA|VDB91058.1 CFRU|XP\_031882748.1 CGLO|KAF3806667.1 CHIG|XP\_018164199.1 CVIN|KAF4923683.1 CVYL|A14209 FGRM|XP\_011317138.1 MGRA|XP\_003846872.1 MGRA|XP\_003846889.1 MGRA|XP\_003851875.1 MLAR|XP\_007403578.1 MLAR|XP\_007404100.1 MLAR|XP\_007405187.1 MORY|QBZ63762.1 NCRA|XP\_011393305.1 SSCL|APA08346.1

>Orthogroup1132: ANID|CBF75162.1 BCIN|XP\_001548541.2 CFRU|XP\_031880998.1 CFRU|XP\_031887899.1 CGLO|KAF3800467.1 CHIG|XP\_018154414.1 CHIG|XP\_018161357.1 CVIN|KAF4891972.1 CVIN|KAF4917589.1 CVYL|A01850 CVYL|A10796 FGRM|XP\_011319751.1 MGRA|XP\_003849557.1 MGRA|XP\_003856403.1 MLAR|XP\_007415837.1 MORY|QBZ65813.1 NCRA|XP\_965535.3 SSCL|APA06597.1

>Orthogroup1133: ANID|CBF75417.1 ANID|CBF83022.1 BCIN|XP\_024549830.1 BCIN|XP\_024549833.1 CFRU|XP\_031883006.1 CGLO|KAF3808231.1 CHIG|XP\_018163156.1 CVIN|KAF4909560.1 CVYL|A00572 FGRM|XP\_011321399.1 FGRM|XP\_011323486.1 MGRA|XP\_003856644.1 MORY|QBZ58464.1 MORY|QBZ58521.1 MORY|QBZ59446.1 NCRA|XP\_963701.1 SSCL|APA05647.1 SSCL|APA05648.1

>Orthogroup1134: ANID|CBF75512.1 ANID|CBF79531.1 ANID|CBF84598.1 BCIN|XP\_001547403.1 BCIN|XP\_024546600.1 BGRA|VCU39601.1 CFRU|XP\_031893207.1 CGLO|KAF3808101.1 CHIG|XP\_018152809.1 CVIN|KAF4920643.1 CVYL|A08132 FGRM|XP\_011317894.1 MGRA|XP\_003848532.1 MLAR|XP\_007403955.1 MORY|QBZ54096.1 MORY|QBZ57663.1 NCRA|XP\_958678.1 SSCL|APA14203.1

>Orthogroup1135: ANID|CBF75764.1 ANID|CBF83130.1 ANID|CBF86061.1 BCIN|XP\_001552902.1 BGRA|VDB83845.1 CFRU|XP\_031881163.1 CGLO|KAF3802522.1 CGLO|KAF3806820.1 CVIN|KAF4918999.1 CVYL|A02114 FGRM|XP\_011320972.1 MGRA|XP\_003852075.1 MGRA|XP\_003853137.1 MORY|QBZ60023.1 MORY|QBZ65338.1 NCRA|XP\_011394334.1 NCRA|XP\_961868.1 SSCL|APA06163.1

>Orthogroup1136: ANID|CBF76644.1 CFRU|XP\_031879152.1 CFRU|XP\_031879153.1 CFRU|XP\_031879182.1 CFRU|XP\_031889814.1 CGLO|KAF3805860.1 CGLO|KAF3807038.1 CGLO|KAF3807045.1 CGLO|KAF3807046.1 CHIG|XP\_018158866.1 CVIN|KAF4907195.1 CVIN|KAF4920251.1 CVIN|KAF4920260.1 CVYL|A06332 CVYL|A06339 MGRA|XP\_003849436.1 MORY|QBZ62933.1 MORY|QBZ65246.1

>Orthogroup1137: ANID|CBF76696.1 BCIN|XP\_001552675.1 BGRA|VDB89247.1 CFRU|XP\_031876524.1 CFRU|XP\_031889749.1 CGLO|KAF3805912.1 CGLO|KAF3811470.1 CHIG|XP\_018159867.1 CHIG|XP\_018160721.1 CHIG|XP\_018160722.1 CVIN|KAF4898942.1 CVYL|A04672 CVYL|A04673 CVYL|A13797 MORY|QBZ64537.1 MORY|QBZ66461.1 NCRA|XP\_962211.3 SSCL|APA11492.1

>Orthogroup1138: ANID|CBF76848.1 BCIN|XP\_024546036.1 BGRA|VCU39083.1 CFRU|XP\_031888178.1 CGLO|KAF3802234.1 CHIG|XP\_018154338.1 CHIG|XP\_018154339.1 CVIN|KAF4914858.1 CVIN|KAF4914859.1 CVYL|A03167 FGRM|XP\_011319844.1 FGRM|XP\_011319845.1 MGRA|XP\_003847797.1 MORY|QBZ66022.1 MORY|QBZ66023.1 NCRA|XP\_964514.2 NCRA|XP\_964515.3 SSCL|APA07286.1

>Orthogroup1139: ANID|CBF77861.1 BCIN|XP\_001555073.1 BGRA|VDB85900.1 CFRU|XP\_031876688.1 CFRU|XP\_031887072.1 CGLO|KAF3801926.1 CHIG|XP\_018159404.1 CHIG|XP\_018160634.1 CVIN|KAF4918724.1 CVIN|KAF4919677.1 CVYL|A02364 CVYL|A04591 FGRM|XP\_011327191.1 MGRA|XP\_003850280.1 MLAR|XP\_007405857.1 MORY|QBZ54205.1 NCRA|XP\_961274.1 SSCL|APA07826.1

>Orthogroup1140: ANID|CBF77888.1 ANID|CBF87355.1 BCIN|XP\_001560651.1 BGRA|VCU38761.1 CFRU|XP\_031877796.1 CFRU|XP\_031878577.1 CGLO|KAF3803338.1 CHIG|XP\_018158397.1 CHIG|XP\_018162400.1 CVIN|KAF4911625.1 CVYL|A07312 FGRM|XP\_011318543.1 FGRM|XP\_011318652.1 MGRA|XP\_003850375.1 MLAR|XP\_007407476.1 MORY|QBZ55733.1 NCRA|XP\_962914.1 SSCL|APA07948.1

>Orthogroup1141: ANID|CBF77956.1 BCIN|XP\_001547029.1 BCIN|XP\_001555870.1 CFRU|XP\_031880724.1 CFRU|XP\_031892634.1 CGLO|KAF3807223.1 CGLO|KAF3811158.1 CHIG|XP\_018160347.1 CVIN|KAF4928116.1 CVIN|KAF4931273.1 CVYL|A04317 CVYL|A10712 FGRM|XP\_011318949.1 FGRM|XP\_011324728.1 MGRA|XP\_003849978.1 MORY|QBZ58016.1 NCRA|XP\_961192.1 SSCL|APA06068.1

>Orthogroup1142: ANID|CBF78001.1 BCIN|XP\_001555942.2 CFRU|XP\_031886955.1 CFRU|XP\_031889016.1 CGLO|KAF3799382.1 CGLO|KAF3811249.1 CHIG|XP\_018159953.1 CVIN|KAF4906803.1 CVIN|KAF4931243.1 CVYL|A03430 CVYL|A04414 FGRM|XP\_011322618.1 FGRM|XP\_011324463.1 MGRA|XP\_003849969.1 MLAR|XP\_007405722.1 MORY|QBZ59181.1 NCRA|XP\_011394490.1 SSCL|APA14519.1

>Orthogroup1143: ANID|CBF78123.1 BCIN|XP\_024550897.1 BGRA|VDB91102.1 BGRA|VDB95269.1 CFRU|XP\_031880451.1 CGLO|KAF3807298.1 CHIG|XP\_018156974.1 CVIN|KAF4918072.1 CVYL|A10772 FGRM|XP\_011328334.1 MGRA|XP\_003856380.1 MLAR|XP\_007408259.1 MLAR|XP\_007410709.1 MLAR|XP\_007417450.1 MLAR|XP\_007417519.1 MORY|QBZ65663.1 NCRA|XP\_964590.1 SSCL|APA11900.1

>Orthogroup1144: ANID|CBF78240.1 ANID|CBF84013.1 CFRU|XP\_031879946.1 CFRU|XP\_031880040.1 CFRU|XP\_031892905.1 CGLO|KAF3805189.1 CGLO|KAF3808129.1 CGLO|KAF3811777.1 CHIG|XP\_018155939.1 CHIG|XP\_018163565.1 CVIN|KAF4905164.1 CVIN|KAF4907636.1 CVIN|KAF4909729.1 CVYL|A07964 CVYL|A08107 CVYL|A12783 FGRM|XP\_011322612.1 FGRM|XP\_011326147.1

>Orthogroup1145: ANID|CBF78379.1 BCIN|XP\_001547230.1 BGRA|VCU38924.1 CFRU|XP\_031876659.1 CFRU|XP\_031878717.1 CGLO|KAF3798347.1 CGLO|KAF3801894.1 CHIG|XP\_018151131.1 CHIG|XP\_018154127.1 CVIN|KAF4913578.1 CVIN|KAF4923559.1 CVYL|A02338 CVYL|A09021 MLAR|XP\_007411019.1 MORY|QBZ53433.1 MORY|QBZ61663.1 NCRA|XP\_958990.1 SSCL|APA07368.1

>Orthogroup1146: ANID|CBF78441.1 BCIN|XP\_024553567.1 BCIN|XP\_024553775.1 BGRA|VCU39427.1 CFRU|XP\_031879764.1 CFRU|XP\_031888281.1 CGLO|KAF3797023.1 CGLO|KAF3798209.1 CGLO|KAF3802352.1 CHIG|XP\_018161581.1 CVIN|KAF4916803.1 CVIN|KAF4923147.1 CVYL|A03056 CVYL|A04909 MGRA|XP\_003851565.1 MORY|QBZ62871.1 NCRA|XP\_956101.2 SSCL|APA15149.1

>Orthogroup1147: ANID|CBF78482.1 CFRU|XP\_031876468.1 CFRU|XP\_031887773.1 CGLO|KAF3798014.1 CGLO|KAF3803255.1 CHIG|XP\_018158077.1 CHIG|XP\_018161108.1 CVIN|KAF4915610.1 CVIN|KAF4928655.1 CVYL|A03688 CVYL|A08343 FGRM|XP\_011321829.1 FGRM|XP\_011322820.1 MGRA|XP\_003850434.1 MGRA|XP\_003857005.1 MORY|QBZ64369.1 MORY|QBZ65266.1 NCRA|XP\_959745.1

>Orthogroup1148: ANID|CBF78501.1 ANID|CBF88491.1 CFRU|XP\_031876909.1 CFRU|XP\_031889239.1 CFRU|XP\_031892193.1 CGLO|KAF3808826.1 CGLO|KAF3809813.1 CHIG|XP\_018153861.1 CHIG|XP\_018155730.1 CVIN|KAF4908000.1 CVYL|A09693 FGRM|XP\_011316526.1 FGRM|XP\_011317635.1 FGRM|XP\_011320902.1 FGRM|XP\_011321738.1 FGRM|XP\_011328602.1 MGRA|XP\_003848986.1 MORY|QBZ65031.1

>Orthogroup1149: ANID|CBF78576.1 ANID|CBF84581.1 ANID|CBF88483.1 BCIN|XP\_024552778.1 CFRU|XP\_031882422.1 CGLO|KAF3807546.1 CHIG|XP\_018156390.1 CVIN|KAF4928966.1 CVYL|A02937 FGRM|XP\_011322253.1 MGRA|XP\_003847635.1 MGRA|XP\_003849135.1 MLAR|XP\_007405292.1 MLAR|XP\_007414802.1 MORY|QBZ54762.1 NCRA|XP\_958500.2 NCRA|XP\_959217.2 SSCL|APA07507.1

>Orthogroup1150: ANID|CBF78734.1 BCIN|XP\_001545304.1 CFRU|XP\_031882939.1 CFRU|XP\_031883934.1 CGLO|KAF3797460.1 CGLO|KAF3805117.1 CGLO|KAF3806646.1 CHIG|XP\_018150747.1 CHIG|XP\_018154147.1 CVIN|KAF4918900.1 CVIN|KAF4927455.1 CVYL|A06441 CVYL|A12360 MGRA|XP\_003852977.1 MGRA|XP\_003856083.1 MORY|QBZ58646.1 NCRA|XP\_011394443.1 NCRA|XP\_964697.1

>Orthogroup1151: ANID|CBF78778.1 BCIN|XP\_001552132.1 BCIN|XP\_024547400.1 CFRU|XP\_031893359.1 CGLO|KAF3808066.1 CHIG|XP\_018152757.1 CVIN|KAF4922806.1 CVYL|A08167 FGRM|XP\_011318009.1 MGRA|XP\_003852020.1 MORY|QBZ55827.1 MORY|QBZ56797.1 MORY|QBZ58442.1 MORY|QBZ63326.1 MORY|QBZ66303.1 NCRA|XP\_958935.1 NCRA|XP\_963061.1 SSCL|APA05253.1

>Orthogroup1152: ANID|CBF78906.1 BCIN|XP\_001554680.2 BGRA|VDB84154.1 CFRU|XP\_031881067.1 CFRU|XP\_031891547.1 CGLO|KAF3800404.1 CHIG|XP\_018157405.1 CHIG|XP\_018159081.1 CVIN|KAF4929361.1 CVIN|KAF4930604.1 CVYL|A01799 CVYL|A10235 FGRM|XP\_011323018.1 MGRA|XP\_003854963.1 MLAR|XP\_007403823.1 MORY|QBZ66394.1 NCRA|XP\_011393254.1 SSCL|APA11017.1

>Orthogroup1153: ANID|CBF78948.1 BCIN|XP\_024553518.1 CFRU|XP\_031876285.1 CFRU|XP\_031888072.1 CFRU|XP\_031890016.1 CGLO|KAF3798260.1 CGLO|KAF3802031.1 CGLO|KAF3805990.1 CHIG|XP\_018154143.1 CVIN|KAF4910504.1 CVIN|KAF4916930.1 CVIN|KAF4925713.1 CVYL|A03358 CVYL|A07526 CVYL|A09243 FGRM|XP\_011320898.1 FGRM|XP\_011326032.1 SSCL|APA09038.1

>Orthogroup1154: ANID|CBF79150.1 BCIN|XP\_001545605.1 CFRU|XP\_031884812.1 CFRU|XP\_031885740.1 CFRU|XP\_031889633.1 CGLO|KAF3810039.1 CGLO|KAF3810531.1 CGLO|KAF3812156.1 CHIG|XP\_018156544.1 CHIG|XP\_018157758.1 CHIG|XP\_018159100.1 CVIN|KAF4914551.1 CVIN|KAF4917938.1 CVIN|KAF4918748.1 CVYL|A00237 CVYL|A02635 CVYL|A13608 SSCL|APA07334.1

>Orthogroup1155: ANID|CBF79217.1 ANID|CBF85527.1 BCIN|XP\_024552504.1 BGRA|VDB87658.1 CFRU|XP\_031891016.1 CGLO|KAF3801647.1 CHIG|XP\_018151415.1 CVIN|KAF4921214.1 CVYL|A12489 FGRM|XP\_011326805.1 FGRM|XP\_011328185.1 MGRA|XP\_003857464.1 MLAR|XP\_007404005.1 MLAR|XP\_007407736.1 MORY|QBZ64399.1 NCRA|XP\_957684.2 NCRA|XP\_959492.2 SSCL|APA08495.1

>Orthogroup1156: ANID|CBF79380.1 ANID|CBF79696.1 BCIN|XP\_001545704.1 BCIN|XP\_024549874.1 BGRA|VDB91121.1 CFRU|XP\_031888423.1 CGLO|KAF3803651.1 CHIG|XP\_018163814.1 CVIN|KAF4928516.1 CVYL|A14584 FGRM|XP\_011316999.1 MGRA|XP\_003848309.1 MGRA|XP\_003848455.1 MLAR|XP\_007414452.1 MORY|QBZ54668.1 NCRA|XP\_965051.3 SSCL|APA05548.1 SSCL|APA06208.1

>Orthogroup1157: ANID|CBF79585.1 BCIN|XP\_001545724.2 BCIN|XP\_001558265.1 BCIN|XP\_024551056.1 CFRU|XP\_031877024.1 CGLO|KAF3811083.1 CHIG|XP\_018153075.1 CVIN|KAF4895028.1 CVYL|A09712 FGRM|XP\_011318632.1 MGRA|XP\_003849132.1 MORY|QBZ60802.1 MORY|QBZ63204.1 MORY|QBZ63395.1 MORY|QBZ66259.1 NCRA|XP\_959322.1 NCRA|XP\_962496.2 SSCL|APA11992.1

>Orthogroup1158: ANID|CBF79639.1 ANID|CBF81929.1 BCIN|XP\_024547044.1 BGRA|VDB93937.1 CFRU|XP\_031882931.1 CFRU|XP\_031890687.1 CGLO|KAF3804933.1 CHIG|XP\_018163946.1 CHIG|XP\_018164435.1 CVIN|KAF4918420.1 CVIN|KAF4919432.1 CVYL|A14315 FGRM|XP\_011324185.1 MGRA|XP\_003857161.1 MLAR|XP\_007415725.1 MORY|QBZ55397.1 NCRA|XP\_965137.3 SSCL|APA06114.1

>Orthogroup1159: ANID|CBF79896.1 BCIN|XP\_001550176.1 BCIN|XP\_024553538.1 CFRU|XP\_031884042.1 CFRU|XP\_031887067.1 CFRU|XP\_031889682.1 CGLO|KAF3805177.1 CGLO|KAF3810607.1 CGLO|KAF3811431.1 CHIG|XP\_018158965.1 CHIG|XP\_018160673.1 CVIN|KAF4908272.1 CVIN|KAF4917882.1 CVIN|KAF4927468.1 CVYL|A04629 CVYL|A13690 FGRM|XP\_011319649.1 SSCL|APA11332.1

>Orthogroup1160: ANID|CBF80112.1 ANID|CBF80624.1 CFRU|XP\_031881888.1 CFRU|XP\_031885723.1 CFRU|XP\_031890818.1 CFRU|XP\_031891890.1 CGLO|KAF3800652.1 CGLO|KAF3801318.1 CGLO|KAF3810018.1 CHIG|XP\_018152029.1 CVIN|KAF4910735.1 CVIN|KAF4917944.1 CVYL|A02617 CVYL|A13064 FGRM|XP\_011320928.1 FGRM|XP\_011321960.1 MGRA|XP\_003852007.1 MORY|QBZ64084.1

>Orthogroup1161: ANID|CBF80257.1 BCIN|XP\_024545907.1 BCIN|XP\_024548621.1 BCIN|XP\_024550623.1 BCIN|XP\_024551728.1 BGRA|VDB93105.1 CFRU|XP\_031890517.1 CFRU|XP\_031891875.1 CGLO|KAF3801302.1 CGLO|KAF3806763.1 CHIG|XP\_018158783.1 CVIN|KAF4919508.1 CVIN|KAF4921602.1 CVYL|A04976 CVYL|A07784 FGRM|XP\_011315642.1 NCRA|XP\_011393081.1 SSCL|APA09844.1

>Orthogroup1162: ANID|CBF80396.1 ANID|CBF80398.1 ANID|CBF83684.1 BCIN|XP\_001560248.1 BCIN|XP\_001561024.2 BCIN|XP\_024546340.1 BCIN|XP\_024549107.1 BGRA|VCU40194.1 CFRU|XP\_031882217.1 CGLO|KAF3804374.1 CHIG|XP\_018160183.1 CVIN|KAF4918349.1 CVYL|A04067 MORY|QBZ57514.1 NCRA|XP\_956633.3 SSCL|APA06740.1 SSCL|APA06879.1 SSCL|APA15939.1

>Orthogroup1163: ANID|CBF80408.1 BCIN|XP\_024548662.1 CFRU|XP\_031880861.1 CFRU|XP\_031881263.1 CFRU|XP\_031889590.1 CGLO|KAF3802536.1 CGLO|KAF3806910.1 CGLO|KAF3810511.1 CHIG|XP\_018151847.1 CHIG|XP\_018154825.1 CVIN|KAF4904509.1 CVIN|KAF4914553.1 CVIN|KAF4919000.1 CVYL|A02122 CVYL|A02553 CVYL|A13592 FGRM|XP\_011321559.1 MGRA|XP\_003854937.1

>Orthogroup1164: ANID|CBF80916.1 BCIN|XP\_024546961.1 BGRA|VDB93796.1 CFRU|XP\_031882125.1 CFRU|XP\_031883444.1 CGLO|KAF3800582.1 CGLO|KAF3804308.1 CHIG|XP\_018152097.1 CVIN|KAF4920100.1 CVIN|KAF4927064.1 CVYL|A03993 CVYL|A13132 FGRM|XP\_011325669.1 MGRA|XP\_003855095.1 MLAR|XP\_007411722.1 MORY|QBZ62122.1 NCRA|XP\_956249.2 SSCL|APA05984.1

>Orthogroup1165: ANID|CBF81019.1 BCIN|XP\_024546512.1 CFRU|XP\_031881717.1 CFRU|XP\_031888589.1 CGLO|KAF3800665.1 CHIG|XP\_018151557.1 CHIG|XP\_018152015.1 CHIG|XP\_018163837.1 CVIN|KAF4913942.1 CVIN|KAF4922023.1 CVYL|A13053 CVYL|A14558 FGRM|XP\_011326542.1 MGRA|XP\_003856277.1 MORY|QBZ54715.1 MORY|QBZ66088.1 NCRA|XP\_964564.2 SSCL|APA06735.1

>Orthogroup1166: ANID|CBF81033.1 BCIN|XP\_001548791.1 BCIN|XP\_024551265.1 CFRU|XP\_031880314.1 CFRU|XP\_031885162.1 CGLO|KAF3808991.1 CHIG|XP\_018155837.1 CHIG|XP\_018159914.1 CHIG|XP\_018165059.1 CVIN|KAF4920854.1 CVIN|KAF4927571.1 CVYL|A01391 CVYL|A06915 FGRM|XP\_011325146.1 MGRA|XP\_003851151.1 MGRA|XP\_003855732.1 MORY|QBZ59868.1 SSCL|APA13329.1

>Orthogroup1167: ANID|CBF81226.1 BCIN|XP\_024548448.1 BGRA|VDB93121.1 CFRU|XP\_031875890.1 CFRU|XP\_031892567.1 CGLO|KAF3802668.1 CGLO|KAF3809150.1 CHIG|XP\_018155602.1 CHIG|XP\_018155945.1 CVIN|KAF4894346.1 CVYL|A01336 CVYL|A14071 MLAR|XP\_007403502.1 MLAR|XP\_007413375.1 MLAR|XP\_007414848.1 MORY|QBZ62427.1 NCRA|XP\_959186.1 SSCL|APA12237.1

>Orthogroup1168: ANID|CBF81252.1 BCIN|XP\_001555705.1 BCIN|XP\_024546276.1 BCIN|XP\_024546739.1 BCIN|XP\_024552790.1 CFRU|XP\_031879821.1 CGLO|KAF3803042.1 CHIG|XP\_018153589.1 CVIN|KAF4929958.1 CVYL|A00054 FGRM|XP\_011316068.1 MGRA|XP\_003851200.1 MORY|QBZ59423.1 MORY|QBZ61117.1 MORY|QBZ61825.1 NCRA|XP\_958825.1 NCRA|XP\_962093.2 SSCL|APA06943.1

>Orthogroup1169: ANID|CBF81285.1 ANID|CBF89252.1 BCIN|XP\_001561309.1 BGRA|VDB90739.1 CFRU|XP\_031880164.1 CFRU|XP\_031890534.1 CGLO|KAF3804861.1 CGLO|KAF3811828.1 CHIG|XP\_018156988.1 CHIG|XP\_018164393.1 CVIN|KAF4921151.1 CVIN|KAF4924889.1 CVYL|A12212 FGRM|XP\_011316303.1 MGRA|XP\_003850616.1 MORY|QBZ55294.1 NCRA|XP\_964273.1 SSCL|APA06853.1

>Orthogroup1170: ANID|CBF81296.1 BCIN|XP\_001557376.1 CFRU|XP\_031885989.1 CFRU|XP\_031886189.1 CGLO|KAF3805537.1 CGLO|KAF3806554.1 CHIG|XP\_018155388.1 CHIG|XP\_018157595.1 CVIN|KAF4918306.1 CVIN|KAF4920491.1 CVYL|A05660 CVYL|A09315 FGRM|XP\_011317411.1 MORY|QBZ54462.1 MORY|QBZ62370.1 NCRA|XP\_959888.1 SSCL|APA10697.1 SSCL|APA14410.1

>Orthogroup1171: ANID|CBF81337.1 BCIN|XP\_024550145.1 BGRA|VDB84295.1 CFRU|XP\_031881401.1 CFRU|XP\_031888069.1 CGLO|KAF3802187.1 CGLO|KAF3805744.1 CHIG|XP\_018152634.1 CHIG|XP\_018154315.1 CVIN|KAF4922752.1 CVIN|KAF4926591.1 CVYL|A03206 FGRM|XP\_011320266.1 MGRA|XP\_003850813.1 MLAR|XP\_007410750.1 MORY|QBZ65881.1 NCRA|XP\_959139.1 SSCL|APA10769.1

>Orthogroup1172: ANID|CBF81538.1 ANID|CBF83970.1 BCIN|XP\_024550812.1 BGRA|VDB93031.1 CFRU|XP\_031878037.1 CGLO|KAF3799630.1 CHIG|XP\_018154636.1 CHIG|XP\_018164825.1 CVIN|KAF4926435.1 CVYL|A13493 FGRM|XP\_011325111.1 MGRA|XP\_003856653.1 MLAR|XP\_007418603.1 MLAR|XP\_007418608.1 MORY|QBZ61026.1 MORY|QBZ61660.1 NCRA|XP\_963675.2 SSCL|APA11840.1

>Orthogroup1173: ANID|CBF81687.1 CFRU|XP\_031879341.1 CFRU|XP\_031882866.1 CFRU|XP\_031884918.1 CFRU|XP\_031889699.1 CGLO|KAF3803352.1 CGLO|KAF3805952.1 CGLO|KAF3808666.1 CGLO|KAF3812184.1 CHIG|XP\_018153094.1 CHIG|XP\_018161844.1 CVIN|KAF4915969.1 CVIN|KAF4926171.1 CVYL|A11711 CVYL|A14277 FGRM|XP\_011320936.1 MGRA|XP\_003849049.1 MORY|QBZ55819.1

>Orthogroup1174: ANID|CBF81693.1 ANID|CBF88815.1 BCIN|XP\_001550385.1 CFRU|XP\_031881154.1 CFRU|XP\_031893070.1 CGLO|KAF3802517.1 CHIG|XP\_018152447.1 CHIG|XP\_018154822.1 CVIN|KAF4918992.1 CVYL|A02109 FGRM|XP\_011328613.1 MGRA|XP\_003854263.1 MGRA|XP\_003854420.1 MGRA|XP\_003854585.1 MLAR|XP\_007410621.1 MORY|QBZ53960.1 NCRA|XP\_963228.1 SSCL|APA10072.1

>Orthogroup1175: ANID|CBF81817.1 BCIN|XP\_024552858.1 BGRA|VCU40170.1 CFRU|XP\_031878658.1 CFRU|XP\_031892784.1 CGLO|KAF3798343.1 CGLO|KAF3809093.1 CHIG|XP\_018155893.1 CVIN|KAF4900568.1 CVIN|KAF4923563.1 CVYL|A01279 CVYL|A09016 FGRM|XP\_011319202.1 MGRA|XP\_003853013.1 MLAR|XP\_007414099.1 MORY|QBZ58951.1 NCRA|XP\_960906.2 SSCL|APA16128.1

>Orthogroup1176: ANID|CBF81913.1 BCIN|XP\_024549773.1 BGRA|VDB94005.1 CFRU|XP\_031875615.1 CFRU|XP\_031876301.1 CFRU|XP\_031876306.1 CFRU|XP\_031877565.1 CFRU|XP\_031887707.1 CGLO|KAF3811645.1 CHIG|XP\_018160924.1 CVIN|KAF4921436.1 CVYL|A03505 FGRM|XP\_011322215.1 FGRM|XP\_011323589.1 MGRA|XP\_003851679.1 MORY|QBZ56679.1 NCRA|XP\_962199.2 SSCL|APA05717.1

>Orthogroup1177: ANID|CBF81959.1 BCIN|XP\_001548639.2 BCIN|XP\_024553991.1 BCIN|XP\_024553993.1 CFRU|XP\_031875327.1 CFRU|XP\_031876156.1 CFRU|XP\_031876333.1 CFRU|XP\_031876362.1 CGLO|KAF3801189.1 CHIG|XP\_018155188.1 CVIN|KAF4888054.1 CVIN|KAF4920587.1 CVYL|A06201 MGRA|XP\_003855860.1 MORY|QBZ58391.1 MORY|QBZ61797.1 MORY|QBZ62632.1 SSCL|APA09637.1

>Orthogroup1178: ANID|CBF82158.1 ANID|CBF83158.1 CFRU|XP\_031890718.1 CFRU|XP\_031891137.1 CGLO|KAF3797939.1 CGLO|KAF3801570.1 CHIG|XP\_018151990.1 CVIN|KAF4921095.1 CVYL|A05371 CVYL|A12565 FGRM|XP\_011319466.1 FGRM|XP\_011320810.1 FGRM|XP\_011325734.1 FGRM|XP\_011327457.1 MGRA|XP\_003853312.1 MORY|QBZ57539.1 MORY|QBZ63989.1 NCRA|XP\_960547.2

>Orthogroup1179: ANID|CBF82221.1 BCIN|XP\_001550748.2 BCIN|XP\_024549990.1 CFRU|XP\_031876457.1 CFRU|XP\_031878519.1 CGLO|KAF3798002.1 CGLO|KAF3799806.1 CGLO|KAF3799946.1 CHIG|XP\_018153871.1 CVIN|KAF4928285.1 CVYL|A04788 FGRM|XP\_011317572.1 MGRA|XP\_003849402.1 MGRA|XP\_003857062.1 MORY|QBZ53913.1 MORY|QBZ65552.1 MORY|QBZ65604.1 SSCL|APA15290.1

>Orthogroup1180: ANID|CBF82322.1 ANID|CBF87380.1 CFRU|XP\_031885280.1 CFRU|XP\_031889777.1 CFRU|XP\_031890063.1 CGLO|KAF3798760.1 CGLO|KAF3807772.1 CGLO|KAF3810484.1 CHIG|XP\_018159782.1 CVIN|KAF4912774.1 CVIN|KAF4924625.1 CVYL|A09160 CVYL|A14087 FGRM|XP\_011317992.1 FGRM|XP\_011322484.1 MGRA|XP\_003854936.1 MORY|QBZ64153.1 MORY|QBZ64747.1

>Orthogroup1181: ANID|CBF82600.1 BCIN|XP\_024548560.1 CFRU|XP\_031889530.1 CFRU|XP\_031890446.1 CGLO|KAF3805300.1 CGLO|KAF3810447.1 CHIG|XP\_018151473.1 CHIG|XP\_018158617.1 CVIN|KAF4924617.1 CVIN|KAF4925974.1 CVYL|A13952 FGRM|XP\_011316456.1 MGRA|XP\_003852712.1 MGRA|XP\_003852983.1 MLAR|XP\_007413362.1 MORY|QBZ62573.1 NCRA|XP\_001728187.1 SSCL|APA10053.1

>Orthogroup1182: ANID|CBF83530.1 BCIN|XP\_001555976.2 BGRA|VDB88896.1 CFRU|XP\_031882074.1 CGLO|KAF3806004.1 CHIG|XP\_018164651.1 CVIN|KAF4925707.1 CVYL|A07510 FGRM|XP\_011324996.1 MGRA|XP\_003851504.1 MLAR|XP\_007404360.1 MLAR|XP\_007411222.1 MLAR|XP\_007414268.1 MLAR|XP\_007414269.1 MLAR|XP\_007418693.1 MORY|QBZ62326.1 NCRA|XP\_959645.1 SSCL|APA13913.1

>Orthogroup1183: ANID|CBF84471.1 BCIN|XP\_024546587.1 BCIN|XP\_024552658.1 BGRA|VCU41156.1 BGRA|VDB87816.1 CFRU|XP\_031883298.1 CGLO|KAF3801702.1 CHIG|XP\_018159209.1 CVIN|KAF4915630.1 CVYL|A12996 FGRM|XP\_011320141.1 MGRA|XP\_003852734.1 MLAR|XP\_007416534.1 MORY|QBZ57320.1 NCRA|XP\_960050.2 NCRA|XP\_960393.2 SSCL|APA06484.1 SSCL|APA15554.1

>Orthogroup1184: ANID|CBF84478.1 ANID|CBF87132.1 BCIN|XP\_001549201.1 CFRU|XP\_031884743.1 CFRU|XP\_031884898.1 CGLO|KAF3812209.1 CHIG|XP\_018153356.1 CVIN|KAF4910010.1 CVIN|KAF4920970.1 CVYL|A00174 CVYL|A00270 FGRM|XP\_011323059.1 MGRA|XP\_003849122.1 MGRA|XP\_003851432.1 MGRA|XP\_003857807.1 MORY|QBZ64040.1 NCRA|XP\_959879.1 SSCL|APA09237.1

>Orthogroup1185: ANID|CBF84531.1 BCIN|XP\_024552191.1 CFRU|XP\_031893072.1 CFRU|XP\_031893310.1 CFRU|XP\_031893311.1 CGLO|KAF3800796.1 CGLO|KAF3808379.1 CHIG|XP\_018150903.1 CHIG|XP\_018152449.1 CVIN|KAF4916853.1 CVIN|KAF4922465.1 CVIN|KAF4922479.1 CVYL|A08755 CVYL|A09539 FGRM|XP\_011319303.1 MGRA|XP\_003851681.1 MORY|QBZ61950.1 SSCL|APA13282.1

>Orthogroup1186: ANID|CBF84552.1 CFRU|XP\_031892188.1 CFRU|XP\_031893532.1 CGLO|KAF3809472.1 CGLO|KAF3809820.1 CHIG|XP\_018158014.1 CHIG|XP\_018164938.1 CVIN|KAF4919305.1 CVIN|KAF4921282.1 CVYL|A06738 CVYL|A10037 FGRM|XP\_011315844.1 FGRM|XP\_011321383.1 FGRM|XP\_011327421.1 MGRA|XP\_003849759.1 MORY|QBZ53397.1 MORY|QBZ54962.1 MORY|QBZ60928.1

>Orthogroup1187: ANID|CBF84609.1 BCIN|XP\_001557151.1 BCIN|XP\_024547619.1 CFRU|XP\_031879957.1 CFRU|XP\_031885727.1 CGLO|KAF3798926.1 CGLO|KAF3810035.1 CHIG|XP\_018152885.1 CVIN|KAF4908219.1 CVYL|A02621 CVYL|A07846 FGRM|XP\_011321076.1 MGRA|XP\_003854189.1 MLAR|XP\_007410007.1 MLAR|XP\_007410212.1 MORY|QBZ54981.1 MORY|QBZ61759.1 SSCL|APA07783.1

>Orthogroup1188: ANID|CBF84617.1 ANID|CBF85755.1 ANID|CBF86770.1 CFRU|XP\_031876060.1 CFRU|XP\_031889808.1 CFRU|XP\_031889981.1 CGLO|KAF3801993.1 CGLO|KAF3806603.1 CGLO|KAF3810506.1 CHIG|XP\_018159109.1 CHIG|XP\_018159515.1 CVIN|KAF4916899.1 CVIN|KAF4919797.1 CVIN|KAF4924644.1 CVYL|A02423 CVYL|A09263 FGRM|XP\_011320778.1 MGRA|XP\_003856768.1

>Orthogroup1189: ANID|CBF84679.1 ANID|CBF86911.1 BGRA|VCU39162.1 CFRU|XP\_031888962.1 CFRU|XP\_031892227.1 CFRU|XP\_031893399.1 CGLO|KAF3799262.1 CGLO|KAF3808394.1 CGLO|KAF3809701.1 CHIG|XP\_018152454.1 CHIG|XP\_018158177.1 CVIN|KAF4908833.1 CVIN|KAF4916830.1 CVIN|KAF4921971.1 CVYL|A06624 CVYL|A09554 CVYL|A10154 FGRM|XP\_011320366.1

>Orthogroup1190: ANID|CBF84708.1 ANID|CBF89027.1 BCIN|XP\_024547912.1 CFRU|XP\_031878947.1 CFRU|XP\_031887854.1 CGLO|KAF3802195.1 CGLO|KAF3807890.1 CHIG|XP\_018163081.1 CHIG|XP\_018163121.1 CVIN|KAF4922598.1 CVYL|A00722 CVYL|A03199 MGRA|XP\_003847513.1 MGRA|XP\_003857260.1 NCRA|XP\_960014.1 NCRA|XP\_962977.2 SSCL|APA08230.1 SSCL|APA10738.1

>Orthogroup1191: ANID|CBF84731.1 ANID|CBF88080.1 BCIN|XP\_024549099.1 CFRU|XP\_031876088.1 CFRU|XP\_031879563.1 CGLO|KAF3802698.1 CGLO|KAF3807374.1 CHIG|XP\_018151484.1 CVIN|KAF4929539.1 CVYL|A08023 FGRM|XP\_011321793.1 FGRM|XP\_011324285.1 MGRA|XP\_003855751.1 MORY|QBZ56554.1 MORY|QBZ59817.1 NCRA|XP\_955830.2 NCRA|XP\_959617.2 SSCL|APA15923.1

>Orthogroup1192: ANID|CBF85551.1 BCIN|XP\_001546889.1 CFRU|XP\_031888561.1 CFRU|XP\_031891038.1 CGLO|KAF3797813.1 CGLO|KAF3801629.1 CHIG|XP\_018151393.1 CHIG|XP\_018159836.1 CVIN|KAF4921199.1 CVIN|KAF4923176.1 CVYL|A03043 CVYL|A12508 FGRM|XP\_011328445.1 MGRA|XP\_003851305.1 MGRA|XP\_003852724.1 MORY|QBZ66350.1 NCRA|XP\_011394981.1 SSCL|APA08575.1

>Orthogroup1193: ANID|CBF85620.1 BCIN|XP\_024547675.1 CFRU|XP\_031879720.1 CFRU|XP\_031880980.1 CGLO|KAF3798199.1 CHIG|XP\_018154080.1 CHIG|XP\_018155782.1 CHIG|XP\_018161482.1 CVIN|KAF4916815.1 CVIN|KAF4930641.1 CVYL|A01723 CVYL|A04920 FGRM|XP\_011325726.1 FGRM|XP\_011325940.1 MORY|QBZ53662.1 MORY|QBZ56359.1 NCRA|XP\_958235.1 SSCL|APA07883.1

>Orthogroup1194: ANID|CBF85777.1 BCIN|XP\_024551606.1 CFRU|XP\_031892102.1 CFRU|XP\_031893194.1 CGLO|KAF3804022.1 CGLO|KAF3809733.1 CHIG|XP\_018150922.1 CHIG|XP\_018164929.1 CVIN|KAF4903861.1 CVIN|KAF4925173.1 CVYL|A06657 CVYL|A08781 FGRM|XP\_011322955.1 FGRM|XP\_011326048.1 MGRA|XP\_003856776.1 MORY|QBZ63021.1 NCRA|XP\_960499.1 SSCL|APA14834.1

>Orthogroup1195: ANID|CBF85779.1 ANID|CBF89410.1 BCIN|XP\_024551609.1 CFRU|XP\_031883423.1 CFRU|XP\_031893195.1 CGLO|KAF3801761.1 CHIG|XP\_018150923.1 CHIG|XP\_018159267.1 CVIN|KAF4922904.1 CVIN|KAF4925175.1 CVYL|A08782 CVYL|A12944 FGRM|XP\_011320422.1 FGRM|XP\_011326049.1 MGRA|XP\_003856900.1 MORY|QBZ62881.1 NCRA|XP\_960461.1 SSCL|APA14831.1

>Orthogroup1196: ANID|CBF85921.1 BCIN|XP\_024553097.1 BGRA|VCU39719.1 CFRU|XP\_031881205.1 CGLO|KAF3802465.1 CHIG|XP\_018154770.1 CVIN|KAF4916867.1 CVYL|A02061 FGRM|XP\_011325543.1 MGRA|XP\_003856156.1 MLAR|XP\_007404756.1 MLAR|XP\_007406090.1 MLAR|XP\_007412359.1 MLAR|XP\_007412792.1 MLAR|XP\_007415356.1 MORY|QBZ62053.1 NCRA|XP\_011393479.1 SSCL|APA16310.1

>Orthogroup1197: ANID|CBF86643.1 ANID|CBF87972.1 BCIN|XP\_001552444.2 CFRU|XP\_031877439.1 CFRU|XP\_031879515.1 CGLO|KAF3802684.1 CGLO|KAF3808452.1 CHIG|XP\_018159165.1 CHIG|XP\_018162002.1 CVIN|KAF4915212.1 CVIN|KAF4920444.1 CVYL|A08008 CVYL|A11688 FGRM|XP\_011326303.1 MLAR|XP\_007416210.1 MORY|QBZ57887.1 NCRA|XP\_963197.2 SSCL|APA14920.1

>Orthogroup1198: ANID|CBF86897.1 ANID|CBF86906.1 BCIN|XP\_024547914.1 BGRA|VDB94847.1 BGRA|VDB94848.1 CFRU|XP\_031882306.1 CGLO|KAF3804418.1 CHIG|XP\_018160234.1 CVIN|KAF4930891.1 CVYL|A04122 FGRM|XP\_011324489.1 MGRA|XP\_003855116.1 MLAR|XP\_007406828.1 MLAR|XP\_007410284.1 MLAR|XP\_007419675.1 MORY|QBZ59159.1 NCRA|XP\_011394741.1 SSCL|APA08234.1

>Orthogroup1199: ANID|CBF86909.1 BCIN|XP\_024550381.1 BGRA|VDB94876.1 CFRU|XP\_031877346.1 CFRU|XP\_031886270.1 CGLO|KAF3799873.1 CGLO|KAF3806192.1 CHIG|XP\_018153820.1 CHIG|XP\_018162178.1 CVIN|KAF4921724.1 CVIN|KAF4931487.1 CVYL|A09645 CVYL|A11780 FGRM|XP\_011324072.1 MGRA|XP\_003849090.1 MORY|QBZ59553.1 NCRA|XP\_956995.1 SSCL|APA11071.1

>Orthogroup1200: ANID|CBF87034.1 BCIN|XP\_001547382.1 BCIN|XP\_001561223.1 CFRU|XP\_031881380.1 CFRU|XP\_031882689.1 CGLO|KAF3803864.1 CGLO|KAF3805752.1 CHIG|XP\_018163662.1 CHIG|XP\_018164660.1 CVIN|KAF4925452.1 CVIN|KAF4926609.1 CVYL|A08936 CVYL|A09793 FGRM|XP\_011323309.1 MORY|QBZ58176.1 NCRA|XP\_958094.1 SSCL|APA07179.1 SSCL|APA14223.1

>Orthogroup1201: ANID|CBF87097.1 BCIN|XP\_001549202.1 CFRU|XP\_031880912.1 CFRU|XP\_031884896.1 CGLO|KAF3806933.1 CGLO|KAF3812126.1 CHIG|XP\_018151619.1 CHIG|XP\_018153354.1 CVIN|KAF4909997.1 CVIN|KAF4919185.1 CVYL|A00272 CVYL|A02578 FGRM|XP\_011323056.1 MGRA|XP\_003854753.1 MORY|QBZ64043.1 NCRA|XP\_959876.2 SSCL|APA09236.1 SSCL|APA15017.1

>Orthogroup1202: ANID|CBF87183.1 BCIN|XP\_024549762.1 BCIN|XP\_024553262.1 BCIN|XP\_024553325.1 CFRU|XP\_031881823.1 CFRU|XP\_031883737.1 CGLO|KAF3800684.1 CGLO|KAF3800685.1 CGLO|KAF3811944.1 CHIG|XP\_018151998.1 CVIN|KAF4905816.1 CVIN|KAF4922040.1 CVYL|A06119 CVYL|A13032 FGRM|XP\_011316690.1 SSCL|APA11475.1 SSCL|APA13574.1 SSCL|APA15417.1

>Orthogroup1203: ANID|CBF87574.1 BCIN|XP\_001550057.1 BGRA|VCU39683.1 CFRU|XP\_031883281.1 CGLO|KAF3800520.1 CHIG|XP\_018152177.1 CVIN|KAF4919233.1 CVYL|A13195 FGRM|XP\_011317362.1 MGRA|XP\_003846882.1 MGRA|XP\_003847024.1 MGRA|XP\_003847090.1 MGRA|XP\_003847170.1 MGRA|XP\_003847499.1 MGRA|XP\_003848073.1 MORY|QBZ53928.1 NCRA|XP\_956626.1 SSCL|APA07514.1

>Orthogroup1204: ANID|CBF87579.1 BCIN|XP\_001557815.1 BGRA|VDB93379.1 CFRU|XP\_031882680.1 CFRU|XP\_031883739.1 CGLO|KAF3800497.1 CGLO|KAF3811946.1 CHIG|XP\_018155133.1 CVIN|KAF4905827.1 CVIN|KAF4919246.1 CVYL|A06117 CVYL|A13217 FGRM|XP\_011322502.1 MGRA|XP\_003847923.1 MLAR|XP\_007403559.1 MORY|QBZ61092.1 NCRA|XP\_963445.2 SSCL|APA12137.1

>Orthogroup1205: ANID|CBF87726.1 BCIN|XP\_024552881.1 BGRA|VCU39616.1 CFRU|XP\_031883847.1 CFRU|XP\_031889265.1 CGLO|KAF3805156.1 CGLO|KAF3808839.1 CHIG|XP\_018155736.1 CVIN|KAF4909991.1 CVIN|KAF4927419.1 CVYL|A01242 CVYL|A06594 FGRM|XP\_011318922.1 MGRA|XP\_003849665.1 MLAR|XP\_007413021.1 MORY|QBZ53857.1 NCRA|XP\_961417.1 SSCL|APA16097.1

>Orthogroup1206: ANID|CBF87771.1 BCIN|XP\_001558448.2 BGRA|VDB94992.1 BGRA|VDB95000.1 BGRA|VDB95002.1 BGRA|VDB95106.1 CFRU|XP\_031883836.1 CGLO|KAF3805065.1 CHIG|XP\_018163452.1 CVIN|KAF4902228.1 CVYL|A06495 FGRM|XP\_011318754.1 MGRA|XP\_003856906.1 MLAR|XP\_007415285.1 MORY|QBZ59526.1 MORY|QBZ64968.1 NCRA|XP\_957487.1 SSCL|APA14734.1

>Orthogroup1207: ANID|CBF88690.1 BCIN|XP\_024551098.1 CFRU|XP\_031880438.1 CFRU|XP\_031889318.1 CGLO|KAF3803102.1 CGLO|KAF3807304.1 CHIG|XP\_018155596.1 CHIG|XP\_018156977.1 CHIG|XP\_018156978.1 CVIN|KAF4918077.1 CVIN|KAF4929617.1 CVYL|A00992 CVYL|A10790 FGRM|XP\_011320044.1 MGRA|XP\_003854871.1 MORY|QBZ66085.1 NCRA|XP\_965288.1 SSCL|APA12047.1

>Orthogroup1208: ANID|CBF89164.1 BCIN|XP\_024552203.1 BGRA|VCU39481.1 CFRU|XP\_031876567.1 CFRU|XP\_031880691.1 CFRU|XP\_031884535.1 CGLO|KAF3809917.1 CHIG|XP\_018150790.1 CVIN|KAF4911853.1 CVIN|KAF4930651.1 CVYL|A11134 FGRM|XP\_011323795.1 MGRA|XP\_003848828.1 MGRA|XP\_003849441.1 MLAR|XP\_007411058.1 MORY|QBZ56524.1 NCRA|XP\_962266.3 SSCL|APA12892.1

>Orthogroup1209: ANID|CBF89728.1 ANID|CBF89730.1 BCIN|XP\_024548344.1 BGRA|VDB93930.1 BGRA|VDB93931.1 BGRA|VDB93932.1 CFRU|XP\_031885527.1 CGLO|KAF3799445.1 CHIG|XP\_018152323.1 CHIG|XP\_018152324.1 CVIN|KAF4931897.1 CVYL|A13306 FGRM|XP\_011316560.1 FGRM|XP\_011316561.1 MGRA|XP\_003855386.1 MORY|QBZ54385.1 NCRA|XP\_011393698.1 SSCL|APA12602.1

>Orthogroup1210: ANID|CBF89775.1 BCIN|XP\_024548698.1 BGRA|VCU40370.1 CFRU|XP\_031889795.1 CFRU|XP\_031891646.1 CGLO|KAF3804728.1 CGLO|KAF3805875.1 CHIG|XP\_018158883.1 CHIG|XP\_018161805.1 CVIN|KAF4920770.1 CVIN|KAF4923347.1 CVYL|A05390 CVYL|A13838 FGRM|XP\_011316694.1 FGRM|XP\_011321488.1 MORY|QBZ60170.1 NCRA|XP\_965412.2 SSCL|APA09871.1

>Orthogroup1211: BCIN|XP\_024546083.1 CFRU|XP\_031877272.1 CFRU|XP\_031883976.1 CGLO|KAF3798804.1 CGLO|KAF3805012.1 CGLO|KAF3806784.1 CHIG|XP\_018159518.1 CVIN|KAF4914232.1 CVIN|KAF4927132.1 CVYL|A02444 CVYL|A02445 CVYL|A06536 CVYL|A06537 FGRM|XP\_011318071.1 FGRM|XP\_011321798.1 FGRM|XP\_011322537.1 FGRM|XP\_011322978.1 FGRM|XP\_011327371.1

>Orthogroup1212: BCIN|XP\_001549053.2 BCIN|XP\_024546344.1 BGRA|VDB84018.1 CFRU|XP\_031880633.1 CFRU|XP\_031883675.1 CGLO|KAF3800225.1 CGLO|KAF3809930.1 CHIG|XP\_018161509.1 CVIN|KAF4921790.1 CVIN|KAF4930740.1 CVYL|A01694 CVYL|A12401 MGRA|XP\_003850373.1 MGRA|XP\_003852804.1 MLAR|XP\_007413264.1 MLAR|XP\_007413266.1 MORY|QBZ66399.1 NCRA|XP\_959666.2

>Orthogroup1213: BCIN|XP\_001556428.1 CFRU|XP\_031883105.1 CFRU|XP\_031888662.1 CGLO|KAF3808244.1 CHIG|XP\_018160100.1 CHIG|XP\_018163170.1 CHIG|XP\_018163171.1 CVIN|KAF4909569.1 CVIN|KAF4920118.1 CVYL|A00580 CVYL|A03988 MGRA|XP\_003852976.1 MORY|QBZ57840.1 MORY|QBZ62387.1 NCRA|XP\_001728233.2 NCRA|XP\_959287.3 NCRA|XP\_960253.3 SSCL|APA06575.1

>Orthogroup1214: BCIN|XP\_001553248.2 BCIN|XP\_001553925.1 BCIN|XP\_024546716.1 BCIN|XP\_024548201.1 BCIN|XP\_024550573.1 BCIN|XP\_024550775.1 BCIN|XP\_024551404.1 CFRU|XP\_031882580.1 CHIG|XP\_018157686.1 CVIN|KAF4925170.1 FGRM|XP\_011317989.1 MORY|QBZ64075.1 SSCL|APA07787.1 SSCL|APA11369.1 SSCL|APA11371.1 SSCL|APA11629.1 SSCL|APA12063.1 SSCL|APA13120.1

>Orthogroup1215: BCIN|XP\_001548862.1 BCIN|XP\_001560661.1 BCIN|XP\_024549851.1 BGRA|VDB90348.1 CFRU|XP\_031892716.1 CGLO|KAF3797075.1 CVIN|KAF4899032.1 CVIN|KAF4899037.1 CVYL|A10634 FGRM|XP\_011326688.1 MGRA|XP\_003849086.1 MLAR|XP\_007404440.1 MLAR|XP\_007408826.1 MORY|QBZ65419.1 NCRA|XP\_961012.1 SSCL|APA05518.1 SSCL|APA07955.1 SSCL|APA15981.1

>Orthogroup1216: BCIN|XP\_001549870.2 BGRA|VDB93427.1 BGRA|VDB93582.1 BGRA|VDB94916.1 CFRU|XP\_031883026.1 CFRU|XP\_031886978.1 CGLO|KAF3808205.1 CGLO|KAF3811357.1 CHIG|XP\_018160576.1 CHIG|XP\_018163203.1 CVIN|KAF4921025.1 CVIN|KAF4924285.1 CVYL|A00554 CVYL|A04546 MORY|QBZ57002.1 MORY|QBZ63257.1 NCRA|XP\_961512.3 SSCL|APA08242.1

>Orthogroup1217: BCIN|XP\_001552071.1 BCIN|XP\_024547921.1 CFRU|XP\_031877120.1 CFRU|XP\_031880160.1 CGLO|KAF3803978.1 CGLO|KAF3811825.1 CHIG|XP\_018150965.1 CHIG|XP\_018151745.1 CVIN|KAF4924888.1 CVIN|KAF4925185.1 CVYL|A08822 CVYL|A12829 FGRM|XP\_011321902.1 MORY|QBZ58480.1 MORY|QBZ60756.1 NCRA|XP\_957949.1 SSCL|APA08243.1 SSCL|APA09802.1

>Orthogroup1218: BCIN|XP\_001554842.1 BCIN|XP\_024548500.1 CFRU|XP\_031890183.1 CFRU|XP\_031892041.1 CGLO|KAF3801418.1 CHIG|XP\_018165029.1 CVIN|KAF4922330.1 CVIN|KAF4923828.1 CVYL|A07667 FGRM|XP\_011317840.1 FGRM|XP\_011319455.1 FGRM|XP\_011325118.1 MGRA|XP\_003848154.1 MGRA|XP\_003852887.1 MORY|QBZ57875.1 MORY|QBZ62718.1 SSCL|APA06485.1 SSCL|APA06486.1

>Orthogroup1219: BCIN|XP\_001548275.2 BCIN|XP\_001553450.1 BCIN|XP\_001557833.1 CFRU|XP\_031875913.1 CFRU|XP\_031883740.1 CGLO|KAF3807817.1 CGLO|KAF3811945.1 CHIG|XP\_018155132.1 CHIG|XP\_018162983.1 CVIN|KAF4905817.1 CVIN|KAF4921526.1 CVYL|A00784 CVYL|A06118 NCRA|XP\_963160.2 SSCL|APA09106.1 SSCL|APA09883.1 SSCL|APA10899.1 SSCL|APA12124.1

>Orthogroup1220: BCIN|XP\_001559148.1 BCIN|XP\_024548904.1 CFRU|XP\_031882391.1 CFRU|XP\_031884067.1 CFRU|XP\_031891610.1 CGLO|KAF3797471.1 CGLO|KAF3804632.1 CGLO|KAF3807604.1 CVIN|KAF4888953.1 CVIN|KAF4919105.1 CVIN|KAF4928944.1 CVYL|A02878 CVYL|A05252 CVYL|A09897 FGRM|XP\_011321936.1 MORY|QBZ55057.1 MORY|QBZ65129.1 SSCL|APA08954.1

>Orthogroup1221: BCIN|XP\_024549073.1 CFRU|XP\_031875738.1 CFRU|XP\_031881005.1 CFRU|XP\_031889945.1 CGLO|KAF3800415.1 CGLO|KAF3802838.1 CGLO|KAF3802839.1 CHIG|XP\_018158436.1 CHIG|XP\_018161598.1 CVIN|KAF4910480.1 CVIN|KAF4930682.1 CVYL|A01808 CVYL|A05174 FGRM|XP\_011318558.1 FGRM|XP\_011320495.1 FGRM|XP\_011323373.1 MGRA|XP\_003848287.1 MORY|QBZ65296.1

>Orthogroup1222: BCIN|XP\_024549150.1 BCIN|XP\_024550940.1 BCIN|XP\_024552058.1 BGRA|VCU38866.1 BGRA|VCU39041.1 CFRU|XP\_031882916.1 CGLO|KAF3812043.1 CHIG|XP\_018164164.1 CVIN|KAF4923720.1 CVYL|A14222 FGRM|XP\_011325260.1 MLAR|XP\_007406274.1 MLAR|XP\_007414189.1 MORY|QBZ56483.1 NCRA|XP\_964702.3 SSCL|APA08794.1 SSCL|APA11718.1 SSCL|APA12830.1

>Orthogroup1223: BCIN|XP\_001558721.1 CFRU|XP\_031879196.1 CFRU|XP\_031879253.1 CGLO|KAF3807094.1 CHIG|XP\_018162446.1 CHIG|XP\_018162447.1 CVIN|KAF4919067.1 CVYL|A06384 FGRM|XP\_011323301.1 FGRM|XP\_011323302.1 FGRM|XP\_011324411.1 FGRM|XP\_011324955.1 FGRM|XP\_011324956.1 MORY|QBZ56350.1 MORY|QBZ63779.1 MORY|QBZ63780.1 NCRA|XP\_964213.1 NCRA|XP\_964369.1

>Orthogroup1224: BCIN|XP\_024550037.1 BCIN|XP\_024552253.1 CFRU|XP\_031878698.1 CFRU|XP\_031887852.1 CGLO|KAF3797555.1 CGLO|KAF3802188.1 CHIG|XP\_018151113.1 CHIG|XP\_018154314.1 CVIN|KAF4923548.1 CVYL|A03205 CVYL|A08992 FGRM|XP\_011320267.1 MGRA|XP\_003850497.1 MORY|QBZ65883.1 NCRA|XP\_959138.3 NCRA|XP\_961949.1 SSCL|APA05368.1 SSCL|APA13100.1

>Orthogroup1225: BCIN|XP\_001551433.1 CFRU|XP\_031880059.1 CFRU|XP\_031880068.1 CGLO|KAF3811850.1 CVIN|KAF4924863.1 CVYL|A11394 MGRA|XP\_003855275.1 MLAR|XP\_007409287.1 MLAR|XP\_007409330.1 MLAR|XP\_007409331.1 MLAR|XP\_007413475.1 MLAR|XP\_007413573.1 MLAR|XP\_007413574.1 MLAR|XP\_007418151.1 MORY|QBZ54138.1 SSCL|APA10196.1 SSCL|APA12848.1 SSCL|APA12849.1

>Orthogroup1226: BCIN|XP\_024551754.1 BCIN|XP\_024552272.1 CFRU|XP\_031878655.1 CFRU|XP\_031878656.1 CFRU|XP\_031878770.1 CGLO|KAF3797558.1 CGLO|KAF3797567.1 CHIG|XP\_018151106.1 CHIG|XP\_018151108.1 CVIN|KAF4923553.1 CVYL|A08980 CVYL|A08989 FGRM|XP\_011323469.1 MLAR|XP\_007412621.1 MORY|QBZ64591.1 NCRA|XP\_957522.2 SSCL|APA13133.1 SSCL|APA14816.1

>Orthogroup1227: BCIN|XP\_001557978.1 BGRA|VCU39160.1 CFRU|XP\_031875930.1 CFRU|XP\_031877115.1 CGLO|KAF3804001.1 CGLO|KAF3805695.1 CHIG|XP\_018150937.1 CHIG|XP\_018163602.1 CVIN|KAF4891818.1 CVIN|KAF4892303.1 CVIN|KAF4925163.1 CVYL|A08800 CVYL|A09852 FGRM|XP\_011325929.1 MLAR|XP\_007404296.1 MORY|QBZ59430.1 NCRA|XP\_962349.1 SSCL|APA12682.1

>Orthogroup1228: BCIN|XP\_024552383.1 CFRU|XP\_031881836.1 CFRU|XP\_031882884.1 CFRU|XP\_031889647.1 CGLO|KAF3806676.1 CGLO|KAF3809982.1 CGLO|KAF3810516.1 CHIG|XP\_018154090.1 CVIN|KAF4894775.1 CVIN|KAF4905017.1 CVIN|KAF4923721.1 CVYL|A02582 CVYL|A05681 CVYL|A14219 FGRM|XP\_011320631.1 FGRM|XP\_011325917.1 MORY|QBZ60114.1 MORY|QBZ64943.1

>Orthogroup1229: BCIN|XP\_024552463.1 CFRU|XP\_031878476.1 CFRU|XP\_031883364.1 CGLO|KAF3799809.1 CGLO|KAF3800550.1 CHIG|XP\_018152130.1 CHIG|XP\_018153409.1 CVIN|KAF4907997.1 CVIN|KAF4918761.1 CVIN|KAF4923814.1 CVYL|A00231 CVYL|A04785 CVYL|A13167 FGRM|XP\_011315964.1 MORY|QBZ60315.1 MORY|QBZ62392.1 MORY|QBZ64890.1 NCRA|XP\_956031.3

>Orthogroup1230: BCIN|XP\_024552903.1 BGRA|VCU39740.1 CFRU|XP\_031892710.1 CGLO|KAF3809158.1 CHIG|XP\_018155978.1 CHIG|XP\_018155979.1 CVIN|KAF4919810.1 CVIN|KAF4919811.1 CVYL|A01344 CVYL|A01345 FGRM|XP\_011319214.1 FGRM|XP\_011319895.1 MGRA|XP\_003857667.1 MORY|QBZ62465.1 MORY|QBZ62471.1 NCRA|XP\_958670.1 NCRA|XP\_958674.1 SSCL|APA07517.1

>Orthogroup1231: CFRU|XP\_031881140.1 CFRU|XP\_031893297.1 CGLO|KAF3799099.1 CGLO|KAF3809873.1 CHIG|XP\_018157441.1 CHIG|XP\_018161447.1 CVIN|KAF4908257.1 CVIN|KAF4930717.1 CVYL|A01745 CVYL|A09444 FGRM|XP\_011320924.1 MLAR|XP\_007408174.1 MLAR|XP\_007416862.1 MLAR|XP\_007416873.1 MLAR|XP\_007416876.1 MORY|QBZ57171.1 MORY|QBZ65219.1 NCRA|XP\_962708.1

>Orthogroup1232: CFRU|XP\_031875937.1 CFRU|XP\_031876841.1 CFRU|XP\_031881857.1 CFRU|XP\_031882243.1 CFRU|XP\_031882325.1 CFRU|XP\_031885198.1 CFRU|XP\_031886231.1 CFRU|XP\_031886235.1 CFRU|XP\_031886249.1 CFRU|XP\_031886349.1 CFRU|XP\_031889035.1 CFRU|XP\_031889141.1 CFRU|XP\_031889737.1 CFRU|XP\_031891849.1 CFRU|XP\_031891978.1 CFRU|XP\_031892274.1 CHIG|XP\_018157697.1 CVYL|A01020

>Orthogroup1233: CFRU|XP\_031875329.1 CFRU|XP\_031875445.1 CFRU|XP\_031875975.1 CFRU|XP\_031876164.1 CFRU|XP\_031879147.1 CGLO|KAF3807058.1 CGLO|KAF3809500.1 CHIG|XP\_018159720.1 CVIN|KAF4920273.1 CVYL|A06352 CVYL|A10060 FGRM|XP\_011322027.1 FGRM|XP\_011322958.1 FGRM|XP\_011326008.1 FGRM|XP\_011326009.1 MORY|QBZ58507.1 MORY|QBZ61845.1 NCRA|XP\_011394964.1

>Orthogroup1234: CFRU|XP\_031877733.1 CFRU|XP\_031882340.1 CFRU|XP\_031886649.1 CGLO|KAF3797334.1 CGLO|KAF3804312.1 CGLO|KAF3807473.1 CHIG|XP\_018157174.1 CHIG|XP\_018158764.1 CVIN|KAF4905651.1 CVIN|KAF4917663.1 CVIN|KAF4920096.1 CVYL|A03999 CVYL|A10359 FGRM|XP\_011320971.1 MGRA|XP\_003852162.1 MGRA|XP\_003854756.1 MORY|QBZ66281.1 NCRA|XP\_964283.1

>Orthogroup1235: CFRU|XP\_031876356.1 CFRU|XP\_031876357.1 CFRU|XP\_031878131.1 CFRU|XP\_031878512.1 CFRU|XP\_031884139.1 CFRU|XP\_031884826.1 CFRU|XP\_031885285.1 CGLO|KAF3799800.1 CGLO|KAF3801045.1 CGLO|KAF3801881.1 CHIG|XP\_018159379.1 CVIN|KAF4890508.1 CVIN|KAF4892661.1 CVIN|KAF4913598.1 CVYL|A00338 CVYL|A02323 CVYL|A04793 FGRM|XP\_011324198.1

>Orthogroup1236: CFRU|XP\_031878013.1 CFRU|XP\_031889723.1 CFRU|XP\_031891630.1 CGLO|KAF3804606.1 CGLO|KAF3804811.1 CGLO|KAF3805935.1 CHIG|XP\_018151433.1 CHIG|XP\_018158118.1 CHIG|XP\_018161335.1 CVIN|KAF4911892.1 CVIN|KAF4919099.1 CVIN|KAF4926506.1 CVYL|A05274 CVYL|A13442 MGRA|XP\_003854524.1 MORY|QBZ56088.1 NCRA|XP\_959397.2 NCRA|XP\_959461.1

>Orthogroup1237: MLAR|XP\_007404136.1 MLAR|XP\_007404137.1 MLAR|XP\_007404138.1 MLAR|XP\_007404151.1 MLAR|XP\_007405099.1 MLAR|XP\_007410057.1 MLAR|XP\_007410058.1 MLAR|XP\_007410593.1 MLAR|XP\_007410824.1 MLAR|XP\_007414957.1 MLAR|XP\_007414958.1 MLAR|XP\_007415277.1 MLAR|XP\_007415500.1 MLAR|XP\_007415569.1 MLAR|XP\_007415886.1 MLAR|XP\_007415889.1 MLAR|XP\_007417138.1 MLAR|XP\_007418928.1

>Orthogroup1238: MLAR|XP\_007404146.1 MLAR|XP\_007405290.1 MLAR|XP\_007406033.1 MLAR|XP\_007406161.1 MLAR|XP\_007406499.1 MLAR|XP\_007407735.1 MLAR|XP\_007407958.1 MLAR|XP\_007408360.1 MLAR|XP\_007408559.1 MLAR|XP\_007408560.1 MLAR|XP\_007408951.1 MLAR|XP\_007409108.1 MLAR|XP\_007413851.1 MLAR|XP\_007413989.1 MLAR|XP\_007414622.1 MLAR|XP\_007416774.1 MLAR|XP\_007416978.1 MLAR|XP\_007419498.1

>Orthogroup1239: MLAR|XP\_007403718.1 MLAR|XP\_007403911.1 MLAR|XP\_007404875.1 MLAR|XP\_007406470.1 MLAR|XP\_007408047.1 MLAR|XP\_007408048.1 MLAR|XP\_007409472.1 MLAR|XP\_007413191.1 MLAR|XP\_007413192.1 MLAR|XP\_007413193.1 MLAR|XP\_007413626.1 MLAR|XP\_007415047.1 MLAR|XP\_007415902.1 MLAR|XP\_007416751.1 MLAR|XP\_007416762.1 MLAR|XP\_007416779.1 MLAR|XP\_007416782.1 MLAR|XP\_007418239.1

>Orthogroup1240: MLAR|XP\_007404331.1 MLAR|XP\_007405330.1 MLAR|XP\_007406169.1 MLAR|XP\_007406724.1 MLAR|XP\_007407942.1 MLAR|XP\_007407943.1 MLAR|XP\_007410402.1 MLAR|XP\_007410489.1 MLAR|XP\_007411905.1 MLAR|XP\_007412054.1 MLAR|XP\_007412086.1 MLAR|XP\_007412203.1 MLAR|XP\_007412315.1 MLAR|XP\_007412918.1 MLAR|XP\_007416447.1 MLAR|XP\_007416448.1 MLAR|XP\_007418002.1 MLAR|XP\_007418983.1

>Orthogroup1241: MLAR|XP\_007405180.1 MLAR|XP\_007405459.1 MLAR|XP\_007405460.1 MLAR|XP\_007406608.1 MLAR|XP\_007407039.1 MLAR|XP\_007407040.1 MLAR|XP\_007407418.1 MLAR|XP\_007407688.1 MLAR|XP\_007407721.1 MLAR|XP\_007408025.1 MLAR|XP\_007409957.1 MLAR|XP\_007413265.1 MLAR|XP\_007414678.1 MLAR|XP\_007417224.1 MLAR|XP\_007418587.1 MLAR|XP\_007419001.1 MLAR|XP\_007419522.1 MLAR|XP\_007419758.1

>Orthogroup1242: ANID|CBF69562.1 ANID|CBF74888.1 CFRU|XP\_031877953.1 CFRU|XP\_031881511.1 CFRU|XP\_031887449.1 CGLO|KAF3805770.1 CGLO|KAF3807136.1 CGLO|KAF3810960.1 CHIG|XP\_018160937.1 CHIG|XP\_018163650.1 CVIN|KAF4907248.1 CVIN|KAF4920181.1 CVIN|KAF4926625.1 CVYL|A02188 CVYL|A03534 CVYL|A06046 FGRM|XP\_011318255.1

>Orthogroup1243: ANID|CBF70051.1 BCIN|XP\_024547260.1 CFRU|XP\_031878824.1 CFRU|XP\_031888163.1 CGLO|KAF3797616.1 CGLO|KAF3802614.1 CHIG|XP\_018154121.1 CVIN|KAF4911608.1 CVIN|KAF4914248.1 CVYL|A01907 CVYL|A03377 FGRM|XP\_011319428.1 FGRM|XP\_011323197.1 MGRA|XP\_003849934.1 MLAR|XP\_007406881.1 NCRA|XP\_958838.1 SSCL|APA14224.1

>Orthogroup1244: ANID|CBF70110.1 BCIN|XP\_001556258.1 CFRU|XP\_031888476.1 CFRU|XP\_031891403.1 CGLO|KAF3803504.1 CGLO|KAF3804612.1 CHIG|XP\_018161682.1 CHIG|XP\_018164035.1 CVIN|KAF4908047.1 CVIN|KAF4919078.1 CVYL|A05269 CVYL|A14434 FGRM|XP\_011326506.1 MGRA|XP\_003856382.1 MORY|QBZ63468.1 NCRA|XP\_958423.1 SSCL|APA09007.1

>Orthogroup1245: ANID|CBF70259.1 BCIN|XP\_001551170.1 BCIN|XP\_024550041.1 BGRA|VDB96417.1 CFRU|XP\_031876948.1 CGLO|KAF3810697.1 CHIG|XP\_018162463.1 CVIN|KAF4909758.1 CVYL|A07260 FGRM|XP\_011320889.1 FGRM|XP\_011326999.1 MGRA|XP\_003854440.1 MLAR|XP\_007406968.1 MORY|QBZ63835.1 NCRA|XP\_957283.2 SSCL|APA14476.1 SSCL|APA15082.1

>Orthogroup1246: ANID|CBF70486.1 BCIN|XP\_001550879.1 BCIN|XP\_001560996.1 CFRU|XP\_031889375.1 CFRU|XP\_031892168.1 CGLO|KAF3803158.1 CGLO|KAF3809799.1 CHIG|XP\_018155514.1 CVIN|KAF4919311.1 CVIN|KAF4928291.1 CVYL|A01044 CVYL|A06718 FGRM|XP\_011321015.1 MGRA|XP\_003848025.1 MORY|QBZ62249.1 NCRA|XP\_961082.2 SSCL|APA12410.1

>Orthogroup1247: ANID|CBF70745.1 BCIN|XP\_001552634.1 BCIN|XP\_024549045.1 BGRA|VCU39985.1 CFRU|XP\_031882427.1 CFRU|XP\_031882951.1 CGLO|KAF3807543.1 CHIG|XP\_018156392.1 CVIN|KAF4924082.1 CVIN|KAF4928915.1 CVYL|A00645 CVYL|A02940 FGRM|XP\_011318583.1 MGRA|XP\_003851644.1 MORY|QBZ56940.1 NCRA|XP\_011394679.1 SSCL|APA11467.1

>Orthogroup1248: ANID|CBF70791.1 BCIN|XP\_001545642.2 BCIN|XP\_024554071.1 BGRA|VDB93589.1 CFRU|XP\_031886614.1 CGLO|KAF3801232.1 CHIG|XP\_018162614.1 CVIN|KAF4932123.1 CVYL|A07097 FGRM|XP\_011318314.1 FGRM|XP\_011326636.1 MGRA|XP\_003852173.1 MLAR|XP\_007415445.1 MORY|QBZ57484.1 MORY|QBZ62827.1 NCRA|XP\_957232.2 SSCL|APA15093.1

>Orthogroup1249: ANID|CBF70874.1 ANID|CBF75720.1 BCIN|XP\_001549138.1 BGRA|VDB86372.1 CFRU|XP\_031877785.1 CHIG|XP\_018162423.1 CHIG|XP\_018163689.1 CVIN|KAF4916958.1 CVYL|A07294 FGRM|XP\_011318434.1 FGRM|XP\_011323473.1 MGRA|XP\_003849939.1 MLAR|XP\_007415159.1 MORY|QBZ55704.1 NCRA|XP\_958250.2 NCRA|XP\_962923.1 SSCL|APA15323.1

>Orthogroup1250: ANID|CBF70964.1 ANID|CBF73534.1 BCIN|XP\_001553343.1 BGRA|VDB85724.1 CFRU|XP\_031880665.1 CFRU|XP\_031892662.1 CGLO|KAF3797288.1 CGLO|KAF3811182.1 CHIG|XP\_018159505.1 CVIN|KAF4900999.1 CVIN|KAF4931292.1 CVYL|A04345 FGRM|XP\_011323734.1 MGRA|XP\_003855764.1 MORY|QBZ64677.1 NCRA|XP\_960891.2 SSCL|APA15160.1

>Orthogroup1251: ANID|CBF71182.1 BCIN|XP\_024550659.1 BGRA|VDB88166.1 CFRU|XP\_031877934.1 CFRU|XP\_031881687.1 CGLO|KAF3810931.1 CHIG|XP\_018156709.1 CVIN|KAF4909509.1 CVIN|KAF4917760.1 CVYL|A02215 CVYL|A11053 FGRM|XP\_011315791.1 MGRA|XP\_003856184.1 MLAR|XP\_007409540.1 MORY|QBZ66283.1 NCRA|XP\_965073.1 SSCL|APA11489.1

>Orthogroup1252: ANID|CBF71215.1 ANID|CBF78131.1 BCIN|XP\_001556921.1 BCIN|XP\_001558083.1 BCIN|XP\_024549230.1 CFRU|XP\_031881653.1 CGLO|KAF3805357.1 CHIG|XP\_018156754.1 CVIN|KAF4913603.1 CVYL|A11002 MGRA|XP\_003850244.1 MORY|QBZ56245.1 NCRA|XP\_955977.1 NCRA|XP\_958069.2 NCRA|XP\_962392.2 SSCL|APA12941.1 SSCL|APA14637.1

>Orthogroup1253: ANID|CBF71444.1 ANID|CBF82831.1 BCIN|XP\_001557176.1 BCIN|XP\_024547878.1 CFRU|XP\_031877382.1 CGLO|KAF3801509.1 CGLO|KAF3805334.1 CHIG|XP\_018151939.1 CHIG|XP\_018162016.1 CVIN|KAF4916380.1 CVYL|A11724 CVYL|A12622 FGRM|XP\_011318482.1 MGRA|XP\_003849363.1 MORY|QBZ59660.1 NCRA|XP\_962959.3 SSCL|APA08200.1

>Orthogroup1254: ANID|CBF71469.1 ANID|CBF89665.1 BCIN|XP\_001556508.2 BGRA|VDB92965.1 CFRU|XP\_031884348.1 CGLO|KAF3799951.1 CHIG|XP\_018153060.1 CVIN|KAF4903083.1 CVYL|A14192 FGRM|XP\_011323505.1 MGRA|XP\_003851199.1 MLAR|XP\_007404810.1 MLAR|XP\_007405817.1 MORY|QBZ60189.1 MORY|QBZ63319.1 NCRA|XP\_964395.3 SSCL|APA06512.1

>Orthogroup1255: ANID|CBF71478.1 BCIN|XP\_024548969.1 CFRU|XP\_031884288.1 CFRU|XP\_031888851.1 CGLO|KAF3799333.1 CGLO|KAF3799971.1 CHIG|XP\_018157912.1 CHIG|XP\_018159931.1 CVIN|KAF4924777.1 CVIN|KAF4926929.1 CVYL|A04319 CVYL|A10188 FGRM|XP\_011328831.1 MGRA|XP\_003848173.1 MORY|QBZ56514.1 NCRA|XP\_962345.1 SSCL|APA09544.1

>Orthogroup1256: ANID|CBF71661.1 ANID|CBF78853.1 ANID|CBF88841.1 BCIN|XP\_024546070.1 CFRU|XP\_031889524.1 CHIG|XP\_018151809.1 CHIG|XP\_018159014.1 CVIN|KAF4914204.1 CVIN|KAF4918309.1 CVYL|A13668 FGRM|XP\_011316587.1 FGRM|XP\_011318164.1 MGRA|XP\_003856601.1 MLAR|XP\_007415791.1 MORY|QBZ57348.1 MORY|QBZ65312.1 SSCL|APA07232.1

>Orthogroup1257: ANID|CBF73719.1 ANID|CBF89998.1 BCIN|XP\_001554495.1 CFRU|XP\_031878046.1 CFRU|XP\_031889011.1 CGLO|KAF3799620.1 CGLO|KAF3804191.1 CHIG|XP\_018154623.1 CVIN|KAF4918403.1 CVIN|KAF4926490.1 CVYL|A03867 CVYL|A13482 FGRM|XP\_011317257.1 FGRM|XP\_011327464.1 MGRA|XP\_003857020.1 NCRA|XP\_956954.3 SSCL|APA11837.1

>Orthogroup1258: ANID|CBF73805.1 ANID|CBF78316.1 ANID|CBF86057.1 CFRU|XP\_031887828.1 CFRU|XP\_031891620.1 CGLO|KAF3797927.1 CGLO|KAF3802072.1 CHIG|XP\_018157909.1 CHIG|XP\_018161600.1 CVIN|KAF4907824.1 CVIN|KAF4917990.1 CVYL|A03314 CVYL|A05362 FGRM|XP\_011320439.1 FGRM|XP\_011322919.1 MGRA|XP\_003850348.1 NCRA|XP\_961045.1

>Orthogroup1259: ANID|CBF73841.1 BCIN|XP\_001551558.2 CFRU|XP\_031887923.1 CFRU|XP\_031892740.1 CGLO|KAF3797065.1 CGLO|KAF3802139.1 CHIG|XP\_018154292.1 CVIN|KAF4899034.1 CVIN|KAF4912438.1 CVYL|A03254 CVYL|A10639 FGRM|XP\_011320062.1 MGRA|XP\_003853294.1 MLAR|XP\_007405797.1 MORY|QBZ66055.1 NCRA|XP\_964200.2 SSCL|APA11891.1

>Orthogroup1260: ANID|CBF73978.1 ANID|CBF85245.1 BCIN|XP\_001545678.1 BGRA|VCU39305.1 CFRU|XP\_031890778.1 CGLO|KAF3811712.1 CHIG|XP\_018151851.1 CHIG|XP\_018159690.1 CVYL|A12725 FGRM|XP\_011319486.1 FGRM|XP\_011324343.1 MGRA|XP\_003853953.1 MLAR|XP\_007406210.1 MORY|QBZ61739.1 MORY|QBZ63081.1 NCRA|XP\_959420.3 SSCL|APA13770.1

>Orthogroup1261: ANID|CBF74068.1 BCIN|XP\_001553786.1 BCIN|XP\_024547486.1 BGRA|VCU40916.1 CFRU|XP\_031888924.1 CGLO|KAF3799207.1 CHIG|XP\_018159824.1 CVIN|KAF4909304.1 CVYL|A10102 FGRM|XP\_011324455.1 MGRA|XP\_003848552.1 MGRA|XP\_003850310.1 MLAR|XP\_007405065.1 MORY|QBZ59129.1 MORY|QBZ59370.1 NCRA|XP\_958695.3 SSCL|APA05232.1

>Orthogroup1262: ANID|CBF74093.1 ANID|CBF84292.1 ANID|CBF90103.1 CFRU|XP\_031878696.1 CFRU|XP\_031881544.1 CFRU|XP\_031891399.1 CGLO|KAF3798364.1 CGLO|KAF3804590.1 CGLO|KAF3805353.1 CVIN|KAF4913610.1 CVIN|KAF4923080.1 CVIN|KAF4923574.1 CVYL|A05288 CVYL|A09001 CVYL|A10996 FGRM|XP\_011328595.1 NCRA|XP\_960255.2

>Orthogroup1263: ANID|CBF74258.1 BCIN|XP\_001558810.1 BGRA|VDB93927.1 CFRU|XP\_031881778.1 CFRU|XP\_031884951.1 CGLO|KAF3800643.1 CGLO|KAF3812191.1 CHIG|XP\_018152041.1 CVIN|KAF4922012.1 CVYL|A00197 CVYL|A13073 FGRM|XP\_011317223.1 MGRA|XP\_003854822.1 MLAR|XP\_007410903.1 MORY|QBZ57313.1 NCRA|XP\_011393486.1 SSCL|APA05968.1

>Orthogroup1264: ANID|CBF74287.1 BCIN|XP\_001546482.1 BCIN|XP\_024547437.1 BCIN|XP\_024549572.1 CFRU|XP\_031886926.1 CFRU|XP\_031893037.1 CGLO|KAF3808405.1 CGLO|KAF3811381.1 CHIG|XP\_018152490.1 CHIG|XP\_018160616.1 CVIN|KAF4921013.1 FGRM|XP\_011327202.1 MORY|QBZ58050.1 NCRA|XP\_011394676.1 SSCL|APA08404.1 SSCL|APA13951.1 SSCL|APA15971.1

>Orthogroup1265: ANID|CBF74711.1 ANID|CBF86684.1 CFRU|XP\_031881407.1 CFRU|XP\_031887288.1 CFRU|XP\_031888816.1 CGLO|KAF3800711.1 CGLO|KAF3804225.1 CGLO|KAF3805773.1 CHIG|XP\_018163664.1 CVIN|KAF4924199.1 CVIN|KAF4926630.1 CVIN|KAF4930088.1 CVYL|A00492 CVYL|A01525 CVYL|A03901 FGRM|XP\_011318705.1 FGRM|XP\_011328724.1

>Orthogroup1266: ANID|CBF74807.1 ANID|CBF85073.1 BCIN|XP\_001559926.2 CFRU|XP\_031890557.1 CGLO|KAF3798131.1 CGLO|KAF3800620.1 CHIG|XP\_018151763.1 CHIG|XP\_018158642.1 CVIN|KAF4926014.1 CVYL|A13977 FGRM|XP\_011316424.1 FGRM|XP\_011320896.1 MGRA|XP\_003851388.1 MORY|QBZ62609.1 NCRA|XP\_964012.1 SSCL|APA06321.1 SSCL|APA09763.1

>Orthogroup1267: ANID|CBF74809.1 ANID|CBF84879.1 ANID|CBF85054.1 BCIN|XP\_024546949.1 BGRA|VDB93702.1 CFRU|XP\_031882942.1 CGLO|KAF3803379.1 CHIG|XP\_018163951.1 CVIN|KAF4918429.1 CVYL|A14306 FGRM|XP\_011316199.1 MGRA|XP\_003856319.1 MGRA|XP\_003857345.1 MGRA|XP\_003857752.1 MORY|QBZ62771.1 NCRA|XP\_965150.1 SSCL|APA05781.1

>Orthogroup1268: ANID|CBF74973.1 ANID|CBF85378.1 BCIN|XP\_001560974.1 BCIN|XP\_024553582.1 BGRA|VDB94466.1 CFRU|XP\_031879517.1 CHIG|XP\_018159163.1 CVIN|KAF4920438.1 CVYL|A08001 FGRM|XP\_011327313.1 MGRA|XP\_003853088.1 MGRA|XP\_003856170.1 MLAR|XP\_007418022.1 MORY|QBZ57803.1 NCRA|XP\_959621.1 SSCL|APA06708.1 SSCL|APA08438.1

>Orthogroup1269: ANID|CBF75100.1 ANID|CBF88701.1 BCIN|XP\_024550925.1 BGRA|VDB88815.1 BGRA|VDB88823.1 CFRU|XP\_031883532.1 CGLO|KAF3811947.1 CHIG|XP\_018155134.1 CVIN|KAF4905813.1 CVYL|A06116 FGRM|XP\_011322503.1 MGRA|XP\_003850801.1 MGRA|XP\_003853380.1 MGRA|XP\_003853787.1 MLAR|XP\_007412449.1 MORY|QBZ61786.1 SSCL|APA11816.1

>Orthogroup1270: ANID|CBF75113.1 BCIN|XP\_024553312.1 BGRA|VDB90889.1 CFRU|XP\_031888400.1 CGLO|KAF3803690.1 CHIG|XP\_018163763.1 CVIN|KAF4928527.1 CVYL|A14621 FGRM|XP\_011316036.1 MGRA|XP\_003847251.1 MGRA|XP\_003851452.1 MLAR|XP\_007404008.1 MLAR|XP\_007418640.1 MORY|QBZ55308.1 MORY|QBZ60110.1 NCRA|XP\_011393271.1 SSCL|APA13622.1

>Orthogroup1271: ANID|CBF75150.1 BCIN|XP\_001555771.1 CFRU|XP\_031883457.1 CFRU|XP\_031886654.1 CGLO|KAF3800217.1 CGLO|KAF3802654.1 CHIG|XP\_018155122.1 CHIG|XP\_018162506.1 CVIN|KAF4920417.1 CVIN|KAF4932096.1 CVYL|A06069 CVYL|A07140 FGRM|XP\_011322031.1 MORY|QBZ64017.1 MORY|QBZ64988.1 NCRA|XP\_956163.1 SSCL|APA10129.1

>Orthogroup1272: ANID|CBF75254.1 BCIN|XP\_001553457.1 BCIN|XP\_024548883.1 BCIN|XP\_024549205.1 BGRA|VDB89261.1 CFRU|XP\_031882150.1 CGLO|KAF3804454.1 CHIG|XP\_018160281.1 CVIN|KAF4930912.1 CVYL|A04165 FGRM|XP\_011324512.1 MGRA|XP\_003850585.1 MGRA|XP\_003851659.1 MLAR|XP\_007409083.1 NCRA|XP\_960749.1 SSCL|APA09408.1 SSCL|APA15736.1

>Orthogroup1273: ANID|CBF75358.1 ANID|CBF80336.1 BCIN|XP\_024550503.1 BCIN|XP\_024551066.1 BGRA|VDB94546.1 CFRU|XP\_031875592.1 CGLO|KAF3804760.1 CHIG|XP\_018159835.1 CHIG|XP\_018161815.1 CVIN|KAF4926131.1 CVYL|A11567 FGRM|XP\_011318531.1 MGRA|XP\_003857360.1 MLAR|XP\_007415750.1 NCRA|XP\_962855.1 SSCL|APA11223.1 SSCL|APA12010.1

>Orthogroup1274: ANID|CBF75853.1 ANID|CBF82166.1 ANID|CBF89839.1 BCIN|XP\_001555213.1 BGRA|VDB90951.1 CFRU|XP\_031882860.1 CGLO|KAF3806659.1 CHIG|XP\_018164207.1 CVIN|KAF4923682.1 CVYL|A14202 FGRM|XP\_011316013.1 MGRA|XP\_003852388.1 MGRA|XP\_003853936.1 MLAR|XP\_007417327.1 MORY|QBZ55532.1 NCRA|XP\_964317.1 SSCL|APA09195.1

>Orthogroup1275: ANID|CBF76032.1 ANID|CBF77193.1 CFRU|XP\_031876823.1 CFRU|XP\_031884312.1 CFRU|XP\_031892911.1 CGLO|KAF3799933.1 CGLO|KAF3808133.1 CVIN|KAF4906997.1 CVIN|KAF4909740.1 CVYL|A08103 FGRM|XP\_011322692.1 MGRA|XP\_003849757.1 MGRA|XP\_003856986.1 MLAR|XP\_007405578.1 MLAR|XP\_007405794.1 MORY|QBZ65198.1 NCRA|XP\_962222.1

>Orthogroup1276: ANID|CBF76040.1 ANID|CBF76804.1 BCIN|XP\_024549189.1 BGRA|VDB86313.1 CFRU|XP\_031881661.1 CGLO|KAF3807430.1 CHIG|XP\_018156796.1 CVIN|KAF4918519.1 CVYL|A10934 FGRM|XP\_011328306.1 MGRA|XP\_003847564.1 MGRA|XP\_003849734.1 MLAR|XP\_007403721.1 MLAR|XP\_007412221.1 MORY|QBZ66195.1 NCRA|XP\_965225.3 SSCL|APA15719.1

>Orthogroup1277: ANID|CBF76074.1 ANID|CBF82164.1 BCIN|XP\_024545997.1 CFRU|XP\_031876667.1 CFRU|XP\_031883695.1 CFRU|XP\_031889613.1 CFRU|XP\_031890694.1 CGLO|KAF3806751.1 CGLO|KAF3810843.1 CHIG|XP\_018154979.1 CVIN|KAF4911118.1 CVIN|KAF4919512.1 CVIN|KAF4924657.1 CVYL|A02297 CVYL|A13812 FGRM|XP\_011322989.1 NCRA|XP\_956311.2

>Orthogroup1278: ANID|CBF76199.1 ANID|CBF77110.1 ANID|CBF80606.1 BCIN|XP\_001547922.1 BCIN|XP\_001549591.1 CFRU|XP\_031876358.1 CFRU|XP\_031879226.1 CGLO|KAF3807034.1 CGLO|KAF3811868.1 CHIG|XP\_018155184.1 CHIG|XP\_018159709.1 CVIN|KAF4920281.1 CVIN|KAF4920566.1 CVYL|A06192 CVYL|A06328 FGRM|XP\_011320136.1 SSCL|APA05309.1

>Orthogroup1279: ANID|CBF76382.1 BCIN|XP\_024551796.1 BGRA|VDB95066.1 CFRU|XP\_031883398.1 CGLO|KAF3801687.1 CHIG|XP\_018159201.1 CVIN|KAF4895617.1 CVYL|A12450 FGRM|XP\_011320291.1 MGRA|XP\_003847206.1 MGRA|XP\_003854713.1 MLAR|XP\_007409895.1 MLAR|XP\_007413215.1 MLAR|XP\_007415893.1 MORY|QBZ53866.1 NCRA|XP\_960299.1 SSCL|APA14652.1

>Orthogroup1280: ANID|CBF76577.1 ANID|CBF88428.1 BCIN|XP\_024547918.1 BCIN|XP\_024553709.1 BGRA|VDB93357.1 CFRU|XP\_031892996.1 CGLO|KAF3809676.1 CHIG|XP\_018152508.1 CVIN|KAF4925005.1 CVYL|A09596 FGRM|XP\_011318637.1 FGRM|XP\_011322347.1 MGRA|XP\_003848637.1 MLAR|XP\_007415323.1 MORY|QBZ54847.1 SSCL|APA08241.1 SSCL|APA15102.1

>Orthogroup1281: ANID|CBF76880.1 ANID|CBF77410.1 ANID|CBF79709.1 BCIN|XP\_024548709.1 BGRA|VDB83897.1 CFRU|XP\_031889942.1 CFRU|XP\_031890564.1 CGLO|KAF3798129.1 CHIG|XP\_018158644.1 CVIN|KAF4926016.1 CVYL|A13979 FGRM|XP\_011316425.1 FGRM|XP\_011325213.1 MGRA|XP\_003857740.1 MORY|QBZ62586.1 NCRA|XP\_011392932.1 SSCL|APA09975.1

>Orthogroup1282: ANID|CBF76891.1 BCIN|XP\_024548738.1 BCIN|XP\_024549745.1 CFRU|XP\_031890417.1 CFRU|XP\_031892717.1 CGLO|KAF3804798.1 CGLO|KAF3812257.1 CHIG|XP\_018164292.1 CVIN|KAF4919932.1 CVIN|KAF4929754.1 CVYL|A00130 CVYL|A12273 FGRM|XP\_011316297.1 MGRA|XP\_003855347.1 MORY|QBZ65944.1 NCRA|XP\_957042.1 SSCL|APA05678.1

>Orthogroup1283: ANID|CBF76942.1 BCIN|XP\_001552125.2 BCIN|XP\_024550428.1 BGRA|VDB85956.1 CFRU|XP\_031880444.1 CGLO|KAF3807267.1 CHIG|XP\_018156472.1 CHIG|XP\_018156936.1 CVIN|KAF4928131.1 CVYL|A10749 FGRM|XP\_011320008.1 FGRM|XP\_011322519.1 MGRA|XP\_003854268.1 MLAR|XP\_007415246.1 MORY|QBZ66174.1 NCRA|XP\_011392945.1 SSCL|APA11117.1

>Orthogroup1284: ANID|CBF77039.1 BCIN|XP\_024550319.1 BGRA|VDB85674.1 CFRU|XP\_031881618.1 CGLO|KAF3807392.1 CHIG|XP\_018156824.1 CHIG|XP\_018161097.1 CVIN|KAF4929603.1 CVYL|A10885 FGRM|XP\_011328319.1 MGRA|XP\_003854130.1 MLAR|XP\_007403503.1 MLAR|XP\_007403747.1 MLAR|XP\_007403941.1 MORY|QBZ65583.1 NCRA|XP\_965058.2 SSCL|APA10987.1

>Orthogroup1285: ANID|CBF77079.1 BCIN|XP\_001547527.1 CFRU|XP\_031883835.1 CFRU|XP\_031884395.1 CGLO|KAF3799089.1 CGLO|KAF3805680.1 CHIG|XP\_018158838.1 CHIG|XP\_018163560.1 CVIN|KAF4918236.1 CVIN|KAF4920660.1 CVYL|A09870 CVYL|A11441 MGRA|XP\_003848663.1 MGRA|XP\_003850050.1 MORY|QBZ60669.1 MORY|QBZ61634.1 SSCL|APA10822.1

>Orthogroup1286: ANID|CBF77167.1 BCIN|XP\_001552712.1 CFRU|XP\_031877924.1 CFRU|XP\_031879687.1 CGLO|KAF3798186.1 CGLO|KAF3810920.1 CHIG|XP\_018154064.1 CVIN|KAF4909531.1 CVIN|KAF4919137.1 CVYL|A02224 CVYL|A04937 FGRM|XP\_011325441.1 MGRA|XP\_003851838.1 MLAR|XP\_007418037.1 MORY|QBZ64325.1 NCRA|XP\_959940.1 SSCL|APA14094.1

>Orthogroup1287: ANID|CBF77404.1 ANID|CBF79835.1 ANID|CBF84699.1 BCIN|XP\_024552626.1 CFRU|XP\_031890988.1 CFRU|XP\_031891834.1 CGLO|KAF3809784.1 CHIG|XP\_018151936.1 CHIG|XP\_018164964.1 CVIN|KAF4898144.1 CVIN|KAF4915177.1 CVYL|A06705 CVYL|A12617 FGRM|XP\_011320408.1 MGRA|XP\_003850489.1 MORY|QBZ58645.1 SSCL|APA08707.1

>Orthogroup1288: ANID|CBF77408.1 BCIN|XP\_024548972.1 CFRU|XP\_031884520.1 CFRU|XP\_031891774.1 CGLO|KAF3799689.1 CGLO|KAF3801391.1 CHIG|XP\_018158280.1 CHIG|XP\_018164779.1 CVIN|KAF4907804.1 CVIN|KAF4919970.1 CVYL|A05853 CVYL|A07693 FGRM|XP\_011321859.1 MGRA|XP\_003850235.1 MLAR|XP\_007416956.1 NCRA|XP\_965559.3 SSCL|APA09540.1

>Orthogroup1289: ANID|CBF77686.1 BCIN|XP\_001554783.1 BCIN|XP\_024548369.1 CFRU|XP\_031887992.1 CGLO|KAF3802077.1 CHIG|XP\_018154222.1 CVIN|KAF4917988.1 CVYL|A03309 FGRM|XP\_011315916.1 MGRA|XP\_003847817.1 MLAR|XP\_007414660.1 MLAR|XP\_007414661.1 MLAR|XP\_007414662.1 MORY|QBZ66381.1 NCRA|XP\_964557.2 SSCL|APA12344.1 SSCL|APA15504.1

>Orthogroup1290: ANID|CBF78167.1 BCIN|XP\_024548467.1 BCIN|XP\_024551101.1 BGRA|VDB93143.1 CFRU|XP\_031887871.1 CGLO|KAF3802292.1 CHIG|XP\_018154392.1 CVIN|KAF4924417.1 CVYL|A10585 FGRM|XP\_011319778.1 MGRA|XP\_003852925.1 MGRA|XP\_003856045.1 MLAR|XP\_007406307.1 MORY|QBZ65735.1 NCRA|XP\_001728551.2 SSCL|APA12048.1 SSCL|APA12194.1

>Orthogroup1291: ANID|CBF78354.1 BCIN|XP\_001550362.1 CFRU|XP\_031880115.1 CFRU|XP\_031887614.1 CGLO|KAF3803180.1 CGLO|KAF3811793.1 CHIG|XP\_018161020.1 CVIN|KAF4920230.1 CVIN|KAF4924922.1 CVYL|A03610 FGRM|XP\_011327872.1 MGRA|XP\_003854705.1 MGRA|XP\_003855292.1 MORY|QBZ58835.1 NCRA|XP\_960072.3 NCRA|XP\_961817.1 SSCL|APA10057.1

>Orthogroup1292: ANID|CBF78392.1 ANID|CBF87939.1 BCIN|XP\_024553124.1 CFRU|XP\_031879760.1 CGLO|KAF3798217.1 CGLO|KAF3802568.1 CHIG|XP\_018153942.1 CVIN|KAF4916805.1 CVYL|A04904 FGRM|XP\_011319880.1 MGRA|XP\_003857502.1 MORY|QBZ63598.1 MORY|QBZ63778.1 MORY|QBZ64339.1 NCRA|XP\_959092.1 NCRA|XP\_959480.1 SSCL|APA16348.1

>Orthogroup1293: ANID|CBF78889.1 BCIN|XP\_001546241.1 BCIN|XP\_024547799.1 CFRU|XP\_031887444.1 CGLO|KAF3809189.1 CHIG|XP\_018161180.1 CVIN|KAF4925308.1 CVYL|A01377 FGRM|XP\_011319062.1 MGRA|XP\_003851560.1 MGRA|XP\_003857580.1 MLAR|XP\_007405904.1 MORY|QBZ62504.1 NCRA|XP\_956106.1 NCRA|XP\_960687.1 SSCL|APA08069.1 SSCL|APA12540.1

>Orthogroup1294: ANID|CBF78949.1 BCIN|XP\_001545681.1 CFRU|XP\_031876284.1 CFRU|XP\_031888077.1 CFRU|XP\_031890017.1 CGLO|KAF3798261.1 CGLO|KAF3802030.1 CGLO|KAF3805991.1 CHIG|XP\_018154144.1 CVIN|KAF4910505.1 CVIN|KAF4916929.1 CVIN|KAF4925714.1 CVYL|A03359 CVYL|A07525 CVYL|A09244 FGRM|XP\_011320897.1 FGRM|XP\_011326033.1

>Orthogroup1295: ANID|CBF79061.1 BCIN|XP\_001545846.2 BGRA|VCU40682.1 CFRU|XP\_031876725.1 CGLO|KAF3798692.1 CHIG|XP\_018157464.1 CVIN|KAF4918473.1 CVYL|A09430 FGRM|XP\_011328064.1 MGRA|XP\_003852500.1 MLAR|XP\_007408152.1 MLAR|XP\_007408154.1 MLAR|XP\_007413832.1 MLAR|XP\_007419264.1 MORY|QBZ58893.1 NCRA|XP\_962039.1 SSCL|APA05506.1

>Orthogroup1296: ANID|CBF79132.1 ANID|CBF81400.1 ANID|CBF83110.1 ANID|CBF85091.1 BCIN|XP\_001553434.2 BCIN|XP\_024546788.1 BCIN|XP\_024546847.1 BCIN|XP\_024547790.1 BCIN|XP\_024551743.1 FGRM|XP\_011320751.1 FGRM|XP\_011320937.1 FGRM|XP\_011327588.1 MGRA|XP\_003856754.1 MORY|QBZ63557.1 SSCL|APA06040.1 SSCL|APA14516.1 SSCL|APA14610.1

>Orthogroup1297: ANID|CBF79423.1 ANID|CBF84304.1 BCIN|XP\_001549109.1 BGRA|VDB91036.1 CFRU|XP\_031882757.1 CGLO|KAF3803433.1 CHIG|XP\_018164098.1 CVIN|KAF4926284.1 CVYL|A14361 FGRM|XP\_011316174.1 FGRM|XP\_011322774.1 MGRA|XP\_003851743.1 MLAR|XP\_007411439.1 MLAR|XP\_007418887.1 MORY|QBZ54603.1 NCRA|XP\_011392962.1 SSCL|APA06237.1

>Orthogroup1298: ANID|CBF79523.1 BCIN|XP\_024552040.1 BGRA|VCU39252.1 CFRU|XP\_031879624.1 CFRU|XP\_031887696.1 CGLO|KAF3802719.1 CGLO|KAF3803219.1 CHIG|XP\_018161071.1 CVIN|KAF4910767.1 CVIN|KAF4928719.1 CVYL|A03649 CVYL|A08046 FGRM|XP\_011324209.1 MGRA|XP\_003849595.1 MLAR|XP\_007416470.1 NCRA|XP\_962630.3 SSCL|APA12819.1

>Orthogroup1299: ANID|CBF79817.1 ANID|CBF82384.1 BCIN|XP\_001553727.2 BGRA|VDB93813.1 CFRU|XP\_031880931.1 CFRU|XP\_031888637.1 CGLO|KAF3804268.1 CGLO|KAF3806912.1 CHIG|XP\_018151036.1 CHIG|XP\_018159594.1 CVIN|KAF4909053.1 CVYL|A02555 CVYL|A03950 FGRM|XP\_011320912.1 MORY|QBZ53961.1 MORY|QBZ55173.1 SSCL|APA13509.1

>Orthogroup1300: ANID|CBF79824.1 BCIN|XP\_024549463.1 BCIN|XP\_024553669.1 BGRA|VDB90868.1 CFRU|XP\_031888267.1 CGLO|KAF3803509.1 CHIG|XP\_018164040.1 CVIN|KAF4908035.1 CVYL|A14439 FGRM|XP\_011326524.1 FGRM|XP\_011328717.1 MGRA|XP\_003848819.1 MGRA|XP\_003856885.1 MLAR|XP\_007414156.1 MORY|QBZ62806.1 NCRA|XP\_011393160.1 SSCL|APA09197.1

>Orthogroup1301: ANID|CBF79919.1 ANID|CBF83166.1 CFRU|XP\_031878746.1 CFRU|XP\_031884458.1 CFRU|XP\_031884902.1 CGLO|KAF3798368.1 CGLO|KAF3799737.1 CGLO|KAF3812096.1 CHIG|XP\_018153254.1 CHIG|XP\_018155478.1 CVIN|KAF4899559.1 CVIN|KAF4918117.1 CVIN|KAF4923570.1 CVYL|A00302 CVYL|A09005 CVYL|A11355 FGRM|XP\_011322525.1

>Orthogroup1302: ANID|CBF80011.1 BCIN|XP\_001555699.1 BGRA|VDB87636.1 CFRU|XP\_031893565.1 CGLO|KAF3808094.1 CHIG|XP\_018152796.1 CVIN|KAF4920631.1 CVYL|A08138 FGRM|XP\_011317980.1 MGRA|XP\_003849896.1 MLAR|XP\_007407375.1 MLAR|XP\_007407376.1 MLAR|XP\_007414674.1 MLAR|XP\_007418668.1 MORY|QBZ55024.1 NCRA|XP\_960763.2 SSCL|APA10097.1

>Orthogroup1303: ANID|CBF80048.1 ANID|CBF87941.1 BCIN|XP\_001552663.1 CFRU|XP\_031889388.1 CFRU|XP\_031893362.1 CGLO|KAF3808068.1 CGLO|KAF3808760.1 CHIG|XP\_018155662.1 CVIN|KAF4906972.1 CVIN|KAF4922796.1 CVYL|A00902 CVYL|A08165 FGRM|XP\_011319167.1 MORY|QBZ58907.1 NCRA|XP\_960801.1 SSCL|APA10704.1 SSCL|APA11481.1

>Orthogroup1304: ANID|CBF80123.1 CFRU|XP\_031884148.1 CFRU|XP\_031889684.1 CFRU|XP\_031889685.1 CGLO|KAF3803801.1 CGLO|KAF3810611.1 CGLO|KAF3810612.1 CHIG|XP\_018153054.1 CHIG|XP\_018158957.1 CVIN|KAF4908280.1 CVIN|KAF4917921.1 CVYL|A13694 CVYL|A14173 FGRM|XP\_011320945.1 MORY|QBZ60006.1 MORY|QBZ63364.1 NCRA|XP\_958650.2

>Orthogroup1305: ANID|CBF80709.1 ANID|CBF88647.1 BCIN|XP\_001561218.1 BCIN|XP\_024546423.1 BGRA|VCU39837.1 CFRU|XP\_031881911.1 CGLO|KAF3810002.1 CHIG|XP\_018157730.1 CVIN|KAF4913010.1 CVYL|A02603 FGRM|XP\_011318319.1 FGRM|XP\_011322237.1 FGRM|XP\_011325388.1 MGRA|XP\_003856151.1 MORY|QBZ61176.1 SSCL|APA07083.1 SSCL|APA07176.1

>Orthogroup1306: ANID|CBF80727.1 ANID|CBF89572.1 BCIN|XP\_024547947.1 CFRU|XP\_031883260.1 CFRU|XP\_031884622.1 CGLO|KAF3801741.1 CGLO|KAF3810321.1 CHIG|XP\_018151716.1 CHIG|XP\_018159254.1 CVIN|KAF4897305.1 CVIN|KAF4922930.1 CVYL|A05779 CVYL|A12960 FGRM|XP\_011322943.1 FGRM|XP\_011325822.1 MLAR|XP\_007418202.1 NCRA|XP\_011395340.1

>Orthogroup1307: ANID|CBF80864.1 BCIN|XP\_001552617.1 BGRA|VCU39565.1 CFRU|XP\_031892712.1 CGLO|KAF3809165.1 CHIG|XP\_018155987.1 CVIN|KAF4919808.1 CVYL|A01352 FGRM|XP\_011318967.1 MGRA|XP\_003847800.1 MLAR|XP\_007407875.1 MLAR|XP\_007414423.1 MLAR|XP\_007414424.1 MLAR|XP\_007414425.1 MORY|QBZ57453.1 NCRA|XP\_961530.3 SSCL|APA11455.1

>Orthogroup1308: ANID|CBF81043.1 BCIN|XP\_001558307.1 CFRU|XP\_031883233.1 CFRU|XP\_031889055.1 CGLO|KAF3799367.1 CGLO|KAF3800569.1 CHIG|XP\_018152112.1 CVIN|KAF4910714.1 CVIN|KAF4927069.1 CVYL|A04652 CVYL|A13146 FGRM|XP\_011327688.1 MGRA|XP\_003855492.1 MLAR|XP\_007409378.1 MORY|QBZ60323.1 NCRA|XP\_956038.1 SSCL|APA13688.1

>Orthogroup1309: ANID|CBF81237.1 ANID|CBF81239.1 BCIN|XP\_024546456.1 BGRA|VDB90574.1 BGRA|VDB90575.1 CFRU|XP\_031884327.1 CFRU|XP\_031884328.1 CGLO|KAF3803757.1 CHIG|XP\_018153153.1 CVIN|KAF4912465.1 CVYL|A14137 FGRM|XP\_011326514.1 MORY|QBZ59751.1 NCRA|XP\_001728418.2 NCRA|XP\_001728419.1 SSCL|APA07132.1 SSCL|APA07133.1

>Orthogroup1310: ANID|CBF81279.1 BCIN|XP\_024548179.1 BGRA|VDB93080.1 CFRU|XP\_031876176.1 CFRU|XP\_031890939.1 CGLO|KAF3801565.1 CHIG|XP\_018151988.1 CHIG|XP\_018163335.1 CVIN|KAF4921096.1 CVYL|A12569 FGRM|XP\_011319465.1 MGRA|XP\_003848146.1 MLAR|XP\_007410554.1 MLAR|XP\_007413139.1 MORY|QBZ61902.1 NCRA|XP\_959562.3 SSCL|APA12430.1

>Orthogroup1311: ANID|CBF81492.1 ANID|CBF90013.1 BCIN|XP\_001557689.2 BGRA|VCU40940.1 CFRU|XP\_031882361.1 CGLO|KAF3807585.1 CHIG|XP\_018156349.1 CVIN|KAF4928903.1 CVYL|A02896 FGRM|XP\_011319222.1 MGRA|XP\_003857623.1 MLAR|XP\_007405337.1 MLAR|XP\_007406557.1 MORY|QBZ62168.1 NCRA|XP\_956548.2 SSCL|APA12228.1 SSCL|APA13184.1

>Orthogroup1312: ANID|CBF81543.1 BCIN|XP\_024553092.1 BGRA|VCU39706.1 CFRU|XP\_031878676.1 CFRU|XP\_031883485.1 CGLO|KAF3811940.1 CHIG|XP\_018155131.1 CVIN|KAF4908655.1 CVIN|KAF4923582.1 CVYL|A06126 CVYL|A08975 FGRM|XP\_011317372.1 MGRA|XP\_003852163.1 MLAR|XP\_007412870.1 NCRA|XP\_956456.2 SSCL|APA16024.1 SSCL|APA16305.1

>Orthogroup1313: ANID|CBF81585.1 BCIN|XP\_001546470.1 CFRU|XP\_031880197.1 CFRU|XP\_031886844.1 CGLO|KAF3809027.1 CHIG|XP\_018155858.1 CHIG|XP\_018163061.1 CVIN|KAF4918003.1 CVIN|KAF4921041.1 CVYL|A01603 CVYL|A04539 FGRM|XP\_011316003.1 MGRA|XP\_003850039.1 MLAR|XP\_007415638.1 MORY|QBZ60303.1 NCRA|XP\_961095.2 SSCL|APA08296.1

>Orthogroup1314: ANID|CBF81619.1 BCIN|XP\_024548763.1 BGRA|VDB89565.1 CFRU|XP\_031879480.1 CFRU|XP\_031884182.1 CGLO|KAF3802382.1 CGLO|KAF3803774.1 CHIG|XP\_018154696.1 CVIN|KAF4917910.1 CVIN|KAF4922169.1 CVYL|A13525 CVYL|A14152 FGRM|XP\_011317283.1 MLAR|XP\_007414618.1 MORY|QBZ64830.1 NCRA|XP\_955798.3 SSCL|APA09722.1

>Orthogroup1315: ANID|CBF81665.1 BCIN|XP\_001555922.1 BCIN|XP\_024551790.1 CFRU|XP\_031876520.1 CFRU|XP\_031877974.1 CGLO|KAF3810889.1 CHIG|XP\_018153663.1 CHIG|XP\_018154928.1 CVIN|KAF4916371.1 CVYL|A02255 FGRM|XP\_011317076.1 FGRM|XP\_011321414.1 MGRA|XP\_003856211.1 MORY|QBZ54878.1 NCRA|XP\_964710.3 SSCL|APA06032.1 SSCL|APA14640.1

>Orthogroup1316: ANID|CBF81979.1 BCIN|XP\_001556969.1 BCIN|XP\_024552786.1 CFRU|XP\_031877022.1 CFRU|XP\_031878940.1 CGLO|KAF3807834.1 CGLO|KAF3807835.1 CGLO|KAF3811080.1 CHIG|XP\_018164635.1 CVIN|KAF4895026.1 CVYL|A09716 FGRM|XP\_011318523.1 FGRM|XP\_011321036.1 MGRA|XP\_003855023.1 NCRA|XP\_964785.1 SSCL|APA10571.1 SSCL|APA16056.1

>Orthogroup1317: ANID|CBF82161.1 CFRU|XP\_031889466.1 CFRU|XP\_031891625.1 CGLO|KAF3797935.1 CGLO|KAF3808829.1 CHIG|XP\_018155728.1 CHIG|XP\_018161042.1 CVIN|KAF4909994.1 CVYL|A01252 CVYL|A05367 FGRM|XP\_011320815.1 FGRM|XP\_011321736.1 FGRM|XP\_011326061.1 MGRA|XP\_003847680.1 MGRA|XP\_003854071.1 MORY|QBZ57531.1 MORY|QBZ65033.1

>Orthogroup1318: ANID|CBF82181.1 ANID|CBF87814.1 BCIN|XP\_001552807.1 CFRU|XP\_031884644.1 CFRU|XP\_031893570.1 CGLO|KAF3799691.1 CGLO|KAF3808095.1 CHIG|XP\_018152797.1 CHIG|XP\_018158283.1 CVIN|KAF4919968.1 CVIN|KAF4920636.1 CVYL|A05855 CVYL|A08137 FGRM|XP\_011322072.1 MORY|QBZ55058.1 NCRA|XP\_960770.1 SSCL|APA07595.1

>Orthogroup1319: ANID|CBF82198.1 ANID|CBF89137.1 BCIN|XP\_024553442.1 CFRU|XP\_031883331.1 CFRU|XP\_031884975.1 CGLO|KAF3800589.1 CGLO|KAF3812116.1 CHIG|XP\_018152090.1 CHIG|XP\_018158718.1 CVIN|KAF4927055.1 CVYL|A13126 FGRM|XP\_011321280.1 MLAR|XP\_007415241.1 MLAR|XP\_007417363.1 MORY|QBZ57769.1 NCRA|XP\_959826.1 SSCL|APA13857.1

>Orthogroup1320: ANID|CBF82567.1 ANID|CBF87878.1 BCIN|XP\_001556626.1 BCIN|XP\_024552904.1 BGRA|VCU39737.1 BGRA|VDB92669.1 CFRU|XP\_031879782.1 CGLO|KAF3802988.1 CHIG|XP\_018153625.1 CVIN|KAF4929962.1 CVYL|A00421 FGRM|XP\_011316925.1 MLAR|XP\_007408469.1 MORY|QBZ55602.1 NCRA|XP\_965126.1 SSCL|APA07518.1 SSCL|APA14766.1

>Orthogroup1321: ANID|CBF82743.1 BCIN|XP\_001551805.1 BCIN|XP\_024545908.1 CFRU|XP\_031879014.1 CFRU|XP\_031881107.1 CGLO|KAF3798869.1 CGLO|KAF3809859.1 CHIG|XP\_018161460.1 CVIN|KAF4920299.1 CVYL|A01759 CVYL|A09067 FGRM|XP\_011320302.1 MGRA|XP\_003857716.1 MORY|QBZ60153.1 MORY|QBZ65161.1 NCRA|XP\_959381.1 SSCL|APA11954.1

>Orthogroup1322: ANID|CBF83033.1 BCIN|XP\_024546201.1 CFRU|XP\_031883856.1 CFRU|XP\_031884531.1 CFRU|XP\_031890861.1 CGLO|KAF3796957.1 CGLO|KAF3805037.1 CHIG|XP\_018151901.1 CHIG|XP\_018163469.1 CVIN|KAF4903969.1 CVIN|KAF4912397.1 CVIN|KAF4927143.1 CVYL|A05824 CVYL|A06514 CVYL|A12669 MGRA|XP\_003855763.1 SSCL|APA07026.1

>Orthogroup1323: ANID|CBF83240.1 BCIN|XP\_024548400.1 BGRA|VDB93022.1 CFRU|XP\_031881221.1 CGLO|KAF3802487.1 CHIG|XP\_018154795.1 CVIN|KAF4907441.1 CVYL|A02079 FGRM|XP\_011317671.1 FGRM|XP\_011319441.1 MGRA|XP\_003857743.1 MLAR|XP\_007414960.1 MORY|QBZ60973.1 MORY|QBZ65068.1 NCRA|XP\_963166.1 NCRA|XP\_963237.2 SSCL|APA12299.1

>Orthogroup1324: ANID|CBF83512.1 BCIN|XP\_024546367.1 CFRU|XP\_031882110.1 CFRU|XP\_031885130.1 CFRU|XP\_031890869.1 CGLO|KAF3806126.1 CGLO|KAF3807779.1 CHIG|XP\_018151896.1 CHIG|XP\_018164537.1 CVIN|KAF4911019.1 CVIN|KAF4912401.1 CVYL|A07382 CVYL|A12675 FGRM|XP\_011324256.1 MORY|QBZ60844.1 NCRA|XP\_958101.1 SSCL|APA06858.1

>Orthogroup1325: ANID|CBF83611.1 BCIN|XP\_024549246.1 CFRU|XP\_031892689.1 CGLO|KAF3803075.1 CHIG|XP\_018153522.1 CVIN|KAF4919843.1 CVYL|A00087 FGRM|XP\_011316111.1 FGRM|XP\_011321843.1 FGRM|XP\_011325295.1 MGRA|XP\_003852648.1 MLAR|XP\_007409003.1 MLAR|XP\_007409049.1 MLAR|XP\_007416839.1 MORY|QBZ55586.1 NCRA|XP\_011393014.1 SSCL|APA09016.1

>Orthogroup1326: ANID|CBF84039.1 ANID|CBF87843.1 BCIN|XP\_024552853.1 BGRA|VCU41202.1 CFRU|XP\_031878080.1 CFRU|XP\_031889193.1 CGLO|KAF3801815.1 CGLO|KAF3808774.1 CHIG|XP\_018155676.1 CVIN|KAF4918220.1 CVYL|A00889 FGRM|XP\_011319239.1 FGRM|XP\_011327390.1 MGRA|XP\_003857012.1 MORY|QBZ64636.1 NCRA|XP\_011393797.1 SSCL|APA07594.1

>Orthogroup1327: ANID|CBF84261.1 ANID|CBF84379.1 BCIN|XP\_024552884.1 BCIN|XP\_024553542.1 CFRU|XP\_031890255.1 CGLO|KAF3798712.1 CHIG|XP\_018151280.1 CVIN|KAF4910266.1 CVYL|A09200 FGRM|XP\_011318159.1 FGRM|XP\_011323743.1 MORY|QBZ58901.1 NCRA|XP\_961860.2 NCRA|XP\_963314.2 NCRA|XP\_963652.2 SSCL|APA13886.1 SSCL|APA16091.1

>Orthogroup1328: ANID|CBF84634.1 CFRU|XP\_031878296.1 CFRU|XP\_031893544.1 CGLO|KAF3798110.1 CGLO|KAF3809628.1 CHIG|XP\_018152556.1 CHIG|XP\_018158117.1 CVIN|KAF4925016.1 CVIN|KAF4927989.1 CVYL|A08249 CVYL|A08404 FGRM|XP\_011323163.1 FGRM|XP\_011325278.1 MGRA|XP\_003850586.1 MGRA|XP\_003852981.1 MLAR|XP\_007417881.1 MORY|QBZ64304.1

>Orthogroup1329: ANID|CBF84817.1 BCIN|XP\_001556554.1 CFRU|XP\_031885728.1 CFRU|XP\_031889048.1 CGLO|KAF3799374.1 CGLO|KAF3810194.1 CHIG|XP\_018157815.1 CHIG|XP\_018159963.1 CVIN|KAF4906798.1 CVIN|KAF4929128.1 CVYL|A02789 CVYL|A04730 FGRM|XP\_011320378.1 FGRM|XP\_011327488.1 MORY|QBZ62646.1 NCRA|XP\_960362.3 SSCL|APA06480.1

>Orthogroup1330: ANID|CBF84840.1 BCIN|XP\_001554006.1 BGRA|VDB94924.1 CFRU|XP\_031884383.1 CFRU|XP\_031887337.1 CGLO|KAF3809371.1 CHIG|XP\_018150761.1 CHIG|XP\_018156223.1 CVIN|KAF4902045.1 CVIN|KAF4919949.1 CVYL|A01581 CVYL|A05886 FGRM|XP\_011323898.1 MGRA|XP\_003854599.1 MLAR|XP\_007418483.1 MORY|QBZ65015.1 SSCL|APA11104.1

>Orthogroup1331: ANID|CBF84873.1 BCIN|XP\_001553828.1 BGRA|VDB92855.1 CFRU|XP\_031884821.1 CFRU|XP\_031890911.1 CGLO|KAF3812240.1 CHIG|XP\_018153466.1 CVIN|KAF4916396.1 CVIN|KAF4919919.1 CVYL|A00145 CVYL|A12629 FGRM|XP\_011316949.1 MGRA|XP\_003857096.1 MLAR|XP\_007416561.1 MORY|QBZ55250.1 NCRA|XP\_963807.1 SSCL|APA05904.1

>Orthogroup1332: ANID|CBF85100.1 BCIN|XP\_024546183.1 BGRA|VDB90498.1 CFRU|XP\_031890394.1 CGLO|KAF3804807.1 CHIG|XP\_018164302.1 CVIN|KAF4929816.1 CVYL|A12264 FGRM|XP\_011317052.1 MGRA|XP\_003852212.1 MLAR|XP\_007403731.1 MORY|QBZ54742.1 NCRA|XP\_011393275.1 SSCL|APA07045.1 SSCL|APA07449.1 SSCL|APA07450.1 SSCL|APA07451.1

>Orthogroup1333: ANID|CBF85435.1 BCIN|XP\_001561209.2 BGRA|VCU39871.1 CFRU|XP\_031879518.1 CGLO|KAF3802686.1 CHIG|XP\_018154086.1 CHIG|XP\_018159167.1 CVIN|KAF4894776.1 CVIN|KAF4920436.1 CVYL|A05684 CVYL|A08011 FGRM|XP\_011327325.1 MGRA|XP\_003857562.1 MLAR|XP\_007410474.1 MORY|QBZ58650.1 NCRA|XP\_960003.2 SSCL|APA07172.1

>Orthogroup1334: ANID|CBF85471.1 CFRU|XP\_031883488.1 CFRU|XP\_031883664.1 CFRU|XP\_031887488.1 CGLO|KAF3800195.1 CGLO|KAF3811607.1 CGLO|KAF3811936.1 CHIG|XP\_018155110.1 CVIN|KAF4897003.1 CVIN|KAF4908651.1 CVIN|KAF4921442.1 CVYL|A03465 CVYL|A06092 CVYL|A06130 FGRM|XP\_011322313.1 FGRM|XP\_011326152.1 MORY|QBZ64315.1

>Orthogroup1335: ANID|CBF85482.1 BCIN|XP\_024550996.1 CFRU|XP\_031880236.1 CFRU|XP\_031889118.1 CGLO|KAF3803103.1 CGLO|KAF3808977.1 CHIG|XP\_018155597.1 CHIG|XP\_018155832.1 CVIN|KAF4920865.1 CVIN|KAF4929618.1 CVYL|A00993 CVYL|A01269 FGRM|XP\_011318855.1 MGRA|XP\_003853339.1 MORY|QBZ62013.1 NCRA|XP\_957909.2 SSCL|APA11618.1

>Orthogroup1336: ANID|CBF85489.1 BCIN|XP\_024546270.1 BCIN|XP\_024548963.1 BCIN|XP\_024550788.1 BCIN|XP\_024551200.1 CFRU|XP\_031887406.1 CGLO|KAF3809259.1 CHIG|XP\_018156091.1 CVIN|KAF4907397.1 CVYL|A01450 FGRM|XP\_011318822.1 MGRA|XP\_003851482.1 MORY|QBZ54195.1 NCRA|XP\_961225.1 SSCL|APA09491.1 SSCL|APA10143.1 SSCL|APA11867.1

>Orthogroup1337: ANID|CBF85566.1 CFRU|XP\_031879016.1 CFRU|XP\_031879021.1 CFRU|XP\_031882254.1 CFRU|XP\_031883633.1 CFRU|XP\_031883636.1 CFRU|XP\_031889720.1 CGLO|KAF3798775.1 CGLO|KAF3800239.1 CGLO|KAF3800240.1 CHIG|XP\_018156169.1 CHIG|XP\_018158997.1 CHIG|XP\_018158998.1 CVIN|KAF4912779.1 CVIN|KAF4921777.1 CVYL|A09147 CVYL|A12413

>Orthogroup1338: ANID|CBF85607.1 BCIN|XP\_024552683.1 CFRU|XP\_031883021.1 CFRU|XP\_031887833.1 CGLO|KAF3802068.1 CHIG|XP\_018154207.1 CHIG|XP\_018163241.1 CVIN|KAF4917978.1 CVIN|KAF4924265.1 CVYL|A00527 CVYL|A03318 FGRM|XP\_011327691.1 MGRA|XP\_003852742.1 MORY|QBZ53373.1 MORY|QBZ54760.1 NCRA|XP\_965186.2 SSCL|APA15519.1

>Orthogroup1339: ANID|CBF85668.1 ANID|CBF87400.1 BCIN|XP\_001551602.1 BCIN|XP\_001558928.1 CFRU|XP\_031878633.1 CFRU|XP\_031889944.1 CGLO|KAF3802841.1 CHIG|XP\_018155394.1 CHIG|XP\_018158438.1 CVIN|KAF4910469.1 CVYL|A05171 FGRM|XP\_011317911.1 FGRM|XP\_011320695.1 MGRA|XP\_003850035.1 MGRA|XP\_003853278.1 MORY|QBZ59346.1 SSCL|APA11793.1

>Orthogroup1340: ANID|CBF85690.1 ANID|CBF86650.1 BCIN|XP\_001552915.1 CFRU|XP\_031877277.1 CFRU|XP\_031893444.1 CGLO|KAF3806786.1 CGLO|KAF3808350.1 CHIG|XP\_018152409.1 CVIN|KAF4914239.1 CVIN|KAF4918637.1 CVYL|A02448 CVYL|A09509 FGRM|XP\_011317715.1 MGRA|XP\_003854132.1 MORY|QBZ54487.1 NCRA|XP\_961472.2 SSCL|APA05237.1

>Orthogroup1341: ANID|CBF86894.1 BCIN|XP\_024552707.1 BGRA|VCU40872.1 CFRU|XP\_031879420.1 CFRU|XP\_031879427.1 CGLO|KAF3802416.1 CHIG|XP\_018154711.1 CHIG|XP\_018154712.1 CVIN|KAF4918212.1 CVIN|KAF4918221.1 CVYL|A13559 FGRM|XP\_011325645.1 MLAR|XP\_007410778.1 MORY|QBZ64869.1 MORY|QBZ64873.1 NCRA|XP\_956526.3 SSCL|APA15463.1

>Orthogroup1342: ANID|CBF86977.1 BCIN|XP\_024548741.1 BGRA|VDB89211.1 CFRU|XP\_031886313.1 CFRU|XP\_031886503.1 CGLO|KAF3806199.1 CGLO|KAF3806200.1 CHIG|XP\_018162187.1 CHIG|XP\_018162189.1 CVIN|KAF4931517.1 CVIN|KAF4931520.1 CVYL|A11786 FGRM|XP\_011326335.1 FGRM|XP\_011326336.1 MORY|QBZ55512.1 NCRA|XP\_011393805.1 SSCL|APA09758.1

>Orthogroup1343: ANID|CBF87028.1 BCIN|XP\_024548277.1 CFRU|XP\_031882513.1 CFRU|XP\_031884698.1 CGLO|KAF3809436.1 CGLO|KAF3812227.1 CHIG|XP\_018156287.1 CVIN|KAF4919941.1 CVIN|KAF4921381.1 CVYL|A00158 CVYL|A03106 FGRM|XP\_011319057.1 FGRM|XP\_011322619.1 MGRA|XP\_003857689.1 MORY|QBZ59079.1 NCRA|XP\_961334.1 SSCL|APA12526.1

>Orthogroup1344: ANID|CBF87777.1 BCIN|XP\_001558414.2 BGRA|VDB90452.1 CFRU|XP\_031876517.1 CFRU|XP\_031884866.1 CGLO|KAF3797015.1 CGLO|KAF3801014.1 CHIG|XP\_018153669.1 CVIN|KAF4890187.1 CVIN|KAF4912979.1 CVYL|A00380 CVYL|A05894 FGRM|XP\_011317071.1 MGRA|XP\_003856603.1 MORY|QBZ63927.1 NCRA|XP\_963848.2 SSCL|APA06282.1

>Orthogroup1345: ANID|CBF88042.1 BCIN|XP\_024549320.1 CFRU|XP\_031878569.1 CFRU|XP\_031885676.1 CGLO|KAF3798457.1 CGLO|KAF3810230.1 CHIG|XP\_018157886.1 CHIG|XP\_018161229.1 CVIN|KAF4920019.1 CVIN|KAF4929093.1 CVYL|A02829 CVYL|A11186 FGRM|XP\_011328238.1 MGRA|XP\_003850715.1 MORY|QBZ56105.1 NCRA|XP\_957686.1 SSCL|APA08941.1

>Orthogroup1346: ANID|CBF88071.1 BCIN|XP\_001560215.2 CFRU|XP\_031876102.1 CFRU|XP\_031879572.1 CGLO|KAF3802701.1 CGLO|KAF3807377.1 CHIG|XP\_018151487.1 CVIN|KAF4899843.1 CVYL|A08027 FGRM|XP\_011321790.1 FGRM|XP\_011321795.1 FGRM|XP\_011324280.1 MGRA|XP\_003855753.1 MLAR|XP\_007408971.1 MORY|QBZ59820.1 NCRA|XP\_959615.3 SSCL|APA15921.1

>Orthogroup1347: ANID|CBF88081.1 BCIN|XP\_024549229.1 BGRA|VDB90483.1 CFRU|XP\_031890340.1 CGLO|KAF3804882.1 CHIG|XP\_018150738.1 CHIG|XP\_018164386.1 CVIN|KAF4921158.1 CVYL|A12181 FGRM|XP\_011316262.1 MGRA|XP\_003856896.1 MLAR|XP\_007411309.1 MORY|QBZ60820.1 MORY|QBZ63785.1 NCRA|XP\_011393059.1 NCRA|XP\_964538.1 SSCL|APA08984.1

>Orthogroup1348: ANID|CBF88467.1 BCIN|XP\_024551338.1 BGRA|VDB87624.1 CFRU|XP\_031886360.1 CGLO|KAF3806394.1 CHIG|XP\_018162270.1 CHIG|XP\_018162271.1 CVIN|KAF4923253.1 CVYL|A11984 FGRM|XP\_011322921.1 FGRM|XP\_011326566.1 MGRA|XP\_003855276.1 MLAR|XP\_007403968.1 MORY|QBZ55782.1 MORY|QBZ55783.1 NCRA|XP\_955789.2 SSCL|APA10530.1

>Orthogroup1349: ANID|CBF88537.1 BCIN|XP\_024548608.1 BGRA|VDB89290.1 CFRU|XP\_031885551.1 CGLO|KAF3799422.1 CHIG|XP\_018152294.1 CVIN|KAF4931845.1 CVYL|A13286 FGRM|XP\_011323657.1 MGRA|XP\_003854902.1 MLAR|XP\_007408123.1 MLAR|XP\_007411785.1 MLAR|XP\_007412726.1 MORY|QBZ57665.1 NCRA|XP\_959136.1 SSCL|APA06600.1 SSCL|APA09820.1

>Orthogroup1350: ANID|CBF88567.1 BCIN|XP\_001549074.1 BCIN|XP\_001550239.1 BGRA|VCU39672.1 CFRU|XP\_031890559.1 CGLO|KAF3798132.1 CHIG|XP\_018158640.1 CVIN|KAF4926012.1 CVYL|A13975 FGRM|XP\_011316459.1 MGRA|XP\_003852896.1 MORY|QBZ56090.1 MORY|QBZ62088.1 NCRA|XP\_963516.1 NCRA|XP\_965104.1 SSCL|APA09962.1 SSCL|APA16352.1

>Orthogroup1351: ANID|CBF88627.1 BCIN|XP\_024550726.1 BGRA|VDB88102.1 CFRU|XP\_031890478.1 CFRU|XP\_031892364.1 CGLO|KAF3797298.1 CGLO|KAF3804876.1 CHIG|XP\_018157210.1 CVIN|KAF4894463.1 CVYL|A10395 CVYL|A12187 FGRM|XP\_011320165.1 MGRA|XP\_003855596.1 MLAR|XP\_007414717.1 MORY|QBZ65692.1 NCRA|XP\_965720.1 SSCL|APA11706.1

>Orthogroup1352: ANID|CBF88802.1 BCIN|XP\_001559518.1 CFRU|XP\_031884221.1 CFRU|XP\_031888333.1 CGLO|KAF3803723.1 CGLO|KAF3811046.1 CHIG|XP\_018153138.1 CHIG|XP\_018163721.1 CVIN|KAF4918168.1 CVIN|KAF4928491.1 CVYL|A09748 CVYL|A14659 FGRM|XP\_011326115.1 MORY|QBZ56194.1 MORY|QBZ58177.1 MORY|QBZ63108.1 SSCL|APA09519.1

>Orthogroup1353: ANID|CBF88856.1 BCIN|XP\_024548710.1 BCIN|XP\_024549526.1 BGRA|VDB89299.1 BGRA|VDB94025.1 CFRU|XP\_031887729.1 CGLO|KAF3807155.1 CHIG|XP\_018160974.1 CVIN|KAF4920173.1 CVYL|A03557 FGRM|XP\_011321700.1 FGRM|XP\_011327943.1 MORY|QBZ58811.1 NCRA|XP\_960089.1 NCRA|XP\_962078.2 SSCL|APA09108.1 SSCL|APA09977.1

>Orthogroup1354: ANID|CBF89060.1 BCIN|XP\_024549058.1 BCIN|XP\_024553002.1 CFRU|XP\_031882867.1 CFRU|XP\_031887265.1 CGLO|KAF3803351.1 CGLO|KAF3809180.1 CHIG|XP\_018156003.1 CVIN|KAF4915980.1 CVIN|KAF4919838.1 CVYL|A01367 FGRM|XP\_011319178.1 FGRM|XP\_011322116.1 MGRA|XP\_003856225.1 MORY|QBZ64502.1 NCRA|XP\_960912.3 SSCL|APA15834.1

>Orthogroup1355: ANID|CBF89065.1 BCIN|XP\_024552917.1 BGRA|VCU41300.1 CFRU|XP\_031887263.1 CFRU|XP\_031891301.1 CGLO|KAF3797384.1 CGLO|KAF3809273.1 CHIG|XP\_018156109.1 CVIN|KAF4921067.1 CVYL|A01466 CVYL|A10300 FGRM|XP\_011318836.1 MGRA|XP\_003857193.1 MLAR|XP\_007410902.1 MORY|QBZ62208.1 NCRA|XP\_961234.1 SSCL|APA07534.1

>Orthogroup1356: ANID|CBF89101.1 BCIN|XP\_024551289.1 CFRU|XP\_031878116.1 CFRU|XP\_031886542.1 CGLO|KAF3800283.1 CHIG|XP\_018159312.1 CHIG|XP\_018162771.1 CVIN|KAF4907400.1 CVIN|KAF4927555.1 CVYL|A06951 CVYL|A12872 FGRM|XP\_011318461.1 MGRA|XP\_003852579.1 MGRA|XP\_003854903.1 MORY|QBZ63892.1 NCRA|XP\_963068.2 SSCL|APA10241.1

>Orthogroup1357: ANID|CBF89726.1 CFRU|XP\_031875392.1 CFRU|XP\_031875428.1 CFRU|XP\_031875491.1 CFRU|XP\_031876171.1 CFRU|XP\_031877537.1 CFRU|XP\_031877602.1 CFRU|XP\_031887235.1 CFRU|XP\_031892922.1 FGRM|XP\_011322701.1 MORY|QBZ53298.1 MORY|QBZ58387.1 MORY|QBZ58388.1 MORY|QBZ58433.1 MORY|QBZ66240.1 SSCL|APA10236.1 SSCL|APA10237.1

>Orthogroup1358: ANID|CBF90339.1 BCIN|XP\_001557901.2 CFRU|XP\_031886322.1 CFRU|XP\_031893048.1 CGLO|KAF3798371.1 CGLO|KAF3806281.1 CHIG|XP\_018151554.1 CHIG|XP\_018162109.1 CHIG|XP\_018163424.1 CVIN|KAF4922839.1 CVYL|A11872 FGRM|XP\_011326554.1 MGRA|XP\_003849650.1 MGRA|XP\_003855746.1 MGRA|XP\_003855859.1 NCRA|XP\_956775.2 SSCL|APA12774.1

>Orthogroup1359: BCIN|XP\_001556448.2 BCIN|XP\_001561225.2 CFRU|XP\_031890111.1 CFRU|XP\_031890177.1 CGLO|KAF3810399.1 CGLO|KAF3810400.1 CHIG|XP\_018158382.1 CHIG|XP\_018163242.1 CVIN|KAF4908459.1 CVYL|A12419 FGRM|XP\_011327566.1 MGRA|XP\_003849389.1 MORY|QBZ57112.1 NCRA|XP\_011395211.1 NCRA|XP\_965596.2 SSCL|APA07180.1 SSCL|APA07181.1

>Orthogroup1360: BCIN|XP\_001550276.1 BCIN|XP\_001552810.1 BCIN|XP\_001559282.1 BCIN|XP\_001560683.1 BCIN|XP\_024546417.1 CFRU|XP\_031889852.1 CGLO|KAF3810540.1 CHIG|XP\_018159074.1 CVIN|KAF4914568.1 CVYL|A13617 FGRM|XP\_011320616.1 FGRM|XP\_011322039.1 FGRM|XP\_011325956.1 MGRA|XP\_003857616.1 SSCL|APA07175.1 SSCL|APA08967.1 SSCL|APA12851.1

>Orthogroup1361: BCIN|XP\_024547007.1 BGRA|VCU40517.1 CFRU|XP\_031891244.1 CGLO|KAF3804544.1 CHIG|XP\_018160403.1 CVIN|KAF4924493.1 CVYL|A04263 FGRM|XP\_011324713.1 MGRA|XP\_003850475.1 MLAR|XP\_007404225.1 MLAR|XP\_007407554.1 MLAR|XP\_007417571.1 MLAR|XP\_007417572.1 MLAR|XP\_007417604.1 MORY|QBZ59052.1 NCRA|XP\_960936.3 SSCL|APA05885.1

>Orthogroup1362: BCIN|XP\_024547165.1 BGRA|VDB92905.1 BGRA|VDB92906.1 CFRU|XP\_031879688.1 CFRU|XP\_031879689.1 CGLO|KAF3798188.1 CHIG|XP\_018154061.1 CHIG|XP\_018154062.1 CVIN|KAF4919127.1 CVYL|A04935 FGRM|XP\_011325443.1 FGRM|XP\_011325444.1 MGRA|XP\_003851597.1 MORY|QBZ60825.1 MORY|QBZ60826.1 NCRA|XP\_959948.1 SSCL|APA14079.1

>Orthogroup1363: BCIN|XP\_024547175.1 BCIN|XP\_024553604.1 CFRU|XP\_031889853.1 CFRU|XP\_031893124.1 CGLO|KAF3808084.1 CGLO|KAF3810541.1 CHIG|XP\_018152787.1 CVIN|KAF4914567.1 CVIN|KAF4920621.1 CVYL|A08148 CVYL|A13618 FGRM|XP\_011325346.1 MGRA|XP\_003852102.1 MORY|QBZ53527.1 MORY|QBZ63703.1 NCRA|XP\_965629.2 SSCL|APA14093.1

>Orthogroup1364: BCIN|XP\_024547566.1 CFRU|XP\_031880948.1 CFRU|XP\_031891938.1 CFRU|XP\_031893165.1 CGLO|KAF3800149.1 CGLO|KAF3806856.1 CGLO|KAF3809561.1 CHIG|XP\_018159543.1 CVIN|KAF4893129.1 CVIN|KAF4912184.1 CVYL|A02503 CVYL|A06843 CVYL|A08463 FGRM|XP\_011318236.1 FGRM|XP\_011325359.1 FGRM|XP\_011327671.1 MORY|QBZ58647.1

>Orthogroup1365: BCIN|XP\_001560670.1 CFRU|XP\_031875995.1 CFRU|XP\_031879269.1 CFRU|XP\_031880351.1 CGLO|KAF3807234.1 CGLO|KAF3808605.1 CHIG|XP\_018161560.1 CHIG|XP\_018163182.1 CHIG|XP\_018164603.1 CVIN|KAF4926110.1 CVIN|KAF4928171.1 CVYL|A10716 CVYL|A12377 FGRM|XP\_011327616.1 FGRM|XP\_011327618.1 MGRA|XP\_003855164.1 MORY|QBZ57570.1

>Orthogroup1366: BCIN|XP\_001557706.2 CFRU|XP\_031876868.1 CFRU|XP\_031884818.1 CFRU|XP\_031890122.1 CGLO|KAF3798239.1 CGLO|KAF3799847.1 CGLO|KAF3812175.1 CHIG|XP\_018151292.1 CHIG|XP\_018161300.1 CVIN|KAF4904110.1 CVIN|KAF4918756.1 CVIN|KAF4921732.1 CVYL|A00215 CVYL|A09222 CVYL|A09668 MLAR|XP\_007405951.1 MLAR|XP\_007405952.1

>Orthogroup1367: BCIN|XP\_024548873.1 CFRU|XP\_031884631.1 CFRU|XP\_031893187.1 CFRU|XP\_031893323.1 CGLO|KAF3796962.1 CGLO|KAF3798402.1 CGLO|KAF3809522.1 CHIG|XP\_018152668.1 CHIG|XP\_018156913.1 CHIG|XP\_018158324.1 CVIN|KAF4903963.1 CVIN|KAF4908448.1 CVIN|KAF4918556.1 CVYL|A05818 CVYL|A08218 CVYL|A08497 FGRM|XP\_011322073.1

>Orthogroup1368: BCIN|XP\_001548079.1 CFRU|XP\_031883179.1 CFRU|XP\_031885080.1 CGLO|KAF3807735.1 CGLO|KAF3808229.1 CHIG|XP\_018155600.1 CHIG|XP\_018163032.1 CVIN|KAF4909562.1 CVIN|KAF4920529.1 CVYL|A00570 CVYL|A07619 FGRM|XP\_011318303.1 FGRM|XP\_011322118.1 MGRA|XP\_003857656.1 MORY|QBZ61828.1 MORY|QBZ63049.1 SSCL|APA09517.1

>Orthogroup1369: BCIN|XP\_001556016.2 BGRA|VDB83831.1 CFRU|XP\_031875781.1 CFRU|XP\_031887165.1 CGLO|KAF3809246.1 CHIG|XP\_018154098.1 CHIG|XP\_018156079.1 CVIN|KAF4912175.1 CVIN|KAF4925342.1 CVYL|A01437 CVYL|A03413 FGRM|XP\_011319230.1 FGRM|XP\_011325406.1 MGRA|XP\_003854037.1 MORY|QBZ60045.1 NCRA|XP\_959762.1 SSCL|APA13938.1

>Orthogroup1370: BCIN|XP\_001549653.1 BCIN|XP\_024551366.1 BGRA|VCU39906.1 CFRU|XP\_031883100.1 CFRU|XP\_031884170.1 CGLO|KAF3806478.1 CGLO|KAF3808317.1 CHIG|XP\_018162374.1 CHIG|XP\_018163122.1 CVIN|KAF4908629.1 CVIN|KAF4924084.1 CVYL|A00648 CVYL|A12079 FGRM|XP\_011323909.1 MORY|QBZ61500.1 NCRA|XP\_957013.1 SSCL|APA10486.1

>Orthogroup1371: BCIN|XP\_001551822.1 CFRU|XP\_031885987.1 CFRU|XP\_031893120.1 CGLO|KAF3806559.1 CGLO|KAF3808088.1 CHIG|XP\_018152791.1 CHIG|XP\_018157590.1 CVIN|KAF4920478.1 CVIN|KAF4920625.1 CVYL|A08145 CVYL|A09310 FGRM|XP\_011323049.1 FGRM|XP\_011328024.1 MGRA|XP\_003847417.1 MORY|QBZ60059.1 NCRA|XP\_959044.2 SSCL|APA15961.1

>Orthogroup1372: BCIN|XP\_001557477.1 CFRU|XP\_031878424.1 CGLO|KAF3810782.1 CHIG|XP\_018153104.1 CHIG|XP\_018154115.1 CHIG|XP\_018155007.1 CHIG|XP\_018158319.1 CHIG|XP\_018161286.1 CHIG|XP\_018162531.1 CVIN|KAF4932069.1 FGRM|XP\_011321051.1 MGRA|XP\_003849183.1 MORY|QBZ53306.1 MORY|QBZ59605.1 NCRA|XP\_956081.2 SSCL|APA08528.1 SSCL|APA10632.1

>Orthogroup1373: BCIN|XP\_001549087.1 CFRU|XP\_031888505.1 CFRU|XP\_031889033.1 CGLO|KAF3803537.1 CHIG|XP\_018158917.1 CHIG|XP\_018164050.1 CVIN|KAF4909772.1 CVIN|KAF4922242.1 CVYL|A03888 CVYL|A14469 FGRM|XP\_011316788.1 MORY|QBZ54499.1 MORY|QBZ62820.1 MORY|QBZ66005.1 NCRA|XP\_959808.2 NCRA|XP\_964017.3 SSCL|APA06218.1

>Orthogroup1374: BCIN|XP\_001552270.1 BGRA|VCU39290.1 CFRU|XP\_031884121.1 CFRU|XP\_031887186.1 CGLO|KAF3799973.1 CGLO|KAF3809382.1 CHIG|XP\_018152986.1 CHIG|XP\_018156233.1 CVIN|KAF4896775.1 CVIN|KAF4926924.1 CVYL|A03103 CVYL|A10194 FGRM|XP\_011325108.1 MGRA|XP\_003849572.1 MGRA|XP\_003856620.1 NCRA|XP\_957044.1 SSCL|APA13039.1

>Orthogroup1375: BCIN|XP\_001553922.2 CFRU|XP\_031891873.1 CFRU|XP\_031892265.1 CGLO|KAF3801258.1 CGLO|KAF3801304.1 CVIN|KAF4921595.1 CVIN|KAF4921922.1 CVYL|A07782 CVYL|A07832 FGRM|XP\_011319637.1 MGRA|XP\_003851158.1 MGRA|XP\_003851201.1 MORY|QBZ53962.1 MORY|QBZ62217.1 MORY|QBZ65105.1 NCRA|XP\_959075.1 SSCL|APA13123.1

>Orthogroup1376: BCIN|XP\_001553915.1 CFRU|XP\_031876255.1 CFRU|XP\_031883112.1 CFRU|XP\_031893258.1 CGLO|KAF3800831.1 CGLO|KAF3802332.1 CGLO|KAF3808255.1 CHIG|XP\_018150869.1 CVIN|KAF4900287.1 CVIN|KAF4905812.1 CVIN|KAF4922457.1 CVYL|A00591 CVYL|A08718 MGRA|XP\_003849660.1 MORY|QBZ64102.1 NCRA|XP\_956357.1 SSCL|APA13130.1

>Orthogroup1377: BCIN|XP\_001553848.1 CFRU|XP\_031877378.1 CFRU|XP\_031881309.1 CGLO|KAF3799914.1 CGLO|KAF3810983.1 CHIG|XP\_018153787.1 CHIG|XP\_018154857.1 CVIN|KAF4903970.1 CVIN|KAF4921867.1 CVYL|A02169 CVYL|A09608 FGRM|XP\_011321750.1 FGRM|XP\_011327402.1 MGRA|XP\_003853190.1 MORY|QBZ59884.1 MORY|QBZ65040.1 SSCL|APA13270.1

>Orthogroup1378: BGRA|VCU38825.1 BGRA|VCU38826.1 BGRA|VCU38828.1 BGRA|VCU38829.1 BGRA|VCU39242.1 BGRA|VCU39259.1 BGRA|VCU39661.1 BGRA|VDB86309.1 BGRA|VDB86310.1 BGRA|VDB86315.1 BGRA|VDB86318.1 BGRA|VDB86331.1 BGRA|VDB86396.1 BGRA|VDB87665.1 BGRA|VDB87672.1 BGRA|VDB92934.1 BGRA|VDB93248.1

>Orthogroup1379: BGRA|VCU39520.1 BGRA|VCU39521.1 BGRA|VCU40577.1 BGRA|VCU40578.1 BGRA|VCU40862.1 BGRA|VCU40903.1 BGRA|VCU40904.1 BGRA|VDB86275.1 BGRA|VDB86277.1 BGRA|VDB89049.1 BGRA|VDB89050.1 BGRA|VDB89572.1 BGRA|VDB89573.1 BGRA|VDB92661.1 BGRA|VDB92662.1 BGRA|VDB96294.1 BGRA|VDB96296.1

>Orthogroup1380: CFRU|XP\_031875296.1 CFRU|XP\_031875311.1 CFRU|XP\_031875321.1 CFRU|XP\_031875344.1 CFRU|XP\_031875393.1 CFRU|XP\_031875395.1 CFRU|XP\_031875520.1 CFRU|XP\_031875744.1 CFRU|XP\_031878580.1 CGLO|KAF3798472.1 CHIG|XP\_018150609.1 CHIG|XP\_018161231.1 CVIN|KAF4917497.1 CVYL|A11172 FGRM|XP\_011327862.1 MGRA|XP\_003852666.1 MORY|QBZ63093.1

>Orthogroup1381: CFRU|XP\_031876625.1 CFRU|XP\_031887831.1 CFRU|XP\_031892152.1 CGLO|KAF3798547.1 CGLO|KAF3801365.1 CGLO|KAF3802066.1 CHIG|XP\_018154184.1 CHIG|XP\_018161670.1 CVIN|KAF4913316.1 CVIN|KAF4917972.1 CVYL|A03320 CVYL|A07716 CVYL|A08703 FGRM|XP\_011319804.1 MGRA|XP\_003854126.1 MORY|QBZ58514.1 MORY|QBZ59334.1

>Orthogroup1382: CFRU|XP\_031879008.1 CFRU|XP\_031882829.1 CFRU|XP\_031887648.1 CGLO|KAF3798873.1 CGLO|KAF3803186.1 CGLO|KAF3803343.1 CHIG|XP\_018153087.1 CHIG|XP\_018153207.1 CHIG|XP\_018154092.1 CHIG|XP\_018159256.1 CHIG|XP\_018159775.1 CVIN|KAF4920304.1 CVYL|A03616 CVYL|A09062 FGRM|XP\_011327115.1 MGRA|XP\_003850230.1 MORY|QBZ63678.1

>Orthogroup1383: CFRU|XP\_031877515.1 CFRU|XP\_031884361.1 CGLO|KAF3797533.1 CGLO|KAF3811036.1 CHIG|XP\_018153011.1 CHIG|XP\_018156674.1 CHIG|XP\_018161266.1 CVIN|KAF4918153.1 CVIN|KAF4921649.1 CVYL|A01982 CVYL|A09754 FGRM|XP\_011323341.1 MGRA|XP\_003847637.1 MGRA|XP\_003850086.1 MLAR|XP\_007409285.1 MORY|QBZ64441.1 NCRA|XP\_958641.2

>Orthogroup1384: CFRU|XP\_031877130.1 CFRU|XP\_031878263.1 CFRU|XP\_031883049.1 CFRU|XP\_031883666.1 CFRU|XP\_031892009.1 CFRU|XP\_031892010.1 CGLO|KAF3798024.1 CGLO|KAF3800200.1 CGLO|KAF3803982.1 CGLO|KAF3807948.1 CHIG|XP\_018151817.1 CHIG|XP\_018158392.1 CVIN|KAF4920433.1 CVIN|KAF4924055.1 CVIN|KAF4925189.1 CVYL|A06087 CVYL|A08817

>Orthogroup1385: CFRU|XP\_031883259.1 CFRU|XP\_031883330.1 CFRU|XP\_031889900.1 CGLO|KAF3800590.1 CGLO|KAF3801742.1 CGLO|KAF3810632.1 CHIG|XP\_018152089.1 CHIG|XP\_018159255.1 CVIN|KAF4901592.1 CVIN|KAF4922931.1 CVIN|KAF4927056.1 CVYL|A12959 CVYL|A13717 MORY|QBZ55917.1 MORY|QBZ63750.1 NCRA|XP\_963285.1 NCRA|XP\_963410.2

>Orthogroup1386: CFRU|XP\_031881856.1 CFRU|XP\_031883220.1 CFRU|XP\_031891237.1 CGLO|KAF3804603.1 CGLO|KAF3808323.1 CHIG|XP\_018161677.1 CHIG|XP\_018163624.1 CVIN|KAF4919102.1 CVYL|A00655 CVYL|A05277 FGRM|XP\_011319450.1 FGRM|XP\_011319566.1 FGRM|XP\_011320585.1 MORY|QBZ55168.1 MORY|QBZ61197.1 NCRA|XP\_001727986.2 NCRA|XP\_957501.2

>Orthogroup1387: CFRU|XP\_031877011.1 CFRU|XP\_031881920.1 CGLO|KAF3802359.1 CGLO|KAF3806081.1 CVIN|KAF4897542.1 CVIN|KAF4917955.1 CVYL|A05430 CVYL|A07432 CVYL|A08649 CVYL|A09497 MGRA|XP\_003851849.1 MORY|QBZ62129.1 NCRA|XP\_963020.2 SSCL|APA06556.1 SSCL|APA11736.1 SSCL|APA15615.1 SSCL|APA15616.1

>Orthogroup1388: CFRU|XP\_031876450.1 CFRU|XP\_031877365.1 CFRU|XP\_031890899.1 CGLO|KAF3799921.1 CGLO|KAF3801958.1 CGLO|KAF3811760.1 CHIG|XP\_018153765.1 CVIN|KAF4906967.1 CVIN|KAF4919785.1 CVIN|KAF4923011.1 CVYL|A02393 CVYL|A11276 CVYL|A12770 FGRM|XP\_011321869.1 FGRM|XP\_011322333.1 MORY|QBZ58694.1 NCRA|XP\_965497.2

>Orthogroup1389: MLAR|XP\_007403854.1 MLAR|XP\_007403924.1 MLAR|XP\_007404161.1 MLAR|XP\_007404833.1 MLAR|XP\_007405185.1 MLAR|XP\_007407282.1 MLAR|XP\_007407600.1 MLAR|XP\_007409449.1 MLAR|XP\_007409868.1 MLAR|XP\_007412095.1 MLAR|XP\_007412170.1 MLAR|XP\_007413492.1 MLAR|XP\_007415130.1 MLAR|XP\_007415550.1 MLAR|XP\_007416426.1 MLAR|XP\_007417150.1 MLAR|XP\_007418996.1

>Orthogroup1390: MLAR|XP\_007403671.1 MLAR|XP\_007403672.1 MLAR|XP\_007403829.1 MLAR|XP\_007404954.1 MLAR|XP\_007404955.1 MLAR|XP\_007408017.1 MLAR|XP\_007408340.1 MLAR|XP\_007408341.1 MLAR|XP\_007408602.1 MLAR|XP\_007408603.1 MLAR|XP\_007408991.1 MLAR|XP\_007409494.1 MLAR|XP\_007411592.1 MLAR|XP\_007414458.1 MLAR|XP\_007415075.1 MLAR|XP\_007415151.1 MLAR|XP\_007419070.1

>Orthogroup1391: MLAR|XP\_007405929.1 MLAR|XP\_007406317.1 MLAR|XP\_007407891.1 MLAR|XP\_007408313.1 MLAR|XP\_007408314.1 MLAR|XP\_007411534.1 MLAR|XP\_007411536.1 MLAR|XP\_007412193.1 MLAR|XP\_007412194.1 MLAR|XP\_007413470.1 MLAR|XP\_007413984.1 MLAR|XP\_007415916.1 MLAR|XP\_007417538.1 MLAR|XP\_007417712.1 MLAR|XP\_007417713.1 MLAR|XP\_007418486.1 MLAR|XP\_007419157.1

>Orthogroup1392: MLAR|XP\_007409178.1 MLAR|XP\_007409450.1 MLAR|XP\_007409454.1 MLAR|XP\_007409456.1 MLAR|XP\_007409457.1 MLAR|XP\_007409458.1 MLAR|XP\_007409460.1 MLAR|XP\_007411661.1 MLAR|XP\_007413676.1 MLAR|XP\_007415604.1 MLAR|XP\_007415605.1 MLAR|XP\_007416379.1 MLAR|XP\_007419450.1 MLAR|XP\_007419467.1 MLAR|XP\_007419641.1 MLAR|XP\_007419650.1 MLAR|XP\_007419663.1

>Orthogroup1393: ANID|CBF69414.1 ANID|CBF69520.1 ANID|CBF79121.1 ANID|CBF80316.1 ANID|CBF85071.1 BCIN|XP\_001555846.2 BCIN|XP\_024552714.1 CFRU|XP\_031889280.1 CGLO|KAF3808886.1 CHIG|XP\_018155760.1 CVIN|KAF4914524.1 CVYL|A01196 MORY|QBZ54903.1 MORY|QBZ63639.1 MORY|QBZ64815.1 SSCL|APA10418.1

>Orthogroup1394: ANID|CBF69475.1 ANID|CBF79128.1 ANID|CBF82598.1 CFRU|XP\_031877049.1 CFRU|XP\_031885952.1 CFRU|XP\_031892960.1 CGLO|KAF3803907.1 CGLO|KAF3805442.1 CGLO|KAF3808058.1 CHIG|XP\_018152767.1 CHIG|XP\_018155300.1 CVIN|KAF4925471.1 CVIN|KAF4930397.1 CVYL|A05572 CVYL|A08175 CVYL|A08894

>Orthogroup1395: ANID|CBF69775.1 BCIN|XP\_024550801.1 BGRA|VCU39582.1 CFRU|XP\_031883354.1 CGLO|KAF3800532.1 CHIG|XP\_018152154.1 CVIN|KAF4919259.1 CVYL|A13183 FGRM|XP\_011315949.1 MGRA|XP\_003852716.1 MLAR|XP\_007408630.1 MLAR|XP\_007408866.1 MLAR|XP\_007418533.1 MORY|QBZ61085.1 NCRA|XP\_956516.3 SSCL|APA11854.1

>Orthogroup1396: ANID|CBF69778.1 BCIN|XP\_024550802.1 BGRA|VCU39578.1 BGRA|VCU39579.1 CFRU|XP\_031883353.1 CGLO|KAF3800534.1 CHIG|XP\_018152151.1 CHIG|XP\_018152152.1 CVIN|KAF4919221.1 CVYL|A13181 FGRM|XP\_011315947.1 MGRA|XP\_003852748.1 MLAR|XP\_007413367.1 MORY|QBZ61083.1 NCRA|XP\_957191.3 SSCL|APA11852.1

>Orthogroup1397: ANID|CBF69807.1 BCIN|XP\_001552257.1 BCIN|XP\_024547455.1 BGRA|VDB90998.1 CFRU|XP\_031889232.1 CGLO|KAF3803150.1 CHIG|XP\_018155522.1 CVIN|KAF4928340.1 CVYL|A01036 FGRM|XP\_011319159.1 FGRM|XP\_011325136.1 MGRA|XP\_003853591.1 MORY|QBZ54850.1 NCRA|XP\_958708.1 SSCL|APA12890.1 SSCL|APA15997.1

>Orthogroup1398: ANID|CBF69890.1 ANID|CBF89139.1 BCIN|XP\_024546177.1 CFRU|XP\_031883446.1 CGLO|KAF3800586.1 CHIG|XP\_018152093.1 CVIN|KAF4927116.1 CVYL|A13128 FGRM|XP\_011321279.1 FGRM|XP\_011321946.1 FGRM|XP\_011325336.1 MGRA|XP\_003852790.1 MLAR|XP\_007414809.1 MORY|QBZ57768.1 NCRA|XP\_959825.1 SSCL|APA07052.1

>Orthogroup1399: ANID|CBF69896.1 ANID|CBF81899.1 BCIN|XP\_001557197.2 BGRA|VDB88853.1 CFRU|XP\_031881763.1 CGLO|KAF3800693.1 CHIG|XP\_018157657.1 CVIN|KAF4922006.1 CVYL|A13026 FGRM|XP\_011325665.1 FGRM|XP\_011325895.1 MLAR|XP\_007408514.1 MLAR|XP\_007408515.1 MORY|QBZ61255.1 NCRA|XP\_963281.1 SSCL|APA12712.1

>Orthogroup1400: ANID|CBF69906.1 BCIN|XP\_001552708.2 BCIN|XP\_001560486.1 BCIN|XP\_024551994.1 CFRU|XP\_031880624.1 CGLO|KAF3809940.1 CHIG|XP\_018161520.1 CVIN|KAF4930657.1 CVYL|A01683 FGRM|XP\_011318393.1 MGRA|XP\_003848866.1 MGRA|XP\_003857489.1 MORY|QBZ65145.1 NCRA|XP\_001728131.1 SSCL|APA12663.1 SSCL|APA15731.1

>Orthogroup1401: ANID|CBF69934.1 ANID|CBF83632.1 BCIN|XP\_001556188.2 BCIN|XP\_001558710.1 CFRU|XP\_031888230.1 CGLO|KAF3803644.1 CHIG|XP\_018163808.1 CVIN|KAF4913944.1 CVYL|A14578 FGRM|XP\_011317005.1 MGRA|XP\_003853985.1 MLAR|XP\_007407839.1 MORY|QBZ54673.1 NCRA|XP\_011393175.1 SSCL|APA05241.1 SSCL|APA09026.1

>Orthogroup1402: ANID|CBF70084.1 BCIN|XP\_024553795.1 BGRA|VDB96373.1 CFRU|XP\_031886552.1 CGLO|KAF3804053.1 CHIG|XP\_018162725.1 CVIN|KAF4919526.1 CVYL|A07014 FGRM|XP\_011327060.1 MGRA|XP\_003854223.1 MLAR|XP\_007412247.1 MLAR|XP\_007419371.1 MORY|QBZ59320.1 NCRA|XP\_011393772.1 SSCL|APA15178.1 SSCL|APA15179.1

>Orthogroup1403: ANID|CBF70192.1 ANID|CBF70414.1 BCIN|XP\_001559222.1 BGRA|VCU38868.1 CFRU|XP\_031876149.1 CFRU|XP\_031887901.1 CGLO|KAF3802308.1 CGLO|KAF3810281.1 CHIG|XP\_018154412.1 CVIN|KAF4891974.1 CVYL|A10773 FGRM|XP\_011319753.1 MGRA|XP\_003856401.1 MORY|QBZ65805.1 NCRA|XP\_965537.2 SSCL|APA15812.1

>Orthogroup1404: ANID|CBF70277.1 BCIN|XP\_001561371.1 BGRA|VDB95097.1 BGRA|VDB95098.1 CFRU|XP\_031878115.1 CGLO|KAF3801833.1 CHIG|XP\_018159311.1 CVIN|KAF4907401.1 CVYL|A12873 FGRM|XP\_011320460.1 MGRA|XP\_003855761.1 MLAR|XP\_007417912.1 MORY|QBZ62875.1 NCRA|XP\_960163.1 NCRA|XP\_960478.1 SSCL|APA06884.1

>Orthogroup1405: ANID|CBF70280.1 BCIN|XP\_001560725.1 BGRA|VDB89556.1 CFRU|XP\_031878058.1 CFRU|XP\_031879559.1 CGLO|KAF3799608.1 CGLO|KAF3802776.1 CHIG|XP\_018154602.1 CVIN|KAF4926448.1 CVYL|A13469 FGRM|XP\_011316547.1 MGRA|XP\_003854616.1 MLAR|XP\_007413376.1 MORY|QBZ64813.1 NCRA|XP\_963173.3 SSCL|APA07992.1

>Orthogroup1406: ANID|CBF70324.1 ANID|CBF70703.1 ANID|CBF90196.1 BCIN|XP\_001546223.1 BGRA|VDB86385.1 CFRU|XP\_031885307.1 CGLO|KAF3806539.1 CHIG|XP\_018157579.1 CVIN|KAF4921318.1 CVYL|A09330 FGRM|XP\_011327991.1 MGRA|XP\_003853145.1 MGRA|XP\_003855646.1 MORY|QBZ56279.1 NCRA|XP\_957888.2 SSCL|APA13780.1

>Orthogroup1407: ANID|CBF70385.1 ANID|CBF79145.1 ANID|CBF81743.1 ANID|CBF90099.1 BCIN|XP\_024547191.1 CFRU|XP\_031877644.1 CGLO|KAF3801082.1 CHIG|XP\_018153734.1 CVIN|KAF4892465.1 CVYL|A00371 FGRM|XP\_011327805.1 MGRA|XP\_003848724.1 MLAR|XP\_007406762.1 MORY|QBZ60606.1 NCRA|XP\_959797.3 SSCL|APA14106.1

>Orthogroup1408: ANID|CBF70466.1 BCIN|XP\_024550481.1 BGRA|VDB90364.1 CFRU|XP\_031885658.1 CGLO|KAF3810104.1 CHIG|XP\_018157856.1 CVIN|KAF4910235.1 CVYL|A02698 FGRM|XP\_011319972.1 FGRM|XP\_011328280.1 MGRA|XP\_003850709.1 MLAR|XP\_007413210.1 MORY|QBZ58771.1 MORY|QBZ62165.1 NCRA|XP\_011395074.1 SSCL|APA11198.1

>Orthogroup1409: ANID|CBF70571.1 BCIN|XP\_024547807.1 BCIN|XP\_024550405.1 BGRA|VDB84362.1 CFRU|XP\_031886684.1 CGLO|KAF3800274.1 CHIG|XP\_018162761.1 CVIN|KAF4927613.1 CVYL|A06962 FGRM|XP\_011318453.1 MGRA|XP\_003853929.1 MLAR|XP\_007413019.1 MORY|QBZ61328.1 NCRA|XP\_957327.3 SSCL|APA08104.1 SSCL|APA11098.1

>Orthogroup1410: ANID|CBF70620.1 BCIN|XP\_024549859.1 BGRA|VDB83641.1 CFRU|XP\_031887607.1 CGLO|KAF3807147.1 CHIG|XP\_018160968.1 CVIN|KAF4920192.1 CVYL|A03547 FGRM|XP\_011322108.1 FGRM|XP\_011324874.1 MLAR|XP\_007409603.1 MLAR|XP\_007411532.1 MLAR|XP\_007411533.1 MORY|QBZ56308.1 NCRA|XP\_011394308.1 SSCL|APA05521.1

>Orthogroup1411: ANID|CBF70781.1 BCIN|XP\_024553910.1 BGRA|VDB94484.1 CFRU|XP\_031883130.1 CFRU|XP\_031890910.1 CGLO|KAF3808320.1 CHIG|XP\_018163115.1 CVIN|KAF4916395.1 CVIN|KAF4924074.1 CVYL|A00651 CVYL|A12628 FGRM|XP\_011326155.1 MLAR|XP\_007413498.1 MORY|QBZ57918.1 NCRA|XP\_959306.1 SSCL|APA15281.1

>Orthogroup1412: ANID|CBF70833.1 BCIN|XP\_001555017.1 BGRA|VDB86062.1 CFRU|XP\_031886408.1 CGLO|KAF3806245.1 CHIG|XP\_018162083.1 CVIN|KAF4931543.1 CVYL|A11835 FGRM|XP\_011324010.1 FGRM|XP\_011325187.1 MGRA|XP\_003848855.1 MGRA|XP\_003849575.1 MGRA|XP\_003853789.1 MORY|QBZ61505.1 NCRA|XP\_957809.3 SSCL|APA07786.1

>Orthogroup1413: ANID|CBF70933.1 ANID|CBF79916.1 BCIN|XP\_001557790.1 BCIN|XP\_001560648.2 BGRA|VDB86338.1 CGLO|KAF3800306.1 CHIG|XP\_018158240.1 CVYL|A06921 FGRM|XP\_011321884.1 MGRA|XP\_003848531.1 MGRA|XP\_003849882.1 MLAR|XP\_007413340.1 MLAR|XP\_007415608.1 MORY|QBZ58620.1 NCRA|XP\_958255.2 SSCL|APA07946.1

>Orthogroup1414: ANID|CBF71327.1 ANID|CBF73555.1 ANID|CBF82206.1 BCIN|XP\_001553719.2 BCIN|XP\_024549096.1 BGRA|VCU40536.1 CFRU|XP\_031880887.1 CGLO|KAF3806880.1 CHIG|XP\_018159582.1 CVIN|KAF4894669.1 FGRM|XP\_011316471.1 MORY|QBZ60629.1 MORY|QBZ61550.1 NCRA|XP\_964541.2 SSCL|APA05862.1 SSCL|APA13497.1

>Orthogroup1415: ANID|CBF71331.1 BCIN|XP\_001551335.1 BCIN|XP\_001552456.1 BCIN|XP\_001560964.1 CFRU|XP\_031878216.1 CFRU|XP\_031891813.1 CGLO|KAF3808473.1 CHIG|XP\_018161948.1 CVIN|KAF4915227.1 CVIN|KAF4922377.1 CVYL|A07641 CVYL|A11668 FGRM|XP\_011328733.1 MGRA|XP\_003851386.1 MORY|QBZ64979.1 SSCL|APA06689.1

>Orthogroup1416: ANID|CBF71346.1 ANID|CBF74628.1 BCIN|XP\_001547762.1 BGRA|VDB83691.1 CFRU|XP\_031880577.1 CGLO|KAF3811561.1 CHIG|XP\_018159786.1 CHIG|XP\_018160822.1 CVIN|KAF4926724.1 CVYL|A04772 FGRM|XP\_011324825.1 MGRA|XP\_003853242.1 MLAR|XP\_007417677.1 MORY|QBZ56635.1 NCRA|XP\_961824.1 SSCL|APA05347.1

>Orthogroup1417: ANID|CBF71523.1 ANID|CBF84205.1 BCIN|XP\_001555858.2 BGRA|VCU39323.1 CFRU|XP\_031885155.1 CGLO|KAF3807650.1 CHIG|XP\_018162876.1 CVIN|KAF4927804.1 CVYL|A06642 FGRM|XP\_011315800.1 FGRM|XP\_011319626.1 FGRM|XP\_011326292.1 MORY|QBZ55690.1 NCRA|XP\_956371.2 NCRA|XP\_960317.2 SSCL|APA06083.1

>Orthogroup1418: ANID|CBF71628.1 BCIN|XP\_001549429.1 CFRU|XP\_031887301.1 CGLO|KAF3808858.1 CGLO|KAF3809213.1 CHIG|XP\_018150743.1 CHIG|XP\_018156025.1 CVIN|KAF4886799.1 CVIN|KAF4925346.1 CVYL|A01222 CVYL|A01403 FGRM|XP\_011318099.1 MGRA|XP\_003857074.1 MORY|QBZ54809.1 NCRA|XP\_961434.1 SSCL|APA11728.1

>Orthogroup1419: ANID|CBF71630.1 BCIN|XP\_001546665.1 BGRA|VCU40925.1 CFRU|XP\_031882436.1 CGLO|KAF3808857.1 CHIG|XP\_018150741.1 CHIG|XP\_018156394.1 CVIN|KAF4928918.1 CVYL|A01223 CVYL|A02942 FGRM|XP\_011318100.1 MGRA|XP\_003857073.1 MLAR|XP\_007404050.1 MORY|QBZ54810.1 NCRA|XP\_011394681.1 SSCL|APA11523.1

>Orthogroup1420: ANID|CBF71737.1 BCIN|XP\_024552687.1 BGRA|VDB88023.1 BGRA|VDB88024.1 CFRU|XP\_031878042.1 CGLO|KAF3799589.1 CHIG|XP\_018154584.1 CHIG|XP\_018154585.1 CVIN|KAF4926458.1 CVYL|A13450 FGRM|XP\_011325564.1 MGRA|XP\_003849596.1 MLAR|XP\_007407656.1 MORY|QBZ53968.1 NCRA|XP\_956471.1 SSCL|APA15514.1

>Orthogroup1421: ANID|CBF71758.1 ANID|CBF81457.1 BCIN|XP\_001553647.1 BGRA|VDB88869.1 CFRU|XP\_031891993.1 CGLO|KAF3801425.1 CHIG|XP\_018164749.1 CVIN|KAF4922376.1 CVYL|A07659 FGRM|XP\_011321939.1 FGRM|XP\_011322132.1 FGRM|XP\_011325615.1 MGRA|XP\_003848577.1 MORY|QBZ64383.1 NCRA|XP\_011395260.1 SSCL|APA13453.1

>Orthogroup1422: ANID|CBF73588.1 ANID|CBF75642.1 ANID|CBF86745.1 BCIN|XP\_024546363.1 CFRU|XP\_031892881.1 CGLO|KAF3797121.1 CVIN|KAF4893361.1 CVYL|A10580 FGRM|XP\_011322545.1 MGRA|XP\_003854831.1 MLAR|XP\_007418036.1 MORY|QBZ53721.1 MORY|QBZ64965.1 MORY|QBZ65069.1 MORY|QBZ65458.1 SSCL|APA06860.1

>Orthogroup1423: ANID|CBF73648.1 ANID|CBF84729.1 BCIN|XP\_001554259.1 CFRU|XP\_031876587.1 CFRU|XP\_031881312.1 CGLO|KAF3800901.1 CGLO|KAF3810986.1 CHIG|XP\_018150777.1 CHIG|XP\_018159272.1 CVIN|KAF4907262.1 CVIN|KAF4921869.1 CVYL|A12440 FGRM|XP\_011325416.1 FGRM|XP\_011325439.1 MGRA|XP\_003851902.1 SSCL|APA10338.1

>Orthogroup1424: ANID|CBF73713.1 BCIN|XP\_024548321.1 CFRU|XP\_031891220.1 CFRU|XP\_031891221.1 CGLO|KAF3804513.1 CHIG|XP\_018159475.1 CHIG|XP\_018159476.1 CVIN|KAF4924521.1 CVIN|KAF4924522.1 CVYL|A04228 FGRM|XP\_011326891.1 MGRA|XP\_003850263.1 MLAR|XP\_007407038.1 MORY|QBZ59058.1 NCRA|XP\_960863.3 SSCL|APA12571.1

>Orthogroup1425: ANID|CBF73888.1 ANID|CBF84561.1 BCIN|XP\_001559790.2 BCIN|XP\_024551535.1 CFRU|XP\_031883602.1 CGLO|KAF3800205.1 CHIG|XP\_018155114.1 CVIN|KAF4920429.1 CVYL|A06082 FGRM|XP\_011317859.1 MGRA|XP\_003854835.1 MORY|QBZ57808.1 NCRA|XP\_958411.1 SSCL|APA09672.1 SSCL|APA09971.1 SSCL|APA10817.1

>Orthogroup1426: ANID|CBF73891.1 BCIN|XP\_001559638.1 BCIN|XP\_001560517.1 CFRU|XP\_031881901.1 CFRU|XP\_031888183.1 CGLO|KAF3800682.1 CGLO|KAF3802211.1 CHIG|XP\_018152000.1 CVIN|KAF4922042.1 CVYL|A03188 CVYL|A13034 FGRM|XP\_011321266.1 MGRA|XP\_003847749.1 MGRA|XP\_003853371.1 MGRA|XP\_003855306.1 NCRA|XP\_958929.3

>Orthogroup1427: ANID|CBF73913.1 ANID|CBF79695.1 BCIN|XP\_024553900.1 BGRA|VCU39341.1 CFRU|XP\_031885242.1 CFRU|XP\_031890712.1 CGLO|KAF3801576.1 CHIG|XP\_018162929.1 CVIN|KAF4918863.1 CVIN|KAF4921089.1 CVYL|A07131 CVYL|A12557 FGRM|XP\_011323277.1 MGRA|XP\_003857773.1 NCRA|XP\_958988.2 SSCL|APA15190.1

>Orthogroup1428: ANID|CBF73932.1 ANID|CBF75201.1 ANID|CBF84521.1 BCIN|XP\_024549458.1 CFRU|XP\_031883665.1 CFRU|XP\_031892240.1 CGLO|KAF3800196.1 CGLO|KAF3801373.1 CHIG|XP\_018155109.1 CVIN|KAF4897004.1 CVYL|A06091 CVYL|A07709 FGRM|XP\_011324250.1 FGRM|XP\_011327715.1 MLAR|XP\_007406645.1 SSCL|APA09199.1

>Orthogroup1429: ANID|CBF74079.1 BCIN|XP\_024553316.1 BGRA|VCU40484.1 CFRU|XP\_031886886.1 CGLO|KAF3811322.1 CHIG|XP\_018160548.1 CVIN|KAF4927245.1 CVYL|A04503 FGRM|XP\_011327146.1 MGRA|XP\_003850336.1 MLAR|XP\_007405990.1 MLAR|XP\_007407088.1 MLAR|XP\_007413341.1 MORY|QBZ58036.1 NCRA|XP\_961185.2 SSCL|APA13626.1

>Orthogroup1430: ANID|CBF74127.1 BCIN|XP\_024546868.1 BGRA|VDB83847.1 CFRU|XP\_031888878.1 CGLO|KAF3804284.1 CHIG|XP\_018160090.1 CVIN|KAF4920107.1 CVIN|KAF4922404.1 CVYL|A03967 FGRM|XP\_011324585.1 MGRA|XP\_003850438.1 MLAR|XP\_007410395.1 MLAR|XP\_007416444.1 MORY|QBZ63432.1 NCRA|XP\_011394634.1 SSCL|APA05922.1

>Orthogroup1431: ANID|CBF74129.1 BCIN|XP\_024546869.1 CFRU|XP\_031888879.1 CGLO|KAF3804285.1 CHIG|XP\_018160091.1 CVIN|KAF4920132.1 CVYL|A03968 FGRM|XP\_011324586.1 MGRA|XP\_003849985.1 MLAR|XP\_007411666.1 MLAR|XP\_007411667.1 MLAR|XP\_007417006.1 MLAR|XP\_007417879.1 MORY|QBZ63431.1 NCRA|XP\_961163.3 SSCL|APA05923.1

>Orthogroup1432: ANID|CBF74146.1 BCIN|XP\_001545824.1 CFRU|XP\_031884814.1 CFRU|XP\_031885742.1 CFRU|XP\_031889634.1 CGLO|KAF3810041.1 CGLO|KAF3810530.1 CGLO|KAF3812154.1 CHIG|XP\_018156855.1 CHIG|XP\_018157760.1 CHIG|XP\_018159099.1 CVIN|KAF4914578.1 CVIN|KAF4917940.1 CVIN|KAF4918759.1 CVYL|A00239 CVYL|A02637

>Orthogroup1433: ANID|CBF74195.1 BCIN|XP\_001555884.1 BGRA|VCU39375.1 CFRU|XP\_031888864.1 CGLO|KAF3804256.1 CHIG|XP\_018160050.1 CVIN|KAF4909076.1 CVYL|A03935 FGRM|XP\_011318055.1 FGRM|XP\_011324582.1 MGRA|XP\_003853430.1 MORY|QBZ56737.1 MORY|QBZ64656.1 NCRA|XP\_011395327.1 NCRA|XP\_960622.2 SSCL|APA06058.1

>Orthogroup1434: ANID|CBF74448.1 BCIN|XP\_001558802.2 BCIN|XP\_001559449.1 BGRA|VDB89799.1 BGRA|VDB93865.1 CFRU|XP\_031876510.1 CHIG|XP\_018153687.1 CVYL|A00366 FGRM|XP\_011317170.1 MGRA|XP\_003852806.1 MLAR|XP\_007411621.1 MLAR|XP\_007411622.1 MORY|QBZ63959.1 NCRA|XP\_965364.2 SSCL|APA05961.1 SSCL|APA07658.1

>Orthogroup1435: ANID|CBF74529.1 BCIN|XP\_024553042.1 CFRU|XP\_031875752.1 CFRU|XP\_031889642.1 CGLO|KAF3797760.1 CGLO|KAF3810513.1 CHIG|XP\_018156428.1 CVIN|KAF4914575.1 CVIN|KAF4918803.1 CVYL|A02976 CVYL|A13594 FGRM|XP\_011318788.1 MGRA|XP\_003856087.1 MORY|QBZ57726.1 NCRA|XP\_958982.3 SSCL|APA16165.1

>Orthogroup1436: ANID|CBF74637.1 ANID|CBF76235.1 ANID|CBF85828.1 CFRU|XP\_031884724.1 CFRU|XP\_031890070.1 CGLO|KAF3800951.1 CGLO|KAF3802819.1 CHIG|XP\_018158428.1 CVIN|KAF4894125.1 CVIN|KAF4912785.1 CVYL|A05954 CVYL|A11366 FGRM|XP\_011325269.1 FGRM|XP\_011327422.1 MORY|QBZ56712.1 NCRA|XP\_011395069.1

>Orthogroup1437: ANID|CBF74866.1 ANID|CBF81133.1 BCIN|XP\_001553112.1 CFRU|XP\_031892711.1 CGLO|KAF3809164.1 CHIG|XP\_018155986.1 CVIN|KAF4919819.1 CVYL|A01351 FGRM|XP\_011317636.1 FGRM|XP\_011318966.1 MGRA|XP\_003850745.1 MGRA|XP\_003857242.1 MLAR|XP\_007404910.1 MORY|QBZ56120.1 NCRA|XP\_957862.2 SSCL|APA16099.1

>Orthogroup1438: ANID|CBF74944.1 ANID|CBF83824.1 ANID|CBF84265.1 BCIN|XP\_024550675.1 CFRU|XP\_031884483.1 CFRU|XP\_031890218.1 CGLO|KAF3798265.1 CGLO|KAF3799039.1 CHIG|XP\_018151320.1 CHIG|XP\_018154964.1 CVIN|KAF4916923.1 CVYL|A09247 CVYL|A11489 FGRM|XP\_011321422.1 MGRA|XP\_003853303.1 NCRA|XP\_965207.1

>Orthogroup1439: ANID|CBF74954.1 CFRU|XP\_031877453.1 CFRU|XP\_031878558.1 CFRU|XP\_031885011.1 CGLO|KAF3798447.1 CGLO|KAF3800297.1 CHIG|XP\_018161234.1 CHIG|XP\_018162786.1 CVIN|KAF4927583.1 CVYL|A06936 CVYL|A11192 FGRM|XP\_011321926.1 FGRM|XP\_011322329.1 MGRA|XP\_003851063.1 MORY|QBZ63877.1 NCRA|XP\_956943.1

>Orthogroup1440: ANID|CBF75320.1 ANID|CBF85179.1 BCIN|XP\_001559959.2 BGRA|VDB84118.1 CFRU|XP\_031884446.1 CGLO|KAF3799761.1 CHIG|XP\_018155048.1 CHIG|XP\_018158242.1 CVIN|KAF4918955.1 CVYL|A11336 FGRM|XP\_011328582.1 MGRA|XP\_003855844.1 MLAR|XP\_007416600.1 MORY|QBZ55857.1 NCRA|XP\_964546.1 SSCL|APA09777.1

>Orthogroup1441: ANID|CBF75344.1 BCIN|XP\_001557891.1 BCIN|XP\_024548696.1 CFRU|XP\_031887749.1 CFRU|XP\_031889940.1 CGLO|KAF3802836.1 CGLO|KAF3811624.1 CHIG|XP\_018160896.1 CVIN|KAF4910478.1 CVIN|KAF4921424.1 CVYL|A03483 CVYL|A05176 FGRM|XP\_011325214.1 MGRA|XP\_003853520.1 NCRA|XP\_956410.1 SSCL|APA12786.1

>Orthogroup1442: ANID|CBF75543.1 BCIN|XP\_024550728.1 CFRU|XP\_031887874.1 CGLO|KAF3802293.1 CHIG|XP\_018152058.1 CHIG|XP\_018154393.1 CHIG|XP\_018154394.1 CHIG|XP\_018161572.1 CVIN|KAF4924418.1 CVYL|A10596 FGRM|XP\_011319777.1 MGRA|XP\_003853304.1 MORY|QBZ58402.1 MORY|QBZ65736.1 NCRA|XP\_965553.3 SSCL|APA11702.1

>Orthogroup1443: ANID|CBF75629.1 ANID|CBF84482.1 BCIN|XP\_001548151.1 BGRA|VCU40709.1 CFRU|XP\_031890698.1 CGLO|KAF3804858.1 CHIG|XP\_018164390.1 CVIN|KAF4921148.1 CVYL|A12215 FGRM|XP\_011316264.1 FGRM|XP\_011328771.1 MGRA|XP\_003847876.1 MLAR|XP\_007412552.1 MORY|QBZ61669.1 NCRA|XP\_963761.1 SSCL|APA12763.1

>Orthogroup1444: ANID|CBF75687.1 BCIN|XP\_024551835.1 BGRA|VDB95004.1 BGRA|VDB95005.1 CFRU|XP\_031883767.1 CGLO|KAF3805067.1 CHIG|XP\_018163450.1 CVIN|KAF4902226.1 CVYL|A06493 FGRM|XP\_011318752.1 MGRA|XP\_003856880.1 MLAR|XP\_007404466.1 MORY|QBZ54172.1 NCRA|XP\_957485.2 SSCL|APA14736.1 SSCL|APA14737.1

>Orthogroup1445: ANID|CBF75756.1 BCIN|XP\_001557044.1 BCIN|XP\_024548652.1 CFRU|XP\_031890591.1 CGLO|KAF3806707.1 CHIG|XP\_018158682.1 CVIN|KAF4925997.1 CVYL|A14014 FGRM|XP\_011315926.1 MGRA|XP\_003852863.1 MLAR|XP\_007407727.1 MORY|QBZ54716.1 MORY|QBZ60425.1 NCRA|XP\_001728480.2 SSCL|APA08499.1 SSCL|APA09943.1

>Orthogroup1446: ANID|CBF75802.1 BCIN|XP\_024554042.1 CFRU|XP\_031878901.1 CFRU|XP\_031881762.1 CGLO|KAF3797854.1 CGLO|KAF3804585.1 CGLO|KAF3807891.1 CVIN|KAF4922594.1 CVYL|A05294 CVYL|A11522 FGRM|XP\_011321697.1 FGRM|XP\_011325993.1 MGRA|XP\_003853282.1 NCRA|XP\_958042.2 SSCL|APA15353.1 SSCL|APA15956.1

>Orthogroup1447: ANID|CBF76054.1 BCIN|XP\_024550683.1 CFRU|XP\_031887158.1 CGLO|KAF3809207.1 CHIG|XP\_018156032.1 CVIN|KAF4925319.1 CVYL|A01396 MGRA|XP\_003849010.1 MGRA|XP\_003849121.1 MGRA|XP\_003852707.1 MGRA|XP\_003853521.1 MGRA|XP\_003853778.1 MLAR|XP\_007411925.1 MORY|QBZ57087.1 NCRA|XP\_961433.1 SSCL|APA11505.1

>Orthogroup1448: ANID|CBF76185.1 ANID|CBF87332.1 BCIN|XP\_001549859.1 BCIN|XP\_024551234.1 CFRU|XP\_031887139.1 CGLO|KAF3811359.1 CHIG|XP\_018160573.1 CVIN|KAF4921024.1 CVYL|A04548 FGRM|XP\_011319984.1 FGRM|XP\_011326866.1 MLAR|XP\_007411338.1 MLAR|XP\_007411340.1 MLAR|XP\_007419354.1 MORY|QBZ62530.1 SSCL|APA08247.1

>Orthogroup1449: ANID|CBF76358.1 BCIN|XP\_001558505.1 BGRA|VDB95058.1 CFRU|XP\_031891036.1 CGLO|KAF3801596.1 CHIG|XP\_018150622.1 CHIG|XP\_018151352.1 CVIN|KAF4922684.1 CVYL|A12539 FGRM|XP\_011320347.1 MGRA|XP\_003854726.1 MGRA|XP\_003857600.1 MLAR|XP\_007411280.1 MORY|QBZ55756.1 NCRA|XP\_960219.1 SSCL|APA14697.1

>Orthogroup1450: ANID|CBF76534.1 BCIN|XP\_024547409.1 BGRA|VDB83834.1 BGRA|VDB83835.1 CFRU|XP\_031881930.1 CGLO|KAF3806067.1 CHIG|XP\_018164615.1 CVYL|A07447 FGRM|XP\_011316005.1 MLAR|XP\_007411993.1 MLAR|XP\_007415433.1 MLAR|XP\_007416890.1 MORY|QBZ58172.1 MORY|QBZ60941.1 NCRA|XP\_958586.1 SSCL|APA14427.1

>Orthogroup1451: ANID|CBF76613.1 BCIN|XP\_001549015.1 BGRA|VCU38951.1 CFRU|XP\_031892780.1 CGLO|KAF3797256.1 CGLO|KAF3806045.1 CHIG|XP\_018151826.1 CHIG|XP\_018157252.1 CVIN|KAF4920695.1 CVYL|A10437 FGRM|XP\_011320024.1 MGRA|XP\_003847660.1 MLAR|XP\_007417326.1 MORY|QBZ66167.1 NCRA|XP\_964862.3 SSCL|APA06994.1

>Orthogroup1452: ANID|CBF76633.1 BCIN|XP\_024549341.1 BGRA|VCU39068.1 CFRU|XP\_031880346.1 CGLO|KAF3807291.1 CHIG|XP\_018156965.1 CHIG|XP\_018156966.1 CVIN|KAF4918079.1 CVYL|A10780 FGRM|XP\_011320168.1 MGRA|XP\_003847589.1 MLAR|XP\_007407270.1 MLAR|XP\_007410628.1 MORY|QBZ65671.1 NCRA|XP\_964575.2 SSCL|APA15821.1

>Orthogroup1453: ANID|CBF76684.1 BCIN|XP\_024547439.1 CFRU|XP\_031876057.1 CFRU|XP\_031881083.1 CGLO|KAF3801996.1 CHIG|XP\_018159436.1 CHIG|XP\_018161358.1 CHIG|XP\_018162697.1 CVIN|KAF4917590.1 CVIN|KAF4919758.1 CVYL|A01849 CVYL|A02427 FGRM|XP\_011321709.1 MGRA|XP\_003849206.1 MORY|QBZ59983.1 SSCL|APA15975.1

>Orthogroup1454: ANID|CBF76852.1 ANID|CBF78584.1 BCIN|XP\_024546037.1 BGRA|VCU39081.1 CFRU|XP\_031887963.1 CGLO|KAF3802232.1 CHIG|XP\_018154336.1 CVIN|KAF4914862.1 CVYL|A03169 FGRM|XP\_011319850.1 MGRA|XP\_003847539.1 MLAR|XP\_007403551.1 MLAR|XP\_007405938.1 MORY|QBZ66020.1 NCRA|XP\_011392949.1 SSCL|APA07284.1

>Orthogroup1455: ANID|CBF76878.1 BCIN|XP\_024546050.1 BGRA|VCU39026.1 BGRA|VCU39027.1 CFRU|XP\_031887803.1 CGLO|KAF3802244.1 CHIG|XP\_018154349.1 CVIN|KAF4914851.1 CVYL|A03155 MGRA|XP\_003847762.1 MLAR|XP\_007407646.1 MLAR|XP\_007408593.1 MLAR|XP\_007415408.1 MORY|QBZ65629.1 NCRA|XP\_964714.1 SSCL|APA07269.1

>Orthogroup1456: ANID|CBF76914.1 BCIN|XP\_001550259.1 BGRA|VDB86360.1 CFRU|XP\_031882697.1 CGLO|KAF3803855.1 CHIG|XP\_018151054.1 CVIN|KAF4925418.1 CVYL|A08947 FGRM|XP\_011324263.1 MGRA|XP\_003849479.1 MLAR|XP\_007404157.1 MLAR|XP\_007404484.1 MLAR|XP\_007413153.1 MORY|QBZ56827.1 NCRA|XP\_957519.1 SSCL|APA12862.1

>Orthogroup1457: ANID|CBF76953.1 BCIN|XP\_001560525.1 BGRA|VDB85941.1 CFRU|XP\_031877697.1 CGLO|KAF3797324.1 CHIG|XP\_018157185.1 CVIN|KAF4917677.1 CVYL|A10370 FGRM|XP\_011320243.1 MGRA|XP\_003853841.1 MLAR|XP\_007408091.1 MLAR|XP\_007418765.1 MLAR|XP\_007419409.1 MORY|QBZ66293.1 NCRA|XP\_964281.1 SSCL|APA07724.1

>Orthogroup1458: ANID|CBF76967.1 ANID|CBF82824.1 BCIN|XP\_024547698.1 BGRA|VCU41150.1 CFRU|XP\_031887819.1 CGLO|KAF3802053.1 CHIG|XP\_018154178.1 CHIG|XP\_018158705.1 CVIN|KAF4901922.1 CVYL|A03335 FGRM|XP\_011322018.1 FGRM|XP\_011323003.1 MGRA|XP\_003854047.1 MORY|QBZ66405.1 NCRA|XP\_964798.1 SSCL|APA07912.1

>Orthogroup1459: ANID|CBF76983.1 BCIN|XP\_024550486.1 BGRA|VDB85654.1 CFRU|XP\_031877702.1 CGLO|KAF3797325.1 CHIG|XP\_018157183.1 CHIG|XP\_018157184.1 CVIN|KAF4917676.1 CVYL|A10369 FGRM|XP\_011320244.1 MGRA|XP\_003854220.1 MLAR|XP\_007410432.1 MLAR|XP\_007415373.1 MORY|QBZ66292.1 NCRA|XP\_011392937.1 SSCL|APA11204.1

>Orthogroup1460: ANID|CBF77060.1 ANID|CBF87913.1 BCIN|XP\_024548353.1 BCIN|XP\_024552349.1 BGRA|VCU40750.1 CFRU|XP\_031889373.1 CGLO|KAF3803156.1 CHIG|XP\_018155516.1 CVIN|KAF4928289.1 CVYL|A01042 FGRM|XP\_011321013.1 MGRA|XP\_003855259.1 MGRA|XP\_003857573.1 MLAR|XP\_007410190.1 SSCL|APA12368.1 SSCL|APA13235.1

>Orthogroup1461: ANID|CBF77201.1 BCIN|XP\_024550718.1 CFRU|XP\_031884179.1 CFRU|XP\_031887256.1 CGLO|KAF3803758.1 CGLO|KAF3809266.1 CHIG|XP\_018153152.1 CHIG|XP\_018156101.1 CVIN|KAF4907386.1 CVIN|KAF4912467.1 CVYL|A01459 CVYL|A14138 FGRM|XP\_011319316.1 MGRA|XP\_003856063.1 MORY|QBZ57396.1 SSCL|APA11557.1

>Orthogroup1462: ANID|CBF77222.1 ANID|CBF85748.1 BCIN|XP\_001553897.1 BCIN|XP\_024550085.1 CFRU|XP\_031887562.1 CGLO|KAF3807138.1 CGLO|KAF3809053.1 CHIG|XP\_018160934.1 CVIN|KAF4920163.1 CVYL|A03536 FGRM|XP\_011319617.1 FGRM|XP\_011323548.1 MGRA|XP\_003848742.1 MORY|QBZ64546.1 NCRA|XP\_962528.1 SSCL|APA10748.1

>Orthogroup1463: ANID|CBF77308.1 BCIN|XP\_024551297.1 BGRA|VCU41099.1 CFRU|XP\_031886592.1 CGLO|KAF3804118.1 CHIG|XP\_018162628.1 CHIG|XP\_018162629.1 CVIN|KAF4932027.1 CVYL|A07083 FGRM|XP\_011326650.1 MGRA|XP\_003856287.1 MLAR|XP\_007405923.1 MLAR|XP\_007410476.1 MORY|QBZ55626.1 NCRA|XP\_011393748.1 SSCL|APA10230.1

>Orthogroup1464: ANID|CBF77388.1 BCIN|XP\_024552928.1 BGRA|VCU41152.1 CFRU|XP\_031882479.1 CFRU|XP\_031882480.1 CGLO|KAF3807572.1 CHIG|XP\_018156362.1 CVIN|KAF4928973.1 CVYL|A02910 FGRM|XP\_011318939.1 MLAR|XP\_007409205.1 MLAR|XP\_007409206.1 MLAR|XP\_007416595.1 MORY|QBZ63103.1 NCRA|XP\_958044.2 SSCL|APA07542.1

>Orthogroup1465: ANID|CBF77424.1 BCIN|XP\_024546375.1 BCIN|XP\_024549545.1 BGRA|VDB90515.1 CFRU|XP\_031882761.1 CGLO|KAF3803436.1 CHIG|XP\_018164115.1 CVIN|KAF4926341.1 CVYL|A14365 FGRM|XP\_011326822.1 MGRA|XP\_003855982.1 MLAR|XP\_007406027.1 MLAR|XP\_007410706.1 MORY|QBZ56472.1 NCRA|XP\_964471.1 SSCL|APA06585.1

>Orthogroup1466: ANID|CBF77430.1 BCIN|XP\_001553619.1 BGRA|VDB90644.1 CFRU|XP\_031888531.1 CGLO|KAF3803755.1 CHIG|XP\_018153175.1 CVIN|KAF4912470.1 CVYL|A14135 FGRM|XP\_011326774.1 MLAR|XP\_007408196.1 MLAR|XP\_007408197.1 MORY|QBZ59792.1 MORY|QBZ62368.1 NCRA|XP\_956237.1 NCRA|XP\_965638.1 SSCL|APA06451.1

>Orthogroup1467: ANID|CBF77512.1 BCIN|XP\_024548209.1 BGRA|VCU40722.1 CFRU|XP\_031883614.1 CGLO|KAF3811901.1 CHIG|XP\_018155156.1 CHIG|XP\_018155157.1 CVIN|KAF4911830.1 CVYL|A06158 FGRM|XP\_011317380.1 MGRA|XP\_003848036.1 MLAR|XP\_007412717.1 MLAR|XP\_007418964.1 MORY|QBZ60961.1 NCRA|XP\_011393530.1 SSCL|APA12458.1

>Orthogroup1468: ANID|CBF77524.1 BCIN|XP\_001558731.1 BCIN|XP\_024548444.1 BGRA|VDB93180.1 CFRU|XP\_031885395.1 CGLO|KAF3799433.1 CHIG|XP\_018152306.1 CVIN|KAF4931734.1 CVYL|A13295 FGRM|XP\_011323718.1 MGRA|XP\_003848192.1 MLAR|XP\_007403605.1 MORY|QBZ64796.1 NCRA|XP\_956355.1 SSCL|APA12241.1 SSCL|APA13365.1

>Orthogroup1469: ANID|CBF77698.1 ANID|CBF85666.1 BCIN|XP\_001557805.1 CFRU|XP\_031881262.1 CFRU|XP\_031888766.1 CGLO|KAF3799315.1 CGLO|KAF3802535.1 CHIG|XP\_018154826.1 CVIN|KAF4919010.1 CVYL|A02123 FGRM|XP\_011325536.1 MGRA|XP\_003847976.1 MGRA|XP\_003855879.1 MORY|QBZ53788.1 NCRA|XP\_956307.1 SSCL|APA12140.1

>Orthogroup1470: ANID|CBF77751.1 BCIN|XP\_024551548.1 CFRU|XP\_031883107.1 CFRU|XP\_031891725.1 CGLO|KAF3801287.1 CGLO|KAF3808259.1 CHIG|XP\_018163151.1 CVIN|KAF4900289.1 CVIN|KAF4921566.1 CVYL|A00595 CVYL|A07801 FGRM|XP\_011321674.1 MGRA|XP\_003855533.1 MORY|QBZ58750.1 NCRA|XP\_962197.2 SSCL|APA14929.1

>Orthogroup1471: ANID|CBF77851.1 BCIN|XP\_001555380.1 BGRA|VDB86046.1 CFRU|XP\_031887090.1 CGLO|KAF3811458.1 CHIG|XP\_018160702.1 CVIN|KAF4917868.1 CVYL|A04660 FGRM|XP\_011327240.1 MGRA|XP\_003850459.1 MLAR|XP\_007408180.1 MLAR|XP\_007414055.1 MLAR|XP\_007417476.1 MORY|QBZ54260.1 NCRA|XP\_955998.2 SSCL|APA08125.1

>Orthogroup1472: ANID|CBF77853.1 BCIN|XP\_001555378.2 BGRA|VDB86052.1 CFRU|XP\_031886854.1 CGLO|KAF3811460.1 CHIG|XP\_018160704.1 CVIN|KAF4917887.1 CVYL|A04662 FGRM|XP\_011327242.1 MGRA|XP\_003850292.1 MLAR|XP\_007414151.1 MLAR|XP\_007416375.1 MLAR|XP\_007417389.1 MORY|QBZ54257.1 NCRA|XP\_011394531.1 SSCL|APA08124.1

>Orthogroup1473: ANID|CBF77930.1 ANID|CBF83704.1 BCIN|XP\_024547589.1 BGRA|VDB85884.1 CFRU|XP\_031886431.1 CHIG|XP\_018162139.1 CVIN|KAF4923939.1 CVYL|A11897 FGRM|XP\_011326608.1 MGRA|XP\_003850380.1 MLAR|XP\_007416013.1 MLAR|XP\_007416887.1 MORY|QBZ57889.1 MORY|QBZ61392.1 NCRA|XP\_962991.1 SSCL|APA07821.1

>Orthogroup1474: ANID|CBF78136.1 ANID|CBF80445.1 ANID|CBF82372.1 BCIN|XP\_024547467.1 BCIN|XP\_024548009.1 BCIN|XP\_024550475.1 CFRU|XP\_031893546.1 CFRU|XP\_031893553.1 CGLO|KAF3809630.1 CHIG|XP\_018152557.1 CHIG|XP\_018152558.1 CVIN|KAF4925012.1 CVIN|KAF4925013.1 FGRM|XP\_011319405.1 MORY|QBZ61849.1 SSCL|APA11188.1

>Orthogroup1475: ANID|CBF78195.1 BCIN|XP\_001558958.1 BCIN|XP\_024551137.1 BGRA|VDB92856.1 CFRU|XP\_031887897.1 CHIG|XP\_018154416.1 CVIN|KAF4891977.1 CVYL|A10818 FGRM|XP\_011319750.1 FGRM|XP\_011321044.1 MGRA|XP\_003852727.1 MLAR|XP\_007415759.1 MORY|QBZ65908.1 NCRA|XP\_965533.1 SSCL|APA05826.1 SSCL|APA12088.1

>Orthogroup1476: ANID|CBF78197.1 BCIN|XP\_024550984.1 BGRA|VDB89828.1 CFRU|XP\_031892544.1 CFRU|XP\_031892545.1 CGLO|KAF3797222.1 CGLO|KAF3797223.1 CHIG|XP\_018157284.1 CVIN|KAF4917696.1 CVYL|A10473 FGRM|XP\_011323384.1 MGRA|XP\_003856192.1 MORY|QBZ53764.1 NCRA|XP\_011393231.1 NCRA|XP\_011395222.1 SSCL|APA11594.1

>Orthogroup1477: ANID|CBF78311.1 CFRU|XP\_031875701.1 CFRU|XP\_031892276.1 CGLO|KAF3798111.1 CGLO|KAF3805627.1 CHIG|XP\_018163601.1 CVIN|KAF4925690.1 CVIN|KAF4927996.1 CVYL|A07572 CVYL|A08248 FGRM|XP\_011326228.1 MGRA|XP\_003854933.1 MORY|QBZ63070.1 NCRA|XP\_959564.2 NCRA|XP\_963141.3 NCRA|XP\_963395.1

>Orthogroup1478: ANID|CBF78640.1 BCIN|XP\_024552063.1 BGRA|VCU39185.1 CFRU|XP\_031893594.1 CGLO|KAF3799098.1 CHIG|XP\_018157439.1 CVIN|KAF4908261.1 CVYL|A09443 FGRM|XP\_011321336.1 MGRA|XP\_003849493.1 MLAR|XP\_007407105.1 MLAR|XP\_007416441.1 MLAR|XP\_007419669.1 MORY|QBZ57173.1 NCRA|XP\_962692.3 SSCL|APA12836.1

>Orthogroup1479: ANID|CBF78756.1 BCIN|XP\_001551936.1 BGRA|VDB94771.1 CFRU|XP\_031877388.1 CGLO|KAF3805335.1 CHIG|XP\_018162015.1 CVIN|KAF4931545.1 CVYL|A11723 FGRM|XP\_011318483.1 FGRM|XP\_011322380.1 MGRA|XP\_003855036.1 MGRA|XP\_003855194.1 MLAR|XP\_007413118.1 MORY|QBZ59652.1 NCRA|XP\_962879.1 SSCL|APA10939.1

>Orthogroup1480: ANID|CBF78972.1 BCIN|XP\_024550249.1 CFRU|XP\_031881692.1 CFRU|XP\_031889870.1 CGLO|KAF3807443.1 CHIG|XP\_018159096.1 CVIN|KAF4914558.1 CVIN|KAF4918526.1 CVYL|A10949 CVYL|A13606 FGRM|XP\_011325176.1 MGRA|XP\_003856290.1 MLAR|XP\_007405296.1 MLAR|XP\_007416424.1 MORY|QBZ63965.1 SSCL|APA10926.1

>Orthogroup1481: ANID|CBF78991.1 BCIN|XP\_024552319.1 CFRU|XP\_031877910.1 CFRU|XP\_031887767.1 CGLO|KAF3803271.1 CGLO|KAF3810932.1 CHIG|XP\_018161125.1 CVIN|KAF4928704.1 CVYL|A02213 CVYL|A03705 FGRM|XP\_011327958.1 MGRA|XP\_003849844.1 MLAR|XP\_007411210.1 MORY|QBZ58365.1 NCRA|XP\_962018.1 SSCL|APA13202.1

>Orthogroup1482: ANID|CBF79099.1 ANID|CBF83525.1 BCIN|XP\_001553640.1 BCIN|XP\_024547944.1 BGRA|VDB89035.1 CFRU|XP\_031891951.1 CGLO|KAF3805585.1 CHIG|XP\_018164714.1 CVIN|KAF4922387.1 CVYL|A07616 FGRM|XP\_011324954.1 MGRA|XP\_003848589.1 MGRA|XP\_003854380.1 MORY|QBZ62320.1 NCRA|XP\_959632.1 SSCL|APA13449.1

>Orthogroup1483: ANID|CBF79351.1 BCIN|XP\_024548073.1 BGRA|VCU40957.1 BGRA|VCU40969.1 CFRU|XP\_031887445.1 CGLO|KAF3809192.1 CHIG|XP\_018156016.1 CVIN|KAF4925300.1 CVYL|A01381 FGRM|XP\_011319060.1 MGRA|XP\_003851801.1 MLAR|XP\_007410464.1 MLAR|XP\_007410467.1 MORY|QBZ62564.1 NCRA|XP\_961333.1 SSCL|APA12751.1

>Orthogroup1484: ANID|CBF79548.1 ANID|CBF80151.1 ANID|CBF90088.1 BCIN|XP\_024549894.1 CFRU|XP\_031886885.1 CGLO|KAF3811325.1 CHIG|XP\_018160551.1 CVIN|KAF4927244.1 CVYL|A04506 FGRM|XP\_011327143.1 MGRA|XP\_003850625.1 MLAR|XP\_007405528.1 MLAR|XP\_007410479.1 MORY|QBZ58032.1 NCRA|XP\_961182.3 SSCL|APA05574.1

>Orthogroup1485: ANID|CBF79583.1 BCIN|XP\_024552580.1 BGRA|VCU39406.1 CFRU|XP\_031885832.1 CGLO|KAF3810176.1 CHIG|XP\_018157795.1 CVIN|KAF4929169.1 CVYL|A02768 FGRM|XP\_011320121.1 MGRA|XP\_003856363.1 MLAR|XP\_007404062.1 MLAR|XP\_007405886.1 MLAR|XP\_007408787.1 MORY|QBZ61286.1 NCRA|XP\_957553.1 SSCL|APA15640.1

>Orthogroup1486: ANID|CBF79713.1 BCIN|XP\_024550700.1 CFRU|XP\_031879987.1 CFRU|XP\_031886265.1 CGLO|KAF3798953.1 CGLO|KAF3806279.1 CHIG|XP\_018152861.1 CHIG|XP\_018162107.1 CVIN|KAF4923502.1 CVIN|KAF4923920.1 CVYL|A07869 CVYL|A11870 MORY|QBZ57551.1 NCRA|XP\_956768.1 NCRA|XP\_958348.1 SSCL|APA11531.1

>Orthogroup1487: ANID|CBF79952.1 BCIN|XP\_001560539.1 BGRA|VDB83909.1 CFRU|XP\_031882961.1 CFRU|XP\_031887035.1 CGLO|KAF3807965.1 CGLO|KAF3811280.1 CHIG|XP\_018152451.1 CHIG|XP\_018160504.1 CVYL|A00663 CVYL|A04454 FGRM|XP\_011323630.1 MGRA|XP\_003853833.1 MORY|QBZ57014.1 NCRA|XP\_961507.3 SSCL|APA07718.1

>Orthogroup1488: ANID|CBF79983.1 ANID|CBF81911.1 ANID|CBF83708.1 BCIN|XP\_024551198.1 BGRA|VCU39446.1 CFRU|XP\_031886638.1 CGLO|KAF3801215.1 CHIG|XP\_018162598.1 CVIN|KAF4932111.1 CVYL|A07117 FGRM|XP\_011324119.1 MGRA|XP\_003850301.1 MLAR|XP\_007416586.1 MORY|QBZ56505.1 NCRA|XP\_958008.3 SSCL|APA10144.1

>Orthogroup1489: ANID|CBF80465.1 ANID|CBF86686.1 BCIN|XP\_024546814.1 CFRU|XP\_031889127.1 CGLO|KAF3797708.1 CHIG|XP\_018155496.1 CVIN|KAF4928298.1 CVYL|A01067 FGRM|XP\_011320841.1 MGRA|XP\_003853364.1 MGRA|XP\_003854538.1 MORY|QBZ55871.1 MORY|QBZ57810.1 NCRA|XP\_958209.2 NCRA|XP\_964543.3 SSCL|APA06076.1

>Orthogroup1490: ANID|CBF80533.1 BCIN|XP\_001554563.1 CFRU|XP\_031887272.1 CFRU|XP\_031889137.1 CGLO|KAF3803124.1 CGLO|KAF3809178.1 CHIG|XP\_018156001.1 CVIN|KAF4919836.1 CVYL|A01013 CVYL|A01365 FGRM|XP\_011319181.1 FGRM|XP\_011324423.1 MGRA|XP\_003851786.1 MORY|QBZ57437.1 NCRA|XP\_001728306.1 SSCL|APA11627.1

>Orthogroup1491: ANID|CBF80635.1 ANID|CBF89254.1 CFRU|XP\_031891003.1 CGLO|KAF3801933.1 CGLO|KAF3801934.1 CGLO|KAF3811700.1 CHIG|XP\_018161819.1 FGRM|XP\_011315618.1 FGRM|XP\_011320653.1 FGRM|XP\_011322891.1 FGRM|XP\_011324395.1 FGRM|XP\_011328669.1 MORY|QBZ60814.1 NCRA|XP\_011394222.1 SSCL|APA07678.1 SSCL|APA10648.1

>Orthogroup1492: ANID|CBF80957.1 BCIN|XP\_001552082.1 BGRA|VDB89196.1 CFRU|XP\_031886925.1 CGLO|KAF3811380.1 CHIG|XP\_018160615.1 CVIN|KAF4921014.1 CVYL|A04572 FGRM|XP\_011327203.1 MGRA|XP\_003851150.1 MLAR|XP\_007406011.1 MLAR|XP\_007413643.1 MLAR|XP\_007413644.1 MORY|QBZ58044.1 NCRA|XP\_959192.1 SSCL|APA09812.1

>Orthogroup1493: ANID|CBF81041.1 ANID|CBF86993.1 BCIN|XP\_001552615.2 BGRA|VCU39562.1 CFRU|XP\_031889404.1 CGLO|KAF3808781.1 CHIG|XP\_018155683.1 CVIN|KAF4900705.1 CVYL|A00884 FGRM|XP\_011319251.1 MGRA|XP\_003847624.1 MLAR|XP\_007413468.1 MLAR|XP\_007416791.1 MORY|QBZ58707.1 NCRA|XP\_960580.2 SSCL|APA11457.1

>Orthogroup1494: ANID|CBF81081.1 BCIN|XP\_001560972.2 BGRA|VCU40817.1 CFRU|XP\_031889562.1 CGLO|KAF3810457.1 CHIG|XP\_018159172.1 CVIN|KAF4924653.1 CVYL|A14011 FGRM|XP\_011327286.1 MGRA|XP\_003853414.1 MGRA|XP\_003854390.1 MLAR|XP\_007413374.1 MLAR|XP\_007415591.1 MORY|QBZ59205.1 NCRA|XP\_958037.1 SSCL|APA06710.1

>Orthogroup1495: ANID|CBF81254.1 BCIN|XP\_024546277.1 CFRU|XP\_031891413.1 CFRU|XP\_031892356.1 CGLO|KAF3803048.1 CHIG|XP\_018153595.1 CVIN|KAF4929981.1 CVYL|A00059 FGRM|XP\_011316275.1 MGRA|XP\_003851274.1 MGRA|XP\_003857441.1 MLAR|XP\_007403541.1 MLAR|XP\_007406610.1 MORY|QBZ59420.1 NCRA|XP\_962095.2 SSCL|APA06944.1

>Orthogroup1496: ANID|CBF81525.1 BCIN|XP\_001549158.1 BCIN|XP\_024550810.1 CFRU|XP\_031878039.1 CGLO|KAF3799629.1 CHIG|XP\_018154635.1 CVIN|KAF4926433.1 CVYL|A13492 FGRM|XP\_011315979.1 FGRM|XP\_011317578.1 MGRA|XP\_003856647.1 MLAR|XP\_007414938.1 MORY|QBZ61024.1 MORY|QBZ63589.1 NCRA|XP\_963677.2 SSCL|APA11841.1

>Orthogroup1497: ANID|CBF81612.1 BCIN|XP\_024547842.1 BGRA|VDB90409.1 CFRU|XP\_031885813.1 CGLO|KAF3810245.1 CHIG|XP\_018157949.1 CVIN|KAF4910796.1 CVYL|A02847 FGRM|XP\_011319950.1 MGRA|XP\_003853791.1 MLAR|XP\_007410942.1 MLAR|XP\_007416573.1 MLAR|XP\_007416726.1 MLAR|XP\_007416733.1 NCRA|XP\_958811.1 SSCL|APA08157.1

>Orthogroup1498: ANID|CBF81672.1 BCIN|XP\_001548184.1 BGRA|VCU38948.1 CFRU|XP\_031882551.1 CFRU|XP\_031885917.1 CGLO|KAF3796932.1 CGLO|KAF3801176.1 CHIG|XP\_018152234.1 CVIN|KAF4901186.1 CVIN|KAF4911045.1 CVYL|A06216 FGRM|XP\_011322352.1 MGRA|XP\_003853794.1 MORY|QBZ56640.1 NCRA|XP\_011393557.1 SSCL|APA15563.1

>Orthogroup1499: ANID|CBF81710.1 BCIN|XP\_024551589.1 CFRU|XP\_031878790.1 CFRU|XP\_031878792.1 CHIG|XP\_018151586.1 CHIG|XP\_018161334.1 CVIN|KAF4917600.1 CVIN|KAF4917601.1 CVYL|A01871 CVYL|A01872 FGRM|XP\_011328564.1 MGRA|XP\_003854000.1 MGRA|XP\_003854001.1 MORY|QBZ53573.1 MORY|QBZ62707.1 SSCL|APA14883.1

>Orthogroup1500: ANID|CBF81731.1 BCIN|XP\_001553653.2 BGRA|VCU40052.1 CFRU|XP\_031891728.1 CGLO|KAF3800088.1 CHIG|XP\_018165034.1 CVIN|KAF4892843.1 CVYL|A06782 FGRM|XP\_011325469.1 MGRA|XP\_003851751.1 MLAR|XP\_007410665.1 MORY|QBZ54526.1 MORY|QBZ60748.1 MORY|QBZ66232.1 NCRA|XP\_956337.3 SSCL|APA13456.1

>Orthogroup1501: ANID|CBF81804.1 CFRU|XP\_031880104.1 CFRU|XP\_031893122.1 CGLO|KAF3797751.1 CGLO|KAF3808086.1 CHIG|XP\_018151696.1 CHIG|XP\_018152789.1 CVIN|KAF4920619.1 CVIN|KAF4924913.1 CVYL|A08146 CVYL|A11402 FGRM|XP\_011319525.1 MGRA|XP\_003851456.1 MLAR|XP\_007413497.1 MORY|QBZ55008.1 NCRA|XP\_959559.2

>Orthogroup1502: ANID|CBF81808.1 BCIN|XP\_001552828.2 BGRA|VCU41219.1 CFRU|XP\_031889192.1 CGLO|KAF3808775.1 CHIG|XP\_018155677.1 CVIN|KAF4900706.1 CVYL|A00888 FGRM|XP\_011319240.1 MGRA|XP\_003847287.1 MGRA|XP\_003855979.1 MLAR|XP\_007415155.1 MLAR|XP\_007419017.1 MORY|QBZ58709.1 NCRA|XP\_960608.2 SSCL|APA07605.1

>Orthogroup1503: ANID|CBF81815.1 ANID|CBF84353.1 BCIN|XP\_024549419.1 CFRU|XP\_031878468.1 CFRU|XP\_031885001.1 CFRU|XP\_031893077.1 CGLO|KAF3804332.1 CGLO|KAF3807653.1 CHIG|XP\_018158425.1 CVIN|KAF4927806.1 CVYL|A05698 FGRM|XP\_011327399.1 MGRA|XP\_003856574.1 MORY|QBZ62429.1 SSCL|APA05938.1 SSCL|APA13533.1

>Orthogroup1504: ANID|CBF81870.1 CFRU|XP\_031876142.1 CFRU|XP\_031879286.1 CFRU|XP\_031883073.1 CGLO|KAF3808271.1 CGLO|KAF3808563.1 CGLO|KAF3810288.1 CHIG|XP\_018153110.1 CHIG|XP\_018154530.1 CVIN|KAF4906491.1 CVIN|KAF4918593.1 CVYL|A00608 CVYL|A11262 CVYL|A11582 FGRM|XP\_011327734.1 MORY|QBZ66583.1

>Orthogroup1505: ANID|CBF82070.1 BCIN|XP\_024549780.1 BGRA|VDB83610.1 CFRU|XP\_031876720.1 CFRU|XP\_031876721.1 CGLO|KAF3798685.1 CGLO|KAF3798686.1 CHIG|XP\_018157469.1 CVIN|KAF4918483.1 CVYL|A09424 FGRM|XP\_011328119.1 MGRA|XP\_003851459.1 MLAR|XP\_007406111.1 MORY|QBZ56367.1 NCRA|XP\_957456.1 SSCL|APA05727.1

>Orthogroup1506: ANID|CBF82127.1 CFRU|XP\_031876141.1 CFRU|XP\_031879542.1 CGLO|KAF3802682.1 CGLO|KAF3810289.1 CHIG|XP\_018158372.1 CHIG|XP\_018158905.1 CHIG|XP\_018160119.1 CVIN|KAF4918592.1 CVIN|KAF4920439.1 CVYL|A07990 CVYL|A11261 FGRM|XP\_011319402.1 FGRM|XP\_011320548.1 MORY|QBZ62391.1 MORY|QBZ64244.1

>Orthogroup1507: ANID|CBF82150.1 BCIN|XP\_024548973.1 BCIN|XP\_024553209.1 CFRU|XP\_031889771.1 CGLO|KAF3805218.1 CHIG|XP\_018158854.1 CVIN|KAF4911342.1 CVYL|A13865 FGRM|XP\_011316446.1 MGRA|XP\_003853118.1 MLAR|XP\_007406620.1 MORY|QBZ56113.1 NCRA|XP\_011392929.1 NCRA|XP\_957446.1 SSCL|APA09557.1 SSCL|APA13477.1

>Orthogroup1508: ANID|CBF82152.1 BCIN|XP\_001546008.1 CFRU|XP\_031876274.1 CFRU|XP\_031891135.1 CGLO|KAF3797936.1 CGLO|KAF3805668.1 CHIG|XP\_018154477.1 CHIG|XP\_018161044.1 CHIG|XP\_018164666.1 CVIN|KAF4925678.1 CVYL|A07528 FGRM|XP\_011320813.1 FGRM|XP\_011325758.1 MGRA|XP\_003847670.1 MORY|QBZ57540.1 MORY|QBZ59394.1

>Orthogroup1509: ANID|CBF82180.1 ANID|CBF82295.1 ANID|CBF84172.1 ANID|CBF85138.1 BCIN|XP\_024551125.1 CFRU|XP\_031890851.1 CGLO|KAF3811669.1 CVIN|KAF4915957.1 CVYL|A12692 FGRM|XP\_011317988.1 FGRM|XP\_011317991.1 FGRM|XP\_011322176.1 MGRA|XP\_003849002.1 MGRA|XP\_003854053.1 MORY|QBZ64995.1 SSCL|APA15159.1

>Orthogroup1510: ANID|CBF82230.1 CFRU|XP\_031876462.1 CFRU|XP\_031893331.1 CGLO|KAF3798001.1 CGLO|KAF3798396.1 CGLO|KAF3802946.1 CHIG|XP\_018158037.1 CHIG|XP\_018162283.1 CVIN|KAF4897540.1 CVIN|KAF4905640.1 CVIN|KAF4922809.1 CVYL|A05427 CVYL|A08212 CVYL|A08353 FGRM|XP\_011325764.1 FGRM|XP\_011326987.1

>Orthogroup1511: ANID|CBF82407.1 BCIN|XP\_001558669.1 CFRU|XP\_031878466.1 CFRU|XP\_031890225.1 CHIG|XP\_018153911.1 CHIG|XP\_018158444.1 CVIN|KAF4910483.1 CVIN|KAF4912440.1 CVYL|A04818 CVYL|A05169 FGRM|XP\_011325159.1 MGRA|XP\_003852017.1 MORY|QBZ60790.1 MORY|QBZ64336.1 NCRA|XP\_959873.1 SSCL|APA05441.1

>Orthogroup1512: ANID|CBF82460.1 ANID|CBF88997.1 BCIN|XP\_001561110.1 CFRU|XP\_031890769.1 CFRU|XP\_031892399.1 CGLO|KAF3801522.1 CGLO|KAF3803065.1 CHIG|XP\_018153538.1 CVIN|KAF4919851.1 CVYL|A00075 FGRM|XP\_011316123.1 MGRA|XP\_003855880.1 MLAR|XP\_007411873.1 MORY|QBZ55561.1 NCRA|XP\_963724.2 SSCL|APA07075.1

>Orthogroup1513: ANID|CBF82611.1 BCIN|XP\_001548088.1 BGRA|VDB83966.1 CFRU|XP\_031889965.1 CGLO|KAF3802881.1 CHIG|XP\_018158492.1 CVIN|KAF4888157.1 CVYL|A05132 FGRM|XP\_011316405.1 MGRA|XP\_003853907.1 MGRA|XP\_003857553.1 MLAR|XP\_007404447.1 MORY|QBZ55924.1 MORY|QBZ58559.1 NCRA|XP\_963800.2 SSCL|APA09513.1

>Orthogroup1514: ANID|CBF82679.1 BCIN|XP\_024547133.1 BGRA|VDB88791.1 CFRU|XP\_031892023.1 CGLO|KAF3800138.1 CHIG|XP\_018165073.1 CVIN|KAF4925790.1 CVYL|A06828 FGRM|XP\_011327682.1 MGRA|XP\_003851572.1 MLAR|XP\_007404793.1 MLAR|XP\_007413055.1 MLAR|XP\_007413056.1 MORY|QBZ60649.1 NCRA|XP\_958443.1 SSCL|APA14037.1

>Orthogroup1515: ANID|CBF82749.1 CFRU|XP\_031883958.1 CFRU|XP\_031890802.1 CGLO|KAF3811690.1 CHIG|XP\_018151835.1 CHIG|XP\_018163442.1 CVIN|KAF4915941.1 CVIN|KAF4927417.1 CVYL|A06486 CVYL|A12716 FGRM|XP\_011320549.1 MLAR|XP\_007412481.1 MORY|QBZ53963.1 MORY|QBZ65160.1 MORY|QBZ66295.1 NCRA|XP\_959111.2

>Orthogroup1516: ANID|CBF82903.1 BCIN|XP\_001549514.2 BCIN|XP\_001551599.1 BCIN|XP\_001551745.2 BCIN|XP\_024546181.1 BCIN|XP\_024550078.1 BCIN|XP\_024551669.1 BCIN|XP\_024551771.1 BCIN|XP\_024553213.1 CFRU|XP\_031886814.1 CGLO|KAF3801209.1 CVIN|KAF4932042.1 CVYL|A07124 SSCL|APA11797.1 SSCL|APA12129.1 SSCL|APA14806.1

>Orthogroup1517: ANID|CBF83051.1 CFRU|XP\_031878788.1 CFRU|XP\_031880509.1 CFRU|XP\_031884136.1 CFRU|XP\_031887603.1 CGLO|KAF3803279.1 CGLO|KAF3811527.1 CHIG|XP\_018161117.1 CHIG|XP\_018164942.1 CVIN|KAF4926773.1 CVIN|KAF4928640.1 CVYL|A01910 CVYL|A03714 CVYL|A04737 CVYL|A04738 MORY|QBZ58618.1

>Orthogroup1518: ANID|CBF83136.1 ANID|CBF84254.1 BCIN|XP\_024552515.1 CFRU|XP\_031883037.1 CFRU|XP\_031889501.1 CFRU|XP\_031889669.1 CGLO|KAF3805928.1 CGLO|KAF3805972.1 CGLO|KAF3808301.1 CHIG|XP\_018158928.1 CVIN|KAF4911891.1 CVYL|A13784 FGRM|XP\_011319277.1 MGRA|XP\_003849993.1 NCRA|XP\_962854.3 SSCL|APA08478.1

>Orthogroup1519: ANID|CBF83288.1 ANID|CBF86239.1 BCIN|XP\_001554046.1 BGRA|VDB94575.1 CFRU|XP\_031884330.1 CGLO|KAF3806463.1 CHIG|XP\_018162355.1 CVIN|KAF4908634.1 CVYL|A12062 FGRM|XP\_011323929.1 MGRA|XP\_003848788.1 MLAR|XP\_007406165.1 MLAR|XP\_007416832.1 MORY|QBZ62954.1 NCRA|XP\_957140.3 SSCL|APA11131.1

>Orthogroup1520: ANID|CBF83371.1 ANID|CBF84064.1 CFRU|XP\_031881229.1 CFRU|XP\_031881810.1 CFRU|XP\_031888754.1 CGLO|KAF3797849.1 CGLO|KAF3804153.1 CGLO|KAF3810995.1 CHIG|XP\_018154865.1 CVIN|KAF4908862.1 CVIN|KAF4918382.1 CVIN|KAF4921827.1 CVYL|A02159 CVYL|A03785 CVYL|A11527 MGRA|XP\_003852544.1

>Orthogroup1521: ANID|CBF83376.1 BCIN|XP\_001556366.2 CFRU|XP\_031881893.1 CFRU|XP\_031885792.1 CGLO|KAF3797836.1 CGLO|KAF3810116.1 CHIG|XP\_018157868.1 CVIN|KAF4908856.1 CVIN|KAF4910240.1 CVYL|A02708 CVYL|A11542 FGRM|XP\_011320299.1 MORY|QBZ62262.1 NCRA|XP\_001728439.2 NCRA|XP\_957691.3 SSCL|APA08708.1

>Orthogroup1522: ANID|CBF83419.1 BCIN|XP\_024548581.1 BGRA|VDB89406.1 CFRU|XP\_031882704.1 CGLO|KAF3799398.1 CHIG|XP\_018152251.1 CVIN|KAF4931827.1 CVYL|A13262 FGRM|XP\_011324612.1 MGRA|XP\_003851507.1 MLAR|XP\_007405500.1 MLAR|XP\_007405501.1 MLAR|XP\_007416516.1 MORY|QBZ54008.1 NCRA|XP\_001728435.2 SSCL|APA10014.1

>Orthogroup1523: ANID|CBF83555.1 BCIN|XP\_024553200.1 BGRA|VDB88805.1 CFRU|XP\_031877652.1 CGLO|KAF3801105.1 CHIG|XP\_018153756.1 CVIN|KAF4909552.1 CVYL|A11290 FGRM|XP\_011327780.1 MGRA|XP\_003851794.1 MLAR|XP\_007416995.1 MLAR|XP\_007417031.1 MLAR|XP\_007417032.1 MORY|QBZ60623.1 NCRA|XP\_957882.1 SSCL|APA13467.1

>Orthogroup1524: ANID|CBF83785.1 BCIN|XP\_001548004.2 BGRA|VDB83816.1 CFRU|XP\_031879697.1 CGLO|KAF3798219.1 CHIG|XP\_018153936.1 CVIN|KAF4916807.1 CVYL|A04902 FGRM|XP\_011324701.1 MGRA|XP\_003851809.1 MLAR|XP\_007405810.1 MLAR|XP\_007416175.1 MLAR|XP\_007419364.1 MORY|QBZ60770.1 NCRA|XP\_958972.1 SSCL|APA14248.1

>Orthogroup1525: ANID|CBF84066.1 BCIN|XP\_001546716.1 BGRA|VDB92945.1 CFRU|XP\_031879659.1 CGLO|KAF3798229.1 CHIG|XP\_018154008.1 CVIN|KAF4930125.1 CVYL|A04893 FGRM|XP\_011325595.1 FGRM|XP\_011325729.1 MGRA|XP\_003851637.1 MLAR|XP\_007416136.1 MLAR|XP\_007419644.1 MORY|QBZ61218.1 NCRA|XP\_959935.1 SSCL|APA14011.1

>Orthogroup1526: ANID|CBF84067.1 BCIN|XP\_024546139.1 BCIN|XP\_024547114.1 BGRA|VDB92974.1 CFRU|XP\_031879665.1 CGLO|KAF3798228.1 CHIG|XP\_018154007.1 CVIN|KAF4930126.1 CVYL|A04894 FGRM|XP\_011325594.1 MGRA|XP\_003851638.1 MLAR|XP\_007409925.1 MORY|QBZ61217.1 NCRA|XP\_959933.2 SSCL|APA07140.1 SSCL|APA14012.1

>Orthogroup1527: ANID|CBF84157.1 BCIN|XP\_001545747.2 CFRU|XP\_031875348.1 CFRU|XP\_031875350.1 CFRU|XP\_031886096.1 CGLO|KAF3805506.1 CHIG|XP\_018155353.1 CVIN|KAF4918297.1 CVYL|A05630 FGRM|XP\_011317398.1 MGRA|XP\_003848277.1 MLAR|XP\_007411438.1 MLAR|XP\_007418907.1 MORY|QBZ58963.1 NCRA|XP\_963405.1 SSCL|APA05487.1

>Orthogroup1528: ANID|CBF84427.1 CFRU|XP\_031878952.1 CFRU|XP\_031879229.1 CGLO|KAF3807054.1 CGLO|KAF3807896.1 CHIG|XP\_018159691.1 CHIG|XP\_018163075.1 CVIN|KAF4920277.1 CVIN|KAF4922611.1 CVYL|A00718 CVYL|A06348 FGRM|XP\_011322097.1 FGRM|XP\_011323222.1 MGRA|XP\_003855968.1 MORY|QBZ64268.1 MORY|QBZ65483.1

>Orthogroup1529: ANID|CBF84619.1 ANID|CBF86768.1 CFRU|XP\_031876066.1 CFRU|XP\_031881231.1 CFRU|XP\_031890179.1 CGLO|KAF3801992.1 CGLO|KAF3806604.1 CHIG|XP\_018154866.1 CHIG|XP\_018159516.1 CVIN|KAF4916919.1 CVIN|KAF4919796.1 CVIN|KAF4921828.1 CVYL|A02158 CVYL|A09262 FGRM|XP\_011320777.1 MORY|QBZ59931.1

>Orthogroup1530: ANID|CBF84672.1 BCIN|XP\_001558518.2 CFRU|XP\_031884530.1 CFRU|XP\_031888527.1 CFRU|XP\_031888771.1 CGLO|KAF3796956.1 CGLO|KAF3804188.1 CHIG|XP\_018163911.1 CVIN|KAF4903965.1 CVIN|KAF4922255.1 CVYL|A14501 FGRM|XP\_011316995.1 MGRA|XP\_003856749.1 MORY|QBZ56031.1 NCRA|XP\_964179.1 SSCL|APA14687.1

>Orthogroup1531: ANID|CBF85338.1 ANID|CBF86224.1 BCIN|XP\_024552599.1 BGRA|VDB92927.1 CFRU|XP\_031889086.1 CGLO|KAF3797671.1 CHIG|XP\_018155444.1 CVIN|KAF4919387.1 CVYL|A01099 FGRM|XP\_011323890.1 MGRA|XP\_003857213.1 MLAR|XP\_007407198.1 MLAR|XP\_007415331.1 MORY|QBZ57695.1 NCRA|XP\_011394978.1 SSCL|APA15676.1

>Orthogroup1532: ANID|CBF85365.1 BCIN|XP\_001554147.1 CFRU|XP\_031886016.1 CGLO|KAF3806570.1 CHIG|XP\_018157609.1 CVIN|KAF4920456.1 CVYL|A09297 FGRM|XP\_011317825.1 MGRA|XP\_003852829.1 MORY|QBZ53317.1 MORY|QBZ57530.1 MORY|QBZ57621.1 MORY|QBZ58915.1 MORY|QBZ66518.1 NCRA|XP\_962385.3 SSCL|APA05512.1

>Orthogroup1533: ANID|CBF85444.1 ANID|CBF85446.1 BCIN|XP\_024552482.1 BGRA|VDB87810.1 CFRU|XP\_031885628.1 CGLO|KAF3810146.1 CHIG|XP\_018157976.1 CHIG|XP\_018157977.1 CVIN|KAF4929152.1 CVYL|A02735 FGRM|XP\_011328542.1 MGRA|XP\_003853072.1 MLAR|XP\_007410729.1 MORY|QBZ56102.1 NCRA|XP\_957688.3 SSCL|APA08530.1

>Orthogroup1534: ANID|CBF85521.1 BCIN|XP\_001560543.1 BCIN|XP\_024546990.1 BGRA|VCU38812.1 CFRU|XP\_031886898.1 CGLO|KAF3811291.1 CHIG|XP\_018160516.1 CVIN|KAF4927269.1 CVYL|A04440 FGRM|XP\_011323625.1 MGRA|XP\_003856445.1 MLAR|XP\_007411803.1 MORY|QBZ58001.1 NCRA|XP\_958770.2 SSCL|APA05944.1 SSCL|APA07720.1

>Orthogroup1535: ANID|CBF85790.1 BCIN|XP\_001554773.1 BGRA|VDB88110.1 CFRU|XP\_031876196.1 CFRU|XP\_031876297.1 CFRU|XP\_031890921.1 CGLO|KAF3801580.1 CHIG|XP\_018151335.1 CVIN|KAF4887772.1 CVYL|A12554 FGRM|XP\_011328269.1 MGRA|XP\_003852979.1 MLAR|XP\_007412824.1 MORY|QBZ53895.1 NCRA|XP\_960249.1 SSCL|APA15500.1

>Orthogroup1536: ANID|CBF85962.1 BCIN|XP\_001550233.1 BGRA|VCU39662.1 CFRU|XP\_031878232.1 CFRU|XP\_031890550.1 CGLO|KAF3806689.1 CHIG|XP\_018158658.1 CVIN|KAF4925990.1 CVYL|A13993 FGRM|XP\_011321665.1 FGRM|XP\_011325305.1 MGRA|XP\_003851093.1 MLAR|XP\_007416308.1 MORY|QBZ62085.1 NCRA|XP\_011394953.1 SSCL|APA16346.1

>Orthogroup1537: ANID|CBF85966.1 BCIN|XP\_001551699.1 BGRA|VDB93048.1 CFRU|XP\_031885495.1 CGLO|KAF3799522.1 CHIG|XP\_018154511.1 CVIN|KAF4931766.1 CVYL|A13382 FGRM|XP\_011321200.1 FGRM|XP\_011325766.1 MGRA|XP\_003856655.1 MGRA|XP\_003857076.1 MLAR|XP\_007407831.1 MORY|QBZ62078.1 NCRA|XP\_956950.3 SSCL|APA11610.1

>Orthogroup1538: ANID|CBF86151.1 BCIN|XP\_024546362.1 BGRA|VDB90660.1 CFRU|XP\_031882851.1 CFRU|XP\_031882870.1 CGLO|KAF3803441.1 CHIG|XP\_018163969.1 CHIG|XP\_018164110.1 CVIN|KAF4926336.1 CVYL|A14370 FGRM|XP\_011316232.1 MGRA|XP\_003848707.1 MLAR|XP\_007404067.1 MORY|QBZ63868.1 NCRA|XP\_964030.3 SSCL|APA06862.1

>Orthogroup1539: ANID|CBF86426.1 BCIN|XP\_024549281.1 CFRU|XP\_031876691.1 CFRU|XP\_031890040.1 CGLO|KAF3798248.1 CGLO|KAF3801927.1 CHIG|XP\_018157651.1 CHIG|XP\_018159405.1 CVIN|KAF4900877.1 CVYL|A09232 FGRM|XP\_011324224.1 MGRA|XP\_003853857.1 MLAR|XP\_007411858.1 MORY|QBZ56273.1 NCRA|XP\_962641.3 SSCL|APA08902.1

>Orthogroup1540: ANID|CBF86540.1 BCIN|XP\_001557374.1 BCIN|XP\_024548663.1 BCIN|XP\_024553908.1 BGRA|VDB87634.1 CFRU|XP\_031886317.1 CGLO|KAF3806284.1 CHIG|XP\_018162112.1 CVIN|KAF4923924.1 CVYL|A11875 FGRM|XP\_011326555.1 MGRA|XP\_003850093.1 MORY|QBZ61375.1 NCRA|XP\_011393847.1 SSCL|APA10699.1 SSCL|APA15185.1

>Orthogroup1541: ANID|CBF87056.1 ANID|CBF87058.1 BCIN|XP\_001556903.1 CFRU|XP\_031880198.1 CFRU|XP\_031890205.1 CGLO|KAF3802871.1 CGLO|KAF3809026.1 CHIG|XP\_018155856.1 CVIN|KAF4918001.1 CVIN|KAF4923834.1 CVYL|A01601 CVYL|A05142 FGRM|XP\_011322856.1 FGRM|XP\_011325043.1 MGRA|XP\_003856970.1 MORY|QBZ64298.1

>Orthogroup1542: ANID|CBF87133.1 BCIN|XP\_024551910.1 BGRA|VDB89508.1 CFRU|XP\_031891794.1 CFRU|XP\_031892387.1 CGLO|KAF3812279.1 CHIG|XP\_018153504.1 CHIG|XP\_018164996.1 CVIN|KAF4919330.1 CVIN|KAF4919887.1 CVYL|A00104 FGRM|XP\_011320877.1 MGRA|XP\_003854588.1 MORY|QBZ55617.1 NCRA|XP\_958910.1 SSCL|APA06342.1

>Orthogroup1543: ANID|CBF87583.1 BCIN|XP\_001557747.2 BGRA|VDB93187.1 CFRU|XP\_031886140.1 CGLO|KAF3811959.1 CHIG|XP\_018155276.1 CVIN|KAF4930337.1 CVYL|A05545 FGRM|XP\_011324567.1 FGRM|XP\_011325139.1 FGRM|XP\_011325369.1 MGRA|XP\_003848099.1 MLAR|XP\_007404445.1 MORY|QBZ54077.1 NCRA|XP\_962562.2 SSCL|APA12185.1

>Orthogroup1544: ANID|CBF87642.1 BCIN|XP\_001553137.1 BGRA|VCU39644.1 CFRU|XP\_031881782.1 CGLO|KAF3800640.1 CHIG|XP\_018152044.1 CVIN|KAF4922015.1 CVYL|A13076 FGRM|XP\_011317350.1 MGRA|XP\_003857160.1 MLAR|XP\_007414556.1 MLAR|XP\_007415789.1 MLAR|XP\_007416392.1 MORY|QBZ60302.1 NCRA|XP\_963523.1 SSCL|APA16076.1

>Orthogroup1545: ANID|CBF87810.1 BCIN|XP\_024552942.1 CFRU|XP\_031879724.1 CFRU|XP\_031891915.1 CGLO|KAF3798555.1 CHIG|XP\_018153985.1 CHIG|XP\_018165105.1 CVIN|KAF4925795.1 CVIN|KAF4930173.1 CVYL|A04884 CVYL|A06865 FGRM|XP\_011325330.1 FGRM|XP\_011327321.1 MGRA|XP\_003853422.1 MORY|QBZ56180.1 SSCL|APA07566.1

>Orthogroup1546: ANID|CBF87819.1 BCIN|XP\_001558391.1 BGRA|VDB95090.1 CFRU|XP\_031883902.1 CGLO|KAF3805130.1 CHIG|XP\_018163384.1 CVIN|KAF4927462.1 CVYL|A06426 FGRM|XP\_011324174.1 MGRA|XP\_003857439.1 MLAR|XP\_007408245.1 MLAR|XP\_007412085.1 MLAR|XP\_007414293.1 MORY|QBZ59509.1 NCRA|XP\_962445.1 SSCL|APA06299.1

>Orthogroup1547: ANID|CBF87855.1 BCIN|XP\_024551791.1 BGRA|VDB92650.1 CFRU|XP\_031879828.1 CGLO|KAF3802959.1 CHIG|XP\_018153656.1 CVIN|KAF4929989.1 CVYL|A00391 FGRM|XP\_011317086.1 MGRA|XP\_003847581.1 MORY|QBZ57735.1 MORY|QBZ61783.1 MORY|QBZ63865.1 NCRA|XP\_011393007.1 NCRA|XP\_958952.1 SSCL|APA14643.1

>Orthogroup1548: ANID|CBF87930.1 BCIN|XP\_024546899.1 BCIN|XP\_024551581.1 BGRA|VDB92553.1 CFRU|XP\_031876491.1 CGLO|KAF3796993.1 CHIG|XP\_018153693.1 CVIN|KAF4894835.1 CVYL|A00323 FGRM|XP\_011317125.1 FGRM|XP\_011317639.1 FGRM|XP\_011319639.1 MGRA|XP\_003856812.1 MORY|QBZ63968.1 NCRA|XP\_965354.1 SSCL|APA14864.1

>Orthogroup1549: ANID|CBF88015.1 BCIN|XP\_001546459.2 BCIN|XP\_001556488.1 BGRA|VCU38768.1 CFRU|XP\_031877451.1 CGLO|KAF3805321.1 CHIG|XP\_018162030.1 CVIN|KAF4931509.1 CVYL|A11736 FGRM|XP\_011326328.1 FGRM|XP\_011327670.1 MLAR|XP\_007410547.1 MORY|QBZ62964.1 NCRA|XP\_957773.3 SSCL|APA06529.1 SSCL|APA08286.1

>Orthogroup1550: ANID|CBF88109.1 BCIN|XP\_024551652.1 CFRU|XP\_031877812.1 CFRU|XP\_031892371.1 CGLO|KAF3797287.1 CGLO|KAF3804780.1 CHIG|XP\_018164273.1 CVIN|KAF4901006.1 CVIN|KAF4929796.1 CVYL|A10404 CVYL|A12294 FGRM|XP\_011316135.1 MGRA|XP\_003856735.1 MORY|QBZ55427.1 NCRA|XP\_011393075.1 SSCL|APA14770.1

>Orthogroup1551: ANID|CBF88122.1 BCIN|XP\_001556914.1 BCIN|XP\_001561153.1 CFRU|XP\_031883879.1 CFRU|XP\_031885143.1 CGLO|KAF3804998.1 CGLO|KAF3807793.1 CHIG|XP\_018163002.1 CHIG|XP\_018163521.1 CVIN|KAF4921540.1 CVIN|KAF4927080.1 CVYL|A00808 CVYL|A06550 FGRM|XP\_011316256.1 MORY|QBZ54804.1 SSCL|APA07090.1

>Orthogroup1552: ANID|CBF88439.1 BCIN|XP\_001550002.1 BGRA|VCU41082.1 CFRU|XP\_031886685.1 CGLO|KAF3800275.1 CHIG|XP\_018162768.1 CVIN|KAF4927616.1 CVYL|A05445 CVYL|A06961 CVYL|A10004 FGRM|XP\_011318459.1 MGRA|XP\_003855456.1 MLAR|XP\_007411579.1 MORY|QBZ61532.1 NCRA|XP\_957354.2 SSCL|APA10501.1

>Orthogroup1553: ANID|CBF88469.1 BCIN|XP\_024545975.1 BGRA|VDB94680.1 CFRU|XP\_031889054.1 CFRU|XP\_031889687.1 CGLO|KAF3799368.1 CGLO|KAF3810600.1 CHIG|XP\_018159008.1 CVIN|KAF4893863.1 CVIN|KAF4910720.1 CVYL|A04663 CVYL|A13682 FGRM|XP\_011317204.1 MORY|QBZ57355.1 NCRA|XP\_959511.2 SSCL|APA07420.1

>Orthogroup1554: ANID|CBF88541.1 BCIN|XP\_001548842.1 BGRA|VCU38778.1 CFRU|XP\_031886083.1 CFRU|XP\_031886087.1 CGLO|KAF3805460.1 CHIG|XP\_018155322.1 CHIG|XP\_018155323.1 CVIN|KAF4930449.1 CVIN|KAF4930453.1 CVYL|A05590 CVYL|A05591 FGRM|XP\_011325580.1 MORY|QBZ59017.1 NCRA|XP\_011393630.1 SSCL|APA15967.1

>Orthogroup1555: ANID|CBF88679.1 BCIN|XP\_001553290.1 CFRU|XP\_031885931.1 CFRU|XP\_031892418.1 CGLO|KAF3807203.1 CHIG|XP\_018156529.1 CHIG|XP\_018164558.1 CVIN|KAF4928155.1 CVYL|A10694 FGRM|XP\_011326252.1 MGRA|XP\_003855597.1 MLAR|XP\_007406967.1 MORY|QBZ60436.1 MORY|QBZ65287.1 NCRA|XP\_964875.1 SSCL|APA12038.1

>Orthogroup1556: ANID|CBF88995.1 BCIN|XP\_001551236.2 BCIN|XP\_024549434.1 BGRA|VDB90872.1 CFRU|XP\_031888268.1 CGLO|KAF3803510.1 CHIG|XP\_018164041.1 CVIN|KAF4908036.1 CVYL|A14440 FGRM|XP\_011326525.1 MLAR|XP\_007405179.1 MLAR|XP\_007406711.1 MORY|QBZ56001.1 MORY|QBZ62805.1 NCRA|XP\_011393163.1 SSCL|APA09231.1

>Orthogroup1557: ANID|CBF89000.1 BCIN|XP\_001560711.1 BCIN|XP\_024552407.1 CFRU|XP\_031889841.1 CFRU|XP\_031892845.1 CGLO|KAF3805232.1 CGLO|KAF3807218.1 CHIG|XP\_018157024.1 CVIN|KAF4918668.1 CVIN|KAF4928119.1 CVYL|A10701 CVYL|A13882 FGRM|XP\_011321417.1 FGRM|XP\_011327364.1 MORY|QBZ66340.1 SSCL|APA07983.1

>Orthogroup1558: ANID|CBF89057.1 BCIN|XP\_024548939.1 BGRA|VCU40039.1 CFRU|XP\_031886286.1 CGLO|KAF3806174.1 CHIG|XP\_018162161.1 CVIN|KAF4931481.1 CVYL|A11760 FGRM|XP\_011324083.1 MGRA|XP\_003857423.1 MLAR|XP\_007404202.1 MLAR|XP\_007409277.1 MLAR|XP\_007413410.1 MORY|QBZ62960.1 NCRA|XP\_957133.1 SSCL|APA09526.1

>Orthogroup1559: ANID|CBF89120.1 ANID|CBF90029.1 BCIN|XP\_024552302.1 BGRA|VCU39171.1 CFRU|XP\_031876702.1 CGLO|KAF3798694.1 CHIG|XP\_018157462.1 CVIN|KAF4918500.1 CVYL|A09432 FGRM|XP\_011321360.1 FGRM|XP\_011322052.1 MGRA|XP\_003849335.1 MLAR|XP\_007415964.1 MORY|QBZ57154.1 NCRA|XP\_962714.3 SSCL|APA13256.1

>Orthogroup1560: ANID|CBF89126.1 BCIN|XP\_024549754.1 CFRU|XP\_031876266.1 CFRU|XP\_031879507.1 CGLO|KAF3802386.1 CGLO|KAF3805993.1 CVIN|KAF4922189.1 CVIN|KAF4925676.1 CVYL|A07523 CVYL|A13529 FGRM|XP\_011321420.1 FGRM|XP\_011321421.1 MORY|QBZ59871.1 MORY|QBZ59872.1 NCRA|XP\_963174.1 SSCL|APA05690.1

>Orthogroup1561: ANID|CBF89192.1 BCIN|XP\_024552164.1 CFRU|XP\_031878568.1 CGLO|KAF3798527.1 CHIG|XP\_018161205.1 CVIN|KAF4919298.1 CVYL|A03798 FGRM|XP\_011322695.1 FGRM|XP\_011324810.1 MGRA|XP\_003849624.1 MLAR|XP\_007417676.1 MORY|QBZ61119.1 MORY|QBZ64525.1 NCRA|XP\_961970.2 NCRA|XP\_964152.1 SSCL|APA13091.1

>Orthogroup1562: ANID|CBF89422.1 BCIN|XP\_024547770.1 BGRA|VDB90417.1 CFRU|XP\_031885663.1 CGLO|KAF3810108.1 CHIG|XP\_018157860.1 CVIN|KAF4910248.1 CVIN|KAF4919778.1 CVYL|A02439 CVYL|A02701 FGRM|XP\_011319968.1 MGRA|XP\_003854433.1 MLAR|XP\_007411357.1 MORY|QBZ62183.1 NCRA|XP\_011394996.1 SSCL|APA08031.1

>Orthogroup1563: ANID|CBF89437.1 BCIN|XP\_024547753.1 CFRU|XP\_031885736.1 CGLO|KAF3810201.1 CHIG|XP\_018157822.1 CVIN|KAF4929179.1 CVYL|A02796 FGRM|XP\_011328528.1 MGRA|XP\_003853352.1 MLAR|XP\_007409301.1 MLAR|XP\_007410574.1 MLAR|XP\_007411088.1 MLAR|XP\_007412277.1 MORY|QBZ60854.1 NCRA|XP\_011395018.1 SSCL|APA08011.1

>Orthogroup1564: ANID|CBF89550.1 BCIN|XP\_001550020.1 BGRA|VDB89093.1 CFRU|XP\_031884320.1 CGLO|KAF3806485.1 CHIG|XP\_018162381.1 CHIG|XP\_018162382.1 CVIN|KAF4902805.1 CVYL|A12084 FGRM|XP\_011323901.1 FGRM|XP\_011324684.1 MGRA|XP\_003848395.1 MLAR|XP\_007415810.1 MORY|QBZ61497.1 NCRA|XP\_011393809.1 SSCL|APA10487.1

>Orthogroup1565: ANID|CBF89639.1 BCIN|XP\_001547502.1 BCIN|XP\_001548776.1 BGRA|VDB89411.1 BGRA|VDB95287.1 CFRU|XP\_031889116.1 CGLO|KAF3803112.1 CHIG|XP\_018155607.1 CVIN|KAF4928321.1 CVYL|A01000 FGRM|XP\_011318077.1 MGRA|XP\_003852485.1 MORY|QBZ59607.1 NCRA|XP\_962938.3 SSCL|APA10761.1 SSCL|APA13320.1

>Orthogroup1566: ANID|CBF89929.1 BCIN|XP\_001547714.1 BGRA|VDB89664.1 CFRU|XP\_031887720.1 CGLO|KAF3803310.1 CHIG|XP\_018161161.1 CVIN|KAF4898737.1 CVYL|A03744 FGRM|XP\_011318396.1 MGRA|XP\_003849686.1 MLAR|XP\_007404552.1 MLAR|XP\_007407322.1 MLAR|XP\_007409901.1 MORY|QBZ64586.1 NCRA|XP\_962193.3 SSCL|APA13293.1

>Orthogroup1567: ANID|CBF90134.1 BCIN|XP\_001555229.1 BGRA|VDB88131.1 CFRU|XP\_031879419.1 CGLO|KAF3802418.1 CHIG|XP\_018154716.1 CVIN|KAF4918211.1 CVYL|A13561 FGRM|XP\_011319457.1 FGRM|XP\_011319841.1 FGRM|XP\_011325648.1 MGRA|XP\_003849735.1 MLAR|XP\_007412962.1 MORY|QBZ64866.1 NCRA|XP\_956523.3 SSCL|APA15620.1

>Orthogroup1568: ANID|CBF90165.1 BCIN|XP\_001548941.1 BCIN|XP\_024552221.1 BGRA|VDB92798.1 CFRU|XP\_031887677.1 CGLO|KAF3807175.1 CHIG|XP\_018161001.1 CVIN|KAF4917581.1 CVYL|A03580 FGRM|XP\_011323561.1 MGRA|XP\_003849444.1 MLAR|XP\_007408399.1 MORY|QBZ58793.1 NCRA|XP\_956318.1 SSCL|APA05729.1 SSCL|APA13000.1

>Orthogroup1569: ANID|CBF90179.1 BCIN|XP\_001553867.2 BGRA|VCU39226.1 CFRU|XP\_031893295.1 CGLO|KAF3799101.1 CHIG|XP\_018157443.1 CVIN|KAF4908269.1 CVYL|A09445 FGRM|XP\_011321333.1 MGRA|XP\_003849675.1 MLAR|XP\_007404854.1 MLAR|XP\_007407817.1 MLAR|XP\_007411066.1 MORY|QBZ57169.1 NCRA|XP\_962706.1 SSCL|APA13073.1

>Orthogroup1570: ANID|CBF90299.1 BCIN|XP\_001553508.1 CFRU|XP\_031885186.1 CFRU|XP\_031889439.1 CGLO|KAF3807646.1 CGLO|KAF3808921.1 CHIG|XP\_018162873.1 CVIN|KAF4920753.1 CVIN|KAF4927810.1 CVYL|A01164 CVYL|A06598 FGRM|XP\_011327049.1 MGRA|XP\_003855561.1 MORY|QBZ61314.1 NCRA|XP\_957307.1 SSCL|APA10860.1

>Orthogroup1571: ANID|CBF90354.1 CFRU|XP\_031879608.1 CFRU|XP\_031881555.1 CFRU|XP\_031890957.1 CFRU|XP\_031892214.1 CGLO|KAF3800176.1 CGLO|KAF3802760.1 CGLO|KAF3807427.1 CHIG|XP\_018151875.1 CHIG|XP\_018158236.1 CHIG|XP\_018163196.1 CVIN|KAF4894661.1 CVIN|KAF4918522.1 CVYL|A10931 FGRM|XP\_011323069.1 MORY|QBZ63332.1

>Orthogroup1572: BCIN|XP\_024545896.1 BCIN|XP\_024545899.1 BCIN|XP\_024551514.1 BCIN|XP\_024552405.1 BCIN|XP\_024553711.1 BGRA|VDB83976.1 CFRU|XP\_031875948.1 CFRU|XP\_031882097.1 CFRU|XP\_031893102.1 CGLO|KAF3809615.1 CHIG|XP\_018152589.1 CVIN|KAF4919196.1 CVYL|A08428 MGRA|XP\_003855803.1 SSCL|APA15104.1 SSCL|APA15880.1

>Orthogroup1573: BCIN|XP\_024545942.1 CFRU|XP\_031876858.1 CFRU|XP\_031879007.1 CFRU|XP\_031880934.1 CFRU|XP\_031890974.1 CGLO|KAF3806906.1 CHIG|XP\_018151719.1 CHIG|XP\_018162666.1 CHIG|XP\_018163051.1 CVIN|KAF4918591.1 CVIN|KAF4922974.1 CVYL|A11252 FGRM|XP\_011315855.1 MGRA|XP\_003854819.1 MORY|QBZ65652.1 SSCL|APA14229.1

>Orthogroup1574: BCIN|XP\_001552113.2 BCIN|XP\_001556587.1 BCIN|XP\_001556600.1 BCIN|XP\_001559134.1 BCIN|XP\_001560251.1 BCIN|XP\_024546424.1 BCIN|XP\_024549539.1 BCIN|XP\_024552120.1 NCRA|XP\_958328.2 SSCL|APA05281.1 SSCL|APA06260.1 SSCL|APA06272.1 SSCL|APA07149.1 SSCL|APA08957.1 SSCL|APA12950.1 SSCL|APA15945.1

>Orthogroup1575: BCIN|XP\_001561184.2 BCIN|XP\_024550781.1 BCIN|XP\_024552587.1 BGRA|VCU40687.1 CFRU|XP\_031889650.1 CGLO|KAF3805987.1 CHIG|XP\_018158983.1 CHIG|XP\_018158995.1 CVIN|KAF4917803.1 CVIN|KAF4917804.1 CVYL|A13735 FGRM|XP\_011318070.1 FGRM|XP\_011320608.1 FGRM|XP\_011325544.1 MORY|QBZ66366.1 SSCL|APA07111.1

>Orthogroup1576: BCIN|XP\_001554405.2 BCIN|XP\_024546902.1 BCIN|XP\_024548109.1 BCIN|XP\_024548273.1 BCIN|XP\_024548974.1 BCIN|XP\_024552177.1 CFRU|XP\_031880225.1 CFRU|XP\_031890147.1 CGLO|KAF3802801.1 CVYL|A01524 CVYL|A11378 NCRA|XP\_958356.1 SSCL|APA09555.1 SSCL|APA09556.1 SSCL|APA10356.1 SSCL|APA12500.1

>Orthogroup1577: BCIN|XP\_001558892.1 CFRU|XP\_031879798.1 CFRU|XP\_031886110.1 CGLO|KAF3802994.1 CHIG|XP\_018153618.1 CVIN|KAF4918282.1 CVIN|KAF4929928.1 CVYL|A00005 CVYL|A05635 FGRM|XP\_011317506.1 FGRM|XP\_011318208.1 FGRM|XP\_011322769.1 FGRM|XP\_011325377.1 MGRA|XP\_003853593.1 MORY|QBZ55546.1 SSCL|APA05786.1

>Orthogroup1578: BCIN|XP\_001552897.1 CFRU|XP\_031878765.1 CFRU|XP\_031885571.1 CGLO|KAF3798335.1 CGLO|KAF3810026.1 CHIG|XP\_018151124.1 CHIG|XP\_018157748.1 CVIN|KAF4917931.1 CVIN|KAF4923566.1 CVYL|A02629 CVYL|A09011 FGRM|XP\_011323470.1 MORY|QBZ63048.1 MORY|QBZ64140.1 NCRA|XP\_962122.3 SSCL|APA06158.1

>Orthogroup1579: BCIN|XP\_001559288.1 CFRU|XP\_031884796.1 CFRU|XP\_031890727.1 CGLO|KAF3800984.1 CGLO|KAF3801556.1 CHIG|XP\_018151984.1 CHIG|XP\_018153237.1 CVIN|KAF4913265.1 CVIN|KAF4921117.1 CVYL|A05922 CVYL|A12577 FGRM|XP\_011327336.1 MGRA|XP\_003851882.1 MORY|QBZ58636.1 MORY|QBZ65826.1 NCRA|XP\_960345.1

>Orthogroup1580: BCIN|XP\_001560796.1 CFRU|XP\_031887772.1 CFRU|XP\_031888847.1 CFRU|XP\_031893119.1 CGLO|KAF3799337.1 CGLO|KAF3803254.1 CGLO|KAF3808081.1 CHIG|XP\_018152783.1 CHIG|XP\_018161106.1 CVIN|KAF4920640.1 CVIN|KAF4924774.1 CVIN|KAF4928652.1 CVYL|A03687 CVYL|A08151 NCRA|XP\_958643.1 SSCL|APA08040.1

>Orthogroup1581: BCIN|XP\_001548451.1 BCIN|XP\_001557798.2 BCIN|XP\_024548946.1 BCIN|XP\_024549731.1 BCIN|XP\_024549828.1 BCIN|XP\_024550114.1 BCIN|XP\_024552639.1 MGRA|XP\_003857007.1 SSCL|APA05434.1 SSCL|APA05435.1 SSCL|APA05643.1 SSCL|APA05644.1 SSCL|APA09518.1 SSCL|APA12146.1 SSCL|APA13804.1 SSCL|APA15597.1

>Orthogroup1582: BCIN|XP\_001559744.2 CFRU|XP\_031888779.1 CFRU|XP\_031893267.1 CGLO|KAF3800872.1 CHIG|XP\_018150822.1 CHIG|XP\_018151520.1 CVIN|KAF4915567.1 CVYL|A11110 FGRM|XP\_011322229.1 FGRM|XP\_011322912.1 FGRM|XP\_011325703.1 FGRM|XP\_011325887.1 MGRA|XP\_003852526.1 MORY|QBZ61844.1 NCRA|XP\_011393966.1 SSCL|APA12009.1

>Orthogroup1583: BCIN|XP\_001559519.1 BGRA|VDB83923.1 CFRU|XP\_031884420.1 CGLO|KAF3799777.1 CGLO|KAF3801402.1 CHIG|XP\_018158222.1 CVIN|KAF4918943.1 CVIN|KAF4922358.1 CVYL|A07680 CVYL|A11318 FGRM|XP\_011316522.1 MGRA|XP\_003853761.1 MLAR|XP\_007404389.1 MORY|QBZ55908.1 NCRA|XP\_001728478.1 SSCL|APA09522.1

>Orthogroup1584: BCIN|XP\_001560286.1 CGLO|KAF3809387.1 CGLO|KAF3810425.1 CHIG|XP\_018156170.1 CHIG|XP\_018163538.1 CVYL|A10911 FGRM|XP\_011319583.1 FGRM|XP\_011321086.1 FGRM|XP\_011321231.1 FGRM|XP\_011321563.1 FGRM|XP\_011324409.1 FGRM|XP\_011324429.1 FGRM|XP\_011328674.1 MGRA|XP\_003852271.1 MGRA|XP\_003852531.1 SSCL|APA09042.1

>Orthogroup1585: BCIN|XP\_001560423.1 CFRU|XP\_031879366.1 CFRU|XP\_031880280.1 CFRU|XP\_031889255.1 CGLO|KAF3808594.1 CGLO|KAF3808712.1 CGLO|KAF3808947.1 CVIN|KAF4920762.1 CVIN|KAF4926114.1 CVIN|KAF4929623.1 CVYL|A00948 CVYL|A01147 CVYL|A11549 FGRM|XP\_011326070.1 MORY|QBZ63648.1 SSCL|APA08764.1

>Orthogroup1586: BCIN|XP\_024549505.1 CFRU|XP\_031884379.1 CFRU|XP\_031887731.1 CFRU|XP\_031890905.1 CGLO|KAF3799035.1 CGLO|KAF3801507.1 CGLO|KAF3807123.1 CHIG|XP\_018160951.1 CVIN|KAF4916390.1 CVIN|KAF4920160.1 CVYL|A03521 CVYL|A11492 CVYL|A12624 MORY|QBZ58815.1 NCRA|XP\_956323.2 SSCL|APA09135.1

>Orthogroup1587: BCIN|XP\_001547020.1 CFRU|XP\_031884287.1 CFRU|XP\_031891614.1 CGLO|KAF3804628.1 CHIG|XP\_018157913.1 CHIG|XP\_018161699.1 CHIG|XP\_018164780.1 CVIN|KAF4919085.1 CVIN|KAF4926928.1 CVYL|A05255 CVYL|A10189 FGRM|XP\_011322643.1 FGRM|XP\_011325821.1 MGRA|XP\_003857303.1 SSCL|APA05646.1 SSCL|APA09953.1

>Orthogroup1588: BCIN|XP\_024550030.1 BCIN|XP\_024552467.1 CFRU|XP\_031885690.1 CGLO|KAF3810148.1 CHIG|XP\_018157978.1 CVIN|KAF4929098.1 CVYL|A02737 FGRM|XP\_011328543.1 MGRA|XP\_003847595.1 MLAR|XP\_007408137.1 MORY|QBZ62259.1 NCRA|XP\_957680.2 NCRA|XP\_962200.2 SSCL|APA05378.1 SSCL|APA05379.1 SSCL|APA08546.1

>Orthogroup1589: BCIN|XP\_024550227.1 CFRU|XP\_031878092.1 CFRU|XP\_031884932.1 CFRU|XP\_031885600.1 CGLO|KAF3800958.1 CGLO|KAF3801849.1 CGLO|KAF3810049.1 CHIG|XP\_018153217.1 CHIG|XP\_018159340.1 CVIN|KAF4901582.1 CVIN|KAF4912797.1 CVYL|A02649 CVYL|A05946 MGRA|XP\_003852548.1 NCRA|XP\_963279.2 SSCL|APA10896.1

>Orthogroup1590: BCIN|XP\_001548575.1 CFRU|XP\_031881793.1 CFRU|XP\_031883660.1 CFRU|XP\_031887801.1 CGLO|KAF3800244.1 CGLO|KAF3800698.1 CGLO|KAF3802242.1 CHIG|XP\_018161325.1 CVIN|KAF4900997.1 CVIN|KAF4914845.1 CVIN|KAF4921781.1 CVYL|A03157 CVYL|A12397 CVYL|A13021 FGRM|XP\_011320565.1 SSCL|APA11756.1

>Orthogroup1591: BCIN|XP\_024551186.1 CFRU|XP\_031877334.1 CGLO|KAF3799926.1 CHIG|XP\_018153762.1 CVIN|KAF4906966.1 CVYL|A11279 FGRM|XP\_011315784.1 FGRM|XP\_011318196.1 MGRA|XP\_003851517.1 MGRA|XP\_003852414.1 MLAR|XP\_007409876.1 MORY|QBZ54405.1 MORY|QBZ56769.1 MORY|QBZ56770.1 NCRA|XP\_959852.1 SSCL|APA10158.1

>Orthogroup1592: BCIN|XP\_024551374.1 CFRU|XP\_031875631.1 CFRU|XP\_031888940.1 CFRU|XP\_031893219.1 CGLO|KAF3797029.1 CGLO|KAF3809505.1 CHIG|XP\_018152655.1 CHIG|XP\_018161820.1 CVIN|KAF4898428.1 CVIN|KAF4918559.1 CVYL|A03061 CVYL|A10073 FGRM|XP\_011317892.1 MORY|QBZ54062.1 MORY|QBZ64257.1 SSCL|APA10472.1

>Orthogroup1593: BCIN|XP\_024551382.1 BGRA|VCU41063.1 BGRA|VDB87804.1 CFRU|XP\_031893335.1 CGLO|KAF3808023.1 CHIG|XP\_018152358.1 CVIN|KAF4909488.1 CVYL|A09460 FGRM|XP\_011322822.1 MGRA|XP\_003856864.1 MLAR|XP\_007404799.1 MLAR|XP\_007415979.1 MLAR|XP\_007416499.1 MLAR|XP\_007416521.1 MORY|QBZ58093.1 SSCL|APA10608.1

>Orthogroup1594: BCIN|XP\_024551477.1 BGRA|VCU41084.1 CFRU|XP\_031878382.1 CGLO|KAF3810789.1 CHIG|XP\_018162524.1 CVIN|KAF4932146.1 CVYL|A07161 FGRM|XP\_011326305.1 MGRA|XP\_003857452.1 MLAR|XP\_007408167.1 MLAR|XP\_007408968.1 MLAR|XP\_007417178.1 MORY|QBZ54355.1 MORY|QBZ59599.1 NCRA|XP\_963086.2 SSCL|APA10409.1

>Orthogroup1595: BCIN|XP\_024551699.1 BCIN|XP\_024553012.1 CFRU|XP\_031884297.1 CFRU|XP\_031884660.1 CFRU|XP\_031891780.1 CGLO|KAF3801395.1 CGLO|KAF3802552.1 CGLO|KAF3809560.1 CGLO|KAF3810306.1 CVIN|KAF4890834.1 CVIN|KAF4926882.1 CVYL|A05798 CVYL|A07689 CVYL|A10184 FGRM|XP\_011320917.1 FGRM|XP\_011325785.1

>Orthogroup1596: BCIN|XP\_024551753.1 CFRU|XP\_031884238.1 CFRU|XP\_031888782.1 CGLO|KAF3804210.1 CGLO|KAF3811059.1 CHIG|XP\_018153141.1 CHIG|XP\_018160036.1 CVIN|KAF4909767.1 CVIN|KAF4915270.1 CVYL|A03885 FGRM|XP\_011319411.1 MGRA|XP\_003851097.1 MORY|QBZ64999.1 NCRA|XP\_011394623.1 SSCL|APA11945.1 SSCL|APA14815.1

>Orthogroup1597: BCIN|XP\_001553391.2 BCIN|XP\_024551970.1 CFRU|XP\_031881549.1 CFRU|XP\_031887246.1 CGLO|KAF3807422.1 CGLO|KAF3809289.1 CHIG|XP\_018156123.1 CVIN|KAF4906635.1 CVIN|KAF4921076.1 CVYL|A01484 CVYL|A10924 FGRM|XP\_011315591.1 FGRM|XP\_011318296.1 FGRM|XP\_011327441.1 SSCL|APA08969.1 SSCL|APA12703.1

>Orthogroup1598: BCIN|XP\_024552575.1 CFRU|XP\_031885222.1 CFRU|XP\_031893170.1 CGLO|KAF3807695.1 CGLO|KAF3808122.1 CHIG|XP\_018152575.1 CHIG|XP\_018152819.1 CVIN|KAF4909738.1 CVIN|KAF4927789.1 CVYL|A06890 CVYL|A08113 FGRM|XP\_011327696.1 MORY|QBZ58212.1 MORY|QBZ59140.1 MORY|QBZ59732.1 SSCL|APA15633.1

>Orthogroup1599: BCIN|XP\_024553152.1 CFRU|XP\_031876467.1 CFRU|XP\_031886583.1 CFRU|XP\_031888999.1 CGLO|KAF3798017.1 CGLO|KAF3804099.1 CGLO|KAF3804139.1 CHIG|XP\_018158080.1 CHIG|XP\_018162657.1 CVIN|KAF4894842.1 CVIN|KAF4910290.1 CVIN|KAF4915605.1 CVYL|A07062 CVYL|A08340 MGRA|XP\_003851490.1 SSCL|APA13330.1

>Orthogroup1600: BCIN|XP\_001550515.1 CFRU|XP\_031877925.1 CFRU|XP\_031891750.1 CGLO|KAF3800110.1 CGLO|KAF3810917.1 CHIG|XP\_018154951.1 CHIG|XP\_018165047.1 CVIN|KAF4909521.1 CVIN|KAF4925851.1 CVYL|A02227 CVYL|A06801 FGRM|XP\_011325888.1 MORY|QBZ54170.1 MORY|QBZ63394.1 SSCL|APA08093.1 SSCL|APA15264.1

>Orthogroup1601: BGRA|VDB91115.1 CFRU|XP\_031875418.1 CHIG|XP\_018150658.1 CHIG|XP\_018151948.1 CHIG|XP\_018154871.1 CHIG|XP\_018154877.1 CHIG|XP\_018155791.1 CHIG|XP\_018158060.1 CHIG|XP\_018163393.1 CHIG|XP\_018163581.1 CHIG|XP\_018164204.1 CHIG|XP\_018164846.1 FGRM|XP\_011325738.1 FGRM|XP\_011325739.1 MGRA|XP\_003856165.1 MLAR|XP\_007409226.1

>Orthogroup1602: CFRU|XP\_031877822.1 CFRU|XP\_031879930.1 CFRU|XP\_031882603.1 CFRU|XP\_031892923.1 CGLO|KAF3798373.1 CGLO|KAF3799026.1 CGLO|KAF3804771.1 CHIG|XP\_018152738.1 CHIG|XP\_018160156.1 CHIG|XP\_018161812.1 CHIG|XP\_018164263.1 CVIN|KAF4895106.1 CVIN|KAF4922840.1 CVIN|KAF4929763.1 CVYL|A07941 CVYL|A12308

>Orthogroup1603: CFRU|XP\_031888727.1 CFRU|XP\_031889670.1 CFRU|XP\_031891739.1 CFRU|XP\_031891865.1 CGLO|KAF3800079.1 CGLO|KAF3800082.1 CGLO|KAF3804138.1 CGLO|KAF3805971.1 CHIG|XP\_018165023.1 CHIG|XP\_018165027.1 CVIN|KAF4896543.1 CVIN|KAF4910291.1 CVIN|KAF4917815.1 CVYL|A03652 CVYL|A06781 CVYL|A13749

>Orthogroup1604: CFRU|XP\_031876035.1 CFRU|XP\_031877731.1 CFRU|XP\_031885254.1 CFRU|XP\_031887859.1 CGLO|KAF3797312.1 CGLO|KAF3802174.1 CGLO|KAF3804146.1 CGLO|KAF3805237.1 CHIG|XP\_018158352.1 CVIN|KAF4893356.1 CVIN|KAF4918670.1 CVYL|A03216 CVYL|A05471 CVYL|A06515 CVYL|A10383 MORY|QBZ66075.1

>Orthogroup1605: CFRU|XP\_031876027.1 CFRU|XP\_031882528.1 CGLO|KAF3803933.1 CGLO|KAF3805249.1 CHIG|XP\_018154060.1 CHIG|XP\_018158906.1 CHIG|XP\_018160101.1 CVIN|KAF4903546.1 CVIN|KAF4913607.1 CVIN|KAF4918657.1 CVIN|KAF4920062.1 CVYL|A08869 CVYL|A10837 CVYL|A13896 FGRM|XP\_011321170.1 FGRM|XP\_011322500.1

>Orthogroup1606: CFRU|XP\_031882588.1 CFRU|XP\_031886352.1 CFRU|XP\_031891411.1 CGLO|KAF3803879.1 CGLO|KAF3804744.1 CGLO|KAF3806259.1 CHIG|XP\_018154965.1 CHIG|XP\_018161829.1 CHIG|XP\_018161830.1 CVIN|KAF4903561.1 CVIN|KAF4925426.1 CVIN|KAF4925427.1 CVIN|KAF4931458.1 CVYL|A05376 CVYL|A08921 CVYL|A11848

>Orthogroup1607: CFRU|XP\_031885678.1 CFRU|XP\_031891060.1 CGLO|KAF3810214.1 CHIG|XP\_018157837.1 CVIN|KAF4915928.1 CVIN|KAF4929139.1 CVYL|A02810 CVYL|A07781 FGRM|XP\_011316844.1 FGRM|XP\_011320318.1 MORY|QBZ58356.1 MORY|QBZ62134.1 NCRA|XP\_001727969.2 NCRA|XP\_957608.1 NCRA|XP\_963049.1 SSCL|APA11329.1

>Orthogroup1608: CFRU|XP\_031875308.1 FGRM|XP\_011315563.1 MORY|QBZ53362.1 MORY|QBZ53507.1 MORY|QBZ54350.1 MORY|QBZ54356.1 MORY|QBZ54357.1 MORY|QBZ57067.1 MORY|QBZ57615.1 MORY|QBZ58292.1 MORY|QBZ58301.1 MORY|QBZ58328.1 MORY|QBZ58421.1 MORY|QBZ58572.1 MORY|QBZ60066.1 MORY|QBZ66645.1

>Orthogroup1609: CFRU|XP\_031878762.1 CFRU|XP\_031879065.1 CFRU|XP\_031879105.1 CFRU|XP\_031879124.1 CFRU|XP\_031879130.1 CFRU|XP\_031892785.1 CGLO|KAF3798845.1 CGLO|KAF3798854.1 CGLO|KAF3809045.1 CHIG|XP\_018153906.1 CHIG|XP\_018156595.1 CVIN|KAF4900567.1 CVYL|A01278 CVYL|A09081 FGRM|XP\_011318072.1 MORY|QBZ61138.1

>Orthogroup1610: CFRU|XP\_031892609.1 CFRU|XP\_031892610.1 CGLO|KAF3797129.1 CHIG|XP\_018152702.1 CHIG|XP\_018160718.1 CHIG|XP\_018162857.1 CVIN|KAF4896913.1 CVYL|A10569 FGRM|XP\_011323258.1 FGRM|XP\_011325348.1 FGRM|XP\_011327559.1 MGRA|XP\_003852080.1 MORY|QBZ58417.1 MORY|QBZ59367.1 MORY|QBZ65644.1 NCRA|XP\_958261.1

>Orthogroup1611: CFRU|XP\_031879178.1 CFRU|XP\_031883167.1 CFRU|XP\_031885481.1 CGLO|KAF3799461.1 CGLO|KAF3807068.1 CGLO|KAF3808284.1 CHIG|XP\_018159727.1 CHIG|XP\_018163134.1 CVIN|KAF4920246.1 CVIN|KAF4924043.1 CVIN|KAF4931802.1 CVYL|A00621 CVYL|A06361 CVYL|A13322 CVYL|A13323 MORY|QBZ55773.1

>Orthogroup1612: CFRU|XP\_031880951.1 CFRU|XP\_031884756.1 CGLO|KAF3806859.1 CGLO|KAF3806860.1 CGLO|KAF3812231.1 CHIG|XP\_018153478.1 CHIG|XP\_018159547.1 CVIN|KAF4900578.1 CVIN|KAF4900579.1 CVIN|KAF4919942.1 CVYL|A00155 CVYL|A02506 FGRM|XP\_011316942.1 MORY|QBZ65168.1 NCRA|XP\_965166.2 SSCL|APA05360.1

>Orthogroup1613: CFRU|XP\_031884222.1 CFRU|XP\_031884223.1 CGLO|KAF3811051.1 CHIG|XP\_018153006.1 CHIG|XP\_018153135.1 CHIG|XP\_018153136.1 CVIN|KAF4918144.1 CVIN|KAF4918163.1 CVYL|A09744 CVYL|A09745 FGRM|XP\_011319601.1 FGRM|XP\_011322450.1 FGRM|XP\_011325370.1 MORY|QBZ59139.1 NCRA|XP\_963773.2 NCRA|XP\_965027.3

>Orthogroup1614: CFRU|XP\_031876355.1 CFRU|XP\_031882055.1 CFRU|XP\_031889776.1 CGLO|KAF3801186.1 CGLO|KAF3806077.1 CGLO|KAF3810636.1 CHIG|XP\_018151507.1 CHIG|XP\_018155196.1 CVIN|KAF4893187.1 CVIN|KAF4917790.1 CVYL|A06206 CVYL|A07437 CVYL|A13720 FGRM|XP\_011320649.1 FGRM|XP\_011325809.1 MGRA|XP\_003853429.1

>Orthogroup1615: CFRU|XP\_031877527.1 CFRU|XP\_031881583.1 CGLO|KAF3797514.1 CGLO|KAF3805416.1 CHIG|XP\_018156665.1 CHIG|XP\_018163239.1 CHIG|XP\_018163240.1 CVIN|KAF4917757.1 CVYL|A01961 CVYL|A07397 CVYL|A11063 FGRM|XP\_011323153.1 FGRM|XP\_011323154.1 FGRM|XP\_011325151.1 FGRM|XP\_011328770.1 NCRA|XP\_961718.1

>Orthogroup1616: CFRU|XP\_031876275.1 CGLO|KAF3805665.1 CGLO|KAF3808119.1 CGLO|KAF3808120.1 CHIG|XP\_018153072.1 CHIG|XP\_018164664.1 CVIN|KAF4925742.1 CVYL|A07530 FGRM|XP\_011317858.1 FGRM|XP\_011322076.1 FGRM|XP\_011322147.1 FGRM|XP\_011322952.1 FGRM|XP\_011327378.1 MORY|QBZ58598.1 MORY|QBZ61647.1 MORY|QBZ61746.1

>Orthogroup1617: MLAR|XP\_007403913.1 MLAR|XP\_007403914.1 MLAR|XP\_007404046.1 MLAR|XP\_007406212.1 MLAR|XP\_007407133.1 MLAR|XP\_007407663.1 MLAR|XP\_007409400.1 MLAR|XP\_007409947.1 MLAR|XP\_007411490.1 MLAR|XP\_007413548.1 MLAR|XP\_007413549.1 MLAR|XP\_007413837.1 MLAR|XP\_007416593.1 MLAR|XP\_007418541.1 MLAR|XP\_007418615.1 MLAR|XP\_007418722.1

>Orthogroup1618: MLAR|XP\_007403642.1 MLAR|XP\_007403648.1 MLAR|XP\_007404996.1 MLAR|XP\_007406958.1 MLAR|XP\_007407208.1 MLAR|XP\_007408122.1 MLAR|XP\_007409366.1 MLAR|XP\_007410946.1 MLAR|XP\_007410947.1 MLAR|XP\_007410948.1 MLAR|XP\_007411312.1 MLAR|XP\_007412404.1 MLAR|XP\_007412406.1 MLAR|XP\_007418402.1 MLAR|XP\_007419099.1 MLAR|XP\_007419793.1

>Orthogroup1619: MLAR|XP\_007403871.1 MLAR|XP\_007404574.1 MLAR|XP\_007404896.1 MLAR|XP\_007405054.1 MLAR|XP\_007407043.1 MLAR|XP\_007408361.1 MLAR|XP\_007408736.1 MLAR|XP\_007411893.1 MLAR|XP\_007412141.1 MLAR|XP\_007413008.1 MLAR|XP\_007414492.1 MLAR|XP\_007416697.1 MLAR|XP\_007417645.1 MLAR|XP\_007418230.1 MLAR|XP\_007418232.1 MLAR|XP\_007418839.1

>Orthogroup1620: MLAR|XP\_007404726.1 MLAR|XP\_007404781.1 MLAR|XP\_007404788.1 MLAR|XP\_007405708.1 MLAR|XP\_007406420.1 MLAR|XP\_007407264.1 MLAR|XP\_007410609.1 MLAR|XP\_007412484.1 MLAR|XP\_007412485.1 MLAR|XP\_007412486.1 MLAR|XP\_007412752.1 MLAR|XP\_007412766.1 MLAR|XP\_007415335.1 MLAR|XP\_007415668.1 MLAR|XP\_007416677.1 MLAR|XP\_007418970.1

>Orthogroup1621: MLAR|XP\_007404929.1 MLAR|XP\_007404932.1 MLAR|XP\_007404933.1 MLAR|XP\_007406951.1 MLAR|XP\_007407216.1 MLAR|XP\_007408155.1 MLAR|XP\_007409669.1 MLAR|XP\_007411728.1 MLAR|XP\_007412468.1 MLAR|XP\_007416077.1 MLAR|XP\_007416742.1 MLAR|XP\_007416763.1 MLAR|XP\_007417587.1 MLAR|XP\_007418244.1 MLAR|XP\_007418258.1 MLAR|XP\_007418946.1

>Orthogroup1622: MLAR|XP\_007405382.1 MLAR|XP\_007405967.1 MLAR|XP\_007407245.1 MLAR|XP\_007408540.1 MLAR|XP\_007409939.1 MLAR|XP\_007409940.1 MLAR|XP\_007411505.1 MLAR|XP\_007414487.1 MLAR|XP\_007415283.1 MLAR|XP\_007416117.1 MLAR|XP\_007417033.1 MLAR|XP\_007417386.1 MLAR|XP\_007417856.1 MLAR|XP\_007418076.1 MLAR|XP\_007418205.1 MLAR|XP\_007419368.1

>Orthogroup1623: MLAR|XP\_007406302.1 MLAR|XP\_007409209.1 MLAR|XP\_007410072.1 MLAR|XP\_007410088.1 MLAR|XP\_007410105.1 MLAR|XP\_007410309.1 MLAR|XP\_007410758.1 MLAR|XP\_007412230.1 MLAR|XP\_007412320.1 MLAR|XP\_007412334.1 MLAR|XP\_007417076.1 MLAR|XP\_007417553.1 MLAR|XP\_007417670.1 MLAR|XP\_007418393.1 MLAR|XP\_007418398.1 MLAR|XP\_007418488.1

>Orthogroup1624: MLAR|XP\_007407898.1 MLAR|XP\_007408649.1 MLAR|XP\_007411305.1 MLAR|XP\_007412233.1 MLAR|XP\_007412546.1 MLAR|XP\_007412547.1 MLAR|XP\_007413784.1 MLAR|XP\_007413931.1 MLAR|XP\_007414722.1 MLAR|XP\_007417552.1 MLAR|XP\_007418117.1 MLAR|XP\_007418373.1 MLAR|XP\_007419783.1 MLAR|XP\_007419784.1 MLAR|XP\_007419788.1 MLAR|XP\_007419794.1

>Orthogroup1625: MORY|QBZ53473.1 MORY|QBZ54930.1 MORY|QBZ55136.1 MORY|QBZ57493.1 MORY|QBZ57565.1 MORY|QBZ57903.1 MORY|QBZ58326.1 MORY|QBZ58327.1 MORY|QBZ58426.1 MORY|QBZ58454.1 MORY|QBZ61592.1 MORY|QBZ61648.1 MORY|QBZ61650.1 MORY|QBZ61743.1 MORY|QBZ64034.1 MORY|QBZ65519.1

>Orthogroup1626: ANID|CBF69375.1 ANID|CBF75659.1 BCIN|XP\_001552400.1 BCIN|XP\_001554904.2 CFRU|XP\_031876489.1 CGLO|KAF3796998.1 CHIG|XP\_018153689.1 CVIN|KAF4894838.1 CVYL|A00357 FGRM|XP\_011317173.1 MGRA|XP\_003853155.1 MGRA|XP\_003857041.1 MORY|QBZ63962.1 NCRA|XP\_965359.1 SSCL|APA14905.1

>Orthogroup1627: ANID|CBF69432.1 ANID|CBF73984.1 BCIN|XP\_001553253.1 CFRU|XP\_031887602.1 CGLO|KAF3803278.1 CHIG|XP\_018156481.1 CHIG|XP\_018161118.1 CVIN|KAF4928641.1 CVYL|A03033 CVYL|A03713 FGRM|XP\_011317646.1 MORY|QBZ56743.1 MORY|QBZ59445.1 SSCL|APA11372.1 SSCL|APA12060.1

>Orthogroup1628: ANID|CBF69441.1 CFRU|XP\_031888017.1 CFRU|XP\_031893325.1 CGLO|KAF3798398.1 CGLO|KAF3802093.1 CHIG|XP\_018152724.1 CHIG|XP\_018154242.1 CHIG|XP\_018154966.1 CVIN|KAF4917967.1 CVIN|KAF4922799.1 CVYL|A03297 FGRM|XP\_011315771.1 MGRA|XP\_003848988.1 MORY|QBZ61154.1 NCRA|XP\_959590.1

>Orthogroup1629: ANID|CBF69456.1 ANID|CBF78928.1 ANID|CBF80418.1 ANID|CBF81839.1 BCIN|XP\_024553298.1 CFRU|XP\_031878796.1 CFRU|XP\_031878797.1 CGLO|KAF3797503.1 CHIG|XP\_018151656.1 CVIN|KAF4921663.1 CVYL|A01949 FGRM|XP\_011321075.1 MLAR|XP\_007412669.1 NCRA|XP\_959141.2 SSCL|APA13526.1

>Orthogroup1630: ANID|CBF69513.1 BCIN|XP\_001556761.2 CFRU|XP\_031880180.1 CFRU|XP\_031886111.1 CGLO|KAF3803108.1 CGLO|KAF3805493.1 CGLO|KAF3811847.1 CHIG|XP\_018151859.1 CHIG|XP\_018151860.1 CVIN|KAF4924866.1 CVIN|KAF4924867.1 CVYL|A05617 CVYL|A12847 FGRM|XP\_011327395.1 MGRA|XP\_003854021.1

>Orthogroup1631: ANID|CBF69544.1 ANID|CBF79549.1 CFRU|XP\_031888014.1 CFRU|XP\_031889528.1 CGLO|KAF3802096.1 CGLO|KAF3810588.1 CHIG|XP\_018159013.1 CVIN|KAF4914206.1 CVIN|KAF4917994.1 CVYL|A13670 FGRM|XP\_011320697.1 FGRM|XP\_011325333.1 MGRA|XP\_003856583.1 MGRA|XP\_003857460.1 NCRA|XP\_957401.1

>Orthogroup1632: ANID|CBF69552.1 ANID|CBF75925.1 ANID|CBF77720.1 ANID|CBF83062.1 ANID|CBF87345.1 BCIN|XP\_024548287.1 CFRU|XP\_031878953.1 CGLO|KAF3807895.1 CHIG|XP\_018150825.1 CHIG|XP\_018163076.1 CVIN|KAF4922617.1 CVYL|A00719 FGRM|XP\_011322096.1 FGRM|XP\_011322629.1 MORY|QBZ64271.1

>Orthogroup1633: ANID|CBF69611.1 BCIN|XP\_001548894.2 BGRA|VDB93484.1 CFRU|XP\_031883062.1 CGLO|KAF3808245.1 CHIG|XP\_018163169.1 CVIN|KAF4909555.1 CVYL|A00581 CVYL|A10018 FGRM|XP\_011326192.1 MGRA|XP\_003854038.1 MLAR|XP\_007415480.1 MORY|QBZ57839.1 NCRA|XP\_959285.3 SSCL|APA14485.1

>Orthogroup1634: ANID|CBF69615.1 BCIN|XP\_001545425.1 BGRA|VDB93580.1 CFRU|XP\_031886327.1 CGLO|KAF3806335.1 CHIG|XP\_018162126.1 CVIN|KAF4908669.1 CVYL|A11924 FGRM|XP\_011323316.1 FGRM|XP\_011326620.1 MGRA|XP\_003854385.1 MLAR|XP\_007409269.1 MORY|QBZ61548.1 NCRA|XP\_956601.1 SSCL|APA05297.1

>Orthogroup1635: ANID|CBF69621.1 BCIN|XP\_001546996.2 BGRA|VDB96338.1 CFRU|XP\_031875915.1 CGLO|KAF3807819.1 CHIG|XP\_018162985.1 CVIN|KAF4921511.1 CVYL|A00787 FGRM|XP\_011326111.1 MGRA|XP\_003854257.1 MLAR|XP\_007417490.1 MLAR|XP\_007419686.1 MORY|QBZ58185.1 NCRA|XP\_956116.2 SSCL|APA14497.1

>Orthogroup1636: ANID|CBF69623.1 BCIN|XP\_001550645.1 CFRU|XP\_031884603.1 CGLO|KAF3799046.1 CHIG|XP\_018158208.1 CHIG|XP\_018161861.1 CVIN|KAF4918234.1 CVYL|A11484 FGRM|XP\_011316466.1 MGRA|XP\_003847421.1 MORY|QBZ55130.1 MORY|QBZ56851.1 NCRA|XP\_001727981.1 NCRA|XP\_957422.1 SSCL|APA09361.1

>Orthogroup1637: ANID|CBF69732.1 BCIN|XP\_001552108.2 BGRA|VDB96310.1 CFRU|XP\_031876954.1 CGLO|KAF3810700.1 CHIG|XP\_018162469.1 CVIN|KAF4909746.1 CVYL|A07256 CVYL|A07257 FGRM|XP\_011326996.1 MGRA|XP\_003853897.1 MLAR|XP\_007414124.1 MORY|QBZ61438.1 NCRA|XP\_957359.3 SSCL|APA05285.1

>Orthogroup1638: ANID|CBF69738.1 BCIN|XP\_024553685.1 BGRA|VDB96355.1 CFRU|XP\_031878420.1 CGLO|KAF3810739.1 CHIG|XP\_018162481.1 CVIN|KAF4932065.1 CVYL|A07213 FGRM|XP\_011326988.1 MGRA|XP\_003854492.1 MLAR|XP\_007406089.1 MLAR|XP\_007406131.1 MORY|QBZ61451.1 NCRA|XP\_963093.2 SSCL|APA15069.1

>Orthogroup1639: ANID|CBF69746.1 BCIN|XP\_024552947.1 BGRA|VCU41252.1 CFRU|XP\_031878022.1 CGLO|KAF3799627.1 CHIG|XP\_018154632.1 CVIN|KAF4926485.1 CVYL|A13489 FGRM|XP\_011315976.1 MGRA|XP\_003857232.1 MLAR|XP\_007403845.1 MLAR|XP\_007417239.1 MORY|QBZ61020.1 NCRA|XP\_963539.2 SSCL|APA07578.1

>Orthogroup1640: ANID|CBF69795.1 ANID|CBF75783.1 BCIN|XP\_024547953.1 BGRA|VDB83627.1 CFRU|XP\_031876543.1 CHIG|XP\_018160732.1 CVIN|KAF4907414.1 CVYL|A04683 FGRM|XP\_011317775.1 MGRA|XP\_003848893.1 MLAR|XP\_007408184.1 MLAR|XP\_007413600.1 MORY|QBZ56561.1 NCRA|XP\_962672.2 SSCL|APA08397.1

>Orthogroup1641: ANID|CBF69825.1 BCIN|XP\_001548158.1 BGRA|VDB93016.1 CFRU|XP\_031881802.1 CGLO|KAF3800657.1 CHIG|XP\_018152022.1 CVIN|KAF4922019.1 CVYL|A13059 FGRM|XP\_011321272.1 FGRM|XP\_011321273.1 MGRA|XP\_003852669.1 MLAR|XP\_007417785.1 MORY|QBZ62125.1 NCRA|XP\_956246.2 SSCL|APA12759.1

>Orthogroup1642: ANID|CBF69892.1 BCIN|XP\_001560772.2 BGRA|VDB90421.1 CFRU|XP\_031885657.1 CGLO|KAF3810105.1 CHIG|XP\_018157857.1 CVIN|KAF4910252.1 CVYL|A02699 FGRM|XP\_011319971.1 MGRA|XP\_003848749.1 MLAR|XP\_007414683.1 MORY|QBZ54079.1 MORY|QBZ62164.1 NCRA|XP\_011395075.1 SSCL|APA08029.1

>Orthogroup1643: ANID|CBF69904.1 BCIN|XP\_024551997.1 BGRA|VDB92797.1 CFRU|XP\_031878776.1 CGLO|KAF3802601.1 CHIG|XP\_018161313.1 CVIN|KAF4911604.1 CVYL|A01888 FGRM|XP\_011321444.1 MGRA|XP\_003848862.1 MLAR|XP\_007412113.1 MLAR|XP\_007412894.1 MORY|QBZ65247.1 NCRA|XP\_958723.1 SSCL|APA12657.1

>Orthogroup1644: ANID|CBF69910.1 BCIN|XP\_024549793.1 BGRA|VDB83669.1 CFRU|XP\_031882535.1 CGLO|KAF3803934.1 CHIG|XP\_018151011.1 CVIN|KAF4903547.1 CVYL|A08868 FGRM|XP\_011317833.1 MGRA|XP\_003849225.1 MLAR|XP\_007419397.1 MORY|QBZ58814.1 NCRA|XP\_011393595.1 NCRA|XP\_961927.1 SSCL|APA05741.1

>Orthogroup1645: ANID|CBF69921.1 BCIN|XP\_001545710.2 BGRA|VDB83642.1 CFRU|XP\_031880514.1 CGLO|KAF3811533.1 CHIG|XP\_018160791.1 CVIN|KAF4926778.1 CVYL|A04743 FGRM|XP\_011323562.1 MGRA|XP\_003848754.1 MLAR|XP\_007409146.1 MLAR|XP\_007410953.1 MORY|QBZ58764.1 NCRA|XP\_011394349.1 SSCL|APA05370.1

>Orthogroup1646: ANID|CBF69957.1 BCIN|XP\_001556367.2 BGRA|VCU40561.1 CFRU|XP\_031886594.1 CGLO|KAF3804114.1 CHIG|XP\_018158027.1 CHIG|XP\_018161200.1 CVIN|KAF4932141.1 CVYL|A07080 FGRM|XP\_011328594.1 MGRA|XP\_003854474.1 MLAR|XP\_007408021.1 MORY|QBZ60459.1 NCRA|XP\_962999.3 SSCL|APA08700.1

>Orthogroup1647: ANID|CBF69989.1 BCIN|XP\_024548669.1 BGRA|VDB89930.1 CFRU|XP\_031880089.1 CGLO|KAF3807988.1 CGLO|KAF3811819.1 CHIG|XP\_018151737.1 CVIN|KAF4924899.1 CVYL|A12822 FGRM|XP\_011323521.1 MGRA|XP\_003853888.1 MLAR|XP\_007406028.1 NCRA|XP\_956945.3 NCRA|XP\_960958.3 SSCL|APA09884.1

>Orthogroup1648: ANID|CBF70045.1 BCIN|XP\_001552658.1 BGRA|VCU39894.1 CFRU|XP\_031880303.1 CGLO|KAF3809001.1 CHIG|XP\_018155848.1 CVIN|KAF4918007.1 CVYL|A01491 FGRM|XP\_011319360.1 MGRA|XP\_003851989.1 MLAR|XP\_007403894.1 MLAR|XP\_007416110.1 MORY|QBZ58079.1 NCRA|XP\_001728079.1 SSCL|APA11485.1

>Orthogroup1649: ANID|CBF70049.1 BCIN|XP\_024549813.1 BCIN|XP\_024553876.1 BGRA|VDB86152.1 CFRU|XP\_031882235.1 CGLO|KAF3804487.1 CHIG|XP\_018160316.1 CVIN|KAF4930927.1 CVYL|A04202 FGRM|XP\_011326915.1 MGRA|XP\_003851949.1 MLAR|XP\_007407849.1 MORY|QBZ57026.1 NCRA|XP\_011394558.1 SSCL|APA15212.1

>Orthogroup1650: ANID|CBF70132.1 BCIN|XP\_024550058.1 BGRA|VDB93405.1 CFRU|XP\_031883226.1 CGLO|KAF3808291.1 CHIG|XP\_018163129.1 CVIN|KAF4924047.1 CVYL|A00629 FGRM|XP\_011326196.1 MGRA|XP\_003853979.1 MLAR|XP\_007408752.1 MLAR|XP\_007411003.1 MORY|QBZ58251.1 NCRA|XP\_963017.1 SSCL|APA14454.1

>Orthogroup1651: ANID|CBF70237.1 ANID|CBF75146.1 BCIN|XP\_001556527.2 CFRU|XP\_031890811.1 CGLO|KAF3801636.1 CHIG|XP\_018151401.1 CVIN|KAF4921224.1 CVYL|A12501 FGRM|XP\_011328450.1 MLAR|XP\_007410142.1 MLAR|XP\_007411966.1 MLAR|XP\_007413527.1 MORY|QBZ64281.1 MORY|QBZ64414.1 NCRA|XP\_958734.1

>Orthogroup1652: ANID|CBF70249.1 BCIN|XP\_024552416.1 BGRA|VDB93618.1 CFRU|XP\_031876951.1 CGLO|KAF3810708.1 CHIG|XP\_018162474.1 CVIN|KAF4908242.1 CVYL|A07246 FGRM|XP\_011323991.1 MGRA|XP\_003856709.1 MLAR|XP\_007418417.1 MLAR|XP\_007418612.1 MORY|QBZ61448.1 NCRA|XP\_957121.1 SSCL|APA14954.1

>Orthogroup1653: ANID|CBF70300.1 BCIN|XP\_001555086.2 BGRA|VDB86206.1 CFRU|XP\_031877219.1 CGLO|KAF3806456.1 CHIG|XP\_018162344.1 CVIN|KAF4897895.1 CVYL|A12054 FGRM|XP\_011323937.1 MGRA|XP\_003854734.1 MLAR|XP\_007409506.1 MLAR|XP\_007412090.1 MORY|QBZ61399.1 NCRA|XP\_962813.1 SSCL|APA07838.1

>Orthogroup1654: ANID|CBF70322.1 BCIN|XP\_024553510.1 BGRA|VDB89524.1 CFRU|XP\_031885308.1 CGLO|KAF3806538.1 CHIG|XP\_018157578.1 CVIN|KAF4921319.1 CVYL|A09331 FGRM|XP\_011327992.1 MLAR|XP\_007406146.1 MLAR|XP\_007406367.1 MLAR|XP\_007413705.1 MORY|QBZ56280.1 NCRA|XP\_957887.3 SSCL|APA13782.1

>Orthogroup1655: ANID|CBF70391.1 BCIN|XP\_024553227.1 BGRA|VDB93530.1 CFRU|XP\_031892443.1 CGLO|KAF3812250.1 CHIG|XP\_018153458.1 CVIN|KAF4919891.1 CVYL|A00136 FGRM|XP\_011316937.1 MLAR|XP\_007407481.1 MLAR|XP\_007418284.1 MORY|QBZ55259.1 MORY|QBZ65218.1 NCRA|XP\_965349.2 SSCL|APA13490.1

>Orthogroup1656: ANID|CBF70459.1 BCIN|XP\_024550021.1 BGRA|VCU39318.1 CFRU|XP\_031880503.1 CGLO|KAF3811544.1 CHIG|XP\_018160803.1 CVIN|KAF4926747.1 CVYL|A04756 FGRM|XP\_011324804.1 MGRA|XP\_003852596.1 MLAR|XP\_007403700.1 MORY|QBZ57232.1 NCRA|XP\_962056.1 SSCL|APA05354.1 SSCL|APA05355.1

>Orthogroup1657: ANID|CBF70478.1 BCIN|XP\_001555510.1 BGRA|VDB84451.1 CFRU|XP\_031877383.1 CGLO|KAF3805327.1 CHIG|XP\_018159810.1 CHIG|XP\_018162024.1 CVIN|KAF4931508.1 CVYL|A11730 FGRM|XP\_011318478.1 MGRA|XP\_003854979.1 MLAR|XP\_007408519.1 MORY|QBZ59614.1 NCRA|XP\_962951.1 SSCL|APA08208.1

>Orthogroup1658: ANID|CBF70482.1 BCIN|XP\_024547874.1 BGRA|VDB84420.1 BGRA|VDB84421.1 CFRU|XP\_031891290.1 CGLO|KAF3804710.1 CHIG|XP\_018161781.1 CVIN|KAF4923362.1 CVYL|A05413 FGRM|XP\_011321509.1 MGRA|XP\_003854355.1 MLAR|XP\_007409051.1 MORY|QBZ59665.1 NCRA|XP\_963115.2 SSCL|APA08194.1

>Orthogroup1659: ANID|CBF70503.1 BCIN|XP\_001559262.1 BGRA|VCU39053.1 CFRU|XP\_031881699.1 CGLO|KAF3805385.1 CHIG|XP\_018156724.1 CVIN|KAF4917743.1 CVYL|A11032 FGRM|XP\_011315781.1 MGRA|XP\_003847704.1 MLAR|XP\_007415042.1 MLAR|XP\_007417970.1 MORY|QBZ65356.1 NCRA|XP\_965732.1 SSCL|APA08935.1

>Orthogroup1660: ANID|CBF70584.1 BCIN|XP\_001559307.1 BGRA|VDB84325.1 CFRU|XP\_031886519.1 CGLO|KAF3806363.1 CHIG|XP\_018162229.1 CVIN|KAF4923248.1 CVYL|A11951 FGRM|XP\_011326587.1 MGRA|XP\_003855799.1 MLAR|XP\_007408880.1 MLAR|XP\_007418333.1 MORY|QBZ59291.1 NCRA|XP\_959017.1 SSCL|APA07851.1

>Orthogroup1661: ANID|CBF70586.1 BCIN|XP\_024551283.1 BGRA|VCU39435.1 CFRU|XP\_031878386.1 CGLO|KAF3810791.1 CHIG|XP\_018162522.1 CVIN|KAF4932144.1 CVYL|A07159 FGRM|XP\_011326302.1 MGRA|XP\_003854803.1 MLAR|XP\_007408350.1 MLAR|XP\_007417365.1 MORY|QBZ59603.1 NCRA|XP\_963089.1 SSCL|APA10264.1

>Orthogroup1662: ANID|CBF70603.1 BCIN|XP\_001546788.1 BCIN|XP\_024553436.1 BGRA|VDB86363.1 CFRU|XP\_031893241.1 CGLO|KAF3800854.1 CHIG|XP\_018150848.1 CVIN|KAF4915563.1 CVYL|A11093 FGRM|XP\_011328038.1 MGRA|XP\_003848116.1 MLAR|XP\_007403609.1 MORY|QBZ64749.1 NCRA|XP\_011394421.1 SSCL|APA13861.1

>Orthogroup1663: ANID|CBF70649.1 BCIN|XP\_001558322.1 BGRA|VCU40530.1 CFRU|XP\_031886206.1 CGLO|KAF3806579.1 CHIG|XP\_018157617.1 CVIN|KAF4920466.1 CVYL|A09289 FGRM|XP\_011328125.1 MGRA|XP\_003852196.1 MLAR|XP\_007405557.1 MLAR|XP\_007405559.1 MORY|QBZ56374.1 NCRA|XP\_957465.1 SSCL|APA13702.1

>Orthogroup1664: ANID|CBF70797.1 BCIN|XP\_001551808.2 BGRA|VDB89173.1 CFRU|XP\_031889140.1 CFRU|XP\_031892551.1 CGLO|KAF3809118.1 CHIG|XP\_018155938.1 CVIN|KAF4922090.1 CVYL|A01303 FGRM|XP\_011319133.1 MGRA|XP\_003852560.1 MLAR|XP\_007418497.1 MORY|QBZ59103.1 NCRA|XP\_960660.2 SSCL|APA11956.1

>Orthogroup1665: ANID|CBF70869.1 BCIN|XP\_024553774.1 BGRA|VDB84436.1 CFRU|XP\_031876211.1 CFRU|XP\_031876326.1 CFRU|XP\_031886950.1 CGLO|KAF3811245.1 CHIG|XP\_018160470.1 CVIN|KAF4931237.1 CVYL|A04417 FGRM|XP\_011327091.1 MGRA|XP\_003850379.1 MORY|QBZ64762.1 NCRA|XP\_961139.2 SSCL|APA15150.1

>Orthogroup1666: ANID|CBF70872.1 BCIN|XP\_001549139.1 BGRA|VDB84370.1 CFRU|XP\_031877804.1 CGLO|KAF3810666.1 CHIG|XP\_018162422.1 CVIN|KAF4916957.1 CVYL|A07295 FGRM|XP\_011318432.1 MGRA|XP\_003850038.1 MLAR|XP\_007404261.1 MORY|QBZ55699.1 NCRA|XP\_962921.1 SSCL|APA11536.1 SSCL|APA15322.1

>Orthogroup1667: ANID|CBF70891.1 BCIN|XP\_024547621.1 BGRA|VDB86150.1 CFRU|XP\_031882193.1 CGLO|KAF3804412.1 CHIG|XP\_018160230.1 CVIN|KAF4930949.1 CVYL|A04112 FGRM|XP\_011328787.1 MGRA|XP\_003854752.1 MGRA|XP\_003855636.1 MLAR|XP\_007409990.1 MORY|QBZ59152.1 NCRA|XP\_958834.2 SSCL|APA07782.1

>Orthogroup1668: ANID|CBF70893.1 BCIN|XP\_024553873.1 BGRA|VDB84395.1 BGRA|VDB84396.1 CFRU|XP\_031880763.1 CGLO|KAF3811200.1 CHIG|XP\_018160449.1 CVIN|KAF4931294.1 CVYL|A04366 FGRM|XP\_011327102.1 FGRM|XP\_011327103.1 MGRA|XP\_003849928.1 MLAR|XP\_007415834.1 NCRA|XP\_961151.3 SSCL|APA15213.1

>Orthogroup1669: ANID|CBF70908.1 BCIN|XP\_001547913.1 BGRA|VDB85940.1 CFRU|XP\_031882192.1 CGLO|KAF3804411.1 CHIG|XP\_018154844.1 CHIG|XP\_018160231.1 CVIN|KAF4930934.1 CVYL|A04111 FGRM|XP\_011325425.1 MGRA|XP\_003855489.1 MLAR|XP\_007408511.1 MORY|QBZ59135.1 NCRA|XP\_958836.1 SSCL|APA07490.1

>Orthogroup1670: ANID|CBF70946.1 BCIN|XP\_001560814.1 CFRU|XP\_031884346.1 CGLO|KAF3806486.1 CHIG|XP\_018155324.1 CHIG|XP\_018162384.1 CVIN|KAF4902801.1 CVYL|A12086 FGRM|XP\_011318439.1 FGRM|XP\_011321370.1 MGRA|XP\_003849869.1 MLAR|XP\_007410899.1 MORY|QBZ55630.1 NCRA|XP\_956400.1 SSCL|APA08048.1

>Orthogroup1671: ANID|CBF70968.1 BCIN|XP\_001553346.1 BGRA|VDB85718.1 CFRU|XP\_031880758.1 CGLO|KAF3811179.1 CHIG|XP\_018159502.1 CVIN|KAF4931289.1 CVYL|A04340 FGRM|XP\_011323703.1 MGRA|XP\_003855325.1 MLAR|XP\_007407383.1 MORY|QBZ64674.1 NCRA|XP\_960894.2 NCRA|XP\_961576.1 SSCL|APA15163.1

>Orthogroup1672: ANID|CBF70976.1 BCIN|XP\_001560816.1 BGRA|VCU38793.1 CFRU|XP\_031877791.1 CGLO|KAF3796948.1 CHIG|XP\_018162396.1 CVIN|KAF4911629.1 CVYL|A07316 FGRM|XP\_011318547.1 MORY|QBZ58449.1 MORY|QBZ61367.1 MORY|QBZ66566.1 MORY|QBZ66752.1 NCRA|XP\_956658.1 SSCL|APA08050.1

>Orthogroup1673: ANID|CBF70977.1 BCIN|XP\_024547713.1 BGRA|VDB86020.1 BGRA|VDB86021.1 CFRU|XP\_031886984.1 CGLO|KAF3811253.1 CHIG|XP\_018160475.1 CVIN|KAF4931240.1 CVYL|A04411 FGRM|XP\_011326443.1 MGRA|XP\_003855017.1 MLAR|XP\_007416093.1 MORY|QBZ58105.1 NCRA|XP\_961388.2 SSCL|APA07941.1

>Orthogroup1674: ANID|CBF70989.1 BCIN|XP\_001560908.1 BGRA|VDB86191.1 CFRU|XP\_031886861.1 CGLO|KAF3811403.1 CHIG|XP\_018160641.1 CVIN|KAF4919680.1 CVYL|A04598 FGRM|XP\_011327167.1 MLAR|XP\_007405186.1 MLAR|XP\_007409793.1 MLAR|XP\_007409846.1 MORY|QBZ54279.1 NCRA|XP\_961213.2 SSCL|APA08110.1

>Orthogroup1675: ANID|CBF70993.1 ANID|CBF85182.1 BCIN|XP\_001560910.1 BGRA|VDB86194.1 CFRU|XP\_031886859.1 CGLO|KAF3811405.1 CHIG|XP\_018160643.1 CVIN|KAF4919678.1 CVYL|A04600 FGRM|XP\_011327169.1 MGRA|XP\_003855156.1 MLAR|XP\_007410698.1 MORY|QBZ54277.1 NCRA|XP\_961215.1 SSCL|APA08112.1

>Orthogroup1676: ANID|CBF71007.1 ANID|CBF71605.1 BCIN|XP\_001546147.1 BCIN|XP\_001554791.1 BCIN|XP\_001559130.2 CFRU|XP\_031888354.1 CGLO|KAF3803747.1 CHIG|XP\_018153166.1 CVIN|KAF4912463.1 CVYL|A14127 FGRM|XP\_011322346.1 MORY|QBZ53650.1 MORY|QBZ59758.1 NCRA|XP\_958396.1 SSCL|APA08959.1

>Orthogroup1677: ANID|CBF71013.1 BCIN|XP\_001556977.1 BGRA|VDB87640.1 CFRU|XP\_031885190.1 CGLO|KAF3800336.1 CHIG|XP\_018162822.1 CVIN|KAF4918870.1 CVYL|A07342 FGRM|XP\_011326418.1 MGRA|XP\_003850240.1 MLAR|XP\_007405996.1 MLAR|XP\_007407988.1 MORY|QBZ63234.1 NCRA|XP\_011393936.1 SSCL|APA10577.1

>Orthogroup1678: ANID|CBF71041.1 BCIN|XP\_024553847.1 BGRA|VDB84333.1 CFRU|XP\_031880728.1 CGLO|KAF3811162.1 CHIG|XP\_018159481.1 CVIN|KAF4931269.1 CVYL|A04322 FGRM|XP\_011324725.1 MGRA|XP\_003855308.1 MLAR|XP\_007403513.1 MLAR|XP\_007409496.1 MORY|QBZ64690.1 NCRA|XP\_961197.1 SSCL|APA15225.1

>Orthogroup1679: ANID|CBF71058.1 BCIN|XP\_024553936.1 BGRA|VCU39942.1 CFRU|XP\_031886292.1 CGLO|KAF3806176.1 CHIG|XP\_018162163.1 CVIN|KAF4931558.1 CVYL|A11762 FGRM|XP\_011324085.1 MGRA|XP\_003848772.1 MLAR|XP\_007407267.1 MLAR|XP\_007410492.1 MORY|QBZ62956.1 NCRA|XP\_957137.1 SSCL|APA15314.1

>Orthogroup1680: ANID|CBF71092.1 BCIN|XP\_024553989.1 BGRA|VDB85965.1 CFRU|XP\_031886983.1 CGLO|KAF3811362.1 CHIG|XP\_018160568.1 CVIN|KAF4921018.1 CVYL|A04551 FGRM|XP\_011326869.1 MGRA|XP\_003855321.1 MLAR|XP\_007407695.1 MLAR|XP\_007418774.1 MORY|QBZ62518.1 NCRA|XP\_961494.1 SSCL|APA15398.1

>Orthogroup1681: ANID|CBF71293.1 BCIN|XP\_001547199.1 BGRA|VDB92689.1 CFRU|XP\_031881050.1 CGLO|KAF3809843.1 CHIG|XP\_018161425.1 CVIN|KAF4930606.1 CVYL|A01771 FGRM|XP\_011321458.1 MGRA|XP\_003848885.1 MLAR|XP\_007406902.1 MLAR|XP\_007417549.1 MORY|QBZ65214.1 NCRA|XP\_962786.1 SSCL|APA13171.1

>Orthogroup1682: ANID|CBF71341.1 BCIN|XP\_024553525.1 BGRA|VCU40182.1 BGRA|VCU40183.1 CFRU|XP\_031885427.1 CGLO|KAF3806543.1 CHIG|XP\_018157584.1 CVIN|KAF4921338.1 CVIN|KAF4921339.1 CVYL|A09326 FGRM|XP\_011327986.1 MLAR|XP\_007404800.1 MORY|QBZ56275.1 NCRA|XP\_961993.3 SSCL|APA13766.1

>Orthogroup1683: ANID|CBF71371.1 BCIN|XP\_001556397.1 CFRU|XP\_031883787.1 CFRU|XP\_031887080.1 CFRU|XP\_031890820.1 CGLO|KAF3797462.1 CGLO|KAF3811441.1 CHIG|XP\_018156643.1 CHIG|XP\_018160683.1 CVIN|KAF4917859.1 CVYL|A04640 FGRM|XP\_011323445.1 MGRA|XP\_003852010.1 MORY|QBZ64085.1 NCRA|XP\_011394454.1

>Orthogroup1684: ANID|CBF71451.1 ANID|CBF82275.1 BCIN|XP\_001553379.1 BCIN|XP\_024553089.1 CFRU|XP\_031891924.1 CFRU|XP\_031892803.1 CGLO|KAF3797060.1 CGLO|KAF3801386.1 CHIG|XP\_018151665.1 CHIG|XP\_018152564.1 CHIG|XP\_018157036.1 CVIN|KAF4894645.1 CVYL|A10644 MORY|QBZ61994.1 SSCL|APA16302.1

>Orthogroup1685: ANID|CBF71507.1 ANID|CBF87199.1 CFRU|XP\_031884749.1 CFRU|XP\_031891058.1 CGLO|KAF3801000.1 CGLO|KAF3811680.1 CHIG|XP\_018152622.1 CHIG|XP\_018154066.1 CVIN|KAF4912987.1 CVIN|KAF4915956.1 CVYL|A05906 CVYL|A12702 MORY|QBZ56539.1 MORY|QBZ58073.1 MORY|QBZ60712.1

>Orthogroup1686: ANID|CBF71513.1 ANID|CBF90199.1 BCIN|XP\_001550675.2 CFRU|XP\_031884667.1 CFRU|XP\_031884905.1 CGLO|KAF3799076.1 CGLO|KAF3812100.1 CHIG|XP\_018158182.1 CHIG|XP\_018159785.1 CVIN|KAF4918131.1 CVYL|A00297 FGRM|XP\_011328381.1 MGRA|XP\_003855158.1 MORY|QBZ63559.1 SSCL|APA09323.1

>Orthogroup1687: ANID|CBF71578.1 BCIN|XP\_024551900.1 CFRU|XP\_031889136.1 CFRU|XP\_031889651.1 CGLO|KAF3803125.1 CGLO|KAF3805988.1 CHIG|XP\_018152633.1 CVIN|KAF4917805.1 CVYL|A01014 FGRM|XP\_011323590.1 MGRA|XP\_003857057.1 MLAR|XP\_007409116.1 MORY|QBZ60172.1 NCRA|XP\_961991.3 SSCL|APA06317.1

>Orthogroup1688: ANID|CBF71584.1 ANID|CBF73852.1 ANID|CBF79863.1 ANID|CBF85717.1 BCIN|XP\_001548901.1 BCIN|XP\_024546214.1 CFRU|XP\_031887849.1 CFRU|XP\_031893358.1 CGLO|KAF3802190.1 CGLO|KAF3808072.1 CHIG|XP\_018152774.1 CVIN|KAF4922803.1 CVYL|A03203 CVYL|A08161 SSCL|APA14483.1

>Orthogroup1689: ANID|CBF71603.1 BCIN|XP\_001553875.1 BGRA|VCU39248.1 CFRU|XP\_031888176.1 CGLO|KAF3802123.1 CHIG|XP\_018154270.1 CVIN|KAF4912406.1 CVYL|A03271 FGRM|XP\_011320190.1 MGRA|XP\_003849793.1 MLAR|XP\_007406215.1 MORY|QBZ59975.1 NCRA|XP\_957645.1 NCRA|XP\_964999.2 SSCL|APA13066.1

>Orthogroup1690: ANID|CBF71609.1 BCIN|XP\_001561090.1 BGRA|VDB95130.1 CFRU|XP\_031875809.1 CGLO|KAF3801775.1 CHIG|XP\_018158025.1 CHIG|XP\_018159279.1 CVIN|KAF4922949.1 CVYL|A12931 FGRM|XP\_011320485.1 MGRA|XP\_003849638.1 MORY|QBZ58538.1 MORY|QBZ62908.1 NCRA|XP\_011394950.1 SSCL|APA06667.1

>Orthogroup1691: ANID|CBF71617.1 BCIN|XP\_024547791.1 BGRA|VDB94689.1 CFRU|XP\_031886945.1 CGLO|KAF3811350.1 CHIG|XP\_018160587.1 CVIN|KAF4921008.1 CVYL|A04534 FGRM|XP\_011326853.1 MGRA|XP\_003846865.1 MGRA|XP\_003847231.1 MGRA|XP\_003855113.1 MORY|QBZ56998.1 NCRA|XP\_961491.1 SSCL|APA08055.1

>Orthogroup1692: ANID|CBF71626.1 BCIN|XP\_024552080.1 BGRA|VCU39278.1 CFRU|XP\_031882678.1 CGLO|KAF3803856.1 CHIG|XP\_018151055.1 CVIN|KAF4925412.1 CVIN|KAF4925413.1 CVYL|A08948 CVYL|A08949 FGRM|XP\_011324261.1 MGRA|XP\_003849480.1 MORY|QBZ56828.1 NCRA|XP\_957517.1 SSCL|APA12861.1

>Orthogroup1693: ANID|CBF71638.1 BCIN|XP\_024552621.1 BGRA|VDB88214.1 BGRA|VDB88216.1 CFRU|XP\_031885999.1 CGLO|KAF3812012.1 CHIG|XP\_018155243.1 CVIN|KAF4930444.1 CVYL|A05497 FGRM|XP\_011317465.1 MGRA|XP\_003849835.1 MLAR|XP\_007406884.1 MORY|QBZ53756.1 NCRA|XP\_955840.1 SSCL|APA08720.1

>Orthogroup1694: ANID|CBF71653.1 BCIN|XP\_001549642.1 CFRU|XP\_031888800.1 CFRU|XP\_031888823.1 CGLO|KAF3804182.1 CHIG|XP\_018160022.1 CHIG|XP\_018160023.1 CVIN|KAF4918380.1 CVIN|KAF4918381.1 CVYL|A03857 FGRM|XP\_011327727.1 MGRA|XP\_003856456.1 MORY|QBZ65213.1 NCRA|XP\_958496.1 SSCL|APA11435.1

>Orthogroup1695: ANID|CBF71762.1 ANID|CBF84320.1 BCIN|XP\_001554513.2 BCIN|XP\_024552646.1 CFRU|XP\_031892022.1 CFRU|XP\_031892068.1 CGLO|KAF3801297.1 CHIG|XP\_018164845.1 CHIG|XP\_018165072.1 CVIN|KAF4921580.1 CVYL|A07789 FGRM|XP\_011323184.1 FGRM|XP\_011325175.1 MORY|QBZ61615.1 NCRA|XP\_011393301.1

>Orthogroup1696: ANID|CBF71854.1 ANID|CBF82991.1 CFRU|XP\_031881386.1 CFRU|XP\_031883945.1 CGLO|KAF3805792.1 CHIG|XP\_018150481.1 CHIG|XP\_018152827.1 CVIN|KAF4926615.1 CVYL|A06028 FGRM|XP\_011317841.1 FGRM|XP\_011319560.1 MORY|QBZ65054.1 MORY|QBZ65638.1 NCRA|XP\_961931.3 NCRA|XP\_965032.2

>Orthogroup1697: ANID|CBF73440.1 ANID|CBF77764.1 BCIN|XP\_024551599.1 BGRA|VDB95201.1 CFRU|XP\_031890840.1 CGLO|KAF3801613.1 CHIG|XP\_018151375.1 CVIN|KAF4922709.1 CVYL|A12523 FGRM|XP\_011328206.1 MGRA|XP\_003857120.1 MLAR|XP\_007418937.1 MORY|QBZ53883.1 NCRA|XP\_960287.2 SSCL|APA14840.1

>Orthogroup1698: ANID|CBF73514.1 ANID|CBF75028.1 BCIN|XP\_001558147.2 BCIN|XP\_024550595.1 CFRU|XP\_031878910.1 CFRU|XP\_031891990.1 CGLO|KAF3800089.1 CGLO|KAF3807922.1 CHIG|XP\_018151801.1 CHIG|XP\_018165033.1 CVIN|KAF4892842.1 CVIN|KAF4915230.1 CVYL|A00697 CVYL|A06783 SSCL|APA13167.1

>Orthogroup1699: ANID|CBF73558.1 BCIN|XP\_001555828.1 CFRU|XP\_031882134.1 CGLO|KAF3804340.1 CHIG|XP\_018160131.1 CVIN|KAF4918338.1 CVYL|A04028 FGRM|XP\_011322758.1 MGRA|XP\_003850372.1 MLAR|XP\_007404998.1 MLAR|XP\_007405222.1 MLAR|XP\_007408934.1 MORY|QBZ59169.1 NCRA|XP\_961157.1 SSCL|APA06098.1

>Orthogroup1700: ANID|CBF73599.1 BCIN|XP\_024547796.1 BGRA|VDB94919.1 CFRU|XP\_031885566.1 CGLO|KAF3810031.1 CHIG|XP\_018157743.1 CVIN|KAF4917927.1 CVYL|A02624 FGRM|XP\_011319463.1 MGRA|XP\_003848799.1 MLAR|XP\_007409977.1 MLAR|XP\_007415871.1 MORY|QBZ60636.1 NCRA|XP\_960303.1 SSCL|APA08063.1

>Orthogroup1701: ANID|CBF73603.1 CFRU|XP\_031879887.1 CFRU|XP\_031888040.1 CFRU|XP\_031889623.1 CGLO|KAF3798941.1 CGLO|KAF3802045.1 CGLO|KAF3810550.1 CHIG|XP\_018152867.1 CVIN|KAF4898135.1 CVIN|KAF4910490.1 CVYL|A03343 CVYL|A07858 FGRM|XP\_011320505.1 MORY|QBZ66387.1 NCRA|XP\_956059.1

>Orthogroup1702: ANID|CBF73686.1 ANID|CBF79610.1 BCIN|XP\_001547190.1 BCIN|XP\_001554704.1 CFRU|XP\_031892835.1 CGLO|KAF3809111.1 CHIG|XP\_018155931.1 CVIN|KAF4922096.1 MGRA|XP\_003857379.1 MGRA|XP\_003857380.1 MLAR|XP\_007407602.1 MORY|QBZ57128.1 NCRA|XP\_957627.3 SSCL|APA08906.1 SSCL|APA11005.1

>Orthogroup1703: ANID|CBF73724.1 BCIN|XP\_024548324.1 BGRA|VCU40553.1 CFRU|XP\_031891219.1 CGLO|KAF3804511.1 CHIG|XP\_018159477.1 CVIN|KAF4924520.1 CVYL|A04227 FGRM|XP\_011326892.1 MGRA|XP\_003850076.1 MLAR|XP\_007408760.1 MLAR|XP\_007418211.1 MORY|QBZ59059.1 NCRA|XP\_960862.1 SSCL|APA12569.1

>Orthogroup1704: ANID|CBF73737.1 ANID|CBF88958.1 BCIN|XP\_001554346.2 BCIN|XP\_001557301.2 CFRU|XP\_031877655.1 CFRU|XP\_031892051.1 CGLO|KAF3801113.1 CGLO|KAF3805643.1 CHIG|XP\_018164684.1 CVIN|KAF4925680.1 CVYL|A07556 CVYL|A11285 MGRA|XP\_003856364.1 SSCL|APA12473.1 SSCL|APA14423.1

>Orthogroup1705: ANID|CBF73773.1 ANID|CBF78893.1 ANID|CBF80040.1 ANID|CBF84967.1 ANID|CBF86928.1 BCIN|XP\_001546100.1 BCIN|XP\_024549264.1 FGRM|XP\_011326190.1 MGRA|XP\_003853579.1 MGRA|XP\_003855728.1 MGRA|XP\_003855947.1 MGRA|XP\_003857742.1 MORY|QBZ65807.1 NCRA|XP\_958441.1 SSCL|APA10607.1

>Orthogroup1706: ANID|CBF73797.1 BCIN|XP\_001558236.2 BGRA|VCU40514.1 CFRU|XP\_031877764.1 CGLO|KAF3810675.1 CHIG|XP\_018162432.1 CVIN|KAF4916944.1 CVYL|A07284 FGRM|XP\_011318443.1 MGRA|XP\_003850117.1 MLAR|XP\_007405248.1 MLAR|XP\_007409473.1 MORY|QBZ55713.1 NCRA|XP\_962932.1 SSCL|APA13649.1

>Orthogroup1707: ANID|CBF73832.1 BCIN|XP\_001558757.1 BGRA|VDB93973.1 CFRU|XP\_031879484.1 CHIG|XP\_018154666.1 CVIN|KAF4922165.1 CVYL|A13521 FGRM|XP\_011315972.1 MGRA|XP\_003850120.1 MGRA|XP\_003851660.1 MLAR|XP\_007404830.1 MLAR|XP\_007409835.1 MORY|QBZ54439.1 NCRA|XP\_963241.1 SSCL|APA05618.1

>Orthogroup1708: ANID|CBF74034.1 BCIN|XP\_001547006.1 BGRA|VCU40518.1 CFRU|XP\_031891529.1 CGLO|KAF3811120.1 CHIG|XP\_018160391.1 CVIN|KAF4924539.1 CVYL|A04273 FGRM|XP\_011324599.1 FGRM|XP\_011326691.1 MGRA|XP\_003850010.1 MLAR|XP\_007411245.1 MORY|QBZ59049.1 NCRA|XP\_958761.1 SSCL|APA05660.1

>Orthogroup1709: ANID|CBF74102.1 BCIN|XP\_024545951.1 BGRA|VCU39328.1 CFRU|XP\_031882800.1 CGLO|KAF3812048.1 CHIG|XP\_018159269.1 CHIG|XP\_018164171.1 CVIN|KAF4923695.1 CVYL|A14227 FGRM|XP\_011327165.1 MGRA|XP\_003851077.1 MLAR|XP\_007410191.1 MORY|QBZ64530.1 NCRA|XP\_011394674.1 SSCL|APA07381.1

>Orthogroup1710: ANID|CBF74104.1 BCIN|XP\_024553319.1 BGRA|VCU40472.1 CFRU|XP\_031886378.1 CGLO|KAF3806370.1 CHIG|XP\_018162222.1 CVIN|KAF4923239.1 CVYL|A11958 FGRM|XP\_011324133.1 MGRA|XP\_003850491.1 MGRA|XP\_003854287.1 MLAR|XP\_007410873.1 MORY|QBZ55516.1 NCRA|XP\_957764.2 SSCL|APA13632.1

>Orthogroup1711: ANID|CBF74118.1 BCIN|XP\_024546792.1 BGRA|VCU40641.1 CFRU|XP\_031888648.1 CGLO|KAF3799326.1 CHIG|XP\_018159923.1 CVIN|KAF4924805.1 CVYL|A04242 FGRM|XP\_011324456.1 MLAR|XP\_007404570.1 MLAR|XP\_007407989.1 MORY|QBZ59174.1 NCRA|XP\_961604.1 SSCL|APA06091.1 SSCL|APA06092.1

>Orthogroup1712: ANID|CBF74125.1 BCIN|XP\_001558649.1 BGRA|VDB83943.1 CFRU|XP\_031886830.1 CGLO|KAF3811223.1 CHIG|XP\_018160422.1 CVIN|KAF4931211.1 CVYL|A04391 FGRM|XP\_011326834.1 MGRA|XP\_003850217.1 MLAR|XP\_007408057.1 MLAR|XP\_007417611.1 MORY|QBZ57022.1 NCRA|XP\_958764.1 SSCL|APA05663.1

>Orthogroup1713: ANID|CBF74148.1 BCIN|XP\_024548313.1 BGRA|VCU40570.1 CFRU|XP\_031889070.1 CGLO|KAF3799280.1 CHIG|XP\_018159879.1 CVIN|KAF4924820.1 CVYL|A03417 FGRM|XP\_011319729.1 FGRM|XP\_011321002.1 MGRA|XP\_003850391.1 MLAR|XP\_007403814.1 MORY|QBZ58664.1 NCRA|XP\_958832.1 SSCL|APA12561.1

>Orthogroup1714: ANID|CBF74202.1 BCIN|XP\_001546026.2 BGRA|VCU40559.1 CFRU|XP\_031888957.1 CGLO|KAF3799259.1 CHIG|XP\_018159898.1 CVIN|KAF4908830.1 CVYL|A10151 FGRM|XP\_011324735.1 MGRA|XP\_003850351.1 MLAR|XP\_007417025.1 MLAR|XP\_007419685.1 MORY|QBZ58675.1 NCRA|XP\_958084.1 SSCL|APA12588.1

>Orthogroup1715: ANID|CBF74283.1 BCIN|XP\_001561127.1 BGRA|VDB92469.1 CFRU|XP\_031888294.1 CFRU|XP\_031888398.1 CGLO|KAF3803709.1 CHIG|XP\_018163743.1 CVIN|KAF4928528.1 CVIN|KAF4928529.1 CVYL|A14641 FGRM|XP\_011316869.1 MGRA|XP\_003851245.1 MORY|QBZ54588.1 NCRA|XP\_965659.1 SSCL|APA07121.1

>Orthogroup1716: ANID|CBF74310.1 BCIN|XP\_024546891.1 BGRA|VDB93916.1 CFRU|XP\_031885934.1 CGLO|KAF3805522.1 CHIG|XP\_018155377.1 CVIN|KAF4918316.1 CVYL|A05644 FGRM|XP\_011317449.1 MGRA|XP\_003855086.1 MLAR|XP\_007413719.1 MLAR|XP\_007415424.1 MORY|QBZ53804.1 NCRA|XP\_963612.1 SSCL|APA05847.1

>Orthogroup1717: ANID|CBF74426.1 BCIN|XP\_024551680.1 BGRA|VDB89516.1 CFRU|XP\_031892706.1 CGLO|KAF3803053.1 CHIG|XP\_018153603.1 CVIN|KAF4919871.1 CVYL|A00064 FGRM|XP\_011316905.1 MGRA|XP\_003854315.1 MLAR|XP\_007406914.1 MLAR|XP\_007414061.1 MORY|QBZ55413.1 NCRA|XP\_964817.3 SSCL|APA06013.1

>Orthogroup1718: ANID|CBF74436.1 ANID|CBF74899.1 BCIN|XP\_024551735.1 CFRU|XP\_031883942.1 CGLO|KAF3797455.1 CHIG|XP\_018163546.1 CVIN|KAF4905671.1 CVYL|A09892 FGRM|XP\_011316288.1 MGRA|XP\_003849737.1 MGRA|XP\_003854813.1 MLAR|XP\_007404365.1 MORY|QBZ54896.1 NCRA|XP\_962152.1 SSCL|APA14602.1

>Orthogroup1719: ANID|CBF74463.1 BCIN|XP\_001555736.1 BGRA|VCU39816.1 CFRU|XP\_031892955.1 CGLO|KAF3808063.1 CHIG|XP\_018152761.1 CVIN|KAF4922854.1 CVYL|A08170 FGRM|XP\_011317971.1 MGRA|XP\_003856301.1 MLAR|XP\_007403531.1 MLAR|XP\_007407649.1 MORY|QBZ54983.1 NCRA|XP\_961584.2 SSCL|APA10303.1

>Orthogroup1720: ANID|CBF74465.1 BCIN|XP\_001555735.1 BGRA|VCU39815.1 CFRU|XP\_031892956.1 CHIG|XP\_018152762.1 CVIN|KAF4922853.1 CVYL|A08171 FGRM|XP\_011317972.1 MGRA|XP\_003852675.1 MLAR|XP\_007412944.1 MLAR|XP\_007417690.1 MLAR|XP\_007417695.1 MORY|QBZ54984.1 NCRA|XP\_961585.2 SSCL|APA10302.1

>Orthogroup1721: ANID|CBF74491.1 ANID|CBF88137.1 BCIN|XP\_024550472.1 BGRA|VDB90363.1 CFRU|XP\_031891316.1 CGLO|KAF3804691.1 CHIG|XP\_018161762.1 CVIN|KAF4923393.1 CVYL|A05194 FGRM|XP\_011321535.1 MGRA|XP\_003855132.1 MLAR|XP\_007413476.1 MORY|QBZ59563.1 NCRA|XP\_956766.1 SSCL|APA11183.1

>Orthogroup1722: ANID|CBF74540.1 BCIN|XP\_001546880.1 BGRA|VDB88133.1 CFRU|XP\_031885648.1 CGLO|KAF3810118.1 CHIG|XP\_018157871.1 CVIN|KAF4912139.1 CVYL|A02710 FGRM|XP\_011320297.1 FGRM|XP\_011322636.1 MGRA|XP\_003852964.1 MLAR|XP\_007415158.1 MORY|QBZ56143.1 NCRA|XP\_960117.1 SSCL|APA08582.1

>Orthogroup1723: ANID|CBF74550.1 ANID|CBF83745.1 ANID|CBF84432.1 ANID|CBF87755.1 BCIN|XP\_001560387.1 CFRU|XP\_031890857.1 CGLO|KAF3811678.1 CHIG|XP\_018164813.1 CVIN|KAF4915954.1 CVYL|A00320 CVYL|A12700 MGRA|XP\_003851818.1 MGRA|XP\_003854156.1 NCRA|XP\_964800.1 SSCL|APA08786.1

>Orthogroup1724: ANID|CBF74567.1 ANID|CBF86645.1 BCIN|XP\_024552629.1 BGRA|VDB88220.1 CFRU|XP\_031885804.1 CGLO|KAF3810225.1 CHIG|XP\_018157891.1 CVIN|KAF4929193.1 CVYL|A02824 FGRM|XP\_011328222.1 MGRA|XP\_003853345.1 MLAR|XP\_007412915.1 MORY|QBZ53908.1 NCRA|XP\_957527.1 SSCL|APA08701.1

>Orthogroup1725: ANID|CBF74586.1 BCIN|XP\_001549470.1 BGRA|VCU41189.1 CFRU|XP\_031880311.1 CHIG|XP\_018155839.1 CVIN|KAF4918026.1 CVYL|A01435 FGRM|XP\_011319217.1 MGRA|XP\_003855940.1 MLAR|XP\_007419139.1 MORY|QBZ54214.1 MORY|QBZ64221.1 NCRA|XP\_011394113.1 NCRA|XP\_960904.2 SSCL|APA16232.1

>Orthogroup1726: ANID|CBF74704.1 BCIN|XP\_024548003.1 BCIN|XP\_024551493.1 CFRU|XP\_031882978.1 CGLO|KAF3808164.1 CHIG|XP\_018163248.1 CVIN|KAF4924275.1 CVYL|A00515 FGRM|XP\_011326221.1 MGRA|XP\_003853055.1 MLAR|XP\_007403810.1 MORY|QBZ54575.1 NCRA|XP\_956104.1 SSCL|APA08328.1 SSCL|APA10380.1

>Orthogroup1727: ANID|CBF74706.1 BCIN|XP\_001561258.1 CFRU|XP\_031884819.1 CGLO|KAF3812238.1 CHIG|XP\_018153468.1 CHIG|XP\_018161862.1 CVIN|KAF4919918.1 CVYL|A00148 FGRM|XP\_011326195.1 MGRA|XP\_003847468.1 MGRA|XP\_003855980.1 MLAR|XP\_007413795.1 MORY|QBZ60759.1 NCRA|XP\_011392880.1 SSCL|APA07207.1

>Orthogroup1728: ANID|CBF74721.1 BCIN|XP\_024550892.1 BGRA|VDB89833.1 BGRA|VDB89834.1 CFRU|XP\_031887925.1 CGLO|KAF3802137.1 CHIG|XP\_018154290.1 CVIN|KAF4912428.1 CVYL|A03256 FGRM|XP\_011320064.1 MGRA|XP\_003853077.1 MLAR|XP\_007404644.1 MORY|QBZ66053.1 NCRA|XP\_011393098.1 SSCL|APA11896.1

>Orthogroup1729: ANID|CBF74755.1 BCIN|XP\_024551359.1 BGRA|VDB89126.1 CFRU|XP\_031878380.1 CHIG|XP\_018162540.1 CHIG|XP\_018162541.1 CVIN|KAF4932057.1 CVIN|KAF4932058.1 CVYL|A07179 MGRA|XP\_003857284.1 MLAR|XP\_007409656.1 MLAR|XP\_007412822.1 MORY|QBZ63831.1 NCRA|XP\_011394055.1 SSCL|APA10502.1

>Orthogroup1730: ANID|CBF74779.1 BCIN|XP\_001559435.1 BGRA|VDB90336.1 CFRU|XP\_031881160.1 CGLO|KAF3802524.1 CHIG|XP\_018150879.1 CHIG|XP\_018154836.1 CVIN|KAF4919001.1 CVYL|A02117 FGRM|XP\_011324640.1 MGRA|XP\_003856256.1 MLAR|XP\_007417231.1 MORY|QBZ53955.1 NCRA|XP\_011393638.1 SSCL|APA07663.1

>Orthogroup1731: ANID|CBF74801.1 BCIN|XP\_024548565.1 BGRA|VDB84115.1 BGRA|VDB84116.1 CFRU|XP\_031890624.1 CGLO|KAF3805301.1 CHIG|XP\_018158618.1 CVIN|KAF4925973.1 CVYL|A13953 FGRM|XP\_011316457.1 MGRA|XP\_003857715.1 MLAR|XP\_007414399.1 MORY|QBZ62498.1 NCRA|XP\_011393345.1 SSCL|APA10031.1

>Orthogroup1732: ANID|CBF74805.1 BCIN|XP\_001548802.1 CFRU|XP\_031876658.1 CGLO|KAF3801930.1 CHIG|XP\_018159410.1 CVIN|KAF4918723.1 CVYL|A02369 FGRM|XP\_011327763.1 MLAR|XP\_007405370.1 MLAR|XP\_007409245.1 MLAR|XP\_007419092.1 MLAR|XP\_007419093.1 MORY|QBZ60694.1 NCRA|XP\_011393154.1 SSCL|APA13336.1

>Orthogroup1733: ANID|CBF74870.1 BCIN|XP\_001548434.1 BGRA|VCU40200.1 BGRA|VCU40201.1 CFRU|XP\_031884688.1 CGLO|KAF3799055.1 CHIG|XP\_018158200.1 CVIN|KAF4918257.1 CVYL|A11474 FGRM|XP\_011323356.1 MGRA|XP\_003857744.1 MLAR|XP\_007411617.1 MORY|QBZ56831.1 NCRA|XP\_960007.1 SSCL|APA09297.1

>Orthogroup1734: ANID|CBF74882.1 BCIN|XP\_001551512.1 BGRA|VCU40197.1 CFRU|XP\_031880597.1 CGLO|KAF3811512.1 CHIG|XP\_018160768.1 CVIN|KAF4926760.1 CVYL|A04720 FGRM|XP\_011317810.1 MGRA|XP\_003847015.1 MGRA|XP\_003849104.1 MLAR|XP\_007415065.1 MORY|QBZ58732.1 NCRA|XP\_961911.2 SSCL|APA05762.1

>Orthogroup1735: ANID|CBF74916.1 BCIN|XP\_024547746.1 BGRA|VDB90413.1 CFRU|XP\_031890704.1 CGLO|KAF3801591.1 CHIG|XP\_018151358.1 CVIN|KAF4922716.1 CVYL|A12544 FGRM|XP\_011320353.1 MGRA|XP\_003853739.1 MLAR|XP\_007405328.1 MLAR|XP\_007415273.1 MORY|QBZ59072.1 NCRA|XP\_960425.1 SSCL|APA08000.1

>Orthogroup1736: ANID|CBF74994.1 ANID|CBF77855.1 BCIN|XP\_024547817.1 BGRA|VDB86214.1 CFRU|XP\_031887057.1 CGLO|KAF3811461.1 CHIG|XP\_018160706.1 CVIN|KAF4917889.1 CVYL|A04665 FGRM|XP\_011327244.1 MGRA|XP\_003850288.1 MLAR|XP\_007406365.1 MORY|QBZ54243.1 NCRA|XP\_955963.1 SSCL|APA08122.1

>Orthogroup1737: ANID|CBF75011.1 BCIN|XP\_001546879.2 BCIN|XP\_001548740.2 BGRA|VDB88134.1 CFRU|XP\_031885651.1 CGLO|KAF3810119.1 CHIG|XP\_018157872.1 CVIN|KAF4912148.1 CVYL|A02711 FGRM|XP\_011325091.1 MGRA|XP\_003853033.1 MLAR|XP\_007417983.1 NCRA|XP\_960118.3 SSCL|APA08583.1 SSCL|APA10837.1

>Orthogroup1738: ANID|CBF75038.1 BCIN|XP\_001551507.1 BGRA|VDB91075.1 BGRA|VDB91076.1 CFRU|XP\_031888350.1 CGLO|KAF3803746.1 CHIG|XP\_018153167.1 CVIN|KAF4912476.1 CVYL|A14126 FGRM|XP\_011316246.1 MGRA|XP\_003851375.1 MLAR|XP\_007410731.1 MORY|QBZ59757.1 NCRA|XP\_965091.1 SSCL|APA05757.1

>Orthogroup1739: ANID|CBF75052.1 BCIN|XP\_024548002.1 BGRA|VDB91056.1 CFRU|XP\_031888534.1 CGLO|KAF3803750.1 CHIG|XP\_018153163.1 CVIN|KAF4912472.1 CVYL|A14130 FGRM|XP\_011316250.1 MGRA|XP\_003851761.1 MLAR|XP\_007412394.1 MLAR|XP\_007416716.1 MORY|QBZ59766.1 NCRA|XP\_965088.2 SSCL|APA08330.1

>Orthogroup1740: ANID|CBF75058.1 BCIN|XP\_001546498.1 BGRA|VCU39557.1 BGRA|VDB91165.1 CFRU|XP\_031882905.1 CGLO|KAF3812072.1 CHIG|XP\_018164092.1 CVIN|KAF4923709.1 CVYL|A14248 FGRM|XP\_011326772.1 MGRA|XP\_003851499.1 MORY|QBZ56396.1 NCRA|XP\_964829.1 SSCL|APA08419.1 SSCL|APA11941.1

>Orthogroup1741: ANID|CBF75084.1 BCIN|XP\_001554921.1 BGRA|VDB91046.1 CFRU|XP\_031890530.1 CGLO|KAF3804865.1 CHIG|XP\_018164397.1 CVIN|KAF4921164.1 CVYL|A12206 FGRM|XP\_011316967.1 MGRA|XP\_003851479.1 MLAR|XP\_007411707.1 MLAR|XP\_007413185.1 MORY|QBZ63799.1 NCRA|XP\_965334.3 SSCL|APA08357.1

>Orthogroup1742: ANID|CBF75186.1 BCIN|XP\_001554558.2 BGRA|VCU40838.1 CFRU|XP\_031877459.1 CGLO|KAF3798430.1 CHIG|XP\_018161249.1 CVIN|KAF4919998.1 CVYL|A11207 FGRM|XP\_011319078.1 MGRA|XP\_003856074.1 MLAR|XP\_007403746.1 MORY|QBZ59032.1 NCRA|XP\_960902.1 SSCL|APA11909.1 SSCL|APA15024.1

>Orthogroup1743: ANID|CBF75218.1 ANID|CBF82301.1 ANID|CBF84656.1 BCIN|XP\_024546723.1 CFRU|XP\_031878246.1 CGLO|KAF3808475.1 CHIG|XP\_018161979.1 CVIN|KAF4917724.1 CVYL|A11662 FGRM|XP\_011318017.1 FGRM|XP\_011322161.1 MGRA|XP\_003852872.1 MORY|QBZ65182.1 NCRA|XP\_965191.1 SSCL|APA06831.1

>Orthogroup1744: ANID|CBF75305.1 BCIN|XP\_001548411.1 BGRA|VDB83879.1 CFRU|XP\_031886826.1 CGLO|KAF3807506.1 CHIG|XP\_018158797.1 CVIN|KAF4917501.1 CVYL|A05028 FGRM|XP\_011316588.1 MGRA|XP\_003855897.1 MLAR|XP\_007410271.1 MLAR|XP\_007416999.1 MORY|QBZ60403.1 NCRA|XP\_964976.1 SSCL|APA09277.1

>Orthogroup1745: ANID|CBF75318.1 BCIN|XP\_001559970.1 BGRA|VDB84034.1 CFRU|XP\_031880495.1 CFRU|XP\_031890275.1 CGLO|KAF3798888.1 CHIG|XP\_018158557.1 CVIN|KAF4925580.1 CVYL|A05065 FGRM|XP\_011316614.1 MGRA|XP\_003847478.1 MORY|QBZ55966.1 MORY|QBZ58518.1 NCRA|XP\_965016.1 SSCL|APA09786.1

>Orthogroup1746: ANID|CBF75378.1 ANID|CBF78568.1 ANID|CBF84404.1 BCIN|XP\_001554310.2 BCIN|XP\_024546815.1 BCIN|XP\_024549728.1 CFRU|XP\_031877467.1 CGLO|KAF3798404.1 CVIN|KAF4921620.1 CVYL|A01990 MLAR|XP\_007417597.1 NCRA|XP\_011394992.1 SSCL|APA05436.1 SSCL|APA06075.1 SSCL|APA14394.1

>Orthogroup1747: ANID|CBF75430.1 CFRU|XP\_031882244.1 CFRU|XP\_031892087.1 CGLO|KAF3800117.1 CGLO|KAF3800118.1 CGLO|KAF3804328.1 CHIG|XP\_018160140.1 CVIN|KAF4925805.1 CVYL|A04021 FGRM|XP\_011322142.1 MGRA|XP\_003853263.1 MGRA|XP\_003853994.1 MGRA|XP\_003856017.1 MLAR|XP\_007413445.1 MORY|QBZ63316.1

>Orthogroup1748: ANID|CBF75436.1 BCIN|XP\_024546672.1 CFRU|XP\_031877878.1 CGLO|KAF3806624.1 CHIG|XP\_018164236.1 CVIN|KAF4918922.1 CVIN|KAF4918923.1 CVYL|A08568 CVYL|A12335 CVYL|A12336 FGRM|XP\_011316216.1 FGRM|XP\_011320765.1 MORY|QBZ63806.1 NCRA|XP\_963755.2 SSCL|APA06516.1

>Orthogroup1749: ANID|CBF75518.1 BCIN|XP\_024547253.1 BGRA|VDB89075.1 CFRU|XP\_031877637.1 CGLO|KAF3801070.1 CHIG|XP\_018153717.1 CVIN|KAF4902048.1 CVYL|A00079 FGRM|XP\_011327788.1 MGRA|XP\_003848694.1 MGRA|XP\_003849027.1 MLAR|XP\_007410680.1 MORY|QBZ62346.1 NCRA|XP\_957979.1 SSCL|APA14201.1

>Orthogroup1750: ANID|CBF75537.1 BCIN|XP\_024547334.1 BGRA|VDB89017.1 CFRU|XP\_031881962.1 CGLO|KAF3806156.1 CHIG|XP\_018164506.1 CVIN|KAF4907007.1 CVYL|A07351 FGRM|XP\_011325047.1 MGRA|XP\_003851863.1 MLAR|XP\_007404236.1 MLAR|XP\_007418052.1 MORY|QBZ59007.1 NCRA|XP\_011395162.1 SSCL|APA14320.1

>Orthogroup1751: ANID|CBF75539.1 BCIN|XP\_001552790.2 BGRA|VDB88873.1 BGRA|VDB88875.1 CFRU|XP\_031881993.1 CGLO|KAF3797868.1 CHIG|XP\_018164485.1 CVIN|KAF4911589.1 CVYL|A07334 FGRM|XP\_011325049.1 MGRA|XP\_003851963.1 MLAR|XP\_007411249.1 MORY|QBZ59004.1 NCRA|XP\_959715.1 SSCL|APA14042.1

>Orthogroup1752: ANID|CBF75545.1 BCIN|XP\_001545365.1 BGRA|VCU39587.1 BGRA|VCU39588.1 CFRU|XP\_031877615.1 CGLO|KAF3801079.1 CHIG|XP\_018153730.1 CVIN|KAF4892463.1 CVYL|A00404 FGRM|XP\_011327801.1 MGRA|XP\_003848650.1 MLAR|XP\_007415031.1 MORY|QBZ60610.1 NCRA|XP\_959795.1 SSCL|APA14109.1

>Orthogroup1753: ANID|CBF75558.1 BCIN|XP\_024547192.1 BGRA|VDB93784.1 CFRU|XP\_031877645.1 CGLO|KAF3801081.1 CHIG|XP\_018153733.1 CVIN|KAF4892466.1 CVYL|A00382 FGRM|XP\_011327804.1 MGRA|XP\_003848332.1 MLAR|XP\_007412511.1 MLAR|XP\_007415792.1 MORY|QBZ60607.1 NCRA|XP\_959796.2 SSCL|APA14105.1

>Orthogroup1754: ANID|CBF75606.1 BCIN|XP\_001555759.1 BCIN|XP\_024547347.1 BGRA|VCU38752.1 BGRA|VDB89033.1 CFRU|XP\_031881989.1 CHIG|XP\_018164623.1 CVIN|KAF4913559.1 CVYL|A07458 FGRM|XP\_011316010.1 MGRA|XP\_003851726.1 MGRA|XP\_003855168.1 NCRA|XP\_959227.1 SSCL|APA10121.1 SSCL|APA14340.1

>Orthogroup1755: ANID|CBF75630.1 BCIN|XP\_024551773.1 BGRA|VDB89609.1 CFRU|XP\_031884011.1 CGLO|KAF3805029.1 CHIG|XP\_018163498.1 CVIN|KAF4927146.1 CVYL|A06523 FGRM|XP\_011316266.1 MGRA|XP\_003856820.1 MLAR|XP\_007404395.1 MLAR|XP\_007405531.1 MORY|QBZ54893.1 NCRA|XP\_011394233.1 SSCL|APA14624.1

>Orthogroup1756: ANID|CBF75669.1 BCIN|XP\_001552412.1 BGRA|VDB89700.1 CFRU|XP\_031885680.1 CGLO|KAF3810255.1 CHIG|XP\_018157945.1 CHIG|XP\_018157946.1 CVIN|KAF4910802.1 CVYL|A02857 FGRM|XP\_011320376.1 MGRA|XP\_003856756.1 MLAR|XP\_007409230.1 MORY|QBZ62147.1 NCRA|XP\_957563.2 SSCL|APA14898.1

>Orthogroup1757: ANID|CBF75743.1 BCIN|XP\_001558387.1 BGRA|VDB95093.1 CFRU|XP\_031883770.1 CGLO|KAF3805121.1 CHIG|XP\_018163396.1 CVIN|KAF4927479.1 CVYL|A06436 FGRM|XP\_011318741.1 MGRA|XP\_003856861.1 MLAR|XP\_007414072.1 MLAR|XP\_007416589.1 MORY|QBZ59500.1 NCRA|XP\_962452.1 SSCL|APA06303.1

>Orthogroup1758: ANID|CBF75750.1 BCIN|XP\_024548557.1 BGRA|VDB84130.1 CFRU|XP\_031890410.1 CGLO|KAF3805261.1 CHIG|XP\_018158814.1 CVIN|KAF4918680.1 CVYL|A13910 FGRM|XP\_011317310.1 FGRM|XP\_011320624.1 MGRA|XP\_003857601.1 MLAR|XP\_007417608.1 MORY|QBZ60375.1 NCRA|XP\_965244.1 SSCL|APA10058.1

>Orthogroup1759: ANID|CBF75754.1 BCIN|XP\_001559609.1 BGRA|VDB84128.1 CFRU|XP\_031890408.1 CGLO|KAF3805259.1 CHIG|XP\_018158817.1 CVIN|KAF4918687.1 CVYL|A13908 FGRM|XP\_011317312.1 MGRA|XP\_003852901.1 MLAR|XP\_007407584.1 MLAR|XP\_007414434.1 MORY|QBZ60373.1 NCRA|XP\_965246.2 SSCL|APA09381.1

>Orthogroup1760: ANID|CBF75808.1 ANID|CBF78294.1 BCIN|XP\_001557848.1 BGRA|VDB92725.1 CFRU|XP\_031876714.1 CGLO|KAF3798670.1 CHIG|XP\_018157484.1 CVIN|KAF4918475.1 CVYL|A09408 FGRM|XP\_011328015.1 MGRA|XP\_003850736.1 MLAR|XP\_007417917.1 MORY|QBZ58749.1 NCRA|XP\_956144.2 SSCL|APA12815.1

>Orthogroup1761: ANID|CBF75815.1 BCIN|XP\_024551171.1 BGRA|VCU39777.1 CFRU|XP\_031893424.1 CGLO|KAF3808370.1 CHIG|XP\_018152430.1 CVIN|KAF4916837.1 CVYL|A09529 FGRM|XP\_011317879.1 MGRA|XP\_003853367.1 MLAR|XP\_007404226.1 MLAR|XP\_007404759.1 MORY|QBZ54055.1 NCRA|XP\_961293.2 SSCL|APA10187.1

>Orthogroup1762: ANID|CBF75821.1 BCIN|XP\_024546122.1 BGRA|VDB86389.1 CFRU|XP\_031888483.1 CGLO|KAF3803517.1 CHIG|XP\_018164072.1 CVIN|KAF4922265.1 CVYL|A14447 FGRM|XP\_011316163.1 FGRM|XP\_011317668.1 MGRA|XP\_003853107.1 MLAR|XP\_007404882.1 MORY|QBZ56430.1 NCRA|XP\_964701.2 SSCL|APA06643.1

>Orthogroup1763: ANID|CBF75829.1 BCIN|XP\_024549879.1 BGRA|VDB91117.1 CFRU|XP\_031888427.1 CGLO|KAF3803654.1 CHIG|XP\_018163806.1 CVIN|KAF4928539.1 CVYL|A14587 FGRM|XP\_011317006.1 MGRA|XP\_003852642.1 MLAR|XP\_007409022.1 MLAR|XP\_007412907.1 MORY|QBZ54676.1 NCRA|XP\_011393199.1 SSCL|APA05550.1

>Orthogroup1764: ANID|CBF76042.1 ANID|CBF81196.1 BCIN|XP\_001553600.1 BGRA|VDB90812.1 CFRU|XP\_031879847.1 CGLO|KAF3802985.1 CHIG|XP\_018153628.1 CVIN|KAF4929966.1 CVYL|A00418 FGRM|XP\_011316928.1 MGRA|XP\_003851216.1 MLAR|XP\_007417926.1 MORY|QBZ63609.1 NCRA|XP\_963776.2 SSCL|APA06432.1

>Orthogroup1765: ANID|CBF76189.1 ANID|CBF81065.1 BCIN|XP\_024546009.1 BGRA|VCU40864.1 CFRU|XP\_031889809.1 CGLO|KAF3810503.1 CHIG|XP\_018159111.1 CVIN|KAF4924681.1 CVYL|A14109 FGRM|XP\_011317193.1 MGRA|XP\_003852126.1 MLAR|XP\_007416462.1 MORY|QBZ56977.1 NCRA|XP\_959270.1 SSCL|APA07318.1

>Orthogroup1766: ANID|CBF76281.1 BCIN|XP\_024551500.1 BCIN|XP\_024554066.1 CFRU|XP\_031881984.1 CGLO|KAF3806060.1 CHIG|XP\_018164612.1 CVIN|KAF4913573.1 CVYL|A07454 FGRM|XP\_011318248.1 FGRM|XP\_011326050.1 MGRA|XP\_003851072.1 MORY|QBZ53909.1 NCRA|XP\_011395402.1 NCRA|XP\_961256.1 SSCL|APA10350.1

>Orthogroup1767: ANID|CBF76289.1 BCIN|XP\_001560310.2 BCIN|XP\_024553211.1 BGRA|VDB92914.1 CFRU|XP\_031879730.1 CGLO|KAF3798232.1 CHIG|XP\_018154010.1 CVIN|KAF4930131.1 CVYL|A04891 FGRM|XP\_011325609.1 MGRA|XP\_003848631.1 MORY|QBZ61200.1 NCRA|XP\_959937.1 SSCL|APA08828.1 SSCL|APA13478.1

>Orthogroup1768: ANID|CBF76300.1 BCIN|XP\_024549613.1 BGRA|VDB92976.1 CFRU|XP\_031891977.1 CGLO|KAF3801264.1 CHIG|XP\_018164866.1 CVIN|KAF4921553.1 CVYL|A07826 FGRM|XP\_011327767.1 MGRA|XP\_003851611.1 MLAR|XP\_007415043.1 MLAR|XP\_007415054.1 MORY|QBZ60687.1 NCRA|XP\_956438.1 SSCL|APA13992.1

>Orthogroup1769: ANID|CBF76316.1 BCIN|XP\_024547360.1 BGRA|VDB88951.1 CFRU|XP\_031892255.1 CGLO|KAF3805582.1 CHIG|XP\_018160043.1 CHIG|XP\_018164710.1 CVIN|KAF4922349.1 CVYL|A07621 FGRM|XP\_011325623.1 MGRA|XP\_003848515.1 MLAR|XP\_007412226.1 MORY|QBZ62294.1 NCRA|XP\_959907.1 SSCL|APA14359.1

>Orthogroup1770: ANID|CBF76346.1 BCIN|XP\_024550750.1 BGRA|VCU38947.1 BGRA|VDB88357.1 BGRA|VDB88359.1 CFRU|XP\_031877690.1 CGLO|KAF3797371.1 CHIG|XP\_018157139.1 CVIN|KAF4929371.1 CVYL|A10319 FGRM|XP\_011320102.1 MGRA|XP\_003857545.1 MORY|QBZ65951.1 NCRA|XP\_964655.1 SSCL|APA11666.1

>Orthogroup1771: ANID|CBF76398.1 BCIN|XP\_001556809.1 BGRA|VDB92597.1 CFRU|XP\_031884936.1 CGLO|KAF3801030.1 CHIG|XP\_018153299.1 CVIN|KAF4908691.1 CVYL|A00353 FGRM|XP\_011321555.1 MGRA|XP\_003854362.1 MLAR|XP\_007416076.1 MLAR|XP\_007417164.1 MORY|QBZ54975.1 NCRA|XP\_961766.2 SSCL|APA14587.1

>Orthogroup1772: ANID|CBF76400.1 BCIN|XP\_001556811.1 BGRA|VDB92593.1 CFRU|XP\_031884720.1 CGLO|KAF3801040.1 CHIG|XP\_018153286.1 CVIN|KAF4908681.1 CVYL|A00343 FGRM|XP\_011316846.1 MGRA|XP\_003853642.1 MLAR|XP\_007412943.1 MLAR|XP\_007414592.1 MORY|QBZ54186.1 NCRA|XP\_011394286.1 SSCL|APA14589.1

>Orthogroup1773: ANID|CBF76404.1 BCIN|XP\_024551741.1 BGRA|VDB92603.1 CFRU|XP\_031884769.1 CFRU|XP\_031884797.1 CGLO|KAF3801038.1 CHIG|XP\_018153292.1 CHIG|XP\_018153293.1 CVIN|KAF4908683.1 CVYL|A00345 FGRM|XP\_011321579.1 MLAR|XP\_007410066.1 MORY|QBZ53848.1 NCRA|XP\_011394418.1 SSCL|APA14604.1

>Orthogroup1774: ANID|CBF76437.1 ANID|CBF78425.1 BCIN|XP\_001556665.1 BGRA|VDB89483.1 CFRU|XP\_031881393.1 CGLO|KAF3805738.1 CHIG|XP\_018163643.1 CVIN|KAF4926600.1 CVIN|KAF4926601.1 CVYL|A09806 FGRM|XP\_011316740.1 MGRA|XP\_003854797.1 MORY|QBZ54166.1 NCRA|XP\_957502.1 SSCL|APA14792.1

>Orthogroup1775: ANID|CBF76443.1 BCIN|XP\_001556801.2 BGRA|VDB92545.1 CFRU|XP\_031884885.1 CGLO|KAF3800994.1 CHIG|XP\_018153250.1 CVIN|KAF4912991.1 CVYL|A05912 FGRM|XP\_011321599.1 MGRA|XP\_003855530.1 MLAR|XP\_007415014.1 MORY|QBZ59407.1 NCRA|XP\_957886.2 SSCL|APA12705.1 SSCL|APA14583.1

>Orthogroup1776: ANID|CBF76508.1 ANID|CBF87357.1 BCIN|XP\_024551204.1 CFRU|XP\_031893421.1 CGLO|KAF3801475.1 CGLO|KAF3808366.1 CHIG|XP\_018152435.1 CVIN|KAF4916858.1 CVYL|A09524 FGRM|XP\_011317864.1 FGRM|XP\_011322790.1 MGRA|XP\_003857298.1 MORY|QBZ54059.1 NCRA|XP\_961265.2 SSCL|APA10341.1

>Orthogroup1777: ANID|CBF76529.1 BCIN|XP\_001552511.2 BCIN|XP\_024553186.1 BGRA|VDB88981.1 CFRU|XP\_031892012.1 CGLO|KAF3805602.1 CHIG|XP\_018164704.1 CVYL|A07592 FGRM|XP\_011324949.1 MGRA|XP\_003848343.1 MLAR|XP\_007418620.1 MORY|QBZ62287.1 NCRA|XP\_959901.3 SSCL|APA10775.1 SSCL|APA13446.1

>Orthogroup1778: ANID|CBF76532.1 BCIN|XP\_001547592.2 BGRA|VDB88958.1 BGRA|VDB88959.1 CFRU|XP\_031882033.1 CGLO|KAF3806095.1 CHIG|XP\_018164577.1 CVIN|KAF4891223.1 CVYL|A07417 FGRM|XP\_011324943.1 MGRA|XP\_003848356.1 MLAR|XP\_007405562.1 MORY|QBZ62273.1 NCRA|XP\_959920.1 SSCL|APA14353.1

>Orthogroup1779: ANID|CBF76538.1 BCIN|XP\_024547411.1 BGRA|VDB83854.1 CFRU|XP\_031881928.1 CGLO|KAF3806069.1 CHIG|XP\_018164617.1 CVIN|KAF4913572.1 CVYL|A07445 FGRM|XP\_011316007.1 MGRA|XP\_003848401.1 MLAR|XP\_007414985.1 MLAR|XP\_007418441.1 MORY|QBZ60940.1 NCRA|XP\_958588.1 SSCL|APA14429.1

>Orthogroup1780: ANID|CBF76591.1 BCIN|XP\_001548581.1 BGRA|VCU40909.1 CFRU|XP\_031887267.1 CGLO|KAF3809182.1 CHIG|XP\_018156005.1 CVIN|KAF4919840.1 CVYL|A01370 FGRM|XP\_011318816.1 MGRA|XP\_003856072.1 MLAR|XP\_007409878.1 MLAR|XP\_007417294.1 MORY|QBZ56667.1 NCRA|XP\_960965.1 SSCL|APA11750.1

>Orthogroup1781: ANID|CBF76648.1 BCIN|XP\_001554973.1 BCIN|XP\_024549179.1 BGRA|VDB84367.1 CFRU|XP\_031886421.1 CGLO|KAF3806250.1 CHIG|XP\_018162089.1 CVIN|KAF4931451.1 CVYL|A11840 FGRM|XP\_011320563.1 MGRA|XP\_003849413.1 MGRA|XP\_003854168.1 MORY|QBZ61513.1 SSCL|APA07765.1 SSCL|APA08750.1

>Orthogroup1782: ANID|CBF76699.1 BCIN|XP\_024549151.1 BGRA|VCU39076.1 CFRU|XP\_031891548.1 CGLO|KAF3797438.1 CHIG|XP\_018157402.1 CVIN|KAF4929362.1 CVYL|A10238 FGRM|XP\_011318163.1 FGRM|XP\_011320059.1 MGRA|XP\_003854608.1 MLAR|XP\_007405411.1 MORY|QBZ66007.1 NCRA|XP\_964560.2 SSCL|APA08791.1

>Orthogroup1783: ANID|CBF76713.1 BCIN|XP\_001560273.1 BCIN|XP\_024550625.1 CFRU|XP\_031880217.1 CGLO|KAF3808941.1 CHIG|XP\_018155803.1 CVIN|KAF4920758.1 CVYL|A01149 FGRM|XP\_011318970.1 FGRM|XP\_011325955.1 MLAR|XP\_007406822.1 MLAR|XP\_007416026.1 MORY|QBZ62235.1 NCRA|XP\_961255.1 SSCL|APA08848.1

>Orthogroup1784: ANID|CBF76790.1 BCIN|XP\_024549311.1 BGRA|VCU39054.1 CFRU|XP\_031881698.1 CGLO|KAF3805384.1 CHIG|XP\_018156725.1 CVIN|KAF4917747.1 CVYL|A11031 FGRM|XP\_011315798.1 MGRA|XP\_003847641.1 MLAR|XP\_007405434.1 MLAR|XP\_007409561.1 MORY|QBZ65355.1 NCRA|XP\_965733.1 SSCL|APA08934.1

>Orthogroup1785: ANID|CBF76794.1 BCIN|XP\_024549302.1 BGRA|VCU39056.1 CFRU|XP\_031881696.1 CGLO|KAF3805382.1 CHIG|XP\_018156729.1 CVIN|KAF4890971.1 CVIN|KAF4924161.1 CVYL|A11028 FGRM|XP\_011320045.1 MGRA|XP\_003850805.1 MLAR|XP\_007413775.1 MORY|QBZ61882.1 NCRA|XP\_965736.1 SSCL|APA08931.1

>Orthogroup1786: ANID|CBF76854.1 BCIN|XP\_001555743.2 BCIN|XP\_024546035.1 BGRA|VCU39084.1 BGRA|VDB88995.1 CFRU|XP\_031877385.1 CGLO|KAF3805329.1 CHIG|XP\_018162022.1 CVIN|KAF4931504.1 CVYL|A11728 FGRM|XP\_011318476.1 MORY|QBZ56454.1 NCRA|XP\_011393944.1 SSCL|APA07287.1 SSCL|APA10108.1

>Orthogroup1787: ANID|CBF76893.1 BCIN|XP\_001549573.2 BCIN|XP\_024553132.1 BGRA|VCU40473.1 CFRU|XP\_031887958.1 CGLO|KAF3802117.1 CHIG|XP\_018154255.1 CVIN|KAF4912416.1 CVYL|A03277 MLAR|XP\_007406416.1 MLAR|XP\_007406421.1 MORY|QBZ55120.1 MORY|QBZ60992.1 NCRA|XP\_957925.3 SSCL|APA13537.1

>Orthogroup1788: ANID|CBF77037.1 ANID|CBF88327.1 BCIN|XP\_024553377.1 BGRA|VDB83662.1 CFRU|XP\_031880545.1 CGLO|KAF3811568.1 CHIG|XP\_018160827.1 CVIN|KAF4898056.1 CVYL|A04780 FGRM|XP\_011328096.1 MGRA|XP\_003849068.1 MLAR|XP\_007411421.1 MORY|QBZ56677.1 NCRA|XP\_962163.2 SSCL|APA13721.1

>Orthogroup1789: ANID|CBF77067.1 BCIN|XP\_001548582.2 BGRA|VDB93212.1 CFRU|XP\_031880235.1 CGLO|KAF3808978.1 CHIG|XP\_018155835.1 CVIN|KAF4920848.1 CVYL|A01280 FGRM|XP\_011318990.1 MGRA|XP\_003857687.1 MLAR|XP\_007407369.1 MLAR|XP\_007407370.1 MORY|QBZ62019.1 NCRA|XP\_011394774.1 SSCL|APA11738.1

>Orthogroup1790: ANID|CBF77088.1 BCIN|XP\_024551211.1 CFRU|XP\_031890866.1 CFRU|XP\_031892995.1 CGLO|KAF3801454.1 CGLO|KAF3809673.1 CHIG|XP\_018152534.1 CVIN|KAF4912395.1 CVIN|KAF4925032.1 CVYL|A09598 CVYL|A12672 FGRM|XP\_011324393.1 MGRA|XP\_003852100.1 MORY|QBZ58272.1 SSCL|APA10327.1

>Orthogroup1791: ANID|CBF77106.1 BCIN|XP\_024546437.1 BGRA|VDB86131.1 BGRA|VDB86133.1 CFRU|XP\_031876098.1 CGLO|KAF3807359.1 CHIG|XP\_018156863.1 CVIN|KAF4920054.1 CVYL|A10854 FGRM|XP\_011328554.1 MGRA|XP\_003847718.1 MLAR|XP\_007417692.1 MORY|QBZ65855.1 NCRA|XP\_964080.2 SSCL|APA07100.1

>Orthogroup1792: ANID|CBF77179.1 BCIN|XP\_024547203.1 BGRA|VDB88982.1 CFRU|XP\_031877350.1 CGLO|KAF3799887.1 CHIG|XP\_018153806.1 CVIN|KAF4921747.1 CVYL|A09632 FGRM|XP\_011325430.1 MGRA|XP\_003848263.1 MLAR|XP\_007412493.1 MLAR|XP\_007419042.1 MORY|QBZ60786.1 NCRA|XP\_958567.2 SSCL|APA14131.1

>Orthogroup1793: ANID|CBF77191.1 ANID|CBF90074.1 BCIN|XP\_001550258.2 CFRU|XP\_031882676.1 CGLO|KAF3803854.1 CHIG|XP\_018151053.1 CVIN|KAF4925419.1 CVYL|A08946 FGRM|XP\_011324264.1 MGRA|XP\_003849334.1 MGRA|XP\_003851639.1 MLAR|XP\_007409622.1 MORY|QBZ61187.1 NCRA|XP\_957520.2 SSCL|APA12863.1

>Orthogroup1794: ANID|CBF77265.1 BCIN|XP\_024551326.1 BGRA|VDB89148.1 CFRU|XP\_031886750.1 CGLO|KAF3804093.1 CHIG|XP\_018162675.1 CVIN|KAF4919522.1 CVYL|A07054 FGRM|XP\_011326353.1 MGRA|XP\_003852710.1 MLAR|XP\_007410149.1 MLAR|XP\_007415557.1 MORY|QBZ55644.1 NCRA|XP\_956391.3 SSCL|APA10547.1

>Orthogroup1795: ANID|CBF77294.1 ANID|CBF80474.1 BCIN|XP\_001548286.1 CFRU|XP\_031884199.1 CGLO|KAF3806480.1 CHIG|XP\_018162377.1 CVIN|KAF4902803.1 CVYL|A12081 FGRM|XP\_011323053.1 FGRM|XP\_011323135.1 FGRM|XP\_011323907.1 MGRA|XP\_003851026.1 MORY|QBZ61503.1 NCRA|XP\_011393726.1 SSCL|APA06387.1

>Orthogroup1796: ANID|CBF77331.1 BCIN|XP\_024550372.1 BGRA|VDB94858.1 CFRU|XP\_031877380.1 CGLO|KAF3805332.1 CHIG|XP\_018162018.1 CVIN|KAF4931546.1 CVYL|A11726 FGRM|XP\_011318471.1 MGRA|XP\_003857735.1 MLAR|XP\_007407823.1 MLAR|XP\_007407928.1 MORY|QBZ59622.1 NCRA|XP\_962953.1 SSCL|APA11065.1

>Orthogroup1797: ANID|CBF77473.1 BCIN|XP\_001552080.1 BGRA|VDB89194.1 CFRU|XP\_031886326.1 CGLO|KAF3806334.1 CHIG|XP\_018162125.1 CVIN|KAF4908668.1 CVYL|A08545 CVYL|A11923 FGRM|XP\_011324060.1 MGRA|XP\_003851221.1 MLAR|XP\_007413317.1 MORY|QBZ61380.1 NCRA|XP\_011393951.1 SSCL|APA09810.1

>Orthogroup1798: ANID|CBF77483.1 BCIN|XP\_001550391.1 BGRA|VCU39570.1 CFRU|XP\_031880747.1 CGLO|KAF3811138.1 CHIG|XP\_018160364.1 CVIN|KAF4931256.1 CVYL|A04296 FGRM|XP\_011326454.1 MGRA|XP\_003851294.1 MLAR|XP\_007408863.1 MLAR|XP\_007416505.1 MORY|QBZ57103.1 NCRA|XP\_960719.1 SSCL|APA10076.1

>Orthogroup1799: ANID|CBF77530.1 BCIN|XP\_024548443.1 BGRA|VDB93120.1 CFRU|XP\_031881236.1 CGLO|KAF3802501.1 CHIG|XP\_018154808.1 CVIN|KAF4918983.1 CVYL|A02093 FGRM|XP\_011316318.1 MGRA|XP\_003847965.1 MLAR|XP\_007410672.1 MORY|QBZ60991.1 NCRA|XP\_956295.3 NCRA|XP\_964904.2 SSCL|APA12242.1

>Orthogroup1800: ANID|CBF77586.1 BCIN|XP\_001557554.1 BGRA|VDB91162.1 CFRU|XP\_031885497.1 CGLO|KAF3799515.1 CHIG|XP\_018154504.1 CVIN|KAF4931759.1 CVYL|A13376 FGRM|XP\_011324931.1 MGRA|XP\_003848169.1 MLAR|XP\_007406060.1 MLAR|XP\_007406067.1 MORY|QBZ62075.1 NCRA|XP\_956873.3 SSCL|APA12343.1

>Orthogroup1801: ANID|CBF77629.1 BCIN|XP\_001550912.2 BGRA|VDB93127.1 CFRU|XP\_031889154.1 CGLO|KAF3808801.1 CHIG|XP\_018155706.1 CVIN|KAF4906818.1 CVYL|A00863 FGRM|XP\_011315574.1 FGRM|XP\_011319254.1 MGRA|XP\_003847903.1 MLAR|XP\_007404089.1 MORY|QBZ58945.1 NCRA|XP\_960808.1 SSCL|APA12385.1

>Orthogroup1802: ANID|CBF77637.1 BCIN|XP\_024548097.1 BGRA|VCU41112.1 CFRU|XP\_031889156.1 CGLO|KAF3808797.1 CHIG|XP\_018155687.1 CVIN|KAF4906814.1 CVYL|A00867 FGRM|XP\_011319348.1 MGRA|XP\_003848119.1 MLAR|XP\_007411379.1 MORY|QBZ58713.1 MORY|QBZ61682.1 NCRA|XP\_961423.1 SSCL|APA12638.1

>Orthogroup1803: ANID|CBF77682.1 ANID|CBF81105.1 BCIN|XP\_024548527.1 BGRA|VCU40206.1 CFRU|XP\_031882559.1 CGLO|KAF3800481.1 CHIG|XP\_018152274.1 CVIN|KAF4906672.1 CVYL|A13231 FGRM|XP\_011323675.1 MGRA|XP\_003847911.1 MLAR|XP\_007409383.1 MORY|QBZ54406.1 NCRA|XP\_956815.2 SSCL|APA12101.1

>Orthogroup1804: ANID|CBF77699.1 BCIN|XP\_001553143.1 BGRA|VCU39648.1 CFRU|XP\_031885399.1 CGLO|KAF3799409.1 CHIG|XP\_018152161.1 CVIN|KAF4931817.1 CVYL|A13273 FGRM|XP\_011325567.1 MGRA|XP\_003847895.1 MLAR|XP\_007403639.1 MORY|QBZ53993.1 NCRA|XP\_011394948.1 NCRA|XP\_956488.2 SSCL|APA16070.1

>Orthogroup1805: ANID|CBF77741.1 BCIN|XP\_001557329.1 BGRA|VDB96409.1 CFRU|XP\_031885389.1 CGLO|KAF3799439.1 CHIG|XP\_018152317.1 CVIN|KAF4931807.1 CVYL|A13301 FGRM|XP\_011321212.1 MGRA|XP\_003847289.1 MGRA|XP\_003848066.1 MLAR|XP\_007414230.1 MORY|QBZ57287.1 NCRA|XP\_957972.1 SSCL|APA12454.1

>Orthogroup1806: ANID|CBF77762.1 BCIN|XP\_024546505.1 BGRA|VDB92871.1 CFRU|XP\_031890964.1 CGLO|KAF3801678.1 CHIG|XP\_018151457.1 CHIG|XP\_018154158.1 CVIN|KAF4897546.1 CVYL|A12458 FGRM|XP\_011328490.1 MGRA|XP\_003856551.1 MORY|QBZ62698.1 NCRA|XP\_011394462.1 NCRA|XP\_957673.3 SSCL|APA06744.1

>Orthogroup1807: ANID|CBF77768.1 BCIN|XP\_001549137.2 CFRU|XP\_031888376.1 CGLO|KAF3803591.1 CHIG|XP\_018163874.1 CVIN|KAF4920344.1 CVYL|A14526 FGRM|XP\_011316770.1 FGRM|XP\_011325343.1 MGRA|XP\_003856484.1 MLAR|XP\_007412604.1 MORY|QBZ55374.1 MORY|QBZ59365.1 NCRA|XP\_965474.3 SSCL|APA06329.1

>Orthogroup1808: ANID|CBF77900.1 BCIN|XP\_001560815.1 BGRA|VCU38794.1 CFRU|XP\_031889234.1 CHIG|XP\_018155521.1 CVIN|KAF4928339.1 CVYL|A01037 FGRM|XP\_011319158.1 MGRA|XP\_003850070.1 MLAR|XP\_007406594.1 MLAR|XP\_007407674.1 MLAR|XP\_007409889.1 MORY|QBZ59021.1 NCRA|XP\_961067.1 SSCL|APA08049.1

>Orthogroup1809: ANID|CBF77923.1 BCIN|XP\_001554991.1 BGRA|VCU38830.1 CFRU|XP\_031886420.1 CGLO|KAF3806251.1 CHIG|XP\_018162088.1 CVIN|KAF4931452.1 CVYL|A11841 FGRM|XP\_011324005.1 MGRA|XP\_003850074.1 MLAR|XP\_007414297.1 MLAR|XP\_007416341.1 MORY|QBZ61514.1 NCRA|XP\_957290.3 SSCL|APA07773.1

>Orthogroup1810: ANID|CBF77994.1 BCIN|XP\_024547750.1 BGRA|VDB90444.1 CFRU|XP\_031891047.1 CGLO|KAF3801600.1 CHIG|XP\_018151363.1 CVIN|KAF4922712.1 CVYL|A12535 FGRM|XP\_011320337.1 MGRA|XP\_003849374.1 MGRA|XP\_003850349.1 MLAR|XP\_007409278.1 MORY|QBZ59065.1 NCRA|XP\_960429.1 SSCL|APA08006.1

>Orthogroup1811: ANID|CBF78009.1 BCIN|XP\_001547075.1 BGRA|VCU40699.1 CFRU|XP\_031888649.1 CGLO|KAF3799327.1 CHIG|XP\_018159924.1 CVIN|KAF4924804.1 CVYL|A04253 FGRM|XP\_011317844.1 FGRM|XP\_011328790.1 MGRA|XP\_003850451.1 MLAR|XP\_007407539.1 MORY|QBZ59172.1 NCRA|XP\_958549.1 SSCL|APA05936.1

>Orthogroup1812: ANID|CBF78024.1 BCIN|XP\_001550183.1 BGRA|VDB94607.1 CFRU|XP\_031887038.1 CGLO|KAF3811442.1 CHIG|XP\_018160685.1 CVIN|KAF4917876.1 CVYL|A04643 FGRM|XP\_011326838.1 MLAR|XP\_007409325.1 MORY|QBZ57141.1 NCRA|XP\_011394807.1 NCRA|XP\_957935.1 NCRA|XP\_961607.1 SSCL|APA11328.1

>Orthogroup1813: ANID|CBF78061.1 BCIN|XP\_024550758.1 BGRA|VDB87675.1 CFRU|XP\_031880425.1 CGLO|KAF3807253.1 CHIG|XP\_018156927.1 CVIN|KAF4928145.1 CVYL|A10733 FGRM|XP\_011320348.1 FGRM|XP\_011323483.1 MGRA|XP\_003853431.1 MLAR|XP\_007413689.1 MORY|QBZ66084.1 NCRA|XP\_011392782.1 SSCL|APA11652.1

>Orthogroup1814: ANID|CBF78081.1 ANID|CBF85860.1 CFRU|XP\_031883094.1 CFRU|XP\_031884647.1 CGLO|KAF3799692.1 CGLO|KAF3808304.1 CVIN|KAF4919990.1 CVIN|KAF4924052.1 CVYL|A00640 CVYL|A05856 FGRM|XP\_011323235.1 FGRM|XP\_011328663.1 MORY|QBZ63109.1 MORY|QBZ63640.1 MORY|QBZ64816.1

>Orthogroup1815: ANID|CBF78090.1 BCIN|XP\_001552681.1 BGRA|VDB91323.1 CFRU|XP\_031881545.1 CGLO|KAF3805403.1 CHIG|XP\_018156707.1 CVIN|KAF4917766.1 CVYL|A11050 FGRM|XP\_011315789.1 MGRA|XP\_003856249.1 MLAR|XP\_007407974.1 MLAR|XP\_007409785.1 MORY|QBZ66184.1 NCRA|XP\_965075.1 SSCL|APA11494.1

>Orthogroup1816: ANID|CBF78105.1 BCIN|XP\_024550739.1 BGRA|VDB95327.1 CFRU|XP\_031892695.1 CGLO|KAF3797096.1 CHIG|XP\_018157065.1 CVIN|KAF4911385.1 CVYL|A10612 FGRM|XP\_011325068.1 MGRA|XP\_003848726.1 MGRA|XP\_003856183.1 MLAR|XP\_007413749.1 MORY|QBZ65931.1 NCRA|XP\_964649.1 SSCL|APA11677.1

>Orthogroup1817: ANID|CBF78120.1 BCIN|XP\_001553275.1 BGRA|VCU41224.1 CFRU|XP\_031887869.1 CFRU|XP\_031887872.1 CGLO|KAF3802291.1 CHIG|XP\_018154391.1 CVIN|KAF4924381.1 CVIN|KAF4924382.1 CVYL|A10563 CVYL|A10574 FGRM|XP\_011319779.1 MORY|QBZ65733.1 NCRA|XP\_965551.2 SSCL|APA12049.1

>Orthogroup1818: ANID|CBF78122.1 BCIN|XP\_024550837.1 BGRA|VDB88153.1 CFRU|XP\_031892759.1 CGLO|KAF3797201.1 CHIG|XP\_018157309.1 CVIN|KAF4920829.1 CVYL|A10497 FGRM|XP\_011320032.1 MGRA|XP\_003852694.1 MLAR|XP\_007413913.1 MLAR|XP\_007413914.1 MORY|QBZ65933.1 NCRA|XP\_963793.1 SSCL|APA11760.1

>Orthogroup1819: ANID|CBF78183.1 BCIN|XP\_024551077.1 BGRA|VDB88192.1 BGRA|VDB89177.1 CFRU|XP\_031877692.1 CGLO|KAF3797358.1 CHIG|XP\_018157152.1 CVIN|KAF4929380.1 CVYL|A10332 FGRM|XP\_011320087.1 MGRA|XP\_003852012.1 MLAR|XP\_007413776.1 MORY|QBZ59252.1 NCRA|XP\_964624.1 SSCL|APA12025.1

>Orthogroup1820: ANID|CBF78206.1 BCIN|XP\_001558370.1 BCIN|XP\_024547626.1 CFRU|XP\_031889499.1 CGLO|KAF3805930.1 CHIG|XP\_018151881.1 CHIG|XP\_018158931.1 CVIN|KAF4911874.1 CVYL|A13782 FGRM|XP\_011322259.1 FGRM|XP\_011327564.1 MGRA|XP\_003854369.1 MORY|QBZ56930.1 NCRA|XP\_964087.2 SSCL|APA13755.1

>Orthogroup1821: ANID|CBF78228.1 BCIN|XP\_001548571.1 BGRA|VDB88158.1 CFRU|XP\_031892754.1 CGLO|KAF3797204.1 CHIG|XP\_018157305.1 CHIG|XP\_018159010.1 CVIN|KAF4920832.1 CVYL|A10493 FGRM|XP\_011320037.1 MGRA|XP\_003853575.1 MLAR|XP\_007416256.1 MORY|QBZ65978.1 NCRA|XP\_959452.3 SSCL|APA11757.1

>Orthogroup1822: ANID|CBF78279.1 ANID|CBF81745.1 BCIN|XP\_024547346.1 BGRA|VDB88964.1 CFRU|XP\_031891996.1 CGLO|KAF3805569.1 CHIG|XP\_018164732.1 CVIN|KAF4922380.1 CVYL|A07634 FGRM|XP\_011324671.1 MGRA|XP\_003851657.1 MLAR|XP\_007405463.1 MORY|QBZ64913.1 NCRA|XP\_958954.1 SSCL|APA14337.1

>Orthogroup1823: ANID|CBF78472.1 CFRU|XP\_031878030.1 CFRU|XP\_031879611.1 CGLO|KAF3799561.1 CGLO|KAF3802743.1 CHIG|XP\_018154571.1 CVIN|KAF4904376.1 CVIN|KAF4931849.1 CVYL|A08065 CVYL|A13420 FGRM|XP\_011322121.1 MLAR|XP\_007406727.1 MLAR|XP\_007411281.1 MLAR|XP\_007411282.1 MORY|QBZ65466.1

>Orthogroup1824: ANID|CBF78497.1 CFRU|XP\_031883514.1 CFRU|XP\_031888694.1 CGLO|KAF3799240.1 CGLO|KAF3811927.1 CHIG|XP\_018152462.1 CVIN|KAF4908661.1 CVIN|KAF4908835.1 CVYL|A06137 CVYL|A10133 FGRM|XP\_011315687.1 FGRM|XP\_011317633.1 MGRA|XP\_003850758.1 MGRA|XP\_003852347.1 MORY|QBZ66263.1

>Orthogroup1825: ANID|CBF78530.1 BCIN|XP\_001554998.2 BCIN|XP\_024548534.1 BGRA|VCU40391.1 CFRU|XP\_031886027.1 CGLO|KAF3801130.1 CHIG|XP\_018151884.1 CHIG|XP\_018155229.1 CVIN|KAF4930390.1 CVYL|A05713 FGRM|XP\_011317528.1 MGRA|XP\_003853851.1 MORY|QBZ60914.1 NCRA|XP\_963200.1 SSCL|APA12093.1

>Orthogroup1826: ANID|CBF78631.1 ANID|CBF84434.1 BCIN|XP\_024551946.1 CFRU|XP\_031878219.1 CFRU|XP\_031881124.1 CFRU|XP\_031881381.1 CGLO|KAF3805753.1 CGLO|KAF3808515.1 CGLO|KAF3809857.1 CHIG|XP\_018163661.1 CVIN|KAF4926608.1 CVYL|A06061 MGRA|XP\_003849384.1 MGRA|XP\_003852688.1 SSCL|APA06388.1

>Orthogroup1827: ANID|CBF78658.1 BCIN|XP\_001547681.1 BGRA|VCU39167.1 CFRU|XP\_031887666.1 CGLO|KAF3805839.1 CGLO|KAF3807163.1 CHIG|XP\_018160986.1 CVIN|KAF4917568.1 CVYL|A03566 FGRM|XP\_011324871.1 MGRA|XP\_003849582.1 MLAR|XP\_007411676.1 MORY|QBZ56304.1 NCRA|XP\_962539.2 SSCL|APA13312.1

>Orthogroup1828: ANID|CBF78673.1 BCIN|XP\_001546059.2 BGRA|VDB93556.1 BGRA|VDB93558.1 CFRU|XP\_031886264.1 CGLO|KAF3806278.1 CHIG|XP\_018162105.1 CVIN|KAF4923917.1 CVYL|A11869 FGRM|XP\_011326628.1 MGRA|XP\_003851344.1 MLAR|XP\_007417258.1 MORY|QBZ61520.1 NCRA|XP\_956685.1 SSCL|APA14984.1

>Orthogroup1829: ANID|CBF78752.1 BCIN|XP\_024550270.1 BGRA|VDB94777.1 CFRU|XP\_031891384.1 CGLO|KAF3804716.1 CHIG|XP\_018161799.1 CVIN|KAF4923372.1 CVYL|A05406 FGRM|XP\_011321517.1 FGRM|XP\_011324432.1 MGRA|XP\_003855133.1 MLAR|XP\_007410847.1 MORY|QBZ59675.1 NCRA|XP\_011393945.1 SSCL|APA10941.1

>Orthogroup1830: ANID|CBF78770.1 BCIN|XP\_001545222.2 BGRA|VDB94842.1 CFRU|XP\_031891449.1 CGLO|KAF3804572.1 CHIG|XP\_018161653.1 CVIN|KAF4923077.1 CVYL|A05305 FGRM|XP\_011318694.1 MGRA|XP\_003855055.1 MLAR|XP\_007416764.1 MLAR|XP\_007419367.1 MORY|QBZ59376.1 NCRA|XP\_958429.1 SSCL|APA07648.1

>Orthogroup1831: ANID|CBF78831.1 ANID|CBF85652.1 ANID|CBF86656.1 BCIN|XP\_024546700.1 CFRU|XP\_031889434.1 CGLO|KAF3797689.1 CHIG|XP\_018155467.1 CVIN|KAF4928280.1 CVYL|A01082 FGRM|XP\_011322744.1 FGRM|XP\_011325085.1 MGRA|XP\_003855983.1 MORY|QBZ59970.1 NCRA|XP\_960198.1 SSCL|APA06555.1

>Orthogroup1832: ANID|CBF78861.1 BCIN|XP\_001548150.1 CFRU|XP\_031881297.1 CGLO|KAF3802470.1 CHIG|XP\_018154766.1 CVIN|KAF4916870.1 CVYL|A02057 FGRM|XP\_011317509.1 FGRM|XP\_011325549.1 MLAR|XP\_007418252.1 MLAR|XP\_007419524.1 MORY|QBZ59091.1 MORY|QBZ63375.1 NCRA|XP\_963144.2 SSCL|APA12757.1

>Orthogroup1833: ANID|CBF78898.1 ANID|CBF80573.1 CFRU|XP\_031877911.1 CFRU|XP\_031883504.1 CFRU|XP\_031886113.1 CFRU|XP\_031891113.1 CGLO|KAF3810940.1 CGLO|KAF3812185.1 CVIN|KAF4895628.1 CVIN|KAF4909526.1 CVYL|A02207 CVYL|A06143 FGRM|XP\_011320847.1 FGRM|XP\_011328728.1 MLAR|XP\_007408416.1

>Orthogroup1834: ANID|CBF78908.1 BCIN|XP\_001561150.1 BGRA|VCU39017.1 CFRU|XP\_031887465.1 CGLO|KAF3803320.1 CHIG|XP\_018161172.1 CVIN|KAF4898742.1 CVYL|A03757 FGRM|XP\_011321355.1 MGRA|XP\_003855711.1 MLAR|XP\_007407380.1 MLAR|XP\_007416554.1 MORY|QBZ56681.1 NCRA|XP\_956135.1 SSCL|APA07087.1

>Orthogroup1835: ANID|CBF78988.1 BCIN|XP\_001553500.1 BGRA|VDB84247.1 BGRA|VDB84249.1 CFRU|XP\_031891577.1 CGLO|KAF3797633.1 CHIG|XP\_018157425.1 CVIN|KAF4890327.1 CVYL|A11067 FGRM|XP\_011323028.1 MGRA|XP\_003847346.1 MGRA|XP\_003853945.1 MORY|QBZ66430.1 NCRA|XP\_965395.3 SSCL|APA10867.1

>Orthogroup1836: ANID|CBF79105.1 BGRA|VDB87701.1 BGRA|VDB90564.1 BGRA|VDB93176.1 BGRA|VDB94705.1 CFRU|XP\_031875276.1 CFRU|XP\_031875277.1 CFRU|XP\_031875301.1 CFRU|XP\_031875302.1 NCRA|XP\_962838.1 SSCL|APA08302.1 SSCL|APA09371.1 SSCL|APA15413.1 SSCL|APA15414.1 SSCL|APA16061.1

>Orthogroup1837: ANID|CBF79195.1 BCIN|XP\_001558183.2 BGRA|VDB83980.1 CFRU|XP\_031887521.1 CGLO|KAF3803210.1 CHIG|XP\_018161057.1 CVIN|KAF4928658.1 CVYL|A03638 FGRM|XP\_011324199.1 MGRA|XP\_003850735.1 MLAR|XP\_007403668.1 MLAR|XP\_007417051.1 MORY|QBZ58753.1 NCRA|XP\_962614.1 SSCL|APA13092.1

>Orthogroup1838: ANID|CBF79271.1 BCIN|XP\_024547646.1 BGRA|VDB86222.1 CFRU|XP\_031886890.1 CGLO|KAF3811298.1 CHIG|XP\_018160521.1 CVIN|KAF4927235.1 CVYL|A04477 FGRM|XP\_011326468.1 MGRA|XP\_003855531.1 MLAR|XP\_007403476.1 MLAR|XP\_007419616.1 MORY|QBZ64748.1 NCRA|XP\_958771.1 SSCL|APA07749.1

>Orthogroup1839: ANID|CBF79297.1 BCIN|XP\_001561040.1 BGRA|VDB91307.1 CFRU|XP\_031880777.1 CGLO|KAF3806878.1 CHIG|XP\_018159589.1 CVIN|KAF4894672.1 CVYL|A02524 FGRM|XP\_011320522.1 MGRA|XP\_003854958.1 MLAR|XP\_007404060.1 MLAR|XP\_007404063.1 MORY|QBZ61734.1 NCRA|XP\_960504.1 SSCL|APA06750.1

>Orthogroup1840: ANID|CBF79319.1 ANID|CBF85127.1 BCIN|XP\_024546981.1 BGRA|VDB94013.1 CFRU|XP\_031883247.1 CGLO|KAF3800545.1 CHIG|XP\_018152139.1 CVIN|KAF4923799.1 CVYL|A13171 FGRM|XP\_011317234.1 MGRA|XP\_003853653.1 MLAR|XP\_007410259.1 MORY|QBZ60338.1 NCRA|XP\_011393487.1 SSCL|APA05953.1

>Orthogroup1841: ANID|CBF79364.1 BCIN|XP\_001551643.2 BGRA|VDB89170.1 CFRU|XP\_031887177.1 CGLO|KAF3809397.1 CHIG|XP\_018156242.1 CVIN|KAF4916425.1 CVYL|A02986 FGRM|XP\_011319174.1 MGRA|XP\_003851929.1 MLAR|XP\_007409690.1 MLAR|XP\_007419465.1 MORY|QBZ57432.1 NCRA|XP\_960920.3 SSCL|APA11579.1

>Orthogroup1842: ANID|CBF79387.1 BCIN|XP\_001559822.1 BGRA|VDB83911.1 CFRU|XP\_031890428.1 CGLO|KAF3805276.1 CHIG|XP\_018158596.1 CVIN|KAF4901292.1 CVYL|A13927 FGRM|XP\_011316601.1 MGRA|XP\_003848306.1 MLAR|XP\_007409821.1 MLAR|XP\_007409859.1 MORY|QBZ55994.1 NCRA|XP\_965686.2 SSCL|APA09696.1

>Orthogroup1843: ANID|CBF79391.1 BCIN|XP\_001553520.2 BGRA|VDB90839.1 CFRU|XP\_031890347.1 CGLO|KAF3804886.1 CHIG|XP\_018164381.1 CVIN|KAF4921184.1 CVYL|A12176 FGRM|XP\_011316268.1 MGRA|XP\_003847951.1 MGRA|XP\_003851785.1 MLAR|XP\_007405945.1 MORY|QBZ56476.1 NCRA|XP\_964688.1 SSCL|APA06782.1

>Orthogroup1844: ANID|CBF79400.1 BCIN|XP\_024550822.1 BGRA|VDB93205.1 CFRU|XP\_031892570.1 CGLO|KAF3809153.1 CHIG|XP\_018155973.1 CVIN|KAF4919824.1 CVYL|A01339 FGRM|XP\_011318806.1 FGRM|XP\_011320660.1 MGRA|XP\_003851885.1 MLAR|XP\_007414659.1 MORY|QBZ57405.1 NCRA|XP\_958857.2 SSCL|APA11731.1

>Orthogroup1845: ANID|CBF79434.1 BCIN|XP\_001558686.1 BGRA|VDB91024.1 CFRU|XP\_031882865.1 CGLO|KAF3803353.1 CHIG|XP\_018164106.1 CVIN|KAF4915979.1 CVYL|A14278 FGRM|XP\_011316183.1 MGRA|XP\_003851828.1 MLAR|XP\_007406462.1 MORY|QBZ54653.1 NCRA|XP\_961169.1 NCRA|XP\_964217.1 SSCL|APA05460.1

>Orthogroup1846: ANID|CBF79447.1 BCIN|XP\_001549110.1 BGRA|VDB91034.1 CFRU|XP\_031882759.1 CGLO|KAF3803434.1 CHIG|XP\_018164097.1 CVIN|KAF4926285.1 CVYL|A14362 FGRM|XP\_011316173.1 MGRA|XP\_003851579.1 MLAR|XP\_007416599.1 MLAR|XP\_007419571.1 MORY|QBZ54602.1 NCRA|XP\_965672.1 SSCL|APA06236.1

>Orthogroup1847: ANID|CBF79449.1 BCIN|XP\_001547510.1 BGRA|VCU40814.1 BGRA|VDB85678.1 CFRU|XP\_031886496.1 CGLO|KAF3806218.1 CHIG|XP\_018162053.1 CVIN|KAF4931467.1 CVYL|A11807 FGRM|XP\_011326625.1 MGRA|XP\_003854162.1 MLAR|XP\_007417738.1 MORY|QBZ61344.1 NCRA|XP\_011393904.1 SSCL|APA14967.1

>Orthogroup1848: ANID|CBF79459.1 BCIN|XP\_001547493.1 BGRA|VDB93610.1 CFRU|XP\_031876923.1 CGLO|KAF3810712.1 CHIG|XP\_018162571.1 CVIN|KAF4908231.1 CVYL|A07241 FGRM|XP\_011319847.1 MGRA|XP\_003851764.1 MLAR|XP\_007406680.1 MORY|QBZ54961.1 MORY|QBZ55778.1 NCRA|XP\_957348.1 SSCL|APA14953.1

>Orthogroup1849: ANID|CBF79461.1 BCIN|XP\_001547491.2 BGRA|VDB93612.1 CFRU|XP\_031876959.1 CGLO|KAF3810711.1 CHIG|XP\_018162572.1 CVIN|KAF4908232.1 CVYL|A07243 FGRM|XP\_011323982.1 MGRA|XP\_003854562.1 MLAR|XP\_007406669.1 MLAR|XP\_007406670.1 MORY|QBZ55780.1 NCRA|XP\_957350.1 SSCL|APA14952.1

>Orthogroup1850: ANID|CBF79482.1 BCIN|XP\_024552389.1 BGRA|VCU39166.1 CFRU|XP\_031887669.1 CGLO|KAF3807162.1 CHIG|XP\_018160985.1 CVIN|KAF4917569.1 CVYL|A03565 FGRM|XP\_011324870.1 MGRA|XP\_003849528.1 MLAR|XP\_007405365.1 MLAR|XP\_007412028.1 MORY|QBZ56303.1 NCRA|XP\_962541.2 SSCL|APA13316.1

>Orthogroup1851: ANID|CBF79529.1 BCIN|XP\_024548318.1 BCIN|XP\_024552324.1 BGRA|VDB92698.1 CFRU|XP\_031890240.1 CGLO|KAF3798728.1 CHIG|XP\_018151267.1 CVIN|KAF4896320.1 CVYL|A09185 FGRM|XP\_011327923.1 MGRA|XP\_003849439.1 MLAR|XP\_007408442.1 MORY|QBZ64555.1 NCRA|XP\_962297.3 SSCL|APA13199.1

>Orthogroup1852: ANID|CBF79551.1 CFRU|XP\_031878668.1 CFRU|XP\_031879924.1 CFRU|XP\_031880888.1 CGLO|KAF3799023.1 CGLO|KAF3806879.1 CHIG|XP\_018151197.1 CHIG|XP\_018152930.1 CHIG|XP\_018159580.1 CVIN|KAF4894663.1 CVIN|KAF4895111.1 CVIN|KAF4923547.1 CVYL|A02525 CVYL|A07938 FGRM|XP\_011322012.1

>Orthogroup1853: ANID|CBF79561.1 BCIN|XP\_024552576.1 BGRA|VDB89749.1 CFRU|XP\_031885618.1 CGLO|KAF3810187.1 CHIG|XP\_018157805.1 CVIN|KAF4929124.1 CVYL|A02779 FGRM|XP\_011319981.1 MLAR|XP\_007405755.1 MLAR|XP\_007406378.1 MLAR|XP\_007412274.1 MORY|QBZ62186.1 NCRA|XP\_960148.1 SSCL|APA15632.1

>Orthogroup1854: ANID|CBF79592.1 BCIN|XP\_024552608.1 BGRA|VDB91357.1 CFRU|XP\_031883371.1 CGLO|KAF3801717.1 CHIG|XP\_018159232.1 CVIN|KAF4915633.1 CVYL|A12984 FGRM|XP\_011320149.1 MGRA|XP\_003847402.1 MGRA|XP\_003853428.1 MLAR|XP\_007404373.1 MORY|QBZ62858.1 NCRA|XP\_960412.1 SSCL|APA15699.1

>Orthogroup1855: ANID|CBF79643.1 BCIN|XP\_001558300.1 BGRA|VDB93909.1 CFRU|XP\_031882834.1 CGLO|KAF3803415.1 CHIG|XP\_018163897.1 CVIN|KAF4918447.1 CVYL|A14344 FGRM|XP\_011317103.1 FGRM|XP\_011319641.1 MGRA|XP\_003856844.1 MLAR|XP\_007405685.1 MORY|QBZ61468.1 NCRA|XP\_964063.1 SSCL|APA13685.1

>Orthogroup1856: ANID|CBF79645.1 BCIN|XP\_024553247.1 BGRA|VDB86337.1 CFRU|XP\_031882258.1 CGLO|KAF3804317.1 CHIG|XP\_018150767.1 CHIG|XP\_018160109.1 CVIN|KAF4920131.1 CVYL|A04007 FGRM|XP\_011324564.1 MGRA|XP\_003856330.1 MLAR|XP\_007414606.1 MORY|QBZ54538.1 NCRA|XP\_011395335.1 SSCL|APA13591.1

>Orthogroup1857: ANID|CBF79692.1 BCIN|XP\_001558896.1 CFRU|XP\_031889045.1 CGLO|KAF3799191.1 CHIG|XP\_018159799.1 CVIN|KAF4914917.1 CVYL|A10086 FGRM|XP\_011319429.1 FGRM|XP\_011320736.1 FGRM|XP\_011320743.1 MGRA|XP\_003856338.1 MLAR|XP\_007410663.1 MORY|QBZ60025.1 NCRA|XP\_961698.3 SSCL|APA05789.1

>Orthogroup1858: ANID|CBF79789.1 BCIN|XP\_001549419.1 BCIN|XP\_001556396.1 CFRU|XP\_031888592.1 CGLO|KAF3803621.1 CHIG|XP\_018156639.1 CHIG|XP\_018163842.1 CVIN|KAF4920359.1 CVYL|A14553 FGRM|XP\_011323442.1 FGRM|XP\_011326544.1 MORY|QBZ53436.1 MORY|QBZ64089.1 NCRA|XP\_960174.1 SSCL|APA11721.1

>Orthogroup1859: ANID|CBF79883.1 BCIN|XP\_001552832.2 BGRA|VCU41334.1 CFRU|XP\_031882489.1 CGLO|KAF3807635.1 CHIG|XP\_018156293.1 CVIN|KAF4921404.1 CVYL|A03115 FGRM|XP\_011319032.1 MGRA|XP\_003856232.1 MLAR|XP\_007404479.1 MLAR|XP\_007416388.1 MORY|QBZ62483.1 NCRA|XP\_011394683.1 SSCL|APA07609.1

>Orthogroup1860: ANID|CBF79902.1 BCIN|XP\_024548458.1 BGRA|VDB93188.1 CFRU|XP\_031887250.1 CGLO|KAF3809286.1 CHIG|XP\_018156126.1 CVIN|KAF4921071.1 CVYL|A01481 FGRM|XP\_011319212.1 MGRA|XP\_003846856.1 MGRA|XP\_003846989.1 MGRA|XP\_003857654.1 MORY|QBZ57097.1 NCRA|XP\_961246.1 SSCL|APA12222.1

>Orthogroup1861: ANID|CBF79932.1 BCIN|XP\_024550329.1 BCIN|XP\_024552497.1 BGRA|VDB85722.1 CFRU|XP\_031892472.1 CGLO|KAF3797243.1 CHIG|XP\_018157237.1 CVIN|KAF4917686.1 CVYL|A10453 FGRM|XP\_011319902.1 MGRA|XP\_003853977.1 MLAR|XP\_007413978.1 MORY|QBZ65624.1 NCRA|XP\_964717.2 SSCL|APA11003.1

>Orthogroup1862: ANID|CBF79986.1 BCIN|XP\_024551197.1 BGRA|VCU39439.1 BGRA|VCU39440.1 CFRU|XP\_031886635.1 CGLO|KAF3801216.1 CHIG|XP\_018162600.1 CVIN|KAF4932112.1 CVYL|A07116 FGRM|XP\_011324123.1 MGRA|XP\_003850300.1 MLAR|XP\_007408423.1 MORY|QBZ56509.1 NCRA|XP\_958146.1 SSCL|APA10145.1

>Orthogroup1863: ANID|CBF79988.1 BCIN|XP\_001553366.1 BGRA|VDB84305.1 CFRU|XP\_031880637.1 CGLO|KAF3811201.1 CHIG|XP\_018160448.1 CVIN|KAF4931204.1 CVYL|A04367 FGRM|XP\_011326682.1 MGRA|XP\_003850464.1 MLAR|XP\_007409421.1 MLAR|XP\_007409422.1 MORY|QBZ64754.1 NCRA|XP\_961150.3 SSCL|APA15138.1

>Orthogroup1864: ANID|CBF79992.1 BCIN|XP\_024547787.1 BGRA|VCU38775.1 CFRU|XP\_031877809.1 CGLO|KAF3796946.1 CHIG|XP\_018162393.1 CVIN|KAF4911640.1 CVYL|A07318 FGRM|XP\_011318549.1 MGRA|XP\_003847230.1 MGRA|XP\_003850510.1 MLAR|XP\_007405203.1 MORY|QBZ62832.1 NCRA|XP\_011394040.1 SSCL|APA08045.1

>Orthogroup1865: ANID|CBF80348.1 BCIN|XP\_001555524.1 BGRA|VDB92869.1 CFRU|XP\_031889639.1 CGLO|KAF3810533.1 CHIG|XP\_018159080.1 CVIN|KAF4914557.1 CVYL|A13610 FGRM|XP\_011317205.1 MGRA|XP\_003852131.1 MLAR|XP\_007405122.1 MORY|QBZ57356.1 NCRA|XP\_959510.3 NCRA|XP\_961296.2 SSCL|APA07408.1

>Orthogroup1866: ANID|CBF80479.1 ANID|CBF80705.1 BCIN|XP\_001553887.2 CFRU|XP\_031880100.1 CFRU|XP\_031882091.1 CFRU|XP\_031882095.1 CGLO|KAF3797720.1 CHIG|XP\_018160866.1 CVIN|KAF4917544.1 CVYL|A11431 CVYL|A11432 MGRA|XP\_003855805.1 MGRA|XP\_003855807.1 MORY|QBZ59776.1 SSCL|APA13060.1

>Orthogroup1867: ANID|CBF80588.1 ANID|CBF81398.1 BCIN|XP\_024547130.1 CFRU|XP\_031883806.1 CFRU|XP\_031891423.1 CGLO|KAF3804563.1 CGLO|KAF3805169.1 CHIG|XP\_018161642.1 CVIN|KAF4923086.1 CVYL|A05313 CVYL|A06582 FGRM|XP\_011322470.1 MGRA|XP\_003851573.1 MORY|QBZ60842.1 SSCL|APA14030.1

>Orthogroup1868: ANID|CBF80589.1 BCIN|XP\_024552775.1 CFRU|XP\_031881592.1 CFRU|XP\_031887344.1 CGLO|KAF3807383.1 CGLO|KAF3809403.1 CHIG|XP\_018156250.1 CHIG|XP\_018163618.1 CVIN|KAF4916419.1 CVIN|KAF4929548.1 CVYL|A03063 CVYL|A10876 FGRM|XP\_011318849.1 NCRA|XP\_960916.2 SSCL|APA07505.1

>Orthogroup1869: ANID|CBF80604.1 ANID|CBF87447.1 ANID|CBF87502.1 BCIN|XP\_024553566.1 CFRU|XP\_031886799.1 CGLO|KAF3801407.1 CGLO|KAF3807489.1 CHIG|XP\_018158746.1 CHIG|XP\_018159089.1 CVIN|KAF4907612.1 CVYL|A05011 FGRM|XP\_011323359.1 MORY|QBZ60412.1 NCRA|XP\_011393715.1 NCRA|XP\_957926.1

>Orthogroup1870: ANID|CBF80633.1 ANID|CBF89036.1 BCIN|XP\_024551612.1 BCIN|XP\_024553622.1 CFRU|XP\_031886899.1 CGLO|KAF3811290.1 CHIG|XP\_018153120.1 CHIG|XP\_018160515.1 CVIN|KAF4927268.1 CVYL|A04442 FGRM|XP\_011327332.1 MORY|QBZ56144.1 NCRA|XP\_957921.2 SSCL|APA08576.1 SSCL|APA14829.1

>Orthogroup1871: ANID|CBF80774.1 BCIN|XP\_001558095.1 CFRU|XP\_031875709.1 CFRU|XP\_031878695.1 CGLO|KAF3798159.1 CGLO|KAF3798361.1 CHIG|XP\_018154051.1 CVIN|KAF4919139.1 CVIN|KAF4920297.1 CVYL|A04957 CVYL|A09035 FGRM|XP\_011320369.1 MORY|QBZ61175.1 SSCL|APA09538.1 SSCL|APA12949.1

>Orthogroup1872: ANID|CBF80869.1 BCIN|XP\_024553369.1 BGRA|VDB93741.1 CFRU|XP\_031881833.1 CGLO|KAF3800636.1 CHIG|XP\_018152048.1 CVIN|KAF4918185.1 CVYL|A08562 CVYL|A13080 FGRM|XP\_011317345.1 MGRA|XP\_003855094.1 MLAR|XP\_007409560.1 MORY|QBZ57297.1 NCRA|XP\_956270.2 SSCL|APA13696.1

>Orthogroup1873: ANID|CBF80888.1 BCIN|XP\_024546976.1 BGRA|VDB93695.1 CFRU|XP\_031877986.1 CGLO|KAF3799613.1 CHIG|XP\_018154615.1 CVIN|KAF4926453.1 CVYL|A13475 FGRM|XP\_011316551.1 FGRM|XP\_011316552.1 MGRA|XP\_003855651.1 MLAR|XP\_007403999.1 MORY|QBZ54304.1 NCRA|XP\_963373.1 SSCL|APA05957.1

>Orthogroup1874: ANID|CBF80953.1 BCIN|XP\_001549914.2 CFRU|XP\_031878555.1 CFRU|XP\_031888553.1 CGLO|KAF3798535.1 CHIG|XP\_018161186.1 CHIG|XP\_018163860.1 CVIN|KAF4919265.1 CVIN|KAF4920382.1 CVYL|A14538 FGRM|XP\_011316781.1 MGRA|XP\_003855658.1 MORY|QBZ63000.1 NCRA|XP\_957990.1 SSCL|APA06659.1

>Orthogroup1875: ANID|CBF80964.1 BCIN|XP\_024546522.1 BGRA|VDB90784.1 BGRA|VDB90785.1 CFRU|XP\_031890328.1 CGLO|KAF3804872.1 CHIG|XP\_018164404.1 CVIN|KAF4921153.1 CVYL|A12197 FGRM|XP\_011316819.1 MGRA|XP\_003851145.1 MLAR|XP\_007408822.1 MORY|QBZ63631.1 NCRA|XP\_965339.1 SSCL|APA06725.1

>Orthogroup1876: ANID|CBF80983.1 BCIN|XP\_024553404.1 BGRA|VDB83569.1 CFRU|XP\_031882628.1 CFRU|XP\_031882632.1 CGLO|KAF3803951.1 CHIG|XP\_018150993.1 CVIN|KAF4925151.1 CVYL|A08851 FGRM|XP\_011323457.1 MGRA|XP\_003855324.1 MLAR|XP\_007407812.1 MORY|QBZ54143.1 NCRA|XP\_957064.3 SSCL|APA13746.1

>Orthogroup1877: ANID|CBF81002.1 BCIN|XP\_024553744.1 BGRA|VDB93466.1 CFRU|XP\_031885070.1 CGLO|KAF3800345.1 CHIG|XP\_018162834.1 CVIN|KAF4914537.1 CVYL|A07464 FGRM|XP\_011326409.1 MGRA|XP\_003853716.1 MLAR|XP\_007407862.1 MLAR|XP\_007408650.1 MORY|QBZ63242.1 NCRA|XP\_958610.1 SSCL|APA15130.1

>Orthogroup1878: ANID|CBF81039.1 BCIN|XP\_024550638.1 BGRA|VCU39561.1 CFRU|XP\_031882455.1 CGLO|KAF3809424.1 CHIG|XP\_018156265.1 CVIN|KAF4916320.1 CVYL|A03093 FGRM|XP\_011318794.1 MGRA|XP\_003847572.1 MLAR|XP\_007412500.1 MLAR|XP\_007419295.1 MORY|QBZ62197.1 NCRA|XP\_011395030.1 SSCL|APA11458.1

>Orthogroup1879: ANID|CBF81045.1 BCIN|XP\_024553366.1 BGRA|VDB91219.1 CFRU|XP\_031883234.1 CGLO|KAF3800570.1 CGLO|KAF3800699.1 CHIG|XP\_018152111.1 CVIN|KAF4927072.1 CVYL|A13145 FGRM|XP\_011317249.1 MGRA|XP\_003852604.1 MLAR|XP\_007410462.1 MORY|QBZ60324.1 NCRA|XP\_959725.2 SSCL|APA13689.1

>Orthogroup1880: ANID|CBF81067.1 BCIN|XP\_024546008.1 BGRA|VCU39416.1 CFRU|XP\_031889810.1 CGLO|KAF3810504.1 CHIG|XP\_018159110.1 CVIN|KAF4924685.1 CVYL|A14110 FGRM|XP\_011317191.1 MGRA|XP\_003852696.1 MLAR|XP\_007412410.1 MORY|QBZ59142.1 MORY|QBZ62418.1 NCRA|XP\_959271.3 SSCL|APA07319.1

>Orthogroup1881: ANID|CBF81091.1 BCIN|XP\_024549177.1 BGRA|VCU39860.1 CFRU|XP\_031890331.1 CGLO|KAF3806702.1 CHIG|XP\_018158675.1 CVIN|KAF4925964.1 CVYL|A14007 FGRM|XP\_011315937.1 MGRA|XP\_003852831.1 MLAR|XP\_007408161.1 MLAR|XP\_007417739.1 MORY|QBZ55748.1 NCRA|XP\_964610.1 SSCL|APA08755.1

>Orthogroup1882: ANID|CBF81166.1 BCIN|XP\_024549362.1 BGRA|VCU38886.1 CFRU|XP\_031887520.1 CGLO|KAF3803206.1 CHIG|XP\_018161047.1 CVIN|KAF4928661.1 CVYL|A03635 FGRM|XP\_011323571.1 MGRA|XP\_003853663.1 MLAR|XP\_007412136.1 MLAR|XP\_007413105.1 MORY|QBZ58752.1 NCRA|XP\_011394215.1 SSCL|APA15770.1

>Orthogroup1883: ANID|CBF81228.1 BCIN|XP\_001545414.1 BGRA|VDB90558.1 CFRU|XP\_031884184.1 CGLO|KAF3803767.1 CHIG|XP\_018153148.1 CVIN|KAF4917891.1 CVYL|A14147 FGRM|XP\_011324177.1 MGRA|XP\_003850769.1 MLAR|XP\_007404152.1 MLAR|XP\_007404752.1 MORY|QBZ59765.1 NCRA|XP\_965098.2 SSCL|APA06472.1

>Orthogroup1884: ANID|CBF81230.1 BCIN|XP\_001561314.1 BGRA|VDB90714.1 CFRU|XP\_031882875.1 CGLO|KAF3803375.1 CHIG|XP\_018164109.1 CVIN|KAF4915983.1 CVYL|A14286 FGRM|XP\_011321920.1 FGRM|XP\_011326816.1 MGRA|XP\_003850601.1 MLAR|XP\_007408349.1 MORY|QBZ56467.1 NCRA|XP\_963786.1 SSCL|APA06848.1

>Orthogroup1885: ANID|CBF81232.1 BCIN|XP\_024546571.1 BGRA|VDB90618.1 CFRU|XP\_031888331.1 CGLO|KAF3803727.1 CHIG|XP\_018153188.1 CVIN|KAF4928490.1 CVYL|A05951 CVYL|A14663 FGRM|XP\_011316843.1 MGRA|XP\_003851310.1 MLAR|XP\_007410138.1 MORY|QBZ59740.1 NCRA|XP\_965085.3 SSCL|APA06776.1

>Orthogroup1886: ANID|CBF81241.1 BCIN|XP\_024548745.1 BCIN|XP\_024553513.1 CFRU|XP\_031886931.1 CGLO|KAF3811386.1 CHIG|XP\_018160622.1 CVIN|KAF4919676.1 CVYL|A04578 FGRM|XP\_011327195.1 MGRA|XP\_003851217.1 MLAR|XP\_007412188.1 MORY|QBZ58054.1 NCRA|XP\_960740.2 SSCL|APA09750.1 SSCL|APA13779.1

>Orthogroup1887: ANID|CBF81258.1 BCIN|XP\_001548970.1 BGRA|VDB90733.1 CFRU|XP\_031879898.1 CGLO|KAF3798962.1 CHIG|XP\_018152851.1 CVIN|KAF4923488.1 CVYL|A07879 FGRM|XP\_011324354.1 MGRA|XP\_003851152.1 MLAR|XP\_007404525.1 MLAR|XP\_007407178.1 MORY|QBZ53349.1 NCRA|XP\_959641.1 SSCL|APA07030.1

>Orthogroup1888: ANID|CBF81270.1 BCIN|XP\_024548267.1 BGRA|VDB93087.1 CFRU|XP\_031882679.1 CGLO|KAF3800498.1 CHIG|XP\_018152200.1 CHIG|XP\_018152201.1 CVIN|KAF4919244.1 CVIN|KAF4919247.1 CVYL|A13216 FGRM|XP\_011321314.1 MGRA|XP\_003847882.1 MORY|QBZ61093.1 NCRA|XP\_963258.3 SSCL|APA12506.1

>Orthogroup1889: ANID|CBF81274.1 BCIN|XP\_024548194.1 CFRU|XP\_031877408.1 CFRU|XP\_031890821.1 CGLO|KAF3808457.1 CGLO|KAF3811686.1 CHIG|XP\_018151820.1 CHIG|XP\_018161998.1 CVIN|KAF4915207.1 CVIN|KAF4915936.1 FGRM|XP\_011319397.1 MGRA|XP\_003847847.1 MORY|QBZ61889.1 NCRA|XP\_001728067.2 SSCL|APA12446.1

>Orthogroup1890: ANID|CBF81288.1 BCIN|XP\_024546389.1 BGRA|VDB90539.1 CFRU|XP\_031890470.1 CGLO|KAF3804925.1 CHIG|XP\_018164424.1 CVIN|KAF4919404.1 CVYL|A12129 FGRM|XP\_011317137.1 MGRA|XP\_003850694.1 MLAR|XP\_007416892.1 MORY|QBZ63763.1 NCRA|XP\_011393303.1 NCRA|XP\_965501.3 SSCL|APA07201.1

>Orthogroup1891: ANID|CBF81326.1 BCIN|XP\_024546517.1 BGRA|VDB94026.1 CFRU|XP\_031879858.1 CGLO|KAF3803038.1 CHIG|XP\_018153585.1 CHIG|XP\_018158045.1 CVIN|KAF4929955.1 CVYL|A00050 FGRM|XP\_011317131.1 MLAR|XP\_007416485.1 MORY|QBZ59481.1 NCRA|XP\_956811.1 NCRA|XP\_962085.1 SSCL|APA06731.1

>Orthogroup1892: ANID|CBF81328.1 BCIN|XP\_024548525.1 BGRA|VCU40416.1 CFRU|XP\_031885486.1 CGLO|KAF3799467.1 CHIG|XP\_018154452.1 CVIN|KAF4931892.1 CVYL|A13329 FGRM|XP\_011325531.1 MGRA|XP\_003847912.1 MLAR|XP\_007407694.1 MLAR|XP\_007409343.1 MORY|QBZ64878.1 NCRA|XP\_963620.1 SSCL|APA12104.1

>Orthogroup1893: ANID|CBF81343.1 BCIN|XP\_001547998.1 BGRA|VDB83863.1 CFRU|XP\_031877640.1 CGLO|KAF3801087.1 CHIG|XP\_018153738.1 CVIN|KAF4890685.1 CVYL|A11308 FGRM|XP\_011327784.1 MGRA|XP\_003848357.1 MLAR|XP\_007412492.1 MLAR|XP\_007414742.1 MORY|QBZ60595.1 NCRA|XP\_959778.1 SSCL|APA14251.1

>Orthogroup1894: ANID|CBF81414.1 BCIN|XP\_024546103.1 BGRA|VDB92947.1 CFRU|XP\_031882804.1 CGLO|KAF3812047.1 CHIG|XP\_018164170.1 CVIN|KAF4923696.1 CVYL|A14226 FGRM|XP\_011326779.1 MGRA|XP\_003850754.1 MGRA|XP\_003857182.1 MLAR|XP\_007407847.1 MORY|QBZ63225.1 NCRA|XP\_964203.1 SSCL|APA06622.1

>Orthogroup1895: ANID|CBF81481.1 BCIN|XP\_001560599.1 BGRA|VDB94861.1 CFRU|XP\_031885748.1 CGLO|KAF3810261.1 CHIG|XP\_018157932.1 CVIN|KAF4918607.1 CVYL|A02864 CVYL|A09973 FGRM|XP\_011328237.1 MGRA|XP\_003854464.1 MLAR|XP\_007418550.1 MORY|QBZ56075.1 NCRA|XP\_958640.1 SSCL|APA07906.1

>Orthogroup1896: ANID|CBF81508.1 BCIN|XP\_024550711.1 BGRA|VCU40954.1 CFRU|XP\_031892639.1 CGLO|KAF3809146.1 CHIG|XP\_018155941.1 CVIN|KAF4922136.1 CVYL|A01331 FGRM|XP\_011318801.1 MGRA|XP\_003857609.1 MLAR|XP\_007403538.1 MLAR|XP\_007408944.1 MORY|QBZ59114.1 NCRA|XP\_960845.1 SSCL|APA11549.1

>Orthogroup1897: ANID|CBF81516.1 BCIN|XP\_024548786.1 BGRA|VDB89932.1 BGRA|VDB89934.1 CFRU|XP\_031880161.1 CGLO|KAF3811824.1 CHIG|XP\_018151743.1 CVIN|KAF4924886.1 CVYL|A12828 FGRM|XP\_011319517.1 MGRA|XP\_003854241.1 MLAR|XP\_007409313.1 MORY|QBZ60758.1 NCRA|XP\_011395342.1 SSCL|APA09680.1

>Orthogroup1898: ANID|CBF81518.1 BCIN|XP\_024548596.1 BGRA|VDB89235.1 CFRU|XP\_031880030.1 CGLO|KAF3811781.1 CHIG|XP\_018151752.1 CVIN|KAF4907640.1 CVYL|A12786 FGRM|XP\_011321184.1 MGRA|XP\_003853999.1 MLAR|XP\_007405885.1 MORY|QBZ61609.1 NCRA|XP\_959692.1 NCRA|XP\_963594.3 SSCL|APA09801.1

>Orthogroup1899: ANID|CBF81547.1 BCIN|XP\_024553122.1 BGRA|VCU41251.1 CFRU|XP\_031881760.1 CGLO|KAF3800692.1 CHIG|XP\_018157656.1 CVIN|KAF4922033.1 CVYL|A13027 FGRM|XP\_011325666.1 MLAR|XP\_007409507.1 MORY|QBZ56774.1 MORY|QBZ61254.1 MORY|QBZ66739.1 NCRA|XP\_958294.1 SSCL|APA16351.1

>Orthogroup1900: ANID|CBF81588.1 BCIN|XP\_001560777.1 BGRA|VDB90394.1 CFRU|XP\_031885850.1 CGLO|KAF3810263.1 CHIG|XP\_018157930.1 CVIN|KAF4918581.1 CVYL|A02866 FGRM|XP\_011319957.1 MGRA|XP\_003854436.1 MLAR|XP\_007410616.1 MLAR|XP\_007415015.1 MORY|QBZ56058.1 NCRA|XP\_958638.1 SSCL|APA08032.1

>Orthogroup1901: ANID|CBF81594.1 BCIN|XP\_001555454.1 CFRU|XP\_031885574.1 CGLO|KAF3810257.1 CHIG|XP\_018157937.1 CVIN|KAF4918600.1 CVYL|A02860 FGRM|XP\_011328233.1 MGRA|XP\_003853708.1 MLAR|XP\_007405909.1 MLAR|XP\_007405910.1 MLAR|XP\_007413074.1 MORY|QBZ56071.1 NCRA|XP\_011394988.1 SSCL|APA08172.1

>Orthogroup1902: ANID|CBF81625.1 ANID|CBF83498.1 BCIN|XP\_024547699.1 BGRA|VDB94862.1 CFRU|XP\_031885853.1 CGLO|KAF3810262.1 CHIG|XP\_018156626.1 CHIG|XP\_018157931.1 CVIN|KAF4918608.1 CVYL|A02865 FGRM|XP\_011319958.1 MLAR|XP\_007415701.1 MORY|QBZ56042.1 NCRA|XP\_958639.1 SSCL|APA07905.1

>Orthogroup1903: ANID|CBF81632.1 BCIN|XP\_001559754.1 BGRA|VDB89576.1 CFRU|XP\_031880035.1 CGLO|KAF3811789.1 CHIG|XP\_018151714.1 CVIN|KAF4907642.1 CVYL|A12794 FGRM|XP\_011321146.1 MGRA|XP\_003853493.1 MGRA|XP\_003853694.1 MLAR|XP\_007411252.1 MORY|QBZ63140.1 NCRA|XP\_011395300.1 SSCL|APA09600.1

>Orthogroup1904: ANID|CBF81722.1 BCIN|XP\_024551824.1 BGRA|VDB94989.1 CFRU|XP\_031883777.1 CGLO|KAF3803136.1 CGLO|KAF3805127.1 CHIG|XP\_018163387.1 CVIN|KAF4927402.1 CVYL|A06429 FGRM|XP\_011316040.1 MGRA|XP\_003856390.1 MGRA|XP\_003856692.1 MORY|QBZ59504.1 NCRA|XP\_011394276.1 SSCL|APA14713.1

>Orthogroup1905: ANID|CBF81729.1 BCIN|XP\_001558396.1 BGRA|VDB95078.1 CFRU|XP\_031883780.1 CGLO|KAF3797449.1 CHIG|XP\_018163556.1 CVIN|KAF4920651.1 CVYL|A09883 FGRM|XP\_011316960.1 MGRA|XP\_003856576.1 MLAR|XP\_007412078.1 MORY|QBZ54888.1 MORY|QBZ59057.1 NCRA|XP\_962150.2 SSCL|APA06295.1

>Orthogroup1906: ANID|CBF81761.1 BCIN|XP\_024550582.1 BGRA|VDB94695.1 CFRU|XP\_031889491.1 CGLO|KAF3797694.1 CHIG|XP\_018155474.1 CVIN|KAF4928327.1 CVYL|A01075 FGRM|XP\_011323866.1 MLAR|XP\_007415345.1 MLAR|XP\_007416264.1 MLAR|XP\_007416273.1 MORY|QBZ58590.1 NCRA|XP\_960190.1 SSCL|APA11384.1

>Orthogroup1907: ANID|CBF81795.1 BCIN|XP\_001549685.1 BGRA|VDB90361.1 CFRU|XP\_031885836.1 CGLO|KAF3810173.1 CHIG|XP\_018157791.1 CVIN|KAF4929107.1 CVYL|A02764 FGRM|XP\_011320125.1 MGRA|XP\_003851819.1 MGRA|XP\_003854289.1 MLAR|XP\_007411316.1 MORY|QBZ61289.1 NCRA|XP\_957548.2 SSCL|APA11395.1

>Orthogroup1908: ANID|CBF81802.1 BCIN|XP\_001559612.2 BGRA|VDB84123.1 CFRU|XP\_031876045.1 CGLO|KAF3805255.1 CHIG|XP\_018158820.1 CVIN|KAF4918650.1 CVYL|A13905 FGRM|XP\_011317315.1 MGRA|XP\_003848164.1 MLAR|XP\_007405310.1 MLAR|XP\_007411502.1 MORY|QBZ60370.1 NCRA|XP\_011393193.1 SSCL|APA09384.1

>Orthogroup1909: ANID|CBF81876.1 BCIN|XP\_001550350.1 BGRA|VDB84106.1 CFRU|XP\_031889582.1 CGLO|KAF3805230.1 CGLO|KAF3807971.1 CHIG|XP\_018158840.1 CVIN|KAF4911346.1 CVYL|A13881 FGRM|XP\_011316448.1 MGRA|XP\_003856127.1 MLAR|XP\_007418144.1 MORY|QBZ62492.1 NCRA|XP\_964104.1 SSCL|APA10052.1

>Orthogroup1910: ANID|CBF81880.1 BCIN|XP\_001557495.1 BGRA|VCU39540.1 CFRU|XP\_031876927.1 CGLO|KAF3810698.1 CHIG|XP\_018162464.1 CVIN|KAF4909755.1 CVYL|A07259 FGRM|XP\_011327000.1 MGRA|XP\_003855577.1 MLAR|XP\_007417303.1 MLAR|XP\_007417304.1 MORY|QBZ59312.1 NCRA|XP\_957807.1 SSCL|APA10618.1

>Orthogroup1911: ANID|CBF81909.1 BCIN|XP\_001548947.1 BGRA|VDB93999.1 CFRU|XP\_031886173.1 CGLO|KAF3806564.1 CHIG|XP\_018157604.1 CVIN|KAF4920473.1 CVYL|A09305 FGRM|XP\_011327885.1 MGRA|XP\_003851363.1 MLAR|XP\_007410015.1 MLAR|XP\_007411646.1 MORY|QBZ58911.1 NCRA|XP\_962374.1 SSCL|APA05723.1

>Orthogroup1912: ANID|CBF82000.1 ANID|CBF85325.1 BCIN|XP\_001549942.1 BCIN|XP\_001555104.1 BCIN|XP\_024551550.1 BGRA|VDB89169.1 CFRU|XP\_031892518.1 CGLO|KAF3809097.1 CHIG|XP\_018155897.1 CVIN|KAF4922129.1 CVYL|A01284 MGRA|XP\_003856884.1 MORY|QBZ59951.1 NCRA|XP\_964770.2 SSCL|APA08454.1

>Orthogroup1913: ANID|CBF82099.1 BCIN|XP\_001548564.1 CFRU|XP\_031881505.1 CFRU|XP\_031881506.1 CGLO|KAF3805733.1 CHIG|XP\_018163648.1 CHIG|XP\_018163649.1 CVIN|KAF4926634.1 CVIN|KAF4926642.1 CVYL|A09811 CVYL|A09813 FGRM|XP\_011316736.1 MORY|QBZ54934.1 MORY|QBZ64208.1 SSCL|APA11763.1

>Orthogroup1914: ANID|CBF82205.1 ANID|CBF89867.1 BCIN|XP\_001550018.1 BGRA|VDB89090.1 CFRU|XP\_031884168.1 CGLO|KAF3806484.1 CHIG|XP\_018162380.1 CVIN|KAF4902806.1 CVYL|A12083 FGRM|XP\_011323903.1 MGRA|XP\_003848432.1 MLAR|XP\_007408676.1 MORY|QBZ61499.1 NCRA|XP\_957787.1 SSCL|APA10489.1

>Orthogroup1915: ANID|CBF82269.1 CFRU|XP\_031877027.1 CFRU|XP\_031878588.1 CFRU|XP\_031879076.1 CFRU|XP\_031889509.1 CGLO|KAF3798498.1 CGLO|KAF3798805.1 CGLO|KAF3810605.1 CHIG|XP\_018152965.1 CVIN|KAF4908274.1 CVIN|KAF4911075.1 CVIN|KAF4917489.1 CVYL|A07982 CVYL|A11165 CVYL|A13687

>Orthogroup1916: ANID|CBF82420.1 BCIN|XP\_024552111.1 CFRU|XP\_031888485.1 CFRU|XP\_031888641.1 CGLO|KAF3803515.1 CGLO|KAF3804264.1 CHIG|XP\_018164073.1 CVIN|KAF4909061.1 CVIN|KAF4922264.1 CVYL|A03946 CVYL|A14445 FGRM|XP\_011316162.1 MORY|QBZ56429.1 NCRA|XP\_965409.1 SSCL|APA12943.1

>Orthogroup1917: ANID|CBF82449.1 BCIN|XP\_024546160.1 BGRA|VDB90770.1 CFRU|XP\_031888365.1 CGLO|KAF3803618.1 CHIG|XP\_018163845.1 CVIN|KAF4920358.1 CVYL|A14550 FGRM|XP\_011326547.1 MGRA|XP\_003857760.1 MLAR|XP\_007411306.1 MLAR|XP\_007417342.1 MORY|QBZ54720.1 NCRA|XP\_964416.2 SSCL|APA07065.1

>Orthogroup1918: ANID|CBF82513.1 ANID|CBF84832.1 BCIN|XP\_024547731.1 CFRU|XP\_031876193.1 CFRU|XP\_031876194.1 CFRU|XP\_031882238.1 CGLO|KAF3804483.1 CHIG|XP\_018160312.1 CVIN|KAF4930923.1 CVYL|A04198 FGRM|XP\_011321800.1 FGRM|XP\_011326917.1 MORY|QBZ57064.1 NCRA|XP\_961370.2 SSCL|APA07974.1

>Orthogroup1919: ANID|CBF82552.1 BCIN|XP\_024552885.1 BGRA|VCU39631.1 CFRU|XP\_031887150.1 CFRU|XP\_031888180.1 CGLO|KAF3809228.1 CHIG|XP\_018156055.1 CVIN|KAF4925327.1 CVYL|A01418 CVYL|A04056 FGRM|XP\_011319041.1 MLAR|XP\_007403998.1 MORY|QBZ62489.1 NCRA|XP\_960832.1 SSCL|APA16084.1

>Orthogroup1920: ANID|CBF82556.1 BCIN|XP\_024552935.1 BGRA|VCU41295.1 CFRU|XP\_031889077.1 CGLO|KAF3808696.1 CHIG|XP\_018155560.1 CVIN|KAF4929570.1 CVYL|A00958 FGRM|XP\_011321120.1 MGRA|XP\_003854098.1 MLAR|XP\_007406793.1 MORY|QBZ56656.1 MORY|QBZ60099.1 NCRA|XP\_957406.3 SSCL|APA07550.1

>Orthogroup1921: ANID|CBF82584.1 BCIN|XP\_001550380.2 BGRA|VDB83912.1 CFRU|XP\_031890560.1 CGLO|KAF3798127.1 CHIG|XP\_018158647.1 CVIN|KAF4925959.1 CVYL|A13981 FGRM|XP\_011316428.1 MLAR|XP\_007412650.1 MLAR|XP\_007418678.1 MLAR|XP\_007418812.1 MORY|QBZ62593.1 NCRA|XP\_963728.2 SSCL|APA10069.1

>Orthogroup1922: ANID|CBF82616.1 BCIN|XP\_001548108.2 BGRA|VDB83932.1 CFRU|XP\_031889953.1 CGLO|KAF3802893.1 CHIG|XP\_018158483.1 CVIN|KAF4913035.1 CVYL|A05120 FGRM|XP\_011316409.1 FGRM|XP\_011321799.1 MGRA|XP\_003857661.1 MLAR|XP\_007411264.1 MORY|QBZ55940.1 NCRA|XP\_963821.1 SSCL|APA09496.1

>Orthogroup1923: ANID|CBF82644.1 BCIN|XP\_001550544.1 BGRA|VDB93068.1 CFRU|XP\_031877649.1 CGLO|KAF3796988.1 CHIG|XP\_018153698.1 CVIN|KAF4898625.1 CVYL|A00268 FGRM|XP\_011327820.1 MGRA|XP\_003848415.1 MLAR|XP\_007404354.1 MLAR|XP\_007404729.1 MORY|QBZ60544.1 NCRA|XP\_959440.1 SSCL|APA14189.1

>Orthogroup1924: ANID|CBF82646.1 BCIN|XP\_001550543.1 BGRA|VDB93067.1 CFRU|XP\_031877650.1 CGLO|KAF3796989.1 CHIG|XP\_018153697.1 CVIN|KAF4898627.1 CVYL|A00279 FGRM|XP\_011327819.1 MGRA|XP\_003848560.1 MLAR|XP\_007404352.1 MLAR|XP\_007404727.1 MORY|QBZ60545.1 NCRA|XP\_959442.1 SSCL|APA14190.1

>Orthogroup1925: ANID|CBF82681.1 BCIN|XP\_001552793.1 BGRA|VDB88793.1 CFRU|XP\_031892020.1 CGLO|KAF3800139.1 CHIG|XP\_018165074.1 CVIN|KAF4925791.1 CVYL|A06829 FGRM|XP\_011327683.1 MGRA|XP\_003846905.1 MGRA|XP\_003846936.1 MGRA|XP\_003851771.1 MORY|QBZ60648.1 NCRA|XP\_001728522.1 SSCL|APA14036.1

>Orthogroup1926: ANID|CBF82727.1 BCIN|XP\_024551014.1 BGRA|VDB93208.1 CFRU|XP\_031887401.1 CGLO|KAF3809282.1 CHIG|XP\_018156115.1 CVIN|KAF4921053.1 CVYL|A01476 FGRM|XP\_011318915.1 MGRA|XP\_003846980.1 MGRA|XP\_003856043.1 MLAR|XP\_007406180.1 MORY|QBZ62201.1 NCRA|XP\_011394648.1 SSCL|APA11930.1

>Orthogroup1927: ANID|CBF82738.1 BCIN|XP\_001557710.1 BGRA|VCU40934.1 CFRU|XP\_031880208.1 CGLO|KAF3809078.1 CHIG|XP\_018155918.1 CVIN|KAF4919739.1 CVYL|A01634 FGRM|XP\_011318893.1 MGRA|XP\_003855990.1 MLAR|XP\_007417891.1 MLAR|XP\_007418596.1 MORY|QBZ62423.1 NCRA|XP\_958853.1 SSCL|APA12220.1

>Orthogroup1928: ANID|CBF82835.1 BCIN|XP\_001560440.1 BGRA|VCU39862.1 CFRU|XP\_031889828.1 CGLO|KAF3810555.1 CHIG|XP\_018159046.1 CVIN|KAF4899752.1 CVYL|A13631 FGRM|XP\_011328365.1 MGRA|XP\_003852757.1 MLAR|XP\_007408128.1 MLAR|XP\_007408440.1 MORY|QBZ54517.1 NCRA|XP\_959815.1 SSCL|APA08752.1

>Orthogroup1929: ANID|CBF82855.1 BCIN|XP\_024545959.1 BGRA|VDB91391.1 CFRU|XP\_031889536.1 CGLO|KAF3805886.1 CHIG|XP\_018158894.1 CVIN|KAF4920787.1 CVYL|A13827 FGRM|XP\_011317317.1 MGRA|XP\_003856203.1 MLAR|XP\_007410613.1 MLAR|XP\_007416480.1 MORY|QBZ64642.1 NCRA|XP\_959418.1 SSCL|APA07404.1

>Orthogroup1930: ANID|CBF82860.1 BCIN|XP\_024545984.1 BGRA|VCU39848.1 CFRU|XP\_031890206.1 CGLO|KAF3802870.1 CHIG|XP\_018158468.1 CVIN|KAF4923833.1 CVYL|A05143 FGRM|XP\_011316398.1 MGRA|XP\_003847460.1 MGRA|XP\_003856201.1 MLAR|XP\_007408217.1 MORY|QBZ55903.1 NCRA|XP\_964753.2 SSCL|APA07429.1

>Orthogroup1931: ANID|CBF82868.1 ANID|CBF84813.1 BCIN|XP\_024546645.1 BGRA|VDB95027.1 CFRU|XP\_031885768.1 CGLO|KAF3810193.1 CHIG|XP\_018157812.1 CVIN|KAF4929132.1 CVYL|A02785 FGRM|XP\_011320381.1 MGRA|XP\_003855517.1 MORY|QBZ62649.1 NCRA|XP\_960361.3 SSCL|APA06478.1 SSCL|APA15367.1

>Orthogroup1932: ANID|CBF83153.1 BCIN|XP\_024550556.1 BGRA|VDB86000.1 CFRU|XP\_031892622.1 CGLO|KAF3797172.1 CHIG|XP\_018157333.1 CVIN|KAF4918850.1 CVYL|A10524 FGRM|XP\_011328270.1 MGRA|XP\_003853667.1 MLAR|XP\_007404205.1 MLAR|XP\_007417797.1 MORY|QBZ66138.1 NCRA|XP\_965769.3 SSCL|APA11353.1

>Orthogroup1933: ANID|CBF83270.1 BCIN|XP\_024548869.1 BGRA|VDB89401.1 CFRU|XP\_031878015.1 CFRU|XP\_031878019.1 CGLO|KAF3799576.1 CHIG|XP\_018154555.1 CVIN|KAF4926467.1 CVYL|A13436 FGRM|XP\_011325552.1 MGRA|XP\_003853029.1 MORY|QBZ53984.1 NCRA|XP\_011394493.1 NCRA|XP\_955958.2 SSCL|APA09429.1

>Orthogroup1934: ANID|CBF83291.1 BCIN|XP\_001558044.2 BGRA|VDB92723.1 CFRU|XP\_031880675.1 CGLO|KAF3809960.1 CHIG|XP\_018161542.1 CVIN|KAF4914191.1 CVYL|A01663 FGRM|XP\_011321380.1 MGRA|XP\_003848760.1 MLAR|XP\_007407881.1 MLAR|XP\_007414426.1 MORY|QBZ65263.1 NCRA|XP\_011394322.1 SSCL|APA12883.1

>Orthogroup1935: ANID|CBF83312.1 BCIN|XP\_024552311.1 BGRA|VDB92838.1 CFRU|XP\_031877463.1 CGLO|KAF3798426.1 CHIG|XP\_018158984.1 CHIG|XP\_018161246.1 CVIN|KAF4920030.1 CVYL|A11211 FGRM|XP\_011317836.1 MGRA|XP\_003848806.1 MLAR|XP\_007406988.1 MORY|QBZ65083.1 NCRA|XP\_962080.2 SSCL|APA13260.1

>Orthogroup1936: ANID|CBF83319.1 BCIN|XP\_024552342.1 BGRA|VDB92690.1 BGRA|VDB92691.1 CFRU|XP\_031881131.1 CGLO|KAF3809892.1 CHIG|XP\_018161479.1 CVIN|KAF4930635.1 CVYL|A01726 FGRM|XP\_011321404.1 MGRA|XP\_003848962.1 MLAR|XP\_007413649.1 MORY|QBZ65264.1 NCRA|XP\_962964.2 SSCL|APA13172.1

>Orthogroup1937: ANID|CBF83417.1 BCIN|XP\_024552656.1 BGRA|VDB95233.1 CFRU|XP\_031882548.1 CGLO|KAF3796933.1 CHIG|XP\_018152233.1 CVIN|KAF4901183.1 CVYL|A13246 FGRM|XP\_011325689.1 MGRA|XP\_003851773.1 MLAR|XP\_007405380.1 MLAR|XP\_007413748.1 MORY|QBZ61002.1 NCRA|XP\_956015.1 SSCL|APA15561.1

>Orthogroup1938: ANID|CBF83425.1 BCIN|XP\_024548582.1 CFRU|XP\_031882284.1 CFRU|XP\_031888332.1 CGLO|KAF3804350.1 CHIG|XP\_018153187.1 CHIG|XP\_018159788.1 CHIG|XP\_018160123.1 CVIN|KAF4918356.1 CVIN|KAF4928522.1 CVYL|A04041 CVYL|A14664 FGRM|XP\_011318714.1 MORY|QBZ53940.1 SSCL|APA10018.1

>Orthogroup1939: ANID|CBF83489.1 BCIN|XP\_001550591.1 BGRA|VDB89071.1 CFRU|XP\_031891999.1 CGLO|KAF3805573.1 CHIG|XP\_018164728.1 CVIN|KAF4922355.1 CVYL|A07629 FGRM|XP\_011324968.1 MGRA|XP\_003848538.1 MLAR|XP\_007406980.1 MLAR|XP\_007413651.1 MORY|QBZ64917.1 NCRA|XP\_958947.1 SSCL|APA14153.1

>Orthogroup1940: ANID|CBF83519.1 BCIN|XP\_001553644.1 BCIN|XP\_024553188.1 CFRU|XP\_031882109.1 CGLO|KAF3806124.1 CHIG|XP\_018164539.1 CVIN|KAF4911031.1 CVYL|A07385 FGRM|XP\_011325640.1 MGRA|XP\_003848676.1 MLAR|XP\_007407155.1 MLAR|XP\_007409620.1 NCRA|XP\_959501.2 SSCL|APA13451.1 SSCL|APA13452.1

>Orthogroup1941: ANID|CBF83528.1 BCIN|XP\_001547604.2 BGRA|VDB89030.1 CFRU|XP\_031882092.1 CGLO|KAF3806054.1 CHIG|XP\_018164627.1 CVIN|KAF4913560.1 CVYL|A07462 FGRM|XP\_011326734.1 MGRA|XP\_003848533.1 MLAR|XP\_007404235.1 MLAR|XP\_007415428.1 MORY|QBZ62373.1 NCRA|XP\_959548.1 SSCL|APA14344.1

>Orthogroup1942: ANID|CBF83621.1 BCIN|XP\_024548917.1 BGRA|VDB83871.1 CFRU|XP\_031886732.1 CGLO|KAF3798903.1 CHIG|XP\_018158575.1 CVIN|KAF4925594.1 CVYL|A05049 FGRM|XP\_011316645.1 MGRA|XP\_003847357.1 MGRA|XP\_003853152.1 MLAR|XP\_007412867.1 MORY|QBZ60472.1 NCRA|XP\_965028.1 SSCL|APA09577.1

>Orthogroup1943: ANID|CBF83648.1 BCIN|XP\_024546120.1 BGRA|VDB90550.1 CFRU|XP\_031888487.1 CGLO|KAF3803523.1 CHIG|XP\_018164066.1 CVIN|KAF4922237.1 CVYL|A14453 FGRM|XP\_011316170.1 MGRA|XP\_003852178.1 MLAR|XP\_007411449.1 MORY|QBZ56421.1 NCRA|XP\_963564.2 NCRA|XP\_965144.3 SSCL|APA06642.1

>Orthogroup1944: ANID|CBF83696.1 BCIN|XP\_024546931.1 BGRA|VDB93632.1 CFRU|XP\_031888252.1 CGLO|KAF3803497.1 CHIG|XP\_018164027.1 CVIN|KAF4926274.1 CVYL|A14426 FGRM|XP\_011327123.1 MGRA|XP\_003856312.1 MLAR|XP\_007403996.1 MLAR|XP\_007417098.1 MORY|QBZ63189.1 NCRA|XP\_011393322.1 SSCL|APA05806.1

>Orthogroup1945: ANID|CBF83781.1 BCIN|XP\_024553167.1 BGRA|VDB88997.1 CFRU|XP\_031892016.1 CGLO|KAF3800136.1 CHIG|XP\_018165070.1 CVIN|KAF4925839.1 CVYL|A06825 FGRM|XP\_011327681.1 MGRA|XP\_003851540.1 MLAR|XP\_007406643.1 MLAR|XP\_007407724.1 MORY|QBZ60651.1 NCRA|XP\_011395287.1 SSCL|APA13416.1

>Orthogroup1946: ANID|CBF83797.1 BCIN|XP\_024547402.1 BGRA|VCU40168.1 CFRU|XP\_031882007.1 CGLO|KAF3806138.1 CHIG|XP\_018164523.1 CVIN|KAF4911036.1 CVYL|A07369 FGRM|XP\_011326670.1 MGRA|XP\_003848527.1 MLAR|XP\_007414724.1 MLAR|XP\_007414793.1 MORY|QBZ62367.1 NCRA|XP\_959230.3 SSCL|APA14413.1

>Orthogroup1947: ANID|CBF83812.1 BCIN|XP\_001558503.1 BCIN|XP\_024551858.1 BGRA|VDB95082.1 CFRU|XP\_031884993.1 CGLO|KAF3812202.1 CHIG|XP\_018153430.1 CVIN|KAF4920950.1 CVYL|A00183 FGRM|XP\_011316047.1 MGRA|XP\_003854760.1 MLAR|XP\_007410327.1 MORY|QBZ63517.1 NCRA|XP\_011393295.1 SSCL|APA06306.1

>Orthogroup1948: ANID|CBF83875.1 BCIN|XP\_024550896.1 BGRA|VDB89775.1 CFRU|XP\_031880374.1 CGLO|KAF3807295.1 CHIG|XP\_018156961.1 CHIG|XP\_018162136.1 CVIN|KAF4918084.1 CVYL|A10776 FGRM|XP\_011328173.1 MGRA|XP\_003853005.1 MLAR|XP\_007417260.1 MORY|QBZ65686.1 NCRA|XP\_964584.2 SSCL|APA11897.1

>Orthogroup1949: ANID|CBF84018.1 ANID|CBF87323.1 CFRU|XP\_031880021.1 CFRU|XP\_031891148.1 CFRU|XP\_031892250.1 CGLO|KAF3799731.1 CGLO|KAF3804623.1 CGLO|KAF3805195.1 CGLO|KAF3805196.1 CGLO|KAF3805576.1 CHIG|XP\_018163567.1 CVIN|KAF4909082.1 CVIN|KAF4922354.1 CVYL|A07626 MGRA|XP\_003857652.1

>Orthogroup1950: ANID|CBF84121.1 BCIN|XP\_024549454.1 BGRA|VDB91069.1 CFRU|XP\_031888431.1 CGLO|KAF3803464.1 CHIG|XP\_018163994.1 CVIN|KAF4926294.1 CVYL|A14394 FGRM|XP\_011326480.1 MGRA|XP\_003852440.1 MLAR|XP\_007415303.1 MLAR|XP\_007419718.1 MORY|QBZ63493.1 NCRA|XP\_958184.1 SSCL|APA09205.1

>Orthogroup1951: ANID|CBF84207.1 BCIN|XP\_001548680.1 BGRA|VDB96427.1 CFRU|XP\_031883410.1 CGLO|KAF3800499.1 CHIG|XP\_018152205.1 CVIN|KAF4919245.1 CVYL|A13213 CVYL|A13214 FGRM|XP\_011321316.1 MGRA|XP\_003849725.1 MLAR|XP\_007407291.1 MORY|QBZ61095.1 NCRA|XP\_963477.2 SSCL|APA15608.1

>Orthogroup1952: ANID|CBF84273.1 BCIN|XP\_001560965.1 BCIN|XP\_024552340.1 CFRU|XP\_031883828.1 CGLO|KAF3805105.1 CHIG|XP\_018163412.1 CVIN|KAF4927394.1 CVYL|A06453 FGRM|XP\_011319291.1 FGRM|XP\_011323162.1 FGRM|XP\_011328731.1 MGRA|XP\_003851387.1 MORY|QBZ64997.1 SSCL|APA06686.1 SSCL|APA13177.1

>Orthogroup1953: ANID|CBF84300.1 BCIN|XP\_024549112.1 CFRU|XP\_031882286.1 CFRU|XP\_031882287.1 CGLO|KAF3804338.1 CGLO|KAF3804339.1 CHIG|XP\_018160132.1 CHIG|XP\_018160133.1 CVIN|KAF4918339.1 CVYL|A04027 FGRM|XP\_011324580.1 FGRM|XP\_011324772.1 MGRA|XP\_003855105.1 MORY|QBZ54798.1 SSCL|APA15957.1

>Orthogroup1954: ANID|CBF84526.1 ANID|CBF86535.1 BCIN|XP\_001554746.1 CFRU|XP\_031885332.1 CGLO|KAF3799474.1 CHIG|XP\_018154459.1 CVIN|KAF4931793.1 CVYL|A13336 FGRM|XP\_011317906.1 FGRM|XP\_011325534.1 MGRA|XP\_003849721.1 MORY|QBZ64881.1 NCRA|XP\_011393501.1 NCRA|XP\_965070.2 SSCL|APA15480.1

>Orthogroup1955: ANID|CBF84535.1 BCIN|XP\_001558644.1 BCIN|XP\_024552581.1 CFRU|XP\_031883124.1 CGLO|KAF3808207.1 CHIG|XP\_018163197.1 CVIN|KAF4924286.1 CVIN|KAF4924287.1 CVYL|A00556 FGRM|XP\_011318414.1 MGRA|XP\_003851112.1 MORY|QBZ57980.1 SSCL|APA05669.1 SSCL|APA15645.1 SSCL|APA15647.1

>Orthogroup1956: ANID|CBF84701.1 CFRU|XP\_031884521.1 CFRU|XP\_031890991.1 CGLO|KAF3799685.1 CGLO|KAF3801516.1 CHIG|XP\_018151937.1 CHIG|XP\_018156552.1 CHIG|XP\_018158276.1 CVIN|KAF4898143.1 CVIN|KAF4919966.1 CVYL|A05848 CVYL|A12618 FGRM|XP\_011317544.1 FGRM|XP\_011322854.1 MGRA|XP\_003849387.1

>Orthogroup1957: ANID|CBF84753.1 BCIN|XP\_024547016.1 BGRA|VDB93745.1 CFRU|XP\_031877825.1 CGLO|KAF3804776.1 CHIG|XP\_018164250.1 CVIN|KAF4929803.1 CVYL|A12301 FGRM|XP\_011317035.1 MGRA|XP\_003856334.1 MLAR|XP\_007408218.1 MLAR|XP\_007418474.1 MORY|QBZ63566.1 NCRA|XP\_963954.2 SSCL|APA05892.1

>Orthogroup1958: ANID|CBF84760.1 BCIN|XP\_024546963.1 BGRA|VDB93863.1 CFRU|XP\_031890406.1 CGLO|KAF3804951.1 CHIG|XP\_018164458.1 CVIN|KAF4910219.1 CVYL|A12102 FGRM|XP\_011317106.1 MGRA|XP\_003856762.1 MLAR|XP\_007404665.1 MLAR|XP\_007408256.1 MORY|QBZ61462.1 NCRA|XP\_964068.1 SSCL|APA05979.1

>Orthogroup1959: ANID|CBF84788.1 BCIN|XP\_024548554.1 BGRA|VCU40215.1 CFRU|XP\_031890011.1 CGLO|KAF3802889.1 CHIG|XP\_018158500.1 CVIN|KAF4913020.1 CVYL|A05124 CVYL|A09996 FGRM|XP\_011316577.1 MGRA|XP\_003852301.1 MLAR|XP\_007416543.1 MORY|QBZ63223.1 NCRA|XP\_965041.1 SSCL|APA10064.1

>Orthogroup1960: ANID|CBF84849.1 BCIN|XP\_001550943.1 BGRA|VDB90704.1 CFRU|XP\_031888234.1 CGLO|KAF3803472.1 CHIG|XP\_018164002.1 CVIN|KAF4926321.1 CVYL|A14402 FGRM|XP\_011326664.1 MGRA|XP\_003853158.1 MLAR|XP\_007407985.1 MLAR|XP\_007412912.1 MORY|QBZ63496.1 NCRA|XP\_958477.3 SSCL|APA07146.1

>Orthogroup1961: ANID|CBF84853.1 BCIN|XP\_024546315.1 BGRA|VDB91132.1 BGRA|VDB91133.1 CFRU|XP\_031888453.1 CGLO|KAF3803483.1 CHIG|XP\_018164013.1 CVIN|KAF4926343.1 CVYL|A14412 FGRM|XP\_011316986.1 MGRA|XP\_003853256.1 MLAR|XP\_007415181.1 MORY|QBZ55341.1 NCRA|XP\_965456.1 SSCL|APA06906.1

>Orthogroup1962: ANID|CBF84923.1 BCIN|XP\_024547056.1 BGRA|VDB91267.1 CFRU|XP\_031888554.1 CGLO|KAF3803604.1 CHIG|XP\_018163859.1 CVIN|KAF4920383.1 CVYL|A14539 FGRM|XP\_011316782.1 MGRA|XP\_003856329.1 MLAR|XP\_007412515.1 MLAR|XP\_007415703.1 MORY|QBZ62996.1 NCRA|XP\_958133.1 SSCL|APA06121.1

>Orthogroup1963: ANID|CBF84960.1 BCIN|XP\_024546154.1 BCIN|XP\_024546457.1 BGRA|VDB90682.1 CFRU|XP\_031888468.1 CGLO|KAF3803506.1 CHIG|XP\_018164037.1 CVIN|KAF4908049.1 CVYL|A14436 FGRM|XP\_011326504.1 MGRA|XP\_003852168.1 MLAR|XP\_007409328.1 MORY|QBZ63466.1 NCRA|XP\_964329.3 SSCL|APA07073.1

>Orthogroup1964: ANID|CBF84962.1 BCIN|XP\_001559701.1 BGRA|VCU40249.1 CFRU|XP\_031886744.1 CGLO|KAF3806772.1 CHIG|XP\_018158776.1 CVIN|KAF4905664.1 CVYL|A04985 FGRM|XP\_011316374.1 FGRM|XP\_011322464.1 MGRA|XP\_003852167.1 MLAR|XP\_007418584.1 MORY|QBZ60406.1 NCRA|XP\_964983.3 SSCL|APA09437.1

>Orthogroup1965: ANID|CBF84982.1 BCIN|XP\_001550646.1 BGRA|VCU39847.1 BGRA|VDB92765.1 CFRU|XP\_031884604.1 CGLO|KAF3799047.1 CHIG|XP\_018158207.1 CVIN|KAF4918252.1 CVYL|A11483 FGRM|XP\_011316467.1 MGRA|XP\_003852386.1 MLAR|XP\_007414324.1 MORY|QBZ55129.1 NCRA|XP\_958647.1 SSCL|APA09360.1

>Orthogroup1966: ANID|CBF85013.1 BCIN|XP\_001559721.1 BGRA|VCU40229.1 CFRU|XP\_031889999.1 CGLO|KAF3802919.1 CHIG|XP\_018158520.1 CVIN|KAF4925559.1 CVYL|A05096 FGRM|XP\_011316361.1 MGRA|XP\_003852291.1 MLAR|XP\_007414558.1 MLAR|XP\_007416394.1 MORY|QBZ63210.1 NCRA|XP\_965021.3 SSCL|APA09461.1

>Orthogroup1967: ANID|CBF85058.1 BCIN|XP\_001553739.2 BGRA|VDB93669.1 BGRA|VDB93670.1 CFRU|XP\_031888404.1 CGLO|KAF3803688.1 CHIG|XP\_018163765.1 CVIN|KAF4928498.1 CVYL|A14619 FGRM|XP\_011316034.1 MGRA|XP\_003857342.1 MLAR|XP\_007404591.1 MORY|QBZ55551.1 NCRA|XP\_964305.1 SSCL|APA06136.1

>Orthogroup1968: ANID|CBF85062.1 BCIN|XP\_001553740.1 BGRA|VDB93671.1 CFRU|XP\_031882893.1 CGLO|KAF3812088.1 CHIG|XP\_018164159.1 CVIN|KAF4915995.1 CVYL|A14266 FGRM|XP\_011316188.1 MGRA|XP\_003857154.1 MLAR|XP\_007414907.1 MLAR|XP\_007414927.1 MORY|QBZ55556.1 NCRA|XP\_963718.3 SSCL|APA06135.1

>Orthogroup1969: ANID|CBF85078.1 BCIN|XP\_024548824.1 BGRA|VDB86399.1 CFRU|XP\_031886715.1 CFRU|XP\_031892372.1 CGLO|KAF3798904.1 CHIG|XP\_018158592.1 CVIN|KAF4925595.1 CVYL|A05048 FGRM|XP\_011328409.1 MGRA|XP\_003852582.1 MLAR|XP\_007403969.1 MORY|QBZ60487.1 NCRA|XP\_965711.1 SSCL|APA09618.1

>Orthogroup1970: ANID|CBF85129.1 ANID|CBF90333.1 BCIN|XP\_024549329.1 CFRU|XP\_031881578.1 CFRU|XP\_031883188.1 CGLO|KAF3800714.1 CGLO|KAF3805356.1 CHIG|XP\_018163269.1 CVIN|KAF4913604.1 CVIN|KAF4919665.1 CVYL|A00489 CVYL|A11003 FGRM|XP\_011320633.1 MORY|QBZ65379.1 SSCL|APA13147.1

>Orthogroup1971: ANID|CBF85243.1 BCIN|XP\_024551247.1 BGRA|VCU41009.1 CFRU|XP\_031892044.1 CGLO|KAF3805640.1 CHIG|XP\_018164688.1 CVIN|KAF4925689.1 CVYL|A07559 FGRM|XP\_011324668.1 MGRA|XP\_003854570.1 MLAR|XP\_007419821.1 MORY|QBZ62308.1 MORY|QBZ63506.1 NCRA|XP\_959894.1 SSCL|APA10093.1

>Orthogroup1972: ANID|CBF85264.1 BCIN|XP\_001561438.2 BGRA|VDB90866.1 CFRU|XP\_031888343.1 CGLO|KAF3803564.1 CHIG|XP\_018164123.1 CVIN|KAF4922290.1 CVYL|A14497 FGRM|XP\_011326503.1 MLAR|XP\_007403486.1 MLAR|XP\_007407884.1 MLAR|XP\_007418914.1 MORY|QBZ56404.1 NCRA|XP\_964459.1 SSCL|APA06936.1

>Orthogroup1973: ANID|CBF85433.1 BCIN|XP\_001559157.1 BGRA|VCU40520.1 CFRU|XP\_031876031.1 CGLO|KAF3805245.1 CHIG|XP\_018158829.1 CVIN|KAF4918662.1 CVYL|A13893 FGRM|XP\_011315921.1 MGRA|XP\_003852132.1 MLAR|XP\_007407987.1 MLAR|XP\_007411772.1 MORY|QBZ60350.1 NCRA|XP\_965266.2 SSCL|APA15825.1

>Orthogroup1974: ANID|CBF85546.1 BCIN|XP\_024553638.1 BGRA|VDB89725.1 CFRU|XP\_031890812.1 CGLO|KAF3801637.1 CHIG|XP\_018151402.1 CVIN|KAF4921223.1 CVYL|A12500 FGRM|XP\_011328451.1 MGRA|XP\_003847222.1 MGRA|XP\_003853484.1 MLAR|XP\_007406115.1 MORY|QBZ62687.1 NCRA|XP\_957893.3 SSCL|APA08564.1

>Orthogroup1975: ANID|CBF85604.1 BCIN|XP\_024549582.1 BGRA|VCU40046.1 CFRU|XP\_031886475.1 CGLO|KAF3806165.1 CHIG|XP\_018162042.1 CVIN|KAF4931472.1 CVYL|A11750 FGRM|XP\_011318213.1 FGRM|XP\_011324094.1 MGRA|XP\_003851134.1 MLAR|XP\_007407850.1 MORY|QBZ61421.1 NCRA|XP\_011393777.1 SSCL|APA13969.1

>Orthogroup1976: ANID|CBF85606.1 BCIN|XP\_024549583.1 BGRA|VCU40041.1 BGRA|VCU40042.1 CFRU|XP\_031886474.1 CGLO|KAF3806166.1 CHIG|XP\_018162043.1 CVIN|KAF4931473.1 CVYL|A11751 FGRM|XP\_011324093.1 MGRA|XP\_003848168.1 MLAR|XP\_007418148.1 MORY|QBZ61422.1 NCRA|XP\_956416.1 SSCL|APA13970.1

>Orthogroup1977: ANID|CBF85685.1 BCIN|XP\_024548559.1 BCIN|XP\_024550771.1 BGRA|VCU39984.1 CFRU|XP\_031892554.1 CGLO|KAF3809114.1 CHIG|XP\_018155933.1 CVIN|KAF4922099.1 CVYL|A01298 FGRM|XP\_011319140.1 MGRA|XP\_003853886.1 MLAR|XP\_007412204.1 MORY|QBZ57125.1 NCRA|XP\_961653.3 SSCL|APA11626.1

>Orthogroup1978: ANID|CBF85737.1 ANID|CBF88778.1 BCIN|XP\_001556285.1 BGRA|VDB94722.1 CFRU|XP\_031885808.1 CGLO|KAF3810229.1 CHIG|XP\_018157887.1 CVIN|KAF4929092.1 CVYL|A02828 FGRM|XP\_011328239.1 MGRA|XP\_003853032.1 MLAR|XP\_007409376.1 MORY|QBZ56076.1 NCRA|XP\_960440.3 SSCL|APA15653.1

>Orthogroup1979: ANID|CBF85757.1 ANID|CBF86771.1 CFRU|XP\_031885862.1 CFRU|XP\_031889627.1 CGLO|KAF3806600.1 CGLO|KAF3810514.1 CHIG|XP\_018159105.1 CVIN|KAF4914572.1 CVIN|KAF4916905.1 CVYL|A09266 CVYL|A13595 FGRM|XP\_011320781.1 MGRA|XP\_003856907.1 MORY|QBZ54577.1 MORY|QBZ59927.1

>Orthogroup1980: ANID|CBF85830.1 BCIN|XP\_001555247.1 BGRA|VDB91213.1 CFRU|XP\_031890753.1 CGLO|KAF3801674.1 CHIG|XP\_018151452.1 CVIN|KAF4897544.1 CVYL|A12463 FGRM|XP\_011321889.1 FGRM|XP\_011328485.1 MGRA|XP\_003853297.1 MLAR|XP\_007410077.1 MORY|QBZ55777.1 NCRA|XP\_011394917.1 SSCL|APA08672.1

>Orthogroup1981: ANID|CBF85844.1 BCIN|XP\_001556405.1 BGRA|VDB88123.1 CFRU|XP\_031885799.1 CGLO|KAF3810101.1 CHIG|XP\_018157850.1 CVIN|KAF4910246.1 CVYL|A02694 FGRM|XP\_011328224.1 MGRA|XP\_003853340.1 MLAR|XP\_007404975.1 MLAR|XP\_007410797.1 MORY|QBZ53887.1 NCRA|XP\_957531.3 SSCL|APA08694.1

>Orthogroup1982: ANID|CBF85908.1 BCIN|XP\_024548424.1 BGRA|VDB87649.1 CFRU|XP\_031881248.1 CGLO|KAF3802494.1 CHIG|XP\_018154800.1 CVIN|KAF4919007.1 CVYL|A02086 FGRM|XP\_011328463.1 MGRA|XP\_003852990.1 MLAR|XP\_007408288.1 MLAR|XP\_007416431.1 MORY|QBZ57244.1 NCRA|XP\_011394206.1 SSCL|APA12245.1

>Orthogroup1983: ANID|CBF86089.1 BCIN|XP\_001552158.1 BGRA|VDB96395.1 CFRU|XP\_031886670.1 CGLO|KAF3804030.1 CHIG|XP\_018162740.1 CVIN|KAF4927635.1 CVYL|A06983 FGRM|XP\_011326380.1 MGRA|XP\_003854111.1 MLAR|XP\_007405015.1 MLAR|XP\_007417159.1 MORY|QBZ59535.1 NCRA|XP\_957828.3 SSCL|APA05271.1

>Orthogroup1984: ANID|CBF86117.1 BCIN|XP\_001554738.2 BGRA|VDB89732.1 CFRU|XP\_031885833.1 CGLO|KAF3798811.1 CGLO|KAF3810174.1 CHIG|XP\_018151205.1 CHIG|XP\_018157792.1 CVIN|KAF4929108.1 CVYL|A02765 FGRM|XP\_011320124.1 MGRA|XP\_003853455.1 MORY|QBZ61288.1 NCRA|XP\_957549.3 SSCL|APA15473.1

>Orthogroup1985: ANID|CBF86150.1 BCIN|XP\_001549242.1 BGRA|VDB91064.1 BGRA|VDB91065.1 CFRU|XP\_031888607.1 CGLO|KAF3803682.1 CHIG|XP\_018163767.1 CVIN|KAF4928514.1 CVYL|A14613 FGRM|XP\_011316026.1 MGRA|XP\_003848709.1 MLAR|XP\_007411801.1 MORY|QBZ55414.1 NCRA|XP\_964036.2 SSCL|APA09225.1

>Orthogroup1986: ANID|CBF86162.1 BCIN|XP\_024549409.1 BGRA|VDB91114.1 CFRU|XP\_031888247.1 CGLO|KAF3803457.1 CHIG|XP\_018163984.1 CVIN|KAF4926350.1 CVYL|A14385 FGRM|XP\_011326490.1 MGRA|XP\_003848412.1 MORY|QBZ58202.1 MORY|QBZ63478.1 NCRA|XP\_958416.1 NCRA|XP\_960033.2 SSCL|APA09080.1

>Orthogroup1987: ANID|CBF86176.1 BCIN|XP\_001556179.1 BGRA|VDB90732.1 CFRU|XP\_031879857.1 CGLO|KAF3803037.1 CHIG|XP\_018153583.1 CVIN|KAF4929933.1 CVYL|A00049 FGRM|XP\_011317132.1 MGRA|XP\_003851917.1 MLAR|XP\_007405000.1 MORY|QBZ59482.1 NCRA|XP\_959131.1 NCRA|XP\_962086.1 SSCL|APA09013.1

>Orthogroup1988: ANID|CBF86185.1 BCIN|XP\_001549237.1 BGRA|VDB90893.1 CFRU|XP\_031890466.1 CGLO|KAF3804928.1 CHIG|XP\_018164428.1 CVIN|KAF4919401.1 CVYL|A12126 FGRM|XP\_011316015.1 MGRA|XP\_003848700.1 MLAR|XP\_007404000.1 MLAR|XP\_007417050.1 MORY|QBZ55544.1 NCRA|XP\_964308.1 SSCL|APA09221.1

>Orthogroup1989: ANID|CBF86198.1 BCIN|XP\_024553392.1 BGRA|VDB90899.1 CFRU|XP\_031890350.1 CGLO|KAF3804888.1 CHIG|XP\_018164375.1 CVIN|KAF4921182.1 CVYL|A12174 FGRM|XP\_011316802.1 MGRA|XP\_003848630.1 MLAR|XP\_007417567.1 MLAR|XP\_007417883.1 MORY|QBZ55535.1 NCRA|XP\_964316.3 SSCL|APA13758.1

>Orthogroup1990: ANID|CBF86236.1 BCIN|XP\_001551966.1 BGRA|VDB94731.1 CFRU|XP\_031878242.1 CGLO|KAF3808497.1 CHIG|XP\_018161957.1 CVIN|KAF4917742.1 CVYL|A11642 FGRM|XP\_011318490.1 MGRA|XP\_003855047.1 MLAR|XP\_007413688.1 MLAR|XP\_007417920.1 MORY|QBZ59653.1 NCRA|XP\_962881.3 SSCL|APA10958.1

>Orthogroup1991: ANID|CBF86287.1 ANID|CBF87337.1 ANID|CBF89153.1 CFRU|XP\_031878814.1 CGLO|KAF3797509.1 CHIG|XP\_018161272.1 CVIN|KAF4921669.1 CVYL|A01956 FGRM|XP\_011322720.1 FGRM|XP\_011327479.1 MGRA|XP\_003851140.1 MGRA|XP\_003852016.1 MGRA|XP\_003854522.1 MGRA|XP\_003855582.1 MGRA|XP\_003856650.1

>Orthogroup1992: ANID|CBF86305.1 BCIN|XP\_001560632.2 BGRA|VDB94644.1 CFRU|XP\_031883385.1 CGLO|KAF3800515.1 CHIG|XP\_018152289.1 CVIN|KAF4919235.1 CVYL|A13199 FGRM|XP\_011322897.1 FGRM|XP\_011323667.1 MLAR|XP\_007408605.1 MLAR|XP\_007418057.1 MORY|QBZ64835.1 NCRA|XP\_955880.3 SSCL|APA07934.1

>Orthogroup1993: ANID|CBF86327.1 BCIN|XP\_024552259.1 BGRA|VCU39272.1 CFRU|XP\_031882600.1 CGLO|KAF3803924.1 CHIG|XP\_018151022.1 CVIN|KAF4925444.1 CVYL|A08878 FGRM|XP\_011327877.1 MGRA|XP\_003849277.1 MLAR|XP\_007407593.1 MLAR|XP\_007416000.1 MORY|QBZ56220.1 NCRA|XP\_962637.2 SSCL|APA13106.1

>Orthogroup1994: ANID|CBF86336.1 BCIN|XP\_024552224.1 BGRA|VCU39491.1 CFRU|XP\_031887651.1 CGLO|KAF3803190.1 CHIG|XP\_018161028.1 CVIN|KAF4920198.1 CVYL|A03620 FGRM|XP\_011323813.1 MGRA|XP\_003849483.1 MLAR|XP\_007414128.1 MLAR|XP\_007417689.1 MORY|QBZ58840.1 NCRA|XP\_964450.1 SSCL|APA13007.1

>Orthogroup1995: ANID|CBF86390.1 BCIN|XP\_024551232.1 BGRA|VDB89559.1 CFRU|XP\_031893458.1 CGLO|KAF3809579.1 CHIG|XP\_018152605.1 CVIN|KAF4919198.1 CVYL|A08452 FGRM|XP\_011317897.1 MGRA|XP\_003850105.1 MLAR|XP\_007408668.1 MLAR|XP\_007409975.1 MORY|QBZ54093.1 NCRA|XP\_958689.1 SSCL|APA10107.1

>Orthogroup1996: ANID|CBF86397.1 BCIN|XP\_001547145.1 BGRA|VDB87648.1 CFRU|XP\_031886544.1 CGLO|KAF3804057.1 CHIG|XP\_018162696.1 CVIN|KAF4919532.1 CVYL|A07018 FGRM|XP\_011327053.1 MGRA|XP\_003850444.1 MGRA|XP\_003850450.1 MLAR|XP\_007415053.1 MORY|QBZ61428.1 NCRA|XP\_957129.1 SSCL|APA10727.1

>Orthogroup1997: ANID|CBF86440.1 BCIN|XP\_024547625.1 BGRA|VDB86143.1 CFRU|XP\_031887034.1 CGLO|KAF3811279.1 CHIG|XP\_018160503.1 CVIN|KAF4927256.1 CVYL|A04455 FGRM|XP\_011323631.1 MGRA|XP\_003850185.1 MLAR|XP\_007413020.1 MORY|QBZ57036.1 NCRA|XP\_961508.1 NCRA|XP\_962896.2 SSCL|APA07777.1

>Orthogroup1998: ANID|CBF86482.1 BCIN|XP\_024546712.1 BGRA|VDB92946.1 BGRA|VDB92949.1 CFRU|XP\_031890487.1 CGLO|KAF3804907.1 CHIG|XP\_018164359.1 CVIN|KAF4909785.1 CVYL|A12152 FGRM|XP\_011316795.1 MGRA|XP\_003850036.1 MLAR|XP\_007403990.1 MORY|QBZ56441.1 NCRA|XP\_963946.1 SSCL|APA06584.1

>Orthogroup1999: ANID|CBF86523.1 BCIN|XP\_024547594.1 BGRA|VDB85906.1 BGRA|VDB85908.1 CFRU|XP\_031886331.1 CGLO|KAF3806341.1 CHIG|XP\_018162131.1 CVIN|KAF4908675.1 CVYL|A11929 FGRM|XP\_011326613.1 MGRA|XP\_003850505.1 MLAR|XP\_007418598.1 MORY|QBZ61387.1 NCRA|XP\_962719.2 SSCL|APA07812.1

>Orthogroup2000: ANID|CBF86566.1 BCIN|XP\_001559309.1 BGRA|VDB84327.1 CFRU|XP\_031886521.1 CGLO|KAF3806361.1 CHIG|XP\_018162231.1 CVIN|KAF4923245.1 CVYL|A11950 FGRM|XP\_011326589.1 MGRA|XP\_003850031.1 MLAR|XP\_007414146.1 MORY|QBZ54333.1 MORY|QBZ59293.1 NCRA|XP\_011393972.1 SSCL|APA07853.1

>Orthogroup2001: ANID|CBF86815.1 BCIN|XP\_024549422.1 BGRA|VDB91154.1 CFRU|XP\_031888606.1 CGLO|KAF3803677.1 CHIG|XP\_018163780.1 CVIN|KAF4928507.1 CVYL|A14608 MGRA|XP\_003852436.1 MLAR|XP\_007405975.1 MLAR|XP\_007408494.1 MLAR|XP\_007417325.1 MORY|QBZ55521.1 NCRA|XP\_964048.2 SSCL|APA09088.1

>Orthogroup2002: ANID|CBF86827.1 BCIN|XP\_001545700.1 BGRA|VDB93413.1 CFRU|XP\_031892861.1 CGLO|KAF3807931.1 CHIG|XP\_018163108.1 CVIN|KAF4915231.1 CVYL|A00693 FGRM|XP\_011315573.1 FGRM|XP\_011326102.1 MGRA|XP\_003854542.1 MLAR|XP\_007404024.1 MORY|QBZ58196.1 NCRA|XP\_011393965.1 SSCL|APA14473.1

>Orthogroup2003: ANID|CBF86858.1 BCIN|XP\_001558063.1 BGRA|VDB86381.1 CFRU|XP\_031887604.1 CGLO|KAF3803280.1 CHIG|XP\_018161128.1 CVIN|KAF4928645.1 CVYL|A03715 FGRM|XP\_011318408.1 MGRA|XP\_003849315.1 MLAR|XP\_007404894.1 MLAR|XP\_007414149.1 MORY|QBZ64608.1 NCRA|XP\_011394246.1 SSCL|APA12930.1

>Orthogroup2004: ANID|CBF86880.1 BCIN|XP\_001555288.2 BGRA|VDB88139.1 CFRU|XP\_031886133.1 CGLO|KAF3811964.1 CHIG|XP\_018155270.1 CVIN|KAF4930419.1 CVYL|A05539 FGRM|XP\_011324649.1 MGRA|XP\_003849723.1 MLAR|XP\_007405414.1 MLAR|XP\_007414228.1 MORY|QBZ54045.1 NCRA|XP\_011393552.1 SSCL|APA08643.1

>Orthogroup2005: ANID|CBF86892.1 BCIN|XP\_001557054.1 BGRA|VDB88232.1 CFRU|XP\_031879455.1 CGLO|KAF3802395.1 CHIG|XP\_018154681.1 CVIN|KAF4922172.1 CVYL|A13538 FGRM|XP\_011317276.1 MGRA|XP\_003849326.1 MLAR|XP\_007408219.1 MLAR|XP\_007412823.1 MORY|QBZ60982.1 NCRA|XP\_963436.1 SSCL|APA08508.1

>Orthogroup2006: ANID|CBF86961.1 BCIN|XP\_024552750.1 BGRA|VCU41167.1 CFRU|XP\_031882418.1 CGLO|KAF3807550.1 CHIG|XP\_018156386.1 CVIN|KAF4928962.1 CVYL|A02933 FGRM|XP\_011318567.1 MGRA|XP\_003851907.1 MLAR|XP\_007404798.1 MLAR|XP\_007415467.1 MORY|QBZ56954.1 NCRA|XP\_960974.1 SSCL|APA07492.1

>Orthogroup2007: ANID|CBF86965.1 CFRU|XP\_031878900.1 CFRU|XP\_031891476.1 CGLO|KAF3804500.1 CGLO|KAF3807851.1 CHIG|XP\_018160328.1 CHIG|XP\_018163041.1 CVIN|KAF4922610.1 CVIN|KAF4930974.1 CVYL|A00760 CVYL|A04215 FGRM|XP\_011327140.1 MGRA|XP\_003855668.1 MORY|QBZ59201.1 NCRA|XP\_960933.1

>Orthogroup2008: ANID|CBF87407.1 CFRU|XP\_031879552.1 CFRU|XP\_031891899.1 CGLO|KAF3802734.1 CGLO|KAF3809707.1 CHIG|XP\_018164915.1 CVIN|KAF4910780.1 CVIN|KAF4921915.1 CVYL|A06630 CVYL|A08056 FGRM|XP\_011321387.1 FGRM|XP\_011321729.1 FGRM|XP\_011322294.1 MGRA|XP\_003852198.1 MORY|QBZ58376.1

>Orthogroup2009: ANID|CBF87456.1 CFRU|XP\_031878061.1 CFRU|XP\_031884806.1 CGLO|KAF3799583.1 CGLO|KAF3801053.1 CHIG|XP\_018154578.1 CVIN|KAF4902327.1 CVIN|KAF4926511.1 CVYL|A00328 CVYL|A13445 FGRM|XP\_011315606.1 FGRM|XP\_011323123.1 MORY|QBZ56725.1 MORY|QBZ60930.1 NCRA|XP\_961378.1

>Orthogroup2010: ANID|CBF87466.1 BCIN|XP\_001551998.1 BGRA|VDB84149.1 CFRU|XP\_031892426.1 CGLO|KAF3797145.1 CHIG|XP\_018157099.1 CVIN|KAF4887038.1 CVYL|A10553 FGRM|XP\_011328559.1 MGRA|XP\_003851971.1 MGRA|XP\_003853927.1 MLAR|XP\_007408695.1 MORY|QBZ65916.1 NCRA|XP\_964883.3 SSCL|APA10991.1

>Orthogroup2011: ANID|CBF87542.1 BCIN|XP\_001552309.1 BGRA|VDB84159.1 CFRU|XP\_031891586.1 CGLO|KAF3797394.1 CHIG|XP\_018150830.1 CHIG|XP\_018157351.1 CVIN|KAF4929338.1 CVYL|A10286 FGRM|XP\_011320239.1 MGRA|XP\_003854708.1 MLAR|XP\_007404633.1 MORY|QBZ66255.1 NCRA|XP\_011392806.1 SSCL|APA11146.1

>Orthogroup2012: ANID|CBF87581.1 BCIN|XP\_001557330.2 BGRA|VDB93224.1 CFRU|XP\_031885390.1 CGLO|KAF3799440.1 CHIG|XP\_018152318.1 CVIN|KAF4931808.1 CVYL|A13302 FGRM|XP\_011321213.1 MGRA|XP\_003847992.1 MLAR|XP\_007410336.1 MLAR|XP\_007418345.1 MORY|QBZ57288.1 NCRA|XP\_957973.3 SSCL|APA12453.1

>Orthogroup2013: ANID|CBF87640.1 BCIN|XP\_024552897.1 BGRA|VCU39658.1 CFRU|XP\_031885401.1 CGLO|KAF3799407.1 CHIG|XP\_018152159.1 CVIN|KAF4931818.1 CVYL|A13271 FGRM|XP\_011325503.1 MGRA|XP\_003857159.1 MLAR|XP\_007407995.1 MLAR|XP\_007414352.1 MLAR|XP\_007415657.1 NCRA|XP\_001728159.2 SSCL|APA16067.1

>Orthogroup2014: ANID|CBF87687.1 BCIN|XP\_001554467.1 BGRA|VDB93162.1 CFRU|XP\_031887163.1 CGLO|KAF3809248.1 CHIG|XP\_018156081.1 CVIN|KAF4925344.1 CVYL|A01439 FGRM|XP\_011319225.1 MGRA|XP\_003848245.1 MGRA|XP\_003849187.1 MLAR|XP\_007406763.1 MORY|QBZ57378.1 NCRA|XP\_957586.3 SSCL|APA12644.1

>Orthogroup2015: ANID|CBF87788.1 BCIN|XP\_024551588.1 BGRA|VDB92645.1 CFRU|XP\_031879840.1 CGLO|KAF3802961.1 CHIG|XP\_018153653.1 CHIG|XP\_018153654.1 CVIN|KAF4929985.1 CVYL|A00394 FGRM|XP\_011317089.1 MGRA|XP\_003857071.1 MLAR|XP\_007414235.1 MORY|QBZ63862.1 NCRA|XP\_965105.2 SSCL|APA14882.1

>Orthogroup2016: ANID|CBF87817.1 BCIN|XP\_024552339.1 BGRA|VCU40490.1 CFRU|XP\_031887062.1 CGLO|KAF3811429.1 CHIG|XP\_018160670.1 CVIN|KAF4917880.1 CVYL|A04627 FGRM|XP\_011325781.1 FGRM|XP\_011326845.1 MGRA|XP\_003856573.1 MLAR|XP\_007412255.1 MORY|QBZ57147.1 NCRA|XP\_963642.3 SSCL|APA13178.1

>Orthogroup2017: ANID|CBF87822.1 BCIN|XP\_024551856.1 CFRU|XP\_031876345.1 CFRU|XP\_031883827.1 CGLO|KAF3805132.1 CGLO|KAF3811864.1 CHIG|XP\_018163158.1 CHIG|XP\_018163382.1 CVIN|KAF4927464.1 CVYL|A06424 FGRM|XP\_011322379.1 FGRM|XP\_011324172.1 MGRA|XP\_003856621.1 NCRA|XP\_962443.1 SSCL|APA06301.1

>Orthogroup2018: ANID|CBF87860.1 BCIN|XP\_024551930.1 BGRA|VDB95032.1 CFRU|XP\_031884001.1 CGLO|KAF3805141.1 CHIG|XP\_018163372.1 CVIN|KAF4927406.1 CVYL|A06415 FGRM|XP\_011321664.1 MGRA|XP\_003856821.1 MLAR|XP\_007405174.1 MLAR|XP\_007406507.1 MORY|QBZ59390.1 NCRA|XP\_962431.1 SSCL|APA06366.1

>Orthogroup2019: ANID|CBF87926.1 BCIN|XP\_001558432.1 BGRA|VDB90446.1 BGRA|VDB90447.1 CFRU|XP\_031879781.1 CGLO|KAF3802991.1 CHIG|XP\_018153620.1 CVIN|KAF4929926.1 CVYL|A00003 FGRM|XP\_011316920.1 MGRA|XP\_003856793.1 MLAR|XP\_007406174.1 MORY|QBZ55597.1 NCRA|XP\_965131.1 SSCL|APA14749.1

>Orthogroup2020: ANID|CBF87932.1 BCIN|XP\_001545900.1 BGRA|VDB92551.1 CFRU|XP\_031876486.1 CGLO|KAF3796992.1 CHIG|XP\_018153694.1 CVYL|A00312 FGRM|XP\_011317124.1 MGRA|XP\_003856525.1 MLAR|XP\_007405836.1 MLAR|XP\_007410949.1 MLAR|XP\_007413070.1 MORY|QBZ63969.1 NCRA|XP\_965353.3 SSCL|APA14863.1

>Orthogroup2021: ANID|CBF87945.1 BCIN|XP\_001546515.1 BCIN|XP\_024549443.1 BCIN|XP\_024550205.1 CFRU|XP\_031884418.1 CGLO|KAF3796972.1 CHIG|XP\_018155452.1 CHIG|XP\_018158318.1 CVIN|KAF4913297.1 CVYL|A05809 FGRM|XP\_011328601.1 MGRA|XP\_003848982.1 MORY|QBZ65077.1 NCRA|XP\_965577.1 SSCL|APA10881.1

>Orthogroup2022: ANID|CBF87965.1 BCIN|XP\_024551758.1 BGRA|VDB92639.1 CFRU|XP\_031890670.1 CGLO|KAF3804954.1 CHIG|XP\_018164461.1 CVIN|KAF4910220.1 CVYL|A12098 FGRM|XP\_011317108.1 MGRA|XP\_003854487.1 MGRA|XP\_003856950.1 MLAR|XP\_007408171.1 MORY|QBZ63817.1 NCRA|XP\_011393283.1 SSCL|APA14820.1

>Orthogroup2023: ANID|CBF87975.1 CFRU|XP\_031875941.1 CFRU|XP\_031875952.1 CFRU|XP\_031892118.1 CGLO|KAF3805702.1 CGLO|KAF3805706.1 CGLO|KAF3809757.1 CHIG|XP\_018154476.1 CHIG|XP\_018163613.1 CHIG|XP\_018164978.1 CVIN|KAF4896769.1 CVIN|KAF4907627.1 CVYL|A06679 FGRM|XP\_011319270.1 MORY|QBZ57976.1

>Orthogroup2024: ANID|CBF87994.1 BCIN|XP\_024549727.1 BCIN|XP\_024551695.1 BGRA|VDB89414.1 CFRU|XP\_031884019.1 CGLO|KAF3805119.1 CHIG|XP\_018163398.1 CVIN|KAF4927448.1 CVYL|A06438 FGRM|XP\_011318742.1 MGRA|XP\_003856393.1 MORY|QBZ59496.1 NCRA|XP\_011394278.1 SSCL|APA05442.1 SSCL|APA06025.1

>Orthogroup2025: ANID|CBF88011.1 BCIN|XP\_001549135.1 BGRA|VDB95024.1 CFRU|XP\_031888566.1 CGLO|KAF3803584.1 CHIG|XP\_018163883.1 CVIN|KAF4920372.1 CVYL|A14518 FGRM|XP\_011316761.1 FGRM|XP\_011316762.1 MGRA|XP\_003856546.1 MLAR|XP\_007415163.1 MORY|QBZ55372.1 NCRA|XP\_011392989.1 SSCL|APA06331.1

>Orthogroup2026: ANID|CBF88066.1 BCIN|XP\_001553274.2 BCIN|XP\_001560219.1 CFRU|XP\_031876092.1 CFRU|XP\_031879574.1 CGLO|KAF3802702.1 CHIG|XP\_018151488.1 CVIN|KAF4899838.1 CVYL|A08028 FGRM|XP\_011321791.1 FGRM|XP\_011324279.1 MGRA|XP\_003854769.1 MORY|QBZ59819.1 NCRA|XP\_959614.1 SSCL|APA15925.1

>Orthogroup2027: ANID|CBF88170.1 ANID|CBF90095.1 BCIN|XP\_024551154.1 CFRU|XP\_031884301.1 CFRU|XP\_031884304.1 CGLO|KAF3799963.1 CHIG|XP\_018159063.1 CHIG|XP\_018159064.1 CVIN|KAF4926884.1 CVIN|KAF4926889.1 CVYL|A10177 CVYL|A10178 FGRM|XP\_011318234.1 MORY|QBZ54345.1 MORY|QBZ62890.1

>Orthogroup2028: ANID|CBF88177.1 BCIN|XP\_001553728.1 BGRA|VDB93750.1 CFRU|XP\_031878053.1 CGLO|KAF3799615.1 CHIG|XP\_018154616.1 CVIN|KAF4926451.1 CVYL|A13477 FGRM|XP\_011316549.1 MGRA|XP\_003846910.1 MGRA|XP\_003855397.1 MLAR|XP\_007412366.1 MORY|QBZ54382.1 NCRA|XP\_963374.1 SSCL|APA13510.1

>Orthogroup2029: ANID|CBF88201.1 BCIN|XP\_001549875.1 BGRA|VDB94806.1 CFRU|XP\_031891214.1 CGLO|KAF3804506.1 CHIG|XP\_018160334.1 CVIN|KAF4924509.1 CVYL|A04222 FGRM|XP\_011320432.1 FGRM|XP\_011328834.1 MGRA|XP\_003855408.1 MLAR|XP\_007403675.1 MORY|QBZ59157.1 NCRA|XP\_960670.1 SSCL|APA08238.1

>Orthogroup2030: ANID|CBF88221.1 BCIN|XP\_001560073.1 BGRA|VDB93295.1 CFRU|XP\_031890233.1 CGLO|KAF3802937.1 CHIG|XP\_018158540.1 CVIN|KAF4925552.1 CVYL|A05081 FGRM|XP\_011316358.1 FGRM|XP\_011322268.1 MGRA|XP\_003855231.1 MLAR|XP\_007412843.1 MORY|QBZ55953.1 NCRA|XP\_965026.1 SSCL|APA09905.1

>Orthogroup2031: ANID|CBF88241.1 BCIN|XP\_024546964.1 BGRA|VDB93839.1 BGRA|VDB93840.1 CFRU|XP\_031885351.1 CGLO|KAF3799454.1 CHIG|XP\_018154442.1 CVIN|KAF4931795.1 CVYL|A13315 FGRM|XP\_011325517.1 MGRA|XP\_003855488.1 MLAR|XP\_007405105.1 MORY|QBZ54368.1 NCRA|XP\_963156.3 SSCL|APA05977.1

>Orthogroup2032: ANID|CBF88332.1 BCIN|XP\_024548428.1 BGRA|VDB88817.1 CFRU|XP\_031877957.1 CGLO|KAF3810909.1 CHIG|XP\_018154942.1 CVIN|KAF4893530.1 CVYL|A02236 FGRM|XP\_011324631.1 MGRA|XP\_003857231.1 MLAR|XP\_007406744.1 MLAR|XP\_007415175.1 MORY|QBZ54016.1 NCRA|XP\_957174.1 SSCL|APA12250.1

>Orthogroup2033: ANID|CBF88377.1 BCIN|XP\_001548917.2 BGRA|VCU39304.1 CFRU|XP\_031885489.1 CGLO|KAF3806514.1 CHIG|XP\_018157551.1 CVIN|KAF4921329.1 CVYL|A09356 FGRM|XP\_011328778.1 MGRA|XP\_003855703.1 MLAR|XP\_007407310.1 MORY|QBZ58906.1 NCRA|XP\_956423.2 NCRA|XP\_962592.1 SSCL|APA06205.1

>Orthogroup2034: ANID|CBF88395.1 BCIN|XP\_001549891.1 BGRA|VDB84386.1 CFRU|XP\_031885188.1 CGLO|KAF3807644.1 CHIG|XP\_018162871.1 CVIN|KAF4927794.1 CVYL|A07819 FGRM|XP\_011327038.1 MGRA|XP\_003855034.1 MLAR|XP\_007414358.1 MLAR|XP\_007416458.1 MORY|QBZ61322.1 NCRA|XP\_957319.1 SSCL|APA08224.1

>Orthogroup2035: ANID|CBF88500.1 BCIN|XP\_001546414.2 BCIN|XP\_024548622.1 BGRA|VDB93113.1 CFRU|XP\_031881243.1 CGLO|KAF3802500.1 CHIG|XP\_018154806.1 CVIN|KAF4918991.1 CVYL|A02092 FGRM|XP\_011323689.1 MLAR|XP\_007416674.1 MORY|QBZ60987.1 NCRA|XP\_011393526.1 SSCL|APA09847.1 SSCL|APA12267.1

>Orthogroup2036: ANID|CBF88502.1 BCIN|XP\_024551126.1 BGRA|VDB89719.1 CFRU|XP\_031881629.1 CGLO|KAF3805377.1 CHIG|XP\_018156731.1 CVIN|KAF4890973.1 CVIN|KAF4924180.1 CVYL|A11026 FGRM|XP\_011320047.1 MGRA|XP\_003849149.1 MLAR|XP\_007406122.1 MORY|QBZ65428.1 NCRA|XP\_011392790.1 SSCL|APA12074.1

>Orthogroup2037: ANID|CBF88536.1 BCIN|XP\_001558799.2 BGRA|VDB93853.1 CFRU|XP\_031885547.1 CGLO|KAF3799418.1 CHIG|XP\_018152290.1 CVIN|KAF4931841.1 CVYL|A13282 FGRM|XP\_011323666.1 MGRA|XP\_003853728.1 MLAR|XP\_007405764.1 MLAR|XP\_007414157.1 MORY|QBZ64836.1 NCRA|XP\_955882.1 SSCL|APA05959.1

>Orthogroup2038: ANID|CBF88548.1 BCIN|XP\_024547903.1 BGRA|VDB84376.1 CFRU|XP\_031885039.1 CGLO|KAF3800362.1 CHIG|XP\_018162851.1 CVIN|KAF4927762.1 CVYL|A07653 FGRM|XP\_011319521.1 FGRM|XP\_011327034.1 MGRA|XP\_003855309.1 MLAR|XP\_007411452.1 MORY|QBZ61326.1 NCRA|XP\_011393911.1 SSCL|APA08220.1

>Orthogroup2039: ANID|CBF88550.1 BCIN|XP\_001553289.1 BGRA|VDB95319.1 CFRU|XP\_031892847.1 CGLO|KAF3807202.1 CHIG|XP\_018157008.1 CVIN|KAF4928152.1 CVYL|A10695 FGRM|XP\_011328273.1 MGRA|XP\_003855290.1 MLAR|XP\_007409831.1 MLAR|XP\_007413657.1 MORY|QBZ60435.1 NCRA|XP\_964876.1 SSCL|APA12039.1

>Orthogroup2040: ANID|CBF88579.1 BCIN|XP\_024549768.1 BGRA|VDB93989.1 BGRA|VDB93990.1 CFRU|XP\_031887713.1 CGLO|KAF3811647.1 CHIG|XP\_018160926.1 CVIN|KAF4921434.1 CVYL|A03508 FGRM|XP\_011323592.1 MLAR|XP\_007405335.1 MLAR|XP\_007418922.1 MORY|QBZ56692.1 NCRA|XP\_011394136.1 SSCL|APA05715.1

>Orthogroup2041: ANID|CBF88712.1 BCIN|XP\_001553916.2 BGRA|VCU39297.1 CFRU|XP\_031893250.1 CGLO|KAF3800827.1 CHIG|XP\_018150882.1 CVIN|KAF4922494.1 CVYL|A08722 FGRM|XP\_011328047.1 MGRA|XP\_003853475.1 MLAR|XP\_007412828.1 MLAR|XP\_007419068.1 MORY|QBZ64183.1 NCRA|XP\_962250.1 SSCL|APA13129.1

>Orthogroup2042: ANID|CBF88929.1 BCIN|XP\_024553431.1 BGRA|VDB83684.1 CFRU|XP\_031877165.1 CGLO|KAF3803990.1 CHIG|XP\_018150946.1 CVIN|KAF4925206.1 CVYL|A08810 FGRM|XP\_011323744.1 MGRA|XP\_003856104.1 MLAR|XP\_007411489.1 MLAR|XP\_007417573.1 MORY|QBZ59218.1 NCRA|XP\_962363.2 SSCL|APA13715.1

>Orthogroup2043: ANID|CBF88950.1 BCIN|XP\_001548195.1 BGRA|VDB88282.1 CFRU|XP\_031882549.1 CGLO|KAF3796934.1 CHIG|XP\_018152231.1 CVIN|KAF4901184.1 CVYL|A13245 FGRM|XP\_011325690.1 MGRA|XP\_003855967.1 MLAR|XP\_007405995.1 MORY|QBZ61001.1 MORY|QBZ65498.1 NCRA|XP\_956014.1 SSCL|APA15569.1

>Orthogroup2044: ANID|CBF88953.1 BCIN|XP\_024552655.1 BGRA|VDB88253.1 CFRU|XP\_031882660.1 CFRU|XP\_031882661.1 CGLO|KAF3796936.1 CHIG|XP\_018152228.1 CVIN|KAF4901181.1 CVYL|A13244 FGRM|XP\_011325693.1 MGRA|XP\_003853523.1 MLAR|XP\_007410230.1 MORY|QBZ62051.1 NCRA|XP\_011393470.1 SSCL|APA15572.1

>Orthogroup2045: ANID|CBF89012.1 BCIN|XP\_001547562.1 BGRA|VCU41316.1 CFRU|XP\_031889365.1 CGLO|KAF3803138.1 CHIG|XP\_018155537.1 CVIN|KAF4928266.1 CVYL|A01025 FGRM|XP\_011319162.1 MGRA|XP\_003848144.1 MGRA|XP\_003856894.1 MLAR|XP\_007404686.1 MORY|QBZ60165.1 NCRA|XP\_955822.1 SSCL|APA07476.1

>Orthogroup2046: ANID|CBF89023.1 BCIN|XP\_024552730.1 BGRA|VCU41302.1 CFRU|XP\_031889173.1 CGLO|KAF3808691.1 CHIG|XP\_018155554.1 CVIN|KAF4929650.1 CVYL|A00954 FGRM|XP\_011321113.1 MGRA|XP\_003856674.1 MLAR|XP\_007409680.1 MLAR|XP\_007419757.1 MORY|QBZ60105.1 NCRA|XP\_957399.1 SSCL|APA07464.1

>Orthogroup2047: ANID|CBF89029.1 BCIN|XP\_001546555.2 BGRA|VCU41377.1 CFRU|XP\_031882370.1 CGLO|KAF3807569.1 CHIG|XP\_018156375.1 CVIN|KAF4928926.1 CVYL|A02913 FGRM|XP\_011319122.1 MGRA|XP\_003857239.1 MLAR|XP\_007405861.1 MLAR|XP\_007410819.1 MORY|QBZ57108.1 NCRA|XP\_961614.1 SSCL|APA16260.1

>Orthogroup2048: ANID|CBF89042.1 BCIN|XP\_024548940.1 BGRA|VCU40049.1 CFRU|XP\_031877414.1 CGLO|KAF3805323.1 CHIG|XP\_018162028.1 CVIN|KAF4931511.1 CVYL|A11734 FGRM|XP\_011326330.1 MGRA|XP\_003857323.1 MLAR|XP\_007409847.1 MLAR|XP\_007416741.1 MORY|QBZ62962.1 NCRA|XP\_957135.1 SSCL|APA09524.1

>Orthogroup2049: ANID|CBF89077.1 BCIN|XP\_024551405.1 BGRA|VCU41038.1 CFRU|XP\_031886574.1 CGLO|KAF3800277.1 CHIG|XP\_018162766.1 CVIN|KAF4927559.1 CVYL|A06959 FGRM|XP\_011318457.1 FGRM|XP\_011319642.1 MGRA|XP\_003855159.1 MLAR|XP\_007412845.1 MORY|QBZ61596.1 NCRA|XP\_957355.1 SSCL|APA10641.1

>Orthogroup2050: ANID|CBF89147.1 BCIN|XP\_001549934.1 CFRU|XP\_031883317.1 CGLO|KAF3800614.1 CHIG|XP\_018152065.1 CVIN|KAF4910721.1 CVIN|KAF4918177.1 CVYL|A13103 FGRM|XP\_011316334.1 FGRM|XP\_011321844.1 MGRA|XP\_003854534.1 MORY|QBZ54435.1 MORY|QBZ59176.1 NCRA|XP\_963492.1 SSCL|APA06639.1

>Orthogroup2051: ANID|CBF89183.1 BCIN|XP\_024552176.1 BGRA|VDB89672.1 CFRU|XP\_031878593.1 CGLO|KAF3798532.1 CHIG|XP\_018161213.1 CVIN|KAF4919268.1 CVYL|A03792 FGRM|XP\_011327976.1 MGRA|XP\_003849447.1 MLAR|XP\_007409261.1 MORY|QBZ57206.1 NCRA|XP\_011394304.1 SSCL|APA13080.1 SSCL|APA13081.1

>Orthogroup2052: ANID|CBF89205.1 BCIN|XP\_024550147.1 BCIN|XP\_024552609.1 BGRA|VDB88287.1 CFRU|XP\_031879458.1 CGLO|KAF3802399.1 CHIG|XP\_018154690.1 CVIN|KAF4922198.1 CVYL|A13542 FGRM|XP\_011317275.1 MGRA|XP\_003849453.1 MLAR|XP\_007405231.1 MORY|QBZ64832.1 NCRA|XP\_955896.2 SSCL|APA15701.1

>Orthogroup2053: ANID|CBF89345.1 BCIN|XP\_024546540.1 CFRU|XP\_031890854.1 CFRU|XP\_031891816.1 CGLO|KAF3805563.1 CGLO|KAF3811670.1 CHIG|XP\_018151857.1 CVIN|KAF4915958.1 CVIN|KAF4922378.1 CVYL|A07640 CVYL|A12693 FGRM|XP\_011328665.1 FGRM|XP\_011328730.1 MORY|QBZ64998.1 SSCL|APA06685.1

>Orthogroup2054: ANID|CBF89373.1 CFRU|XP\_031880062.1 CGLO|KAF3811853.1 CVIN|KAF4924917.1 CVYL|A11397 FGRM|XP\_011320568.1 FGRM|XP\_011321001.1 FGRM|XP\_011322271.1 MGRA|XP\_003852406.1 MORY|QBZ54761.1 MORY|QBZ55815.1 MORY|QBZ59829.1 MORY|QBZ60021.1 MORY|QBZ60700.1 NCRA|XP\_958349.1

>Orthogroup2055: ANID|CBF89405.1 BCIN|XP\_024551737.1 CFRU|XP\_031885003.1 CFRU|XP\_031886559.1 CGLO|KAF3800311.1 CHIG|XP\_018151749.1 CHIG|XP\_018152459.1 CHIG|XP\_018162715.1 CVIN|KAF4927573.1 CVIN|KAF4927633.1 CVYL|A06997 FGRM|XP\_011318670.1 MGRA|XP\_003851561.1 MORY|QBZ55021.1 MORY|QBZ66572.1

>Orthogroup2056: ANID|CBF89425.1 BCIN|XP\_001557272.2 BGRA|VDB93055.1 BGRA|VDB93056.1 CFRU|XP\_031881883.1 CGLO|KAF3800653.1 CHIG|XP\_018152026.1 CHIG|XP\_018152027.1 CVIN|KAF4922054.1 CVYL|A13063 FGRM|XP\_011321276.1 MGRA|XP\_003853096.1 MORY|QBZ62131.1 NCRA|XP\_956243.3 SSCL|APA12492.1

>Orthogroup2057: ANID|CBF89455.1 BCIN|XP\_001560782.1 BGRA|VDB90433.1 CFRU|XP\_031885787.1 CGLO|KAF3810117.1 CHIG|XP\_018157870.1 CVIN|KAF4912140.1 CVYL|A02709 FGRM|XP\_011320298.1 MLAR|XP\_007405752.1 MLAR|XP\_007412264.1 MORY|QBZ56140.1 MORY|QBZ66669.1 NCRA|XP\_960406.1 SSCL|APA08034.1

>Orthogroup2058: ANID|CBF89468.1 BCIN|XP\_024553078.1 BGRA|VCU39626.1 CFRU|XP\_031883249.1 CGLO|KAF3800539.1 CHIG|XP\_018152143.1 CVIN|KAF4923793.1 CVYL|A13176 FGRM|XP\_011316567.1 MGRA|XP\_003847261.1 MGRA|XP\_003856085.1 MLAR|XP\_007407911.1 MORY|QBZ54400.1 NCRA|XP\_957200.3 SSCL|APA16293.1

>Orthogroup2059: ANID|CBF89491.1 BCIN|XP\_001549059.1 BGRA|VDB84022.1 CFRU|XP\_031890388.1 CGLO|KAF3806721.1 CHIG|XP\_018158697.1 CVIN|KAF4919500.1 CVYL|A14029 FGRM|XP\_011317328.1 MGRA|XP\_003857521.1 MLAR|XP\_007412102.1 MLAR|XP\_007412487.1 MORY|QBZ60451.1 NCRA|XP\_011393204.1 SSCL|APA09862.1

>Orthogroup2060: ANID|CBF89529.1 BCIN|XP\_024548968.1 BGRA|VDB93318.1 CFRU|XP\_031890212.1 CHIG|XP\_018158512.1 CVIN|KAF4907424.1 CVYL|A05105 FGRM|XP\_011316420.1 FGRM|XP\_011321077.1 MGRA|XP\_003856135.1 MLAR|XP\_007416177.1 MORY|QBZ55401.1 NCRA|XP\_962223.2 NCRA|XP\_963816.1 SSCL|APA09545.1

>Orthogroup2061: ANID|CBF89585.1 BCIN|XP\_001548442.2 BGRA|VDB93317.1 CFRU|XP\_031884516.1 CGLO|KAF3799674.1 CHIG|XP\_018158264.1 CVIN|KAF4895368.1 CVYL|A05839 FGRM|XP\_011316510.1 MGRA|XP\_003847594.1 MGRA|XP\_003857772.1 MLAR|XP\_007407092.1 MORY|QBZ54146.1 NCRA|XP\_964834.2 SSCL|APA09293.1

>Orthogroup2062: ANID|CBF89645.1 BCIN|XP\_001549977.1 BGRA|VDB92894.1 CFRU|XP\_031879889.1 CGLO|KAF3798951.1 CHIG|XP\_018152863.1 CVIN|KAF4923500.1 CVYL|A07867 FGRM|XP\_011324362.1 MGRA|XP\_003850719.1 MLAR|XP\_007408773.1 MLAR|XP\_007418236.1 MORY|QBZ53370.1 NCRA|XP\_959523.1 SSCL|APA06613.1

>Orthogroup2063: ANID|CBF89663.1 BCIN|XP\_001556509.1 BGRA|VDB92920.1 CFRU|XP\_031884153.1 CGLO|KAF3799930.1 CHIG|XP\_018153058.1 CVIN|KAF4906998.1 CVYL|A14179 FGRM|XP\_011328001.1 MGRA|XP\_003851066.1 MLAR|XP\_007408878.1 MLAR|XP\_007412149.1 MORY|QBZ63323.1 NCRA|XP\_964396.3 SSCL|APA06511.1

>Orthogroup2064: ANID|CBF89749.1 BCIN|XP\_001556200.1 BGRA|VDB91125.1 CFRU|XP\_031892404.1 CGLO|KAF3803069.1 CHIG|XP\_018153542.1 CVIN|KAF4919855.1 CVYL|A00080 FGRM|XP\_011316118.1 MGRA|XP\_003853257.1 MLAR|XP\_007404818.1 MLAR|XP\_007406834.1 MORY|QBZ55579.1 NCRA|XP\_965114.1 SSCL|APA09030.1

>Orthogroup2065: ANID|CBF89861.1 BCIN|XP\_024551430.1 BGRA|VCU41039.1 BGRA|VCU41040.1 CFRU|XP\_031893294.1 CGLO|KAF3799104.1 CHIG|XP\_018154431.1 CVIN|KAF4908266.1 CVYL|A09448 FGRM|XP\_011317768.1 MGRA|XP\_003848124.1 MLAR|XP\_007404362.1 MORY|QBZ54242.1 NCRA|XP\_961404.3 SSCL|APA10672.1

>Orthogroup2066: ANID|CBF89862.1 BCIN|XP\_024550113.1 BGRA|VCU39755.1 CFRU|XP\_031893405.1 CGLO|KAF3808400.1 CHIG|XP\_018152469.1 CVIN|KAF4909958.1 CVYL|A09560 FGRM|XP\_011317683.1 MGRA|XP\_003853036.1 MLAR|XP\_007403586.1 MLAR|XP\_007411789.1 MORY|QBZ54076.1 NCRA|XP\_959189.1 SSCL|APA10595.1

>Orthogroup2067: ANID|CBF90107.1 BCIN|XP\_001547965.1 BCIN|XP\_024547967.1 CFRU|XP\_031881452.1 CGLO|KAF3801481.1 CGLO|KAF3805802.1 CHIG|XP\_018163695.1 CVIN|KAF4916388.1 CVIN|KAF4920934.1 CVYL|A06020 FGRM|XP\_011326078.1 MGRA|XP\_003854701.1 MORY|QBZ59387.1 NCRA|XP\_962944.1 SSCL|APA08377.1

>Orthogroup2068: ANID|CBF90130.1 BCIN|XP\_001554749.1 BGRA|VDB87908.1 CFRU|XP\_031885340.1 CGLO|KAF3799470.1 CHIG|XP\_018154455.1 CVIN|KAF4931889.1 CVYL|A13332 FGRM|XP\_011325528.1 MGRA|XP\_003849655.1 MLAR|XP\_007410343.1 MLAR|XP\_007412172.1 MORY|QBZ64885.1 NCRA|XP\_963662.2 SSCL|APA15491.1

>Orthogroup2069: ANID|CBF90152.1 BCIN|XP\_001558191.1 BGRA|VDB89718.1 CFRU|XP\_031878592.1 CGLO|KAF3798525.1 CHIG|XP\_018161203.1 CVIN|KAF4919292.1 CVYL|A03800 FGRM|XP\_011327906.1 MGRA|XP\_003849500.1 MLAR|XP\_007408113.1 MLAR|XP\_007417080.1 MORY|QBZ57202.1 NCRA|XP\_961972.3 SSCL|APA13086.1

>Orthogroup2070: ANID|CBF90157.1 BCIN|XP\_001549874.1 BGRA|VDB94808.1 CFRU|XP\_031891215.1 CGLO|KAF3804507.1 CHIG|XP\_018160333.1 CVIN|KAF4924508.1 CVYL|A04223 FGRM|XP\_011328833.1 MGRA|XP\_003852154.1 MGRA|XP\_003855553.1 MLAR|XP\_007403724.1 MORY|QBZ59156.1 NCRA|XP\_011394782.1 SSCL|APA08239.1

>Orthogroup2071: ANID|CBF90183.1 BCIN|XP\_024552294.1 BGRA|VCU39224.1 CFRU|XP\_031893293.1 CGLO|KAF3799103.1 CHIG|XP\_018157446.1 CVIN|KAF4908267.1 CVYL|A09447 FGRM|XP\_011321331.1 MGRA|XP\_003849397.1 MLAR|XP\_007413228.1 MLAR|XP\_007417290.1 MORY|QBZ57166.1 NCRA|XP\_962704.1 SSCL|APA13071.1

>Orthogroup2072: ANID|CBF90185.1 BCIN|XP\_024549527.1 BGRA|VDB94021.1 CFRU|XP\_031887476.1 CGLO|KAF3807156.1 CHIG|XP\_018160972.1 CVIN|KAF4917575.1 CVYL|A03558 FGRM|XP\_011327941.1 MGRA|XP\_003849337.1 MLAR|XP\_007403589.1 MLAR|XP\_007410733.1 MORY|QBZ56213.1 NCRA|XP\_961760.2 SSCL|APA09110.1

>Orthogroup2073: ANID|CBF90273.1 BCIN|XP\_024550453.1 BGRA|VDB94913.1 BGRA|VDB94914.1 CFRU|XP\_031877227.1 CGLO|KAF3806458.1 CHIG|XP\_018162346.1 CVIN|KAF4897896.1 CVYL|A12057 FGRM|XP\_011323935.1 MGRA|XP\_003855339.1 MLAR|XP\_007410985.1 MORY|QBZ61394.1 NCRA|XP\_956405.1 SSCL|APA11165.1

>Orthogroup2074: ANID|CBF90286.1 BCIN|XP\_024551885.1 BGRA|VDB93514.1 CFRU|XP\_031885703.1 CGLO|KAF3810215.1 CHIG|XP\_018157839.1 CVIN|KAF4929137.1 CVYL|A02812 FGRM|XP\_011318258.1 FGRM|XP\_011327208.1 MGRA|XP\_003851883.1 MLAR|XP\_007408129.1 MORY|QBZ53837.1 NCRA|XP\_958548.3 SSCL|APA06221.1

>Orthogroup2075: ANID|CBF90303.1 BCIN|XP\_001550141.1 BGRA|VDB87981.1 CFRU|XP\_031891354.1 CGLO|KAF3804639.1 CHIG|XP\_018161728.1 CVIN|KAF4919092.1 CVYL|A05246 FGRM|XP\_011321542.1 MGRA|XP\_003855355.1 MLAR|XP\_007411458.1 MLAR|XP\_007418636.1 MORY|QBZ59344.1 NCRA|XP\_958505.2 SSCL|APA11356.1

>Orthogroup2076: BCIN|XP\_024546113.1 BGRA|VDB90532.1 CFRU|XP\_031890645.1 CGLO|KAF3804852.1 CHIG|XP\_018164406.1 CVIN|KAF4900685.1 CVYL|A12223 FGRM|XP\_011316208.1 MGRA|XP\_003854394.1 MLAR|XP\_007407103.1 MLAR|XP\_007411696.1 MLAR|XP\_007418956.1 MORY|QBZ62756.1 NCRA|XP\_964408.2 SSCL|APA06636.1

>Orthogroup2077: BCIN|XP\_024546212.1 CFRU|XP\_031883857.1 CGLO|KAF3805032.1 CHIG|XP\_018154162.1 CHIG|XP\_018154350.1 CHIG|XP\_018163493.1 CVIN|KAF4927148.1 CVYL|A06520 FGRM|XP\_011316280.1 MLAR|XP\_007405989.1 MLAR|XP\_007407890.1 MORY|QBZ54116.1 NCRA|XP\_957495.1 SSCL|APA07015.1 SSCL|APA13435.1

>Orthogroup2078: BCIN|XP\_001561194.2 BCIN|XP\_024552604.1 CFRU|XP\_031887606.1 CFRU|XP\_031889268.1 CGLO|KAF3803260.1 CGLO|KAF3808865.1 CHIG|XP\_018161115.1 CVIN|KAF4896681.1 CVIN|KAF4928650.1 CVYL|A01216 CVYL|A03693 FGRM|XP\_011324399.1 FGRM|XP\_011326041.1 MORY|QBZ65453.1 SSCL|APA15689.1

>Orthogroup2079: BCIN|XP\_001561113.1 BGRA|VDB89225.1 CFRU|XP\_031890702.1 CGLO|KAF3801593.1 CHIG|XP\_018151356.1 CVIN|KAF4922693.1 CVYL|A12542 FGRM|XP\_011320351.1 FGRM|XP\_011320618.1 MGRA|XP\_003855173.1 MGRA|XP\_003855377.1 MORY|QBZ57723.1 MORY|QBZ62552.1 NCRA|XP\_960079.1 SSCL|APA07134.1

>Orthogroup2080: BCIN|XP\_024546692.1 BCIN|XP\_024547692.1 CFRU|XP\_031893450.1 CGLO|KAF3808352.1 CHIG|XP\_018151946.1 CVIN|KAF4918639.1 CVYL|A09511 FGRM|XP\_011319953.1 FGRM|XP\_011322369.1 FGRM|XP\_011322984.1 FGRM|XP\_011323406.1 MORY|QBZ53833.1 MORY|QBZ58008.1 MORY|QBZ61876.1 SSCL|APA07107.1

>Orthogroup2081: BCIN|XP\_001553884.2 BCIN|XP\_024546941.1 CFRU|XP\_031876451.1 CFRU|XP\_031881259.1 CGLO|KAF3802533.1 CHIG|XP\_018154828.1 CVIN|KAF4919011.1 CVYL|A02125 CVYL|A02390 FGRM|XP\_011320701.1 FGRM|XP\_011323326.1 FGRM|XP\_011325537.1 MGRA|XP\_003853954.1 SSCL|APA05799.1 SSCL|APA13058.1

>Orthogroup2082: BCIN|XP\_024547020.1 BCIN|XP\_024549717.1 BGRA|VDB93762.1 CFRU|XP\_031877810.1 CGLO|KAF3804773.1 CHIG|XP\_018164256.1 CVIN|KAF4929762.1 CVYL|A12304 FGRM|XP\_011317029.1 MGRA|XP\_003857169.1 MLAR|XP\_007404626.1 MORY|QBZ63571.1 NCRA|XP\_011393269.1 SSCL|APA05456.1 SSCL|APA05895.1

>Orthogroup2083: BCIN|XP\_024547082.1 CFRU|XP\_031891635.1 CFRU|XP\_031891636.1 CGLO|KAF3797913.1 CGLO|KAF3797914.1 CHIG|XP\_018161606.1 CHIG|XP\_018161607.1 CVIN|KAF4905686.1 CVYL|A05349 MORY|QBZ61671.1 MORY|QBZ61999.1 NCRA|XP\_958519.3 NCRA|XP\_959583.2 NCRA|XP\_964553.2 SSCL|APA06164.1

>Orthogroup2084: BCIN|XP\_024547120.1 BGRA|VDB92913.1 CFRU|XP\_031879649.1 CFRU|XP\_031879658.1 CGLO|KAF3798230.1 CGLO|KAF3798231.1 CHIG|XP\_018154009.1 CVIN|KAF4930127.1 CVYL|A04892 FGRM|XP\_011325608.1 MGRA|XP\_003848557.1 MLAR|XP\_007418543.1 MORY|QBZ61199.1 NCRA|XP\_959938.1 SSCL|APA14019.1

>Orthogroup2085: BCIN|XP\_001550603.1 BGRA|VDB93059.1 CFRU|XP\_031882056.1 CGLO|KAF3797879.1 CHIG|XP\_018164473.1 CVIN|KAF4911579.1 CVYL|A07325 FGRM|XP\_011323988.1 FGRM|XP\_011327838.1 MGRA|XP\_003851577.1 MLAR|XP\_007413594.1 MORY|QBZ60555.1 NCRA|XP\_011394810.1 NCRA|XP\_959535.2 SSCL|APA14144.1

>Orthogroup2086: BCIN|XP\_001551068.1 CFRU|XP\_031876135.1 CFRU|XP\_031892160.1 CGLO|KAF3801361.1 CGLO|KAF3810274.1 CHIG|XP\_018158373.1 CHIG|XP\_018164762.1 CVIN|KAF4913309.1 CVIN|KAF4918599.1 CVYL|A07721 CVYL|A11272 FGRM|XP\_011323306.1 FGRM|XP\_011324983.1 MGRA|XP\_003850009.1 SSCL|APA14271.1

>Orthogroup2087: BCIN|XP\_001545462.1 BCIN|XP\_001551865.2 BCIN|XP\_024547387.1 BCIN|XP\_024551896.1 BCIN|XP\_024553409.1 BCIN|XP\_024553591.1 CGLO|KAF3797025.1 CGLO|KAF3797026.1 CHIG|XP\_018159030.1 CVIN|KAF4923148.1 CVYL|A03058 MGRA|XP\_003855675.1 SSCL|APA06322.1 SSCL|APA11826.1 SSCL|APA14389.1

>Orthogroup2088: BCIN|XP\_001555470.2 CFRU|XP\_031876175.1 CFRU|XP\_031876885.1 CFRU|XP\_031881361.1 CGLO|KAF3799832.1 CHIG|XP\_018151620.1 CHIG|XP\_018159367.1 CHIG|XP\_018161770.1 CVIN|KAF4902670.1 CVYL|A09681 FGRM|XP\_011317507.1 MGRA|XP\_003850481.1 NCRA|XP\_958378.1 SSCL|APA08182.1 SSCL|APA08594.1

>Orthogroup2089: BCIN|XP\_024548062.1 CFRU|XP\_031875514.1 CFRU|XP\_031875658.1 CFRU|XP\_031875731.1 CFRU|XP\_031880552.1 CFRU|XP\_031885049.1 CVYL|A03207 CVYL|A06871 FGRM|XP\_011321225.1 FGRM|XP\_011322700.1 FGRM|XP\_011328855.1 MORY|QBZ59845.1 MORY|QBZ60089.1 NCRA|XP\_956366.1 NCRA|XP\_963914.2

>Orthogroup2090: BCIN|XP\_024548312.1 CFRU|XP\_031881719.1 CFRU|XP\_031892954.1 CGLO|KAF3803539.1 CGLO|KAF3808054.1 CGLO|KAF3809987.1 CHIG|XP\_018161259.1 CVIN|KAF4922831.1 CVYL|A02474 CVYL|A02587 CVYL|A08178 CVYL|A14471 FGRM|XP\_011328400.1 NCRA|XP\_959664.2 SSCL|APA12560.1

>Orthogroup2091: BCIN|XP\_024548340.1 CFRU|XP\_031888743.1 CGLO|KAF3799224.1 CHIG|XP\_018159849.1 CVIN|KAF4909315.1 CVIN|KAF4909318.1 CVYL|A10118 FGRM|XP\_011328818.1 MORY|QBZ61260.1 MORY|QBZ62543.1 NCRA|XP\_011395086.1 NCRA|XP\_960139.2 NCRA|XP\_960201.2 NCRA|XP\_962340.2 SSCL|APA12595.1

>Orthogroup2092: BCIN|XP\_024548537.1 CFRU|XP\_031877055.1 CFRU|XP\_031878260.1 CGLO|KAF3798073.1 CHIG|XP\_018153091.1 CHIG|XP\_018159090.1 CHIG|XP\_018164972.1 CVIN|KAF4895031.1 CVIN|KAF4927999.1 CVYL|A08285 CVYL|A09717 MGRA|XP\_003854360.1 MORY|QBZ58236.1 MORY|QBZ63351.1 MORY|QBZ65364.1

>Orthogroup2093: BCIN|XP\_001547590.1 BCIN|XP\_001549020.1 BCIN|XP\_024551873.1 CFRU|XP\_031877913.1 CGLO|KAF3810936.1 CHIG|XP\_018154898.1 CVIN|KAF4909528.1 CVYL|A02211 FGRM|XP\_011319300.1 FGRM|XP\_011320891.1 FGRM|XP\_011321769.1 FGRM|XP\_011322025.1 MORY|QBZ61167.1 SSCL|APA06837.1 SSCL|APA14505.1

>Orthogroup2094: BCIN|XP\_001555980.2 BGRA|VDB83752.1 CFRU|XP\_031879696.1 CGLO|KAF3798220.1 CGLO|KAF3808236.1 CHIG|XP\_018152525.1 CHIG|XP\_018153937.1 CVIN|KAF4916808.1 CVYL|A04901 FGRM|XP\_011324703.1 MLAR|XP\_007404169.1 MORY|QBZ58403.1 MORY|QBZ60771.1 NCRA|XP\_011395243.1 SSCL|APA13917.1

>Orthogroup2095: BCIN|XP\_001545718.2 BCIN|XP\_001555656.1 BCIN|XP\_001555658.1 BCIN|XP\_024549703.1 BCIN|XP\_024549718.1 BCIN|XP\_024550538.1 BCIN|XP\_024550542.1 BCIN|XP\_024551262.1 BCIN|XP\_024551263.1 BCIN|XP\_024551266.1 SSCL|APA05455.1 SSCL|APA10285.1 SSCL|APA10286.1 SSCL|APA10287.1 SSCL|APA11322.1

>Orthogroup2096: BCIN|XP\_001558598.1 CFRU|XP\_031882169.1 CFRU|XP\_031890873.1 CFRU|XP\_031892089.1 CGLO|KAF3801471.1 CGLO|KAF3804360.1 CHIG|XP\_018164761.1 CVIN|KAF4903839.1 CVIN|KAF4918331.1 CVIN|KAF4925807.1 CVYL|A04055 CVYL|A12652 FGRM|XP\_011320406.1 FGRM|XP\_011322049.1 SSCL|APA05701.1

>Orthogroup2097: BCIN|XP\_001554013.1 CFRU|XP\_031880344.1 CFRU|XP\_031883046.1 CGLO|KAF3807322.1 CGLO|KAF3808247.1 CHIG|XP\_018163167.1 CVIN|KAF4909566.1 CVIN|KAF4918107.1 CVYL|A00583 CVYL|A10808 FGRM|XP\_011326176.1 MGRA|XP\_003849155.1 MORY|QBZ57838.1 NCRA|XP\_959283.1 SSCL|APA11108.1

>Orthogroup2098: BCIN|XP\_001552635.1 BGRA|VDB84080.1 CFRU|XP\_031877689.1 CFRU|XP\_031881354.1 CGLO|KAF3797346.1 CGLO|KAF3800917.1 CHIG|XP\_018153190.1 CHIG|XP\_018157164.1 CVIN|KAF4917652.1 CVIN|KAF4920881.1 CVYL|A05985 CVYL|A10345 MLAR|XP\_007409355.1 MORY|QBZ65928.1 SSCL|APA11468.1

>Orthogroup2099: BCIN|XP\_024550701.1 BGRA|VCU40877.1 CFRU|XP\_031887199.1 CGLO|KAF3809361.1 CHIG|XP\_018156217.1 CVIN|KAF4924184.1 CVYL|A01570 FGRM|XP\_011318851.1 MGRA|XP\_003848821.1 MGRA|XP\_003851826.1 MGRA|XP\_003852813.1 MGRA|XP\_003857635.1 MORY|QBZ54196.1 NCRA|XP\_011394639.1 SSCL|APA11532.1

>Orthogroup2100: BCIN|XP\_024551011.1 BGRA|VCU40924.1 CFRU|XP\_031875923.1 CFRU|XP\_031887487.1 CGLO|KAF3807802.1 CGLO|KAF3811612.1 CHIG|XP\_018160885.1 CVIN|KAF4921448.1 CVIN|KAF4921517.1 CVYL|A00800 CVYL|A03471 MORY|QBZ56227.1 MORY|QBZ58349.1 NCRA|XP\_962631.2 SSCL|APA11922.1

>Orthogroup2101: BCIN|XP\_024551074.1 BCIN|XP\_024552822.1 BGRA|VDB88176.1 CFRU|XP\_031892730.1 CGLO|KAF3797215.1 CHIG|XP\_018157293.1 CVIN|KAF4917690.1 CVYL|A10480 FGRM|XP\_011320155.1 MGRA|XP\_003852730.1 MLAR|XP\_007416466.1 MLAR|XP\_007416609.1 MORY|QBZ65987.1 NCRA|XP\_964630.1 SSCL|APA12017.1

>Orthogroup2102: BCIN|XP\_024551258.1 CFRU|XP\_031878500.1 CFRU|XP\_031880840.1 CGLO|KAF3798612.1 CGLO|KAF3806967.1 CHIG|XP\_018151836.1 CHIG|XP\_018154225.1 CHIG|XP\_018156667.1 CHIG|XP\_018159939.1 CVYL|A04834 CVYL|A06259 FGRM|XP\_011317368.1 MORY|QBZ58479.1 MORY|QBZ58695.1 MORY|QBZ63301.1

>Orthogroup2103: BCIN|XP\_024551626.1 CFRU|XP\_031881587.1 CFRU|XP\_031883994.1 CGLO|KAF3805111.1 CGLO|KAF3805412.1 CHIG|XP\_018156702.1 CHIG|XP\_018163403.1 CVIN|KAF4917753.1 CVIN|KAF4927391.1 CVYL|A06448 CVYL|A11059 FGRM|XP\_011325240.1 MGRA|XP\_003848511.1 MORY|QBZ65447.1 SSCL|APA06270.1

>Orthogroup2104: BCIN|XP\_001555327.1 BGRA|VDB87914.1 CFRU|XP\_031883262.1 CFRU|XP\_031889875.1 CGLO|KAF3801734.1 CGLO|KAF3805982.1 CHIG|XP\_018159249.1 CVIN|KAF4922916.1 CVYL|A12967 FGRM|XP\_011320399.1 MGRA|XP\_003856469.1 MORY|QBZ55472.1 MORY|QBZ61591.1 NCRA|XP\_960427.1 SSCL|APA08615.1

>Orthogroup2105: BCIN|XP\_001545579.1 BGRA|VDB89085.1 CFRU|XP\_031889456.1 CGLO|KAF3808813.1 CHIG|XP\_018155716.1 CVIN|KAF4908028.1 CVIN|KAF4918927.1 CVYL|A01265 CVYL|A12331 FGRM|XP\_011319265.1 MGRA|XP\_003856264.1 MLAR|XP\_007412708.1 MORY|QBZ58714.1 NCRA|XP\_960814.1 SSCL|APA16300.1

>Orthogroup2106: BGRA|VCU38880.1 BGRA|VCU39903.1 BGRA|VCU40907.1 BGRA|VDB84113.1 BGRA|VDB84156.1 BGRA|VDB86003.1 BGRA|VDB87852.1 BGRA|VDB88331.1 BGRA|VDB89920.1 BGRA|VDB89940.1 BGRA|VDB92800.1 BGRA|VDB92828.1 BGRA|VDB94700.1 BGRA|VDB94726.1 BGRA|VDB94751.1

>Orthogroup2107: BGRA|VCU39926.1 BGRA|VCU39932.1 BGRA|VCU39941.1 BGRA|VCU39946.1 BGRA|VCU39949.1 BGRA|VCU39953.1 BGRA|VCU40529.1 BGRA|VDB90713.1 BGRA|VDB90716.1 BGRA|VDB92772.1 BGRA|VDB92817.1 BGRA|VDB92818.1 BGRA|VDB92820.1 BGRA|VDB93653.1 BGRA|VDB96386.1

>Orthogroup2108: BGRA|VDB83705.1 BGRA|VDB83734.1 BGRA|VDB88248.1 BGRA|VDB88249.1 BGRA|VDB88255.1 BGRA|VDB88270.1 BGRA|VDB93050.1 BGRA|VDB93593.1 BGRA|VDB93594.1 BGRA|VDB93595.1 BGRA|VDB93596.1 BGRA|VDB93597.1 BGRA|VDB93598.1 BGRA|VDB93609.1 BGRA|VDB95223.1

>Orthogroup2109: BGRA|VDB84205.1 CFRU|XP\_031880174.1 CFRU|XP\_031882027.1 CGLO|KAF3797729.1 CGLO|KAF3806039.1 CHIG|XP\_018152672.1 CHIG|XP\_018164629.1 CVIN|KAF4917554.1 CVIN|KAF4917849.1 CVYL|A07467 FGRM|XP\_011322428.1 FGRM|XP\_011322661.1 MORY|QBZ59440.1 MORY|QBZ60122.1 MORY|QBZ65006.1

>Orthogroup2110: BGRA|VDB86368.1 BGRA|VDB87918.1 BGRA|VDB87920.1 BGRA|VDB87928.1 BGRA|VDB87938.1 BGRA|VDB87944.1 BGRA|VDB87969.1 BGRA|VDB91317.1 BGRA|VDB91327.1 BGRA|VDB91369.1 BGRA|VDB91371.1 BGRA|VDB91373.1 BGRA|VDB91375.1 BGRA|VDB91383.1 BGRA|VDB91385.1

>Orthogroup2111: CFRU|XP\_031889420.1 CFRU|XP\_031893126.1 CFRU|XP\_031893127.1 CGLO|KAF3808083.1 CGLO|KAF3808725.1 CHIG|XP\_018152784.1 CHIG|XP\_018155541.1 CHIG|XP\_018159658.1 CHIG|XP\_018163329.1 CHIG|XP\_018163330.1 CVIN|KAF4920618.1 CVIN|KAF4929635.1 CVYL|A00935 CVYL|A08150 MGRA|XP\_003853279.1

>Orthogroup2112: CFRU|XP\_031885177.1 CFRU|XP\_031885558.1 CFRU|XP\_031890368.1 CFRU|XP\_031893470.1 CGLO|KAF3804901.1 CGLO|KAF3807670.1 CGLO|KAF3810161.1 CHIG|XP\_018162797.1 CVIN|KAF4909787.1 CVIN|KAF4927830.1 CVIN|KAF4929156.1 CVYL|A02752 CVYL|A07006 FGRM|XP\_011326240.1 NCRA|XP\_961736.1

>Orthogroup2113: CFRU|XP\_031884038.1 CFRU|XP\_031888748.1 CGLO|KAF3804155.1 CGLO|KAF3805110.1 CHIG|XP\_018160006.1 CHIG|XP\_018163405.1 CVIN|KAF4918375.1 CVIN|KAF4927390.1 CVYL|A03807 CVYL|A06449 FGRM|XP\_011325242.1 MGRA|XP\_003848468.1 MLAR|XP\_007415763.1 MORY|QBZ65445.1 NCRA|XP\_964781.2

>Orthogroup2114: CFRU|XP\_031875840.1 CFRU|XP\_031880825.1 CGLO|KAF3805541.1 CGLO|KAF3806923.1 CHIG|XP\_018155393.1 CHIG|XP\_018159604.1 CVIN|KAF4889025.1 CVIN|KAF4919165.1 CVYL|A02566 CVYL|A05664 FGRM|XP\_011317419.1 FGRM|XP\_011317576.1 FGRM|XP\_011327481.1 FGRM|XP\_011327615.1 NCRA|XP\_001728134.1

>Orthogroup2115: CFRU|XP\_031875616.1 CFRU|XP\_031875774.1 CFRU|XP\_031876222.1 CFRU|XP\_031876609.1 CFRU|XP\_031878934.1 CGLO|KAF3798544.1 CGLO|KAF3807866.1 CGLO|KAF3808141.1 CHIG|XP\_018150713.1 CHIG|XP\_018163049.1 CVIN|KAF4922629.1 CVYL|A00746 CVYL|A05429 CVYL|A08688 MORY|QBZ65222.1

>Orthogroup2116: CFRU|XP\_031876881.1 CFRU|XP\_031887605.1 CGLO|KAF3799816.1 CGLO|KAF3803261.1 CHIG|XP\_018153864.1 CHIG|XP\_018161136.1 CVIN|KAF4907988.1 CVIN|KAF4928647.1 CVYL|A03695 FGRM|XP\_011318616.1 FGRM|XP\_011323078.1 MORY|QBZ54783.1 MORY|QBZ63722.1 MORY|QBZ64457.1 MORY|QBZ65097.1

>Orthogroup2117: CFRU|XP\_031884087.1 CFRU|XP\_031886093.1 CGLO|KAF3811048.1 CHIG|XP\_018150591.1 CHIG|XP\_018152834.1 CHIG|XP\_018153132.1 CHIG|XP\_018155359.1 CVIN|KAF4913935.1 CVIN|KAF4918165.1 CVYL|A05624 CVYL|A09741 FGRM|XP\_011327516.1 FGRM|XP\_011327689.1 MORY|QBZ59134.1 MORY|QBZ65163.1

>Orthogroup2118: CFRU|XP\_031891391.1 CFRU|XP\_031892398.1 CGLO|KAF3803066.1 CGLO|KAF3804594.1 CHIG|XP\_018153539.1 CHIG|XP\_018158004.1 CHIG|XP\_018161673.1 CVIN|KAF4919850.1 CVIN|KAF4923082.1 CVYL|A00076 CVYL|A05284 FGRM|XP\_011316120.1 MORY|QBZ54784.1 MORY|QBZ56456.1 NCRA|XP\_960307.2

>Orthogroup2119: CFRU|XP\_031879388.1 CFRU|XP\_031892652.1 CGLO|KAF3797160.1 CGLO|KAF3808599.1 CHIG|XP\_018157112.1 CHIG|XP\_018158302.1 CHIG|XP\_018161892.1 CVIN|KAF4918840.1 CVIN|KAF4926203.1 CVYL|A10538 CVYL|A12383 FGRM|XP\_011320987.1 MGRA|XP\_003852056.1 MORY|QBZ63688.1 NCRA|XP\_965746.1

>Orthogroup2120: CFRU|XP\_031885159.1 CGLO|KAF3807677.1 CHIG|XP\_018162898.1 CVIN|KAF4927769.1 CVYL|A06864 FGRM|XP\_011317405.1 FGRM|XP\_011317605.1 FGRM|XP\_011319074.1 FGRM|XP\_011320818.1 FGRM|XP\_011323275.1 FGRM|XP\_011326286.1 MORY|QBZ60815.1 MORY|QBZ61457.1 NCRA|XP\_962997.1 SSCL|APA10163.1

>Orthogroup2121: CFRU|XP\_031884990.1 CGLO|KAF3801009.1 CHIG|XP\_018151556.1 CHIG|XP\_018164973.1 CVIN|KAF4912982.1 CVYL|A05897 FGRM|XP\_011318203.1 FGRM|XP\_011320840.1 FGRM|XP\_011322104.1 FGRM|XP\_011323120.1 MGRA|XP\_003851613.1 MORY|QBZ53676.1 MORY|QBZ55842.1 MORY|QBZ57661.1 MORY|QBZ62726.1

>Orthogroup2122: CFRU|XP\_031877411.1 CFRU|XP\_031877422.1 CFRU|XP\_031884627.1 CGLO|KAF3799719.1 CHIG|XP\_018158258.1 CHIG|XP\_018158304.1 CHIG|XP\_018159928.1 CVIN|KAF4915213.1 CVIN|KAF4919979.1 CVYL|A05879 CVYL|A11680 FGRM|XP\_011320989.1 MLAR|XP\_007407438.1 MLAR|XP\_007414012.1 MLAR|XP\_007416049.1

>Orthogroup2123: CFRU|XP\_031882965.1 CFRU|XP\_031891946.1 CGLO|KAF3808209.1 CGLO|KAF3809692.1 CHIG|XP\_018163195.1 CVIN|KAF4918907.1 CVIN|KAF4921939.1 CVIN|KAF4924314.1 CVYL|A00557 CVYL|A06611 CVYL|A12367 FGRM|XP\_011317853.1 MORY|QBZ53912.1 MORY|QBZ57962.1 MORY|QBZ58918.1

>Orthogroup2124: CFRU|XP\_031876803.1 CFRU|XP\_031882537.1 CFRU|XP\_031883090.1 CFRU|XP\_031889688.1 CFRU|XP\_031889693.1 CGLO|KAF3810300.1 CGLO|KAF3810601.1 CGLO|KAF3810602.1 CGLO|KAF3812131.1 CVIN|KAF4893859.1 CVIN|KAF4893861.1 CVIN|KAF4924042.1 CVYL|A00626 CVYL|A13683 FGRM|XP\_011315736.1

>Orthogroup2125: CFRU|XP\_031877396.1 CFRU|XP\_031882170.1 CGLO|KAF3804358.1 CGLO|KAF3808433.1 CHIG|XP\_018160162.1 CHIG|XP\_018162008.1 CVIN|KAF4918350.1 CVIN|KAF4931499.1 CVYL|A04060 CVYL|A11710 FGRM|XP\_011319890.1 MLAR|XP\_007404070.1 MLAR|XP\_007404071.1 MLAR|XP\_007409532.1 MLAR|XP\_007418923.1

>Orthogroup2126: CFRU|XP\_031882168.1 CFRU|XP\_031889756.1 CGLO|KAF3804361.1 CGLO|KAF3810470.1 CHIG|XP\_018159152.1 CHIG|XP\_018159512.1 CHIG|XP\_018160906.1 CVIN|KAF4918332.1 CVIN|KAF4924665.1 CVYL|A14072 FGRM|XP\_011322166.1 MLAR|XP\_007407248.1 MLAR|XP\_007410812.1 MLAR|XP\_007410814.1 NCRA|XP\_957119.3

>Orthogroup2127: CFRU|XP\_031879656.1 CFRU|XP\_031881409.1 CGLO|KAF3798580.1 CGLO|KAF3805780.1 CHIG|XP\_018158033.1 CVIN|KAF4926579.1 CVIN|KAF4930162.1 CVYL|A04864 CVYL|A06041 MORY|QBZ57559.1 MORY|QBZ61894.1 MORY|QBZ63037.1 MORY|QBZ63460.1 MORY|QBZ66219.1 NCRA|XP\_959660.3

>Orthogroup2128: CFRU|XP\_031876334.1 CFRU|XP\_031877919.1 CFRU|XP\_031877920.1 CFRU|XP\_031877921.1 CGLO|KAF3810969.1 CHIG|XP\_018154888.1 CVIN|KAF4920581.1 CVIN|KAF4921838.1 CVIN|KAF4921841.1 CVYL|A02181 CVYL|A06188 NCRA|XP\_959364.1 NCRA|XP\_959366.1 NCRA|XP\_959367.3 NCRA|XP\_962867.1

>Orthogroup2129: CFRU|XP\_031890145.1 CGLO|KAF3810423.1 CHIG|XP\_018154204.1 CVIN|KAF4908254.1 CVYL|A11381 MORY|QBZ56810.1 MORY|QBZ57113.1 MORY|QBZ57611.1 MORY|QBZ62929.1 MORY|QBZ63621.1 MORY|QBZ64344.1 MORY|QBZ64973.1 MORY|QBZ65191.1 MORY|QBZ66227.1 SSCL|APA06799.1

>Orthogroup2130: MGRA|XP\_003847260.1 MGRA|XP\_003849167.1 MGRA|XP\_003849830.1 MGRA|XP\_003850866.1 MGRA|XP\_003850867.1 MGRA|XP\_003850868.1 MGRA|XP\_003850988.1 MGRA|XP\_003850989.1 MGRA|XP\_003850990.1 MGRA|XP\_003850991.1 MGRA|XP\_003850992.1 MGRA|XP\_003850993.1 MGRA|XP\_003854417.1 MGRA|XP\_003854784.1 MGRA|XP\_003856739.1

>Orthogroup2131: MLAR|XP\_007403963.1 MLAR|XP\_007404705.1 MLAR|XP\_007404959.1 MLAR|XP\_007405743.1 MLAR|XP\_007407729.1 MLAR|XP\_007408551.1 MLAR|XP\_007409432.1 MLAR|XP\_007409433.1 MLAR|XP\_007410491.1 MLAR|XP\_007411812.1 MLAR|XP\_007413380.1 MLAR|XP\_007415840.1 MLAR|XP\_007417314.1 MLAR|XP\_007418719.1 MLAR|XP\_007419431.1

>Orthogroup2132: MLAR|XP\_007404832.1 MLAR|XP\_007405236.1 MLAR|XP\_007407082.1 MLAR|XP\_007408488.1 MLAR|XP\_007408614.1 MLAR|XP\_007411852.1 MLAR|XP\_007411962.1 MLAR|XP\_007412427.1 MLAR|XP\_007413697.1 MLAR|XP\_007416284.1 MLAR|XP\_007417617.1 MLAR|XP\_007417863.1 MLAR|XP\_007418000.1 MLAR|XP\_007418448.1 MLAR|XP\_007419753.1

>Orthogroup2133: MLAR|XP\_007404489.1 MLAR|XP\_007404490.1 MLAR|XP\_007404491.1 MLAR|XP\_007404645.1 MLAR|XP\_007408130.1 MLAR|XP\_007408131.1 MLAR|XP\_007408726.1 MLAR|XP\_007408998.1 MLAR|XP\_007409664.1 MLAR|XP\_007409665.1 MLAR|XP\_007416989.1 MLAR|XP\_007417035.1 MLAR|XP\_007417495.1 MLAR|XP\_007417730.1 MLAR|XP\_007418293.1

>Orthogroup2134: MLAR|XP\_007405402.1 MLAR|XP\_007405642.1 MLAR|XP\_007405944.1 MLAR|XP\_007407781.1 MLAR|XP\_007408084.1 MLAR|XP\_007409983.1 MLAR|XP\_007411175.1 MLAR|XP\_007411213.1 MLAR|XP\_007412376.1 MLAR|XP\_007414573.1 MLAR|XP\_007414974.1 MLAR|XP\_007416009.1 MLAR|XP\_007417092.1 MLAR|XP\_007419776.1 MLAR|XP\_007419825.1

>Orthogroup2135: MLAR|XP\_007405113.1 MLAR|XP\_007406080.1 MLAR|XP\_007406085.1 MLAR|XP\_007406120.1 MLAR|XP\_007406128.1 MLAR|XP\_007407811.1 MLAR|XP\_007409200.1 MLAR|XP\_007409201.1 MLAR|XP\_007409203.1 MLAR|XP\_007410986.1 MLAR|XP\_007413357.1 MLAR|XP\_007414437.1 MLAR|XP\_007418359.1 MLAR|XP\_007419217.1 MLAR|XP\_007419219.1

>Orthogroup2136: MLAR|XP\_007405226.1 MLAR|XP\_007406093.1 MLAR|XP\_007406730.1 MLAR|XP\_007408069.1 MLAR|XP\_007408806.1 MLAR|XP\_007411909.1 MLAR|XP\_007413674.1 MLAR|XP\_007413772.1 MLAR|XP\_007414111.1 MLAR|XP\_007414508.1 MLAR|XP\_007416040.1 MLAR|XP\_007416183.1 MLAR|XP\_007416695.1 MLAR|XP\_007417627.1 MLAR|XP\_007418878.1

>Orthogroup2137: MLAR|XP\_007405784.1 MLAR|XP\_007407725.1 MLAR|XP\_007408394.1 MLAR|XP\_007410139.1 MLAR|XP\_007410140.1 MLAR|XP\_007410532.1 MLAR|XP\_007411099.1 MLAR|XP\_007411101.1 MLAR|XP\_007411153.1 MLAR|XP\_007412408.1 MLAR|XP\_007412409.1 MLAR|XP\_007412436.1 MLAR|XP\_007412636.1 MLAR|XP\_007414187.1 MLAR|XP\_007414226.1

>Orthogroup2138: MLAR|XP\_007405932.1 MLAR|XP\_007407115.1 MLAR|XP\_007409867.1 MLAR|XP\_007411160.1 MLAR|XP\_007411547.1 MLAR|XP\_007412234.1 MLAR|XP\_007412768.1 MLAR|XP\_007413685.1 MLAR|XP\_007414001.1 MLAR|XP\_007414993.1 MLAR|XP\_007416203.1 MLAR|XP\_007418939.1 MLAR|XP\_007419063.1 MLAR|XP\_007419172.1 MLAR|XP\_007419677.1

>Orthogroup2139: MLAR|XP\_007405979.1 MLAR|XP\_007406398.1 MLAR|XP\_007406399.1 MLAR|XP\_007407739.1 MLAR|XP\_007408280.1 MLAR|XP\_007408836.1 MLAR|XP\_007410021.1 MLAR|XP\_007412531.1 MLAR|XP\_007416745.1 MLAR|XP\_007416982.1 MLAR|XP\_007419141.1 MLAR|XP\_007419507.1 MLAR|XP\_007419508.1 MLAR|XP\_007419662.1 MLAR|XP\_007419814.1

>Orthogroup2140: MLAR|XP\_007406005.1 MLAR|XP\_007406007.1 MLAR|XP\_007406008.1 MLAR|XP\_007406100.1 MLAR|XP\_007406110.1 MLAR|XP\_007407840.1 MLAR|XP\_007408385.1 MLAR|XP\_007408395.1 MLAR|XP\_007408398.1 MLAR|XP\_007412472.1 MLAR|XP\_007415048.1 MLAR|XP\_007415496.1 MLAR|XP\_007416555.1 MLAR|XP\_007417554.1 MLAR|XP\_007419824.1

>Orthogroup2141: MLAR|XP\_007406396.1 MLAR|XP\_007406745.1 MLAR|XP\_007407592.1 MLAR|XP\_007407902.1 MLAR|XP\_007408082.1 MLAR|XP\_007409982.1 MLAR|XP\_007411090.1 MLAR|XP\_007411215.1 MLAR|XP\_007412171.1 MLAR|XP\_007412478.1 MLAR|XP\_007414572.1 MLAR|XP\_007414860.1 MLAR|XP\_007417067.1 MLAR|XP\_007419752.1 MLAR|XP\_007419775.1

>Orthogroup2142: MLAR|XP\_007406465.1 MLAR|XP\_007406466.1 MLAR|XP\_007406564.1 MLAR|XP\_007406580.1 MLAR|XP\_007408604.1 MLAR|XP\_007408606.1 MLAR|XP\_007408647.1 MLAR|XP\_007414448.1 MLAR|XP\_007414449.1 MLAR|XP\_007414542.1 MLAR|XP\_007414543.1 MLAR|XP\_007414545.1 MLAR|XP\_007415299.1 MLAR|XP\_007417140.1 MLAR|XP\_007418635.1

>Orthogroup2143: ANID|CBF69482.1 ANID|CBF74281.1 BCIN|XP\_024546104.1 BGRA|VDB90778.1 CFRU|XP\_031882810.1 CGLO|KAF3806674.1 CHIG|XP\_018164193.1 CVIN|KAF4923656.1 CVYL|A14217 FGRM|XP\_011317140.1 MLAR|XP\_007417905.1 MORY|QBZ62798.1 NCRA|XP\_965438.3 SSCL|APA06626.1

>Orthogroup2144: ANID|CBF69540.1 ANID|CBF75936.1 ANID|CBF79762.1 BCIN|XP\_024552178.1 CFRU|XP\_031887479.1 CGLO|KAF3803198.1 CHIG|XP\_018161036.1 CVIN|KAF4920217.1 CVYL|A03628 FGRM|XP\_011327357.1 MGRA|XP\_003848312.1 MLAR|XP\_007412977.1 MORY|QBZ63378.1 SSCL|APA13082.1

>Orthogroup2145: ANID|CBF69554.1 ANID|CBF74620.1 CFRU|XP\_031876426.1 CFRU|XP\_031887477.1 CGLO|KAF3801942.1 CGLO|KAF3803200.1 CHIG|XP\_018151504.1 CHIG|XP\_018161040.1 CVIN|KAF4920215.1 CVYL|A02380 CVYL|A03631 FGRM|XP\_011324741.1 FGRM|XP\_011325208.1 MORY|QBZ58754.1

>Orthogroup2146: ANID|CBF69555.1 BCIN|XP\_024552843.1 CFRU|XP\_031889401.1 CGLO|KAF3808778.1 CHIG|XP\_018155679.1 CVIN|KAF4900707.1 CVYL|A00886 FGRM|XP\_011319243.1 MGRA|XP\_003857726.1 MLAR|XP\_007416829.1 MLAR|XP\_007419760.1 MORY|QBZ58656.1 NCRA|XP\_960606.3 SSCL|APA07607.1

>Orthogroup2147: ANID|CBF69583.1 BCIN|XP\_024552156.1 BGRA|VDB92763.1 CFRU|XP\_031877532.1 CGLO|KAF3798432.1 CHIG|XP\_018161250.1 CVIN|KAF4920000.1 CVYL|A11205 FGRM|XP\_011321438.1 MGRA|XP\_003849521.1 MLAR|XP\_007411397.1 MORY|QBZ56746.1 NCRA|XP\_961965.2 SSCL|APA13153.1

>Orthogroup2148: ANID|CBF69598.1 BCIN|XP\_024552426.1 BGRA|VDB93429.1 CFRU|XP\_031884335.1 CGLO|KAF3806467.1 CHIG|XP\_018162363.1 CVIN|KAF4908638.1 CVYL|A12068 FGRM|XP\_011323922.1 MGRA|XP\_003854396.1 MLAR|XP\_007405558.1 MORY|QBZ55498.1 NCRA|XP\_958270.2 SSCL|APA14960.1

>Orthogroup2149: ANID|CBF69609.1 BCIN|XP\_024552551.1 CFRU|XP\_031886252.1 CGLO|KAF3806210.1 CHIG|XP\_018162200.1 CVIN|KAF4931567.1 CVYL|A11797 FGRM|XP\_011324145.1 MGRA|XP\_003850228.1 MGRA|XP\_003853355.1 MLAR|XP\_007405209.1 MORY|QBZ55799.1 NCRA|XP\_957761.3 SSCL|APA08648.1

>Orthogroup2150: ANID|CBF69629.1 BCIN|XP\_001549813.2 BGRA|VDB93586.1 CFRU|XP\_031883217.1 CGLO|KAF3800744.1 CHIG|XP\_018163293.1 CVIN|KAF4919649.1 CVYL|A00460 FGRM|XP\_011326201.1 MGRA|XP\_003854082.1 MLAR|XP\_007418371.1 MORY|QBZ58246.1 NCRA|XP\_962825.2 SSCL|APA14457.1

>Orthogroup2151: ANID|CBF69644.1 BCIN|XP\_024552415.1 BGRA|VDB87884.1 CFRU|XP\_031886499.1 CGLO|KAF3806217.1 CHIG|XP\_018162052.1 CVIN|KAF4931466.1 CVYL|A11806 FGRM|XP\_011326624.1 MGRA|XP\_003854541.1 MLAR|XP\_007408550.1 MORY|QBZ61345.1 NCRA|XP\_962863.3 SSCL|APA14949.1

>Orthogroup2152: ANID|CBF69649.1 BCIN|XP\_001547514.1 BGRA|VDB93399.1 CFRU|XP\_031877206.1 CGLO|KAF3806419.1 CHIG|XP\_018162304.1 CVIN|KAF4918069.1 CVYL|A12013 FGRM|XP\_011324131.1 MGRA|XP\_003854178.1 MLAR|XP\_007410545.1 MORY|QBZ55764.1 NCRA|XP\_011393824.1 SSCL|APA14963.1

>Orthogroup2153: ANID|CBF69655.1 BCIN|XP\_024553716.1 BGRA|VDB93359.1 CFRU|XP\_031893014.1 CGLO|KAF3808417.1 CHIG|XP\_018152495.1 CVIN|KAF4924991.1 CVYL|A09576 FGRM|XP\_011317928.1 MGRA|XP\_003854073.1 MLAR|XP\_007418346.1 MORY|QBZ54854.1 NCRA|XP\_958281.1 SSCL|APA15110.1

>Orthogroup2154: ANID|CBF69669.1 BCIN|XP\_024549402.1 BGRA|VDB91095.1 CFRU|XP\_031888581.1 CHIG|XP\_018154925.1 CHIG|XP\_018163759.1 CVIN|KAF4928569.1 CVYL|A14625 FGRM|XP\_011316021.1 MORY|QBZ54612.1 MORY|QBZ58450.1 NCRA|XP\_011393318.1 SSCL|APA09070.1 SSCL|APA09071.1

>Orthogroup2155: ANID|CBF69674.1 BCIN|XP\_024552020.1 BGRA|VDB89684.1 CFRU|XP\_031876717.1 CGLO|KAF3798674.1 CHIG|XP\_018157480.1 CVIN|KAF4918469.1 CVYL|A09413 FGRM|XP\_011317819.1 MGRA|XP\_003849071.1 MLAR|XP\_007412700.1 MORY|QBZ58956.1 NCRA|XP\_011394408.1 SSCL|APA12784.1

>Orthogroup2156: ANID|CBF69680.1 BCIN|XP\_024552023.1 BGRA|VDB89690.1 CFRU|XP\_031876707.1 CGLO|KAF3798676.1 CHIG|XP\_018157479.1 CVIN|KAF4918491.1 CVYL|A09415 FGRM|XP\_011327895.1 MGRA|XP\_003848872.1 MLAR|XP\_007413258.1 MORY|QBZ58958.1 NCRA|XP\_956329.1 SSCL|APA12788.1

>Orthogroup2157: ANID|CBF69688.1 BCIN|XP\_024549661.1 BGRA|VCU40093.1 CFRU|XP\_031885317.1 CGLO|KAF3798653.1 CHIG|XP\_018157508.1 CVIN|KAF4919470.1 CVYL|A09390 FGRM|XP\_011328137.1 MGRA|XP\_003855381.1 MLAR|XP\_007410930.1 MORY|QBZ56581.1 NCRA|XP\_962286.2 SSCL|APA06184.1

>Orthogroup2158: ANID|CBF69689.1 BCIN|XP\_001551460.1 BGRA|VCU40110.1 BGRA|VCU40111.1 CFRU|XP\_031885318.1 CGLO|KAF3798652.1 CHIG|XP\_018157509.1 CVIN|KAF4919469.1 CVYL|A09389 FGRM|XP\_011328136.1 MGRA|XP\_003855380.1 MORY|QBZ56580.1 NCRA|XP\_962288.2 SSCL|APA06183.1

>Orthogroup2159: ANID|CBF69695.1 BCIN|XP\_024549783.1 BGRA|VCU40154.1 CFRU|XP\_031880611.1 CGLO|KAF3811522.1 CHIG|XP\_018160779.1 CVIN|KAF4926735.1 CVYL|A04732 FGRM|XP\_011324820.1 MGRA|XP\_003848897.1 MLAR|XP\_007418591.1 MORY|QBZ56624.1 NCRA|XP\_961756.2 SSCL|APA05733.1

>Orthogroup2160: ANID|CBF69703.1 BCIN|XP\_024548419.1 CFRU|XP\_031885414.1 CGLO|KAF3799427.1 CHIG|XP\_018152299.1 CVIN|KAF4931731.1 CVYL|A13291 FGRM|XP\_011323655.1 MGRA|XP\_003856161.1 MLAR|XP\_007411132.1 MLAR|XP\_007414394.1 MORY|QBZ64788.1 NCRA|XP\_955770.2 SSCL|APA12280.1

>Orthogroup2161: ANID|CBF69713.1 BCIN|XP\_001545514.1 BGRA|VCU39244.1 CFRU|XP\_031876735.1 CGLO|KAF3798672.1 CHIG|XP\_018157482.1 CVIN|KAF4918471.1 CVYL|A09411 FGRM|XP\_011317821.1 MGRA|XP\_003855029.1 MLAR|XP\_007409039.1 MORY|QBZ58988.1 NCRA|XP\_956333.2 SSCL|APA13206.1

>Orthogroup2162: ANID|CBF69728.1 BCIN|XP\_024549681.1 BGRA|VDB96306.1 CFRU|XP\_031876947.1 CGLO|KAF3810702.1 CHIG|XP\_018162467.1 CVIN|KAF4909748.1 CVYL|A07252 FGRM|XP\_011326994.1 MGRA|XP\_003854116.1 MLAR|XP\_007408949.1 MORY|QBZ61440.1 NCRA|XP\_957361.1 SSCL|APA05250.1

>Orthogroup2163: ANID|CBF69752.1 BCIN|XP\_024552863.1 BGRA|VDB93074.1 CFRU|XP\_031877992.1 CGLO|KAF3799628.1 CHIG|XP\_018154634.1 CVIN|KAF4926432.1 CVYL|A13491 FGRM|XP\_011315978.1 MGRA|XP\_003852987.1 MLAR|XP\_007412291.1 MORY|QBZ61022.1 NCRA|XP\_963541.1 SSCL|APA16124.1

>Orthogroup2164: ANID|CBF69773.1 BCIN|XP\_001554520.2 BGRA|VCU39583.1 CFRU|XP\_031885336.1 CGLO|KAF3799477.1 CHIG|XP\_018154462.1 CVIN|KAF4931790.1 CVYL|A13339 FGRM|XP\_011316699.1 MGRA|XP\_003856587.1 MLAR|XP\_007413976.1 MORY|QBZ57266.1 NCRA|XP\_963615.1 SSCL|APA11855.1

>Orthogroup2165: ANID|CBF69777.1 BCIN|XP\_001554518.1 BGRA|VCU39577.1 CFRU|XP\_031883391.1 CGLO|KAF3800533.1 CHIG|XP\_018152153.1 CVIN|KAF4919220.1 CVYL|A13182 FGRM|XP\_011315948.1 MGRA|XP\_003857248.1 MLAR|XP\_007406071.1 MORY|QBZ61084.1 NCRA|XP\_956517.1 SSCL|APA11853.1

>Orthogroup2166: ANID|CBF69788.1 BCIN|XP\_001557588.1 BGRA|VDB88831.1 CFRU|XP\_031890975.1 CGLO|KAF3811717.1 CHIG|XP\_018151814.1 CVIN|KAF4922980.1 CVYL|A12734 FGRM|XP\_011319393.1 MGRA|XP\_003857022.1 MLAR|XP\_007417848.1 MORY|QBZ61166.1 NCRA|XP\_963280.2 SSCL|APA12318.1

>Orthogroup2167: ANID|CBF69809.1 BCIN|XP\_024553373.1 BGRA|VDB83655.1 CFRU|XP\_031876539.1 CGLO|KAF3811482.1 CHIG|XP\_018160735.1 CVIN|KAF4907413.1 CVYL|A04687 FGRM|XP\_011317778.1 MGRA|XP\_003848888.1 MLAR|XP\_007413337.1 MORY|QBZ56558.1 NCRA|XP\_962675.2 SSCL|APA13707.1

>Orthogroup2168: ANID|CBF69819.1 BCIN|XP\_001549431.1 BGRA|VDB93052.1 CFRU|XP\_031885359.1 CGLO|KAF3799511.1 CHIG|XP\_018154499.1 CVIN|KAF4931871.1 CVYL|A13372 FGRM|XP\_011324927.1 MGRA|XP\_003856441.1 MLAR|XP\_007407158.1 MORY|QBZ62058.1 NCRA|XP\_956880.2 SSCL|APA11817.1

>Orthogroup2169: ANID|CBF69821.1 BCIN|XP\_001554581.1 BGRA|VDB93047.1 CFRU|XP\_031885328.1 CGLO|KAF3799524.1 CHIG|XP\_018154513.1 CVIN|KAF4931768.1 CVYL|A13384 FGRM|XP\_011321202.1 MGRA|XP\_003857495.1 MLAR|XP\_007406901.1 MORY|QBZ62093.1 NCRA|XP\_956952.1 SSCL|APA11645.1

>Orthogroup2170: ANID|CBF69823.1 BCIN|XP\_001554580.1 BGRA|VDB93046.1 CFRU|XP\_031885494.1 CGLO|KAF3799523.1 CHIG|XP\_018154512.1 CVIN|KAF4931767.1 CVYL|A13383 FGRM|XP\_011321201.1 MGRA|XP\_003856440.1 MLAR|XP\_007408310.1 MORY|QBZ62077.1 NCRA|XP\_956951.1 SSCL|APA11644.1

>Orthogroup2171: ANID|CBF69842.1 BCIN|XP\_001546163.1 BGRA|VCU39668.1 CFRU|XP\_031885460.1 CGLO|KAF3799536.1 CHIG|XP\_018154526.1 CVIN|KAF4931837.1 CVYL|A13396 FGRM|XP\_011324916.1 MGRA|XP\_003857150.1 MLAR|XP\_007410779.1 MORY|QBZ62070.1 NCRA|XP\_963511.1 SSCL|APA16278.1

>Orthogroup2172: ANID|CBF69846.1 BCIN|XP\_024553070.1 BGRA|VCU39667.1 CFRU|XP\_031885454.1 CGLO|KAF3799534.1 CHIG|XP\_018154524.1 CVIN|KAF4931819.1 CVYL|A13394 FGRM|XP\_011324918.1 MGRA|XP\_003856609.1 MLAR|XP\_007409482.1 MORY|QBZ62068.1 NCRA|XP\_963513.1 SSCL|APA16280.1

>Orthogroup2173: ANID|CBF69848.1 BCIN|XP\_024550809.1 BGRA|VDB93032.1 CFRU|XP\_031878045.1 CGLO|KAF3799623.1 CHIG|XP\_018154627.1 CVIN|KAF4926487.1 CVYL|A13485 FGRM|XP\_011317254.1 MGRA|XP\_003848607.1 MGRA|XP\_003857257.1 MORY|QBZ61005.1 NCRA|XP\_956963.2 SSCL|APA11844.1

>Orthogroup2174: ANID|CBF69852.1 BCIN|XP\_001554499.1 BGRA|VDB93033.1 CFRU|XP\_031878005.1 CGLO|KAF3799624.1 CHIG|XP\_018154628.1 CVIN|KAF4926486.1 CVYL|A13486 FGRM|XP\_011317253.1 MGRA|XP\_003857078.1 MLAR|XP\_007414104.1 MORY|QBZ61006.1 NCRA|XP\_956964.1 SSCL|APA11839.1

>Orthogroup2175: ANID|CBF69854.1 BCIN|XP\_001546171.1 BGRA|VCU39655.1 CFRU|XP\_031883394.1 CGLO|KAF3800529.1 CHIG|XP\_018152157.1 CVIN|KAF4919250.1 CVYL|A13186 FGRM|XP\_011325511.1 MGRA|XP\_003852095.1 MLAR|XP\_007409955.1 MORY|QBZ53987.1 NCRA|XP\_956482.1 SSCL|APA16286.1

>Orthogroup2176: ANID|CBF69857.1 BCIN|XP\_001554496.1 BGRA|VDB93034.1 CFRU|XP\_031878060.1 CGLO|KAF3799621.1 CHIG|XP\_018154624.1 CVIN|KAF4926493.1 CVYL|A13483 FGRM|XP\_011317256.1 MGRA|XP\_003857277.1 MLAR|XP\_007412724.1 MORY|QBZ61003.1 NCRA|XP\_956953.1 SSCL|APA11838.1

>Orthogroup2177: ANID|CBF69861.1 BCIN|XP\_001554527.2 BGRA|VDB89078.1 CFRU|XP\_031878006.1 CGLO|KAF3799625.1 CHIG|XP\_018154629.1 CVIN|KAF4926489.1 CVYL|A13487 FGRM|XP\_011315953.1 MGRA|XP\_003856399.1 MLAR|XP\_007408794.1 MORY|QBZ61007.1 NCRA|XP\_956965.1 SSCL|APA11847.1

>Orthogroup2178: ANID|CBF69869.1 BCIN|XP\_024552909.1 BGRA|VCU39650.1 CFRU|XP\_031883278.1 CGLO|KAF3800527.1 CHIG|XP\_018152185.1 CVIN|KAF4919257.1 CVYL|A13188 FGRM|XP\_011325507.1 MGRA|XP\_003856579.1 MLAR|XP\_007416821.1 MORY|QBZ53990.1 NCRA|XP\_956484.1 SSCL|APA07524.1

>Orthogroup2179: ANID|CBF69873.1 BCIN|XP\_024553017.1 BGRA|VCU41233.1 CFRU|XP\_031885513.1 CHIG|XP\_018154483.1 CVIN|KAF4931781.1 CVYL|A13359 FGRM|XP\_011321187.1 MGRA|XP\_003856578.1 MLAR|XP\_007404978.1 MLAR|XP\_007419043.1 MORY|QBZ56636.1 NCRA|XP\_956947.1 SSCL|APA16195.1

>Orthogroup2180: ANID|CBF69894.1 BCIN|XP\_001557622.1 BGRA|VDB93021.1 CFRU|XP\_031881295.1 CGLO|KAF3802460.1 CHIG|XP\_018154760.1 CVIN|KAF4916862.1 CVYL|A02051 FGRM|XP\_011316329.1 MGRA|XP\_003853315.1 MLAR|XP\_007412049.1 MORY|QBZ60974.1 NCRA|XP\_963165.1 SSCL|APA12300.1

>Orthogroup2181: ANID|CBF69898.1 BCIN|XP\_024551985.1 BGRA|VCU39273.1 CFRU|XP\_031880673.1 CGLO|KAF3809954.1 CHIG|XP\_018161537.1 CVIN|KAF4914182.1 CVYL|A01669 FGRM|XP\_011318397.1 MGRA|XP\_003849106.1 MLAR|XP\_007418653.1 MORY|QBZ65251.1 NCRA|XP\_962851.2 SSCL|APA12674.1

>Orthogroup2182: ANID|CBF69919.1 BCIN|XP\_024549658.1 BGRA|VCU40087.1 CFRU|XP\_031880580.1 CGLO|KAF3811558.1 CHIG|XP\_018160819.1 CVIN|KAF4926727.1 CVYL|A04770 FGRM|XP\_011324840.1 MGRA|XP\_003849233.1 MLAR|XP\_007406105.1 MORY|QBZ57247.1 NCRA|XP\_955827.1 SSCL|APA06187.1

>Orthogroup2183: ANID|CBF69923.1 BCIN|XP\_024553384.1 CFRU|XP\_031876529.1 CGLO|KAF3811486.1 CHIG|XP\_018160739.1 CVIN|KAF4926794.1 CVYL|A04691 FGRM|XP\_011317782.1 MGRA|XP\_003848755.1 MLAR|XP\_007408834.1 MLAR|XP\_007411770.1 MORY|QBZ56671.1 NCRA|XP\_962655.3 SSCL|APA13725.1

>Orthogroup2184: ANID|CBF69926.1 ANID|CBF82602.1 BCIN|XP\_001550343.1 CFRU|XP\_031875421.1 CFRU|XP\_031875587.1 CFRU|XP\_031890366.1 CGLO|KAF3806680.1 CHIG|XP\_018158649.1 CVIN|KAF4925955.1 CVYL|A13983 FGRM|XP\_011328425.1 MORY|QBZ62500.1 NCRA|XP\_963991.2 SSCL|APA10046.1

>Orthogroup2185: ANID|CBF69938.1 BCIN|XP\_001558780.2 BGRA|VDB96298.1 CFRU|XP\_031876949.1 CGLO|KAF3810706.1 CHIG|XP\_018162472.1 CVIN|KAF4908239.1 CVYL|A07248 FGRM|XP\_011323993.1 MGRA|XP\_003853983.1 MLAR|XP\_007418043.1 MORY|QBZ61446.1 NCRA|XP\_957123.1 SSCL|APA05246.1

>Orthogroup2186: ANID|CBF69944.1 BCIN|XP\_001558778.1 BGRA|VDB96288.1 CFRU|XP\_031876939.1 CGLO|KAF3810704.1 CHIG|XP\_018162470.1 CVIN|KAF4909744.1 CVYL|A07250 FGRM|XP\_011326992.1 MGRA|XP\_003854292.1 MLAR|XP\_007403789.1 MORY|QBZ61442.1 NCRA|XP\_957363.1 SSCL|APA05248.1

>Orthogroup2187: ANID|CBF69953.1 BCIN|XP\_001547117.2 CFRU|XP\_031882683.1 CGLO|KAF3803946.1 CHIG|XP\_018151001.1 CVIN|KAF4925155.1 CVYL|A08857 FGRM|XP\_011317829.1 FGRM|XP\_011322589.1 MGRA|XP\_003856611.1 MLAR|XP\_007403509.1 MORY|QBZ56339.1 NCRA|XP\_962511.2 SSCL|APA08399.1

>Orthogroup2188: ANID|CBF69955.1 BCIN|XP\_001547116.2 BGRA|VCU39265.1 CFRU|XP\_031876533.1 CGLO|KAF3811474.1 CHIG|XP\_018160727.1 CVIN|KAF4907417.1 CVYL|A04678 FGRM|XP\_011317770.1 MGRA|XP\_003849230.1 MLAR|XP\_007411514.1 MORY|QBZ56600.1 NCRA|XP\_962682.3 SSCL|APA08400.1

>Orthogroup2189: ANID|CBF69963.1 BCIN|XP\_024553020.1 BGRA|VCU39711.1 CFRU|XP\_031885380.1 CGLO|KAF3799496.1 CHIG|XP\_018154480.1 CVIN|KAF4931775.1 CVYL|A13356 FGRM|XP\_011321189.1 MGRA|XP\_003856410.1 MLAR|XP\_007404549.1 MORY|QBZ57259.1 NCRA|XP\_963532.3 SSCL|APA16191.1

>Orthogroup2190: ANID|CBF69967.1 BCIN|XP\_024546912.1 CFRU|XP\_031881510.1 CFRU|XP\_031891791.1 CGLO|KAF3800051.1 CGLO|KAF3805817.1 CHIG|XP\_018164994.1 CVIN|KAF4919324.1 CVIN|KAF4920889.1 CVYL|A06007 CVYL|A06748 MGRA|XP\_003857579.1 MORY|QBZ60531.1 NCRA|XP\_962417.2

>Orthogroup2191: ANID|CBF69975.1 BCIN|XP\_001551292.1 BGRA|VCU39700.1 CFRU|XP\_031879465.1 CGLO|KAF3799636.1 CHIG|XP\_018154645.1 CVIN|KAF4926430.1 CVYL|A13499 FGRM|XP\_011324940.1 MGRA|XP\_003857029.1 MLAR|XP\_007414886.1 MORY|QBZ61037.1 NCRA|XP\_963317.2 SSCL|APA07569.1

>Orthogroup2192: ANID|CBF69983.1 BCIN|XP\_001550193.2 BGRA|VCU39722.1 CFRU|XP\_031881301.1 CGLO|KAF3802468.1 CHIG|XP\_018154772.1 CVIN|KAF4916865.1 CVYL|A02059 FGRM|XP\_011317364.1 MGRA|XP\_003856387.1 MLAR|XP\_007408486.1 MORY|QBZ62056.1 NCRA|XP\_956881.1 SSCL|APA16321.1

>Orthogroup2193: ANID|CBF69985.1 BCIN|XP\_001546172.1 BGRA|VCU39656.1 CFRU|XP\_031883393.1 CGLO|KAF3800530.1 CHIG|XP\_018152156.1 CVIN|KAF4919252.1 CVYL|A13185 FGRM|XP\_011325512.1 MGRA|XP\_003857268.1 MLAR|XP\_007410861.1 MORY|QBZ61033.1 NCRA|XP\_956512.2 SSCL|APA16287.1

>Orthogroup2194: ANID|CBF70021.1 BCIN|XP\_024553543.1 BGRA|VCU39935.1 CFRU|XP\_031879072.1 CGLO|KAF3798849.1 CHIG|XP\_018151182.1 CVIN|KAF4919607.1 CVYL|A09086 FGRM|XP\_011324239.1 MGRA|XP\_003852576.1 MLAR|XP\_007403608.1 MORY|QBZ59438.1 NCRA|XP\_957029.1 SSCL|APA13887.1

>Orthogroup2195: ANID|CBF70023.1 BCIN|XP\_001554544.1 BGRA|VCU40848.1 CFRU|XP\_031882442.1 CGLO|KAF3809409.1 CHIG|XP\_018156256.1 CVIN|KAF4916329.1 CVYL|A03075 FGRM|XP\_011319123.1 MGRA|XP\_003851584.1 MLAR|XP\_007411492.1 MORY|QBZ62747.1 NCRA|XP\_964540.2 SSCL|APA11866.1

>Orthogroup2196: ANID|CBF70029.1 BCIN|XP\_024549730.1 BGRA|VDB90988.1 CFRU|XP\_031890662.1 CGLO|KAF3804938.1 CHIG|XP\_018164440.1 CVIN|KAF4919428.1 CVYL|A12116 FGRM|XP\_011316884.1 MGRA|XP\_003851748.1 MLAR|XP\_007403663.1 MORY|QBZ54649.1 NCRA|XP\_964485.1 SSCL|APA05439.1

>Orthogroup2197: ANID|CBF70033.1 BCIN|XP\_001558665.1 BGRA|VDB90984.1 CFRU|XP\_031882896.1 CGLO|KAF3812091.1 CHIG|XP\_018164162.1 CVIN|KAF4915996.1 CVYL|A14269 FGRM|XP\_011316184.1 MGRA|XP\_003851589.1 MLAR|XP\_007413751.1 MORY|QBZ54652.1 NCRA|XP\_964483.1 SSCL|APA05437.1

>Orthogroup2198: ANID|CBF70055.1 BCIN|XP\_001550765.1 BGRA|VDB96367.1 CFRU|XP\_031885106.1 CGLO|KAF3807749.1 CHIG|XP\_018163019.1 CVIN|KAF4920538.1 CVYL|A00849 FGRM|XP\_011326202.1 MGRA|XP\_003853895.1 MLAR|XP\_007417406.1 MORY|QBZ58189.1 NCRA|XP\_011393935.1 SSCL|APA15279.1

>Orthogroup2199: ANID|CBF70061.1 BCIN|XP\_024553689.1 BGRA|VDB96401.1 CFRU|XP\_031878370.1 CGLO|KAF3810754.1 CHIG|XP\_018162551.1 CVIN|KAF4932024.1 CVYL|A07201 FGRM|XP\_011326322.1 MGRA|XP\_003853721.1 MLAR|XP\_007414356.1 MORY|QBZ59720.1 NCRA|XP\_011393729.1 SSCL|APA15076.1

>Orthogroup2200: ANID|CBF70064.1 BCIN|XP\_024553687.1 BGRA|VDB96422.1 CFRU|XP\_031878369.1 CGLO|KAF3810756.1 CHIG|XP\_018162553.1 CVIN|KAF4932045.1 CVYL|A07199 FGRM|XP\_011326320.1 MGRA|XP\_003854063.1 MLAR|XP\_007404027.1 MORY|QBZ59713.1 NCRA|XP\_011393733.1 SSCL|APA15074.1

>Orthogroup2201: ANID|CBF70068.1 BCIN|XP\_001550749.1 BGRA|VDB96383.1 CFRU|XP\_031892968.1 CGLO|KAF3808029.1 CHIG|XP\_018152352.1 CVIN|KAF4909505.1 CVYL|A09455 FGRM|XP\_011317746.1 MGRA|XP\_003854494.1 MLAR|XP\_007414673.1 MORY|QBZ54238.1 NCRA|XP\_011394508.1 SSCL|APA15289.1

>Orthogroup2202: ANID|CBF70089.1 BCIN|XP\_001550736.1 BGRA|VDB93373.1 CFRU|XP\_031883158.1 CGLO|KAF3800737.1 CHIG|XP\_018163287.1 CVIN|KAF4919652.1 CVYL|A00467 FGRM|XP\_011326140.1 MGRA|XP\_003854447.1 MLAR|XP\_007409855.1 MORY|QBZ57932.1 NCRA|XP\_963033.2 SSCL|APA15303.1

>Orthogroup2203: ANID|CBF70091.1 BCIN|XP\_001550737.1 BGRA|VDB90949.1 CFRU|XP\_031883157.1 CGLO|KAF3800736.1 CHIG|XP\_018163286.1 CVIN|KAF4919617.1 CVYL|A00468 FGRM|XP\_011326141.1 MGRA|XP\_003853816.1 MLAR|XP\_007417058.1 MORY|QBZ57931.1 NCRA|XP\_963034.2 SSCL|APA15302.1

>Orthogroup2204: ANID|CBF70100.1 BCIN|XP\_001550535.1 BGRA|VDB93419.1 CFRU|XP\_031891681.1 CGLO|KAF3800130.1 CHIG|XP\_018165064.1 CVIN|KAF4925818.1 CVYL|A06817 FGRM|XP\_011323519.1 MGRA|XP\_003853781.1 MLAR|XP\_007412780.1 MORY|QBZ58691.1 NCRA|XP\_962256.1 SSCL|APA15254.1

>Orthogroup2205: ANID|CBF70108.1 BCIN|XP\_001549835.1 BGRA|VDB93488.1 CFRU|XP\_031883064.1 CGLO|KAF3808248.1 CHIG|XP\_018163166.1 CVIN|KAF4909565.1 CVYL|A00584 FGRM|XP\_011326198.1 MGRA|XP\_003853752.1 MLAR|XP\_007412384.1 MORY|QBZ57842.1 NCRA|XP\_958364.1 SSCL|APA14443.1

>Orthogroup2206: ANID|CBF70134.1 BCIN|XP\_024550059.1 BGRA|VDB93407.1 CFRU|XP\_031883230.1 CGLO|KAF3808294.1 CHIG|XP\_018163126.1 CVIN|KAF4924044.1 CVYL|A00634 FGRM|XP\_011326197.1 MGRA|XP\_003853978.1 MLAR|XP\_007407224.1 MORY|QBZ58253.1 NCRA|XP\_011393963.1 SSCL|APA14453.1

>Orthogroup2207: ANID|CBF70138.1 BCIN|XP\_001557147.1 BGRA|VDB93506.1 CFRU|XP\_031886305.1 CGLO|KAF3806227.1 CHIG|XP\_018162062.1 CVIN|KAF4931527.1 CVYL|A11817 FGRM|XP\_011324035.1 MGRA|XP\_003853753.1 MLAR|XP\_007414677.1 MORY|QBZ61543.1 NCRA|XP\_001728497.1 SSCL|APA15029.1

>Orthogroup2208: ANID|CBF70162.1 BCIN|XP\_024553693.1 BGRA|VDB96421.1 CFRU|XP\_031886342.1 CGLO|KAF3806371.1 CHIG|XP\_018162220.1 CVIN|KAF4923264.1 CVYL|A11960 FGRM|XP\_011324056.1 MGRA|XP\_003853709.1 MLAR|XP\_007405514.1 MORY|QBZ55735.1 NCRA|XP\_957805.1 SSCL|APA15084.1

>Orthogroup2209: ANID|CBF70164.1 BCIN|XP\_024553692.1 CFRU|XP\_031886482.1 CGLO|KAF3806372.1 CHIG|XP\_018157132.1 CHIG|XP\_018162219.1 CVIN|KAF4923265.1 CVYL|A11961 FGRM|XP\_011324055.1 MGRA|XP\_003854554.1 MLAR|XP\_007412921.1 MORY|QBZ55736.1 NCRA|XP\_957806.1 SSCL|APA15085.1

>Orthogroup2210: ANID|CBF70170.1 BCIN|XP\_024553694.1 BGRA|VDB96420.1 CFRU|XP\_031886816.1 CGLO|KAF3801206.1 CHIG|XP\_018162490.1 CVIN|KAF4932037.1 CVYL|A07126 FGRM|XP\_011324105.1 MGRA|XP\_003853892.1 MLAR|XP\_007404056.1 MORY|QBZ55571.1 NCRA|XP\_957245.3 SSCL|APA15083.1

>Orthogroup2211: ANID|CBF70177.1 BCIN|XP\_024547811.1 BGRA|VDB86147.1 CFRU|XP\_031885166.1 CGLO|KAF3800371.1 CHIG|XP\_018162864.1 CVIN|KAF4927797.1 CVYL|A07786 FGRM|XP\_011327043.1 MGRA|XP\_003848453.1 MGRA|XP\_003855737.1 MORY|QBZ61319.1 NCRA|XP\_957316.2 SSCL|APA08106.1

>Orthogroup2212: ANID|CBF70200.1 CFRU|XP\_031879596.1 CFRU|XP\_031880251.1 CGLO|KAF3802775.1 CGLO|KAF3808938.1 CHIG|XP\_018155800.1 CVIN|KAF4912202.1 CVIN|KAF4920766.1 CVYL|A01152 CVYL|A08102 FGRM|XP\_011319590.1 FGRM|XP\_011319686.1 MORY|QBZ66527.1 NCRA|XP\_958749.1

>Orthogroup2213: ANID|CBF70204.1 BCIN|XP\_024546959.1 BGRA|VDB93872.1 BGRA|VDB93873.1 CFRU|XP\_031879450.1 CGLO|KAF3799650.1 CHIG|XP\_018154660.1 CVIN|KAF4922196.1 CVYL|A13513 FGRM|XP\_011315957.1 MGRA|XP\_003849083.1 MLAR|XP\_007409198.1 NCRA|XP\_956120.3 SSCL|APA05992.1

>Orthogroup2214: ANID|CBF70208.1 BCIN|XP\_001552177.1 BGRA|VDB93944.1 CFRU|XP\_031878051.1 CGLO|KAF3799562.1 CHIG|XP\_018154570.1 CVIN|KAF4931851.1 CVYL|A13421 FGRM|XP\_011324894.1 MGRA|XP\_003850173.1 MLAR|XP\_007415705.1 MORY|QBZ61066.1 NCRA|XP\_956500.3 SSCL|APA05596.1

>Orthogroup2215: ANID|CBF70211.1 BCIN|XP\_001559569.1 BGRA|VDB83872.1 CFRU|XP\_031886628.1 CGLO|KAF3798901.1 CHIG|XP\_018158573.1 CVIN|KAF4925598.1 CVYL|A05051 FGRM|XP\_011328433.1 MGRA|XP\_003848482.1 MLAR|XP\_007406633.1 MORY|QBZ60474.1 NCRA|XP\_963772.1 SSCL|APA09583.1

>Orthogroup2216: ANID|CBF70213.1 BCIN|XP\_024548920.1 BGRA|VDB83866.1 CFRU|XP\_031886627.1 CGLO|KAF3798900.1 CHIG|XP\_018158572.1 CVIN|KAF4925570.1 CVYL|A05052 FGRM|XP\_011328432.1 MGRA|XP\_003848493.1 MLAR|XP\_007404755.1 MORY|QBZ60470.1 NCRA|XP\_964195.1 SSCL|APA09582.1

>Orthogroup2217: ANID|CBF70221.1 BCIN|XP\_001551814.1 BGRA|VCU40000.1 CFRU|XP\_031892680.1 CGLO|KAF3809124.1 CHIG|XP\_018155970.1 CVIN|KAF4922085.1 CVYL|A01308 FGRM|XP\_011319196.1 MGRA|XP\_003851784.1 MLAR|XP\_007409965.1 MORY|QBZ61104.1 NCRA|XP\_960786.1 SSCL|APA11950.1

>Orthogroup2218: ANID|CBF70239.1 BCIN|XP\_001545753.1 BGRA|VDB91040.1 CFRU|XP\_031888408.1 CGLO|KAF3803685.1 CHIG|XP\_018163771.1 CVIN|KAF4928533.1 CVYL|A14616 FGRM|XP\_011316032.1 MGRA|XP\_003851720.1 MLAR|XP\_007415367.1 MORY|QBZ54646.1 NCRA|XP\_964488.2 SSCL|APA05479.1

>Orthogroup2219: ANID|CBF70241.1 BCIN|XP\_001545752.1 BGRA|VDB91039.1 CFRU|XP\_031890664.1 CGLO|KAF3804936.1 CHIG|XP\_018164438.1 CVIN|KAF4919429.1 CVYL|A12118 FGRM|XP\_011316886.1 MGRA|XP\_003851582.1 MLAR|XP\_007405013.1 MORY|QBZ54647.1 NCRA|XP\_964487.1 SSCL|APA05480.1

>Orthogroup2220: ANID|CBF70243.1 BCIN|XP\_001549107.1 CFRU|XP\_031882899.1 CGLO|KAF3803432.1 CHIG|XP\_018164099.1 CVIN|KAF4926283.1 CVYL|A14360 FGRM|XP\_011316175.1 MGRA|XP\_003851692.1 MLAR|XP\_007407023.1 MLAR|XP\_007419530.1 MORY|QBZ54604.1 NCRA|XP\_963841.1 SSCL|APA06238.1

>Orthogroup2221: ANID|CBF70251.1 BCIN|XP\_024553700.1 BGRA|VDB93327.1 CFRU|XP\_031877197.1 CGLO|KAF3806427.1 CHIG|XP\_018162312.1 CVIN|KAF4918042.1 CVYL|A12021 FGRM|XP\_011324125.1 MGRA|XP\_003854547.1 MLAR|XP\_007417529.1 MORY|QBZ55739.1 NCRA|XP\_957816.1 SSCL|APA15077.1

>Orthogroup2222: ANID|CBF70253.1 BCIN|XP\_001551174.1 BGRA|VDB93326.1 CFRU|XP\_031877209.1 CGLO|KAF3806423.1 CHIG|XP\_018162308.1 CVIN|KAF4918035.1 CVYL|A12016 FGRM|XP\_011323961.1 MGRA|XP\_003853842.1 MLAR|XP\_007407792.1 MORY|QBZ55744.1 NCRA|XP\_957252.3 SSCL|APA15078.1

>Orthogroup2223: ANID|CBF70265.1 BCIN|XP\_001555076.2 CFRU|XP\_031878203.1 CGLO|KAF3808544.1 CGLO|KAF3808545.1 CHIG|XP\_018161930.1 CVIN|KAF4917638.1 CVYL|A11598 FGRM|XP\_011318510.1 MLAR|XP\_007410062.1 MORY|QBZ59649.1 NCRA|XP\_956990.2 NCRA|XP\_956991.2 SSCL|APA07829.1

>Orthogroup2224: ANID|CBF70267.1 BCIN|XP\_024547873.1 BGRA|VDB85781.1 CFRU|XP\_031877179.1 CHIG|XP\_018162328.1 CVIN|KAF4918043.1 CVYL|A12037 FGRM|XP\_011323958.1 MGRA|XP\_003854350.1 MLAR|XP\_007417007.1 MLAR|XP\_007417008.1 MORY|QBZ61417.1 NCRA|XP\_011393954.1 SSCL|APA08193.1

>Orthogroup2225: ANID|CBF70279.1 BCIN|XP\_001561373.1 BGRA|VDB95099.1 CFRU|XP\_031878113.1 CGLO|KAF3801832.1 CHIG|XP\_018159309.1 CVIN|KAF4907399.1 CVYL|A12874 FGRM|XP\_011320461.1 MGRA|XP\_003854755.1 MLAR|XP\_007411152.1 MORY|QBZ62874.1 NCRA|XP\_960479.1 SSCL|APA06886.1

>Orthogroup2226: ANID|CBF70305.1 BCIN|XP\_024547577.1 BGRA|VDB86208.1 CFRU|XP\_031877226.1 CGLO|KAF3806457.1 CHIG|XP\_018162345.1 CVIN|KAF4897890.1 CVYL|A12056 FGRM|XP\_011323936.1 MGRA|XP\_003855784.1 MLAR|XP\_007409084.1 MORY|QBZ61398.1 NCRA|XP\_956406.1 SSCL|APA07839.1

>Orthogroup2227: ANID|CBF70307.1 BCIN|XP\_001549722.2 BGRA|VDB93115.1 CFRU|XP\_031876563.1 CGLO|KAF3800884.1 CHIG|XP\_018150807.1 CVIN|KAF4911855.1 CVYL|A11122 FGRM|XP\_011324234.1 MGRA|XP\_003852454.1 MLAR|XP\_007405355.1 MORY|QBZ64238.1 NCRA|XP\_962606.1 SSCL|APA13896.1

>Orthogroup2228: ANID|CBF70313.1 BCIN|XP\_024553485.1 BGRA|VCU40122.1 CFRU|XP\_031893263.1 CGLO|KAF3800876.1 CHIG|XP\_018150816.1 CVIN|KAF4915569.1 CVYL|A11114 FGRM|XP\_011324444.1 MGRA|XP\_003852404.1 MLAR|XP\_007417678.1 MORY|QBZ61309.1 NCRA|XP\_962135.1 SSCL|APA13789.1

>Orthogroup2229: ANID|CBF70315.1 BCIN|XP\_001546212.1 BGRA|VCU40136.1 CFRU|XP\_031876589.1 CGLO|KAF3800900.1 CHIG|XP\_018150779.1 CVIN|KAF4907263.1 CVYL|A12439 FGRM|XP\_011324476.1 MGRA|XP\_003853249.1 MLAR|XP\_007411999.1 MORY|QBZ64277.1 NCRA|XP\_962599.1 SSCL|APA13795.1

>Orthogroup2230: ANID|CBF70350.1 ANID|CBF79532.1 CFRU|XP\_031876809.1 CFRU|XP\_031878130.1 CGLO|KAF3797960.1 CGLO|KAF3801878.1 CHIG|XP\_018158011.1 CVIN|KAF4913599.1 CVIN|KAF4914922.1 CVYL|A02320 CVYL|A11238 FGRM|XP\_011322987.1 MGRA|XP\_003850427.1 MORY|QBZ65189.1

>Orthogroup2231: ANID|CBF70364.1 BCIN|XP\_001545853.1 BGRA|VCU40184.1 CFRU|XP\_031886020.1 CGLO|KAF3806572.1 CHIG|XP\_018157611.1 CVIN|KAF4920454.1 CVYL|A09295 FGRM|XP\_011328120.1 MGRA|XP\_003852349.1 MLAR|XP\_007410381.1 MORY|QBZ56369.1 NCRA|XP\_957458.2 SSCL|APA05502.1

>Orthogroup2232: ANID|CBF70372.1 BCIN|XP\_024550006.1 BCIN|XP\_024550007.1 BGRA|VCU39312.1 CFRU|XP\_031885438.1 CGLO|KAF3798659.1 CHIG|XP\_018157501.1 CVIN|KAF4919456.1 CVYL|A09397 FGRM|XP\_011323619.1 MLAR|XP\_007418225.1 MORY|QBZ64514.1 NCRA|XP\_961754.1 SSCL|APA05337.1

>Orthogroup2233: ANID|CBF70374.1 BCIN|XP\_001553016.1 BGRA|VDB84414.1 CFRU|XP\_031891326.1 CGLO|KAF3797638.1 CHIG|XP\_018157430.1 CVIN|KAF4893857.1 CVYL|A11029 FGRM|XP\_011323033.1 MGRA|XP\_003854586.1 MLAR|XP\_007410791.1 MORY|QBZ66384.1 NCRA|XP\_965488.1 SSCL|APA11238.1

>Orthogroup2234: ANID|CBF70389.1 BCIN|XP\_024546326.1 BGRA|VDB90692.1 CFRU|XP\_031888450.1 CHIG|XP\_018164009.1 CVIN|KAF4926323.1 CVYL|A14407 FGRM|XP\_011316991.1 MGRA|XP\_003852520.1 MLAR|XP\_007406369.1 MLAR|XP\_007407827.1 MORY|QBZ63533.1 NCRA|XP\_965450.1 SSCL|APA06897.1

>Orthogroup2235: ANID|CBF70399.1 BCIN|XP\_024547032.1 BGRA|VDB93718.1 CFRU|XP\_031888539.1 CGLO|KAF3803753.1 CHIG|XP\_018153176.1 CVIN|KAF4912468.1 CVYL|A14133 FGRM|XP\_011316827.1 MGRA|XP\_003856486.1 MLAR|XP\_007415588.1 MORY|QBZ59788.1 NCRA|XP\_965644.1 SSCL|APA05917.1

>Orthogroup2236: ANID|CBF70403.1 BCIN|XP\_001556462.1 BGRA|VDB92955.1 CFRU|XP\_031888395.1 CGLO|KAF3803700.1 CHIG|XP\_018163751.1 CVIN|KAF4928576.1 CVYL|A14632 FGRM|XP\_011326807.1 MGRA|XP\_003851147.1 MLAR|XP\_007407009.1 MORY|QBZ54617.1 NCRA|XP\_963878.1 SSCL|APA06545.1

>Orthogroup2237: ANID|CBF70405.1 BCIN|XP\_001556463.1 BGRA|VDB92957.1 CFRU|XP\_031888583.1 CGLO|KAF3803699.1 CHIG|XP\_018163752.1 CVIN|KAF4928575.1 CVYL|A14631 FGRM|XP\_011326806.1 MGRA|XP\_003851262.1 MLAR|XP\_007408814.1 MORY|QBZ54615.1 NCRA|XP\_963877.1 SSCL|APA06544.1

>Orthogroup2238: ANID|CBF70422.1 BCIN|XP\_024546753.1 BGRA|VDB95170.1 CFRU|XP\_031879139.1 CGLO|KAF3807079.1 CHIG|XP\_018159736.1 CVIN|KAF4919045.1 CVYL|A06373 FGRM|XP\_011320682.1 MGRA|XP\_003855774.1 MLAR|XP\_007415463.1 MORY|QBZ63985.1 NCRA|XP\_960570.2 SSCL|APA06396.1

>Orthogroup2239: ANID|CBF70424.1 BCIN|XP\_024552044.1 BGRA|VDB92805.1 CFRU|XP\_031887695.1 CGLO|KAF3803218.1 CHIG|XP\_018161063.1 CVIN|KAF4928718.1 CVYL|A03648 FGRM|XP\_011324205.1 MGRA|XP\_003853144.1 MLAR|XP\_007414698.1 MORY|QBZ64605.1 NCRA|XP\_961833.1 SSCL|APA12823.1

>Orthogroup2240: ANID|CBF70428.1 BCIN|XP\_001557855.1 BGRA|VDB92803.1 CFRU|XP\_031887704.1 CGLO|KAF3803216.1 CHIG|XP\_018161061.1 CVIN|KAF4928724.1 CVYL|A03646 FGRM|XP\_011324203.1 MGRA|XP\_003852316.1 MLAR|XP\_007411639.1 MORY|QBZ64607.1 NCRA|XP\_961835.1 SSCL|APA12825.1

>Orthogroup2241: ANID|CBF70443.1 BCIN|XP\_024553487.1 BGRA|VCU40145.1 CFRU|XP\_031893264.1 CGLO|KAF3800877.1 CHIG|XP\_018150815.1 CVYL|A11115 FGRM|XP\_011324446.1 MGRA|XP\_003852403.1 MLAR|XP\_007405182.1 MLAR|XP\_007406704.1 MORY|QBZ61171.1 NCRA|XP\_962134.3 SSCL|APA13790.1

>Orthogroup2242: ANID|CBF70445.1 BCIN|XP\_024553558.1 BGRA|VDB93123.1 CFRU|XP\_031893265.1 CGLO|KAF3800874.1 CHIG|XP\_018150820.1 CVIN|KAF4915594.1 CVYL|A11112 FGRM|XP\_011324445.1 MGRA|XP\_003852629.1 MLAR|XP\_007408733.1 MORY|QBZ54775.1 NCRA|XP\_962477.2 SSCL|APA13899.1

>Orthogroup2243: ANID|CBF70449.1 BCIN|XP\_001554935.1 BGRA|VCU39330.1 CFRU|XP\_031885342.1 CGLO|KAF3806521.1 CHIG|XP\_018157558.1 CVIN|KAF4921331.1 CVYL|A09349 FGRM|XP\_011324812.1 MGRA|XP\_003852340.1 MLAR|XP\_007410260.1 MORY|QBZ58923.1 NCRA|XP\_962378.2 SSCL|APA08363.1

>Orthogroup2244: ANID|CBF70472.1 BCIN|XP\_024547888.1 BGRA|VDB84454.1 CFRU|XP\_031891379.1 CGLO|KAF3804714.1 CHIG|XP\_018161801.1 CVIN|KAF4923377.1 CVYL|A05408 FGRM|XP\_011321495.1 MGRA|XP\_003855745.1 MLAR|XP\_007416339.1 MORY|QBZ59672.1 NCRA|XP\_964828.1 SSCL|APA08210.1

>Orthogroup2245: ANID|CBF70480.1 BCIN|XP\_024547887.1 BGRA|VDB84452.1 BGRA|VDB84453.1 CFRU|XP\_031891386.1 CHIG|XP\_018161797.1 CVIN|KAF4923373.1 CVYL|A05404 FGRM|XP\_011321492.1 MGRA|XP\_003855505.1 MLAR|XP\_007404173.1 MORY|QBZ59657.1 NCRA|XP\_011393855.1 SSCL|APA08209.1

>Orthogroup2246: ANID|CBF70493.1 BCIN|XP\_001555077.2 BGRA|VDB86166.1 CFRU|XP\_031878230.1 CGLO|KAF3808543.1 CHIG|XP\_018161931.1 CVIN|KAF4917639.1 CVYL|A11599 FGRM|XP\_011318509.1 MGRA|XP\_003855782.1 MLAR|XP\_007407064.1 MORY|QBZ59648.1 NCRA|XP\_962883.1 SSCL|APA07830.1

>Orthogroup2247: ANID|CBF70499.1 BCIN|XP\_024552137.1 BGRA|VDB92808.1 CFRU|XP\_031887543.1 CGLO|KAF3803291.1 CHIG|XP\_018161141.1 CVIN|KAF4928693.1 CVYL|A03726 FGRM|XP\_011327966.1 MGRA|XP\_003852263.1 MLAR|XP\_007404083.1 MORY|QBZ64563.1 NCRA|XP\_961891.3 SSCL|APA12970.1

>Orthogroup2248: ANID|CBF70501.1 BCIN|XP\_024552138.1 BGRA|VDB92822.1 CFRU|XP\_031887540.1 CGLO|KAF3803292.1 CHIG|XP\_018161142.1 CVIN|KAF4928694.1 CVYL|A03727 FGRM|XP\_011327967.1 MGRA|XP\_003852546.1 MLAR|XP\_007407879.1 MORY|QBZ64564.1 NCRA|XP\_961892.2 SSCL|APA12971.1

>Orthogroup2249: ANID|CBF70524.1 ANID|CBF80562.1 BCIN|XP\_001555956.1 CFRU|XP\_031887998.1 CGLO|KAF3802073.1 CHIG|XP\_018163226.1 CVIN|KAF4917989.1 CVYL|A03313 FGRM|XP\_011320961.1 MGRA|XP\_003848620.1 MGRA|XP\_003850326.1 MORY|QBZ57547.1 MORY|QBZ61721.1 SSCL|APA05928.1

>Orthogroup2250: ANID|CBF70539.1 BCIN|XP\_001553328.1 BGRA|VDB85759.1 CFRU|XP\_031877195.1 CGLO|KAF3806439.1 CHIG|XP\_018162327.1 CVIN|KAF4918063.1 CVYL|A12036 FGRM|XP\_011323957.1 MGRA|XP\_003854330.1 MLAR|XP\_007410482.1 MORY|QBZ61416.1 NCRA|XP\_963131.2 SSCL|APA15173.1

>Orthogroup2251: ANID|CBF70577.1 BCIN|XP\_001560887.1 BGRA|VDB84361.1 CFRU|XP\_031886528.1 CGLO|KAF3800262.1 CHIG|XP\_018162748.1 CVIN|KAF4927565.1 CVYL|A06975 FGRM|XP\_011327030.1 MGRA|XP\_003853902.1 MLAR|XP\_007406808.1 MORY|QBZ61571.1 NCRA|XP\_957339.1 SSCL|APA08101.1

>Orthogroup2252: ANID|CBF70579.1 BCIN|XP\_001560888.1 BGRA|VDB84360.1 CFRU|XP\_031886525.1 CGLO|KAF3800261.1 CHIG|XP\_018162747.1 CVIN|KAF4927568.1 CVYL|A06977 FGRM|XP\_011327031.1 MGRA|XP\_003854364.1 MLAR|XP\_007410012.1 MORY|QBZ61570.1 NCRA|XP\_957338.1 SSCL|APA08102.1

>Orthogroup2253: ANID|CBF70588.1 BCIN|XP\_001560890.1 BGRA|VDB84431.1 CFRU|XP\_031886526.1 CGLO|KAF3800260.1 CHIG|XP\_018162746.1 CVIN|KAF4927567.1 CVYL|A06978 FGRM|XP\_011327032.1 MGRA|XP\_003854664.1 MLAR|XP\_007410572.1 MORY|QBZ61569.1 NCRA|XP\_957337.1 SSCL|APA08103.1

>Orthogroup2254: ANID|CBF70590.1 BCIN|XP\_024553432.1 BGRA|VDB89619.1 BGRA|VDB89650.1 CFRU|XP\_031876577.1 CHIG|XP\_018150798.1 CVIN|KAF4911847.1 CVYL|A11125 FGRM|XP\_011328027.1 MGRA|XP\_003852344.1 MLAR|XP\_007408390.1 MORY|QBZ64053.1 NCRA|XP\_961804.1 SSCL|APA13900.1

>Orthogroup2255: ANID|CBF70594.1 CFRU|XP\_031883003.1 CFRU|XP\_031886050.1 CGLO|KAF3806602.1 CGLO|KAF3808196.1 CHIG|XP\_018153981.1 CVIN|KAF4916900.1 CVIN|KAF4924289.1 CVYL|A00547 CVYL|A09264 FGRM|XP\_011320779.1 MGRA|XP\_003852580.1 MORY|QBZ59930.1 NCRA|XP\_001728538.1

>Orthogroup2256: ANID|CBF70596.1 BCIN|XP\_001546783.1 BGRA|VCU40127.1 CFRU|XP\_031893383.1 CGLO|KAF3800846.1 CHIG|XP\_018150852.1 CVIN|KAF4915590.1 CVYL|A11085 FGRM|XP\_011328034.1 MGRA|XP\_003852539.1 MLAR|XP\_007417297.1 MORY|QBZ56854.1 NCRA|XP\_001728535.2 SSCL|APA13864.1

>Orthogroup2257: ANID|CBF70599.1 BCIN|XP\_024547974.1 BGRA|VCU39372.1 CFRU|XP\_031885345.1 CGLO|KAF3806518.1 CHIG|XP\_018157555.1 CVIN|KAF4921334.1 CVYL|A09352 FGRM|XP\_011327983.1 MGRA|XP\_003852588.1 MLAR|XP\_007416801.1 MORY|QBZ58925.1 NCRA|XP\_962380.1 SSCL|APA08365.1

>Orthogroup2258: ANID|CBF70605.1 BCIN|XP\_001546799.1 BGRA|VCU40114.1 CFRU|XP\_031878682.1 CGLO|KAF3803835.1 CHIG|XP\_018151095.1 CVIN|KAF4888648.1 CVYL|A08965 FGRM|XP\_011323758.1 MGRA|XP\_003847973.1 MLAR|XP\_007415866.1 MORY|QBZ64230.1 NCRA|XP\_011394164.1 SSCL|APA13855.1

>Orthogroup2259: ANID|CBF70609.1 BCIN|XP\_024550012.1 BGRA|VDB83693.1 CFRU|XP\_031887711.1 CGLO|KAF3811650.1 CHIG|XP\_018160963.1 CVIN|KAF4921440.1 CVYL|A03510 FGRM|XP\_011323601.1 MGRA|XP\_003853244.1 MLAR|XP\_007405787.1 MORY|QBZ57184.1 NCRA|XP\_962321.1 SSCL|APA05344.1

>Orthogroup2260: ANID|CBF70624.1 BCIN|XP\_024549846.1 BGRA|VCU39314.1 CFRU|XP\_031887692.1 CGLO|KAF3807144.1 CHIG|XP\_018160965.1 CVIN|KAF4920164.1 CVYL|A03544 FGRM|XP\_011324877.1 MGRA|XP\_003852283.1 MLAR|XP\_007410078.1 MORY|QBZ56305.1 NCRA|XP\_962530.3 SSCL|APA05495.1

>Orthogroup2261: ANID|CBF70629.1 BCIN|XP\_001545547.1 BGRA|VDB83723.1 CFRU|XP\_031876730.1 CGLO|KAF3798677.1 CHIG|XP\_018157478.1 CVIN|KAF4918497.1 CVYL|A09416 FGRM|XP\_011324826.1 MGRA|XP\_003852287.1 MLAR|XP\_007404072.1 MORY|QBZ56512.1 NCRA|XP\_011394090.1 SSCL|APA13612.1

>Orthogroup2262: ANID|CBF70631.1 BCIN|XP\_024553237.1 BGRA|VDB94455.1 CFRU|XP\_031886201.1 CGLO|KAF3806581.1 CHIG|XP\_018157620.1 CVIN|KAF4920464.1 CVYL|A09287 FGRM|XP\_011328127.1 MGRA|XP\_003852524.1 MLAR|XP\_007403548.1 MORY|QBZ56376.1 NCRA|XP\_001728541.1 SSCL|APA13611.1

>Orthogroup2263: ANID|CBF70635.1 BCIN|XP\_001547723.2 BGRA|VCU40531.1 CFRU|XP\_031886019.1 CGLO|KAF3806574.1 CHIG|XP\_018157612.1 CVIN|KAF4920462.1 CVYL|A09294 FGRM|XP\_011328121.1 MGRA|XP\_003852586.1 MLAR|XP\_007414759.1 MORY|QBZ56370.1 NCRA|XP\_957462.1 SSCL|APA05372.1

>Orthogroup2264: ANID|CBF70640.1 BCIN|XP\_001551452.1 BGRA|VCU39534.1 CFRU|XP\_031880590.1 CGLO|KAF3811548.1 CHIG|XP\_018160808.1 CVIN|KAF4926780.1 CVYL|A04760 FGRM|XP\_011324799.1 MGRA|XP\_003852464.1 MLAR|XP\_007403788.1 MORY|QBZ57226.1 NCRA|XP\_962061.1 SSCL|APA06178.1

>Orthogroup2265: ANID|CBF70642.1 BCIN|XP\_024550019.1 BGRA|VDB83672.1 CFRU|XP\_031885300.1 CGLO|KAF3806496.1 CHIG|XP\_018157532.1 CVIN|KAF4919437.1 CVYL|A09373 FGRM|XP\_011328139.1 MGRA|XP\_003852471.1 MLAR|XP\_007408404.1 MORY|QBZ56568.1 NCRA|XP\_961729.1 SSCL|APA05353.1

>Orthogroup2266: ANID|CBF70647.1 BCIN|XP\_001558323.1 BGRA|VDB88075.1 CFRU|XP\_031886205.1 CGLO|KAF3806578.1 CHIG|XP\_018157616.1 CVIN|KAF4920467.1 CVYL|A09290 FGRM|XP\_011328124.1 MGRA|XP\_003852628.1 MLAR|XP\_007410614.1 MORY|QBZ56373.1 NCRA|XP\_957464.1 SSCL|APA13703.1

>Orthogroup2267: ANID|CBF70650.1 ANID|CBF88256.1 BCIN|XP\_001557898.1 CFRU|XP\_031880636.1 CGLO|KAF3809957.1 CHIG|XP\_018161541.1 CVIN|KAF4914178.1 CVYL|A01666 FGRM|XP\_011321379.1 MGRA|XP\_003848842.1 MLAR|XP\_007408145.1 MORY|QBZ65204.1 NCRA|XP\_958712.1 SSCL|APA12776.1

>Orthogroup2268: ANID|CBF70657.1 BCIN|XP\_001545709.1 BGRA|VDB83643.1 CFRU|XP\_031880518.1 CGLO|KAF3811534.1 CHIG|XP\_018160793.1 CVIN|KAF4926769.1 CVYL|A04744 FGRM|XP\_011324846.1 MGRA|XP\_003852221.1 MLAR|XP\_007411552.1 MORY|QBZ58763.1 NCRA|XP\_962180.1 SSCL|APA05369.1

>Orthogroup2269: ANID|CBF70666.1 BCIN|XP\_001547757.1 BGRA|VCU40108.1 CFRU|XP\_031880498.1 CGLO|KAF3811553.1 CHIG|XP\_018160813.1 CVIN|KAF4926787.1 CVYL|A04766 FGRM|XP\_011324792.1 MGRA|XP\_003848922.1 MLAR|XP\_007417225.1 MORY|QBZ57218.1 NCRA|XP\_962066.1 SSCL|APA05351.1

>Orthogroup2270: ANID|CBF70674.1 BCIN|XP\_001549744.2 BGRA|VCU40135.1 CFRU|XP\_031876552.1 CGLO|KAF3811497.1 CHIG|XP\_018160751.1 CVIN|KAF4926749.1 CVYL|A04702 FGRM|XP\_011317793.1 MGRA|XP\_003849019.1 MLAR|XP\_007415673.1 MORY|QBZ56322.1 NCRA|XP\_011394345.1 SSCL|APA13874.1

>Orthogroup2271: ANID|CBF70681.1 BCIN|XP\_024549665.1 BGRA|VCU40091.1 CFRU|XP\_031880566.1 CGLO|KAF3811547.1 CHIG|XP\_018160807.1 CVIN|KAF4926779.1 CVYL|A04759 FGRM|XP\_011324800.1 MGRA|XP\_003852558.1 MLAR|XP\_007416180.1 MORY|QBZ57227.1 NCRA|XP\_962060.3 SSCL|APA06179.1

>Orthogroup2272: ANID|CBF70700.1 BCIN|XP\_001552935.1 BGRA|VDB90990.1 CFRU|XP\_031888403.1 CGLO|KAF3803687.1 CHIG|XP\_018163766.1 CVIN|KAF4928536.1 CVYL|A14618 FGRM|XP\_011316033.1 MGRA|XP\_003851792.1 MLAR|XP\_007418934.1 MORY|QBZ54645.1 NCRA|XP\_964489.1 SSCL|APA05429.1

>Orthogroup2273: ANID|CBF70730.1 ANID|CBF78288.1 BCIN|XP\_001556185.1 BCIN|XP\_001560865.1 BCIN|XP\_024553088.1 CFRU|XP\_031883865.1 CGLO|KAF3805173.1 CVIN|KAF4927472.1 FGRM|XP\_011321398.1 FGRM|XP\_011322942.1 FGRM|XP\_011324342.1 MGRA|XP\_003852812.1 MORY|QBZ59827.1 MORY|QBZ61246.1

>Orthogroup2274: ANID|CBF70764.1 ANID|CBF80506.1 BCIN|XP\_001551707.2 CFRU|XP\_031892555.1 CGLO|KAF3809115.1 CHIG|XP\_018155934.1 CVIN|KAF4922100.1 CVYL|A01299 FGRM|XP\_011319141.1 MGRA|XP\_003851872.1 MLAR|XP\_007413921.1 MORY|QBZ58983.1 NCRA|XP\_961330.1 SSCL|APA11616.1

>Orthogroup2275: ANID|CBF70776.1 BCIN|XP\_001557924.1 BGRA|VDB92782.1 CFRU|XP\_031889148.1 CGLO|KAF3797678.1 CHIG|XP\_018155455.1 CVIN|KAF4919390.1 CVYL|A01092 FGRM|XP\_011323895.1 MGRA|XP\_003855779.1 MLAR|XP\_007417972.1 MORY|QBZ64486.1 NCRA|XP\_011395004.1 SSCL|APA12652.1

>Orthogroup2276: ANID|CBF70787.1 BCIN|XP\_001545640.2 BGRA|VDB93621.1 CFRU|XP\_031886620.1 CGLO|KAF3801230.1 CHIG|XP\_018162612.1 CVIN|KAF4932135.1 CVYL|A07100 FGRM|XP\_011326638.1 MGRA|XP\_003852325.1 MLAR|XP\_007409359.1 MORY|QBZ62825.1 NCRA|XP\_957230.2 SSCL|APA15091.1

>Orthogroup2277: ANID|CBF70789.1 BCIN|XP\_024553701.1 BGRA|VDB93588.1 CFRU|XP\_031886619.1 CGLO|KAF3801231.1 CHIG|XP\_018162613.1 CVIN|KAF4932134.1 CVYL|A07099 FGRM|XP\_011326637.1 MGRA|XP\_003852174.1 MLAR|XP\_007416245.1 MORY|QBZ62826.1 NCRA|XP\_957231.3 SSCL|APA15092.1

>Orthogroup2278: ANID|CBF70806.1 ANID|CBF75132.1 ANID|CBF79092.1 BCIN|XP\_024546024.1 CFRU|XP\_031885538.1 CGLO|KAF3798665.1 CHIG|XP\_018157496.1 CVIN|KAF4919451.1 CVYL|A09404 FGRM|XP\_011323554.1 MGRA|XP\_003851542.1 MORY|QBZ56577.1 NCRA|XP\_011394266.1 SSCL|APA07305.1

>Orthogroup2279: ANID|CBF70817.1 BCIN|XP\_001554379.1 BGRA|VDB93340.1 CFRU|XP\_031876390.1 CGLO|KAF3797780.1 CHIG|XP\_018156451.1 CVIN|KAF4923169.1 CVYL|A03002 FGRM|XP\_011318764.1 MGRA|XP\_003851390.1 MLAR|XP\_007408150.1 MORY|QBZ63505.1 NCRA|XP\_956577.2 SSCL|APA12372.1

>Orthogroup2280: ANID|CBF70821.1 BCIN|XP\_001550923.1 BGRA|VDB93338.1 CFRU|XP\_031876404.1 CGLO|KAF3797777.1 CHIG|XP\_018156448.1 CVIN|KAF4918812.1 CVYL|A02999 FGRM|XP\_011318767.1 MGRA|XP\_003851503.1 MLAR|XP\_007409754.1 MORY|QBZ63511.1 NCRA|XP\_956574.1 SSCL|APA12378.1

>Orthogroup2281: ANID|CBF70827.1 BCIN|XP\_001548141.1 BGRA|VCU40942.1 CFRU|XP\_031887448.1 CGLO|KAF3809193.1 CHIG|XP\_018156017.1 CVIN|KAF4925299.1 CVYL|A01382 FGRM|XP\_011319113.1 MGRA|XP\_003851556.1 MLAR|XP\_007407013.1 MORY|QBZ62562.1 NCRA|XP\_960831.2 SSCL|APA12750.1

>Orthogroup2282: ANID|CBF70845.1 BCIN|XP\_024547837.1 BGRA|VCU38809.1 CFRU|XP\_031877745.1 CGLO|KAF3796943.1 CHIG|XP\_018162390.1 CVIN|KAF4911635.1 CVYL|A07322 FGRM|XP\_011318554.1 MGRA|XP\_003849904.1 MLAR|XP\_007416635.1 MORY|QBZ62837.1 NCRA|XP\_957241.2 SSCL|APA08146.1

>Orthogroup2283: ANID|CBF70850.1 BCIN|XP\_024554010.1 BGRA|VDB84426.1 CFRU|XP\_031877763.1 CGLO|KAF3810674.1 CHIG|XP\_018162431.1 CVIN|KAF4916943.1 CVYL|A07285 FGRM|XP\_011318442.1 MGRA|XP\_003850511.1 MLAR|XP\_007410931.1 MORY|QBZ55711.1 NCRA|XP\_962931.3 SSCL|APA15371.1

>Orthogroup2284: ANID|CBF70856.1 BCIN|XP\_001550836.1 BGRA|VDB84321.1 CFRU|XP\_031877777.1 CGLO|KAF3810671.1 CHIG|XP\_018162428.1 CVIN|KAF4916954.1 CVYL|A07290 FGRM|XP\_011318438.1 MGRA|XP\_003850072.1 MLAR|XP\_007403819.1 MORY|QBZ55708.1 NCRA|XP\_962928.3 SSCL|APA15337.1

>Orthogroup2285: ANID|CBF70867.1 BCIN|XP\_024553973.1 BGRA|VDB84437.1 CFRU|XP\_031886956.1 CGLO|KAF3811246.1 CHIG|XP\_018160471.1 CVIN|KAF4931245.1 CVYL|A04416 FGRM|XP\_011327096.1 MGRA|XP\_003850487.1 MLAR|XP\_007410349.1 MORY|QBZ64765.1 NCRA|XP\_961140.1 SSCL|APA15408.1

>Orthogroup2286: ANID|CBF70878.1 BCIN|XP\_024553979.1 BGRA|VDB84359.1 CFRU|XP\_031880706.1 CGLO|KAF3811204.1 CHIG|XP\_018160445.1 CVIN|KAF4931176.1 CVYL|A04370 FGRM|XP\_011327079.1 MGRA|XP\_003849916.1 MLAR|XP\_007410762.1 MORY|QBZ64768.1 NCRA|XP\_011394632.1 SSCL|APA15412.1

>Orthogroup2287: ANID|CBF70884.1 BCIN|XP\_001549190.1 BGRA|VDB84357.1 CFRU|XP\_031887007.1 CGLO|KAF3811233.1 CHIG|XP\_018160456.1 CVIN|KAF4931189.1 CVYL|A04433 FGRM|XP\_011327081.1 MGRA|XP\_003848902.1 MLAR|XP\_007416043.1 MORY|QBZ63415.1 NCRA|XP\_961545.1 SSCL|APA15415.1

>Orthogroup2288: ANID|CBF70887.1 BCIN|XP\_001553356.1 BGRA|VDB84434.1 CFRU|XP\_031886880.1 CGLO|KAF3811241.1 CHIG|XP\_018160464.1 CVIN|KAF4931171.1 CVYL|A04424 FGRM|XP\_011327089.1 MGRA|XP\_003855629.1 MLAR|XP\_007405277.1 MORY|QBZ64760.1 NCRA|XP\_961136.1 SSCL|APA15152.1

>Orthogroup2289: ANID|CBF70889.1 BCIN|XP\_001553355.1 BGRA|VDB84433.1 CFRU|XP\_031882182.1 CGLO|KAF3804426.1 CHIG|XP\_018160248.1 CVIN|KAF4930883.1 CVYL|A04132 FGRM|XP\_011326883.1 MGRA|XP\_003854875.1 MLAR|XP\_007416073.1 MORY|QBZ59056.1 NCRA|XP\_960859.1 SSCL|APA15153.1

>Orthogroup2290: ANID|CBF70899.1 BCIN|XP\_001560643.1 BGRA|VDB86042.1 CFRU|XP\_031887049.1 CGLO|KAF3811262.1 CHIG|XP\_018160483.1 CVIN|KAF4931279.1 CVYL|A04401 FGRM|XP\_011326926.1 MGRA|XP\_003848854.1 MLAR|XP\_007411710.1 MORY|QBZ58101.1 NCRA|XP\_001728317.2 SSCL|APA07945.1

>Orthogroup2291: ANID|CBF70905.1 BCIN|XP\_024547663.1 BGRA|VDB85968.1 CFRU|XP\_031891162.1 CGLO|KAF3804492.1 CHIG|XP\_018160320.1 CVIN|KAF4930972.1 CVYL|A04206 FGRM|XP\_011324752.1 MGRA|XP\_003855384.1 MLAR|XP\_007407970.1 MORY|QBZ64687.1 NCRA|XP\_961204.3 SSCL|APA07736.1

>Orthogroup2292: ANID|CBF70910.1 BCIN|XP\_024554059.1 BGRA|VDB93848.1 CFRU|XP\_031880751.1 CGLO|KAF3811174.1 CHIG|XP\_018159498.1 CVIN|KAF4931285.1 CVYL|A04337 FGRM|XP\_011323731.1 MGRA|XP\_003848949.1 MLAR|XP\_007408458.1 MORY|QBZ64660.1 NCRA|XP\_961305.2 SSCL|APA15359.1

>Orthogroup2293: ANID|CBF70912.1 BCIN|XP\_024554029.1 BGRA|VDB84261.1 CFRU|XP\_031880742.1 CGLO|KAF3811169.1 CHIG|XP\_018159490.1 CVIN|KAF4931232.1 CVYL|A04331 FGRM|XP\_011323728.1 MGRA|XP\_003848951.1 MLAR|XP\_007407268.1 MORY|QBZ64667.1 NCRA|XP\_955991.1 SSCL|APA15343.1

>Orthogroup2294: ANID|CBF70925.1 BCIN|XP\_001560657.1 BGRA|VDB86244.1 CFRU|XP\_031877795.1 CGLO|KAF3810648.1 CHIG|XP\_018162401.1 CVIN|KAF4911628.1 CVYL|A07311 MGRA|XP\_003850448.1 MLAR|XP\_007412294.1 MLAR|XP\_007419659.1 MORY|QBZ55731.1 NCRA|XP\_963006.2 SSCL|APA07952.1

>Orthogroup2295: ANID|CBF70931.1 BCIN|XP\_024553763.1 CFRU|XP\_031880662.1 CGLO|KAF3811177.1 CGLO|KAF3811178.1 CHIG|XP\_018159501.1 CVIN|KAF4931290.1 CVYL|A04339 FGRM|XP\_011324887.1 MGRA|XP\_003855664.1 MLAR|XP\_007408187.1 MORY|QBZ64673.1 NCRA|XP\_960895.1 SSCL|APA15134.1

>Orthogroup2296: ANID|CBF70937.1 BCIN|XP\_001560641.1 BGRA|VDB86036.1 CFRU|XP\_031886919.1 CGLO|KAF3811274.1 CHIG|XP\_018160498.1 CVIN|KAF4927261.1 CVYL|A04460 FGRM|XP\_011324717.1 MGRA|XP\_003850107.1 MLAR|XP\_007409891.1 MORY|QBZ58103.1 NCRA|XP\_961386.1 SSCL|APA07943.1

>Orthogroup2297: ANID|CBF70954.1 BCIN|XP\_001553370.1 BGRA|VDB84352.1 CFRU|XP\_031886876.1 CGLO|KAF3811237.1 CHIG|XP\_018160460.1 CVIN|KAF4931163.1 CVYL|A04428 FGRM|XP\_011327085.1 MGRA|XP\_003848876.1 MLAR|XP\_007416664.1 MORY|QBZ64756.1 NCRA|XP\_960730.1 SSCL|APA15140.1

>Orthogroup2298: ANID|CBF70956.1 BCIN|XP\_001553373.1 BGRA|VDB84301.1 CFRU|XP\_031887105.1 CGLO|KAF3811205.1 CHIG|XP\_018160444.1 CVIN|KAF4931173.1 CVYL|A04371 FGRM|XP\_011327070.1 MGRA|XP\_003855476.1 MLAR|XP\_007407918.1 MORY|QBZ64770.1 NCRA|XP\_961148.2 SSCL|APA15143.1

>Orthogroup2299: ANID|CBF70962.1 BCIN|XP\_001553344.2 BGRA|VDB85714.1 CFRU|XP\_031880664.1 CGLO|KAF3811181.1 CHIG|XP\_018159504.1 CVIN|KAF4931293.1 CVYL|A04344 FGRM|XP\_011323733.1 MGRA|XP\_003855477.1 MLAR|XP\_007409786.1 MORY|QBZ64676.1 NCRA|XP\_960892.1 SSCL|APA15161.1

>Orthogroup2300: ANID|CBF70966.1 BCIN|XP\_024553846.1 BGRA|VDB84340.1 CFRU|XP\_031880733.1 CGLO|KAF3811164.1 CHIG|XP\_018159484.1 CVIN|KAF4931226.1 CVYL|A04325 FGRM|XP\_011324724.1 MGRA|XP\_003848924.1 MLAR|XP\_007416614.1 MORY|QBZ64692.1 NCRA|XP\_961198.1 SSCL|APA15226.1

>Orthogroup2301: ANID|CBF70994.1 BCIN|XP\_001560911.2 BGRA|VDB86204.1 CFRU|XP\_031886860.1 CGLO|KAF3811406.1 CHIG|XP\_018160644.1 CVIN|KAF4919717.1 CVYL|A04601 FGRM|XP\_011327170.1 MGRA|XP\_003855313.1 MLAR|XP\_007409262.1 MORY|QBZ54276.1 NCRA|XP\_961216.2 SSCL|APA08113.1

>Orthogroup2302: ANID|CBF71004.1 BCIN|XP\_001555373.1 BGRA|VDB86210.1 CFRU|XP\_031886995.1 CGLO|KAF3811410.1 CHIG|XP\_018160649.1 CVIN|KAF4919711.1 CVYL|A04606 FGRM|XP\_011327175.1 MGRA|XP\_003849995.1 MLAR|XP\_007404946.1 MORY|QBZ54268.1 NCRA|XP\_011394607.1 SSCL|APA08118.1

>Orthogroup2303: ANID|CBF71006.1 BCIN|XP\_001555374.1 BGRA|VDB86218.1 CFRU|XP\_031886998.1 CGLO|KAF3811411.1 CHIG|XP\_018160650.1 CVIN|KAF4919715.1 CVYL|A04607 FGRM|XP\_011327176.1 MGRA|XP\_003850113.1 MLAR|XP\_007404972.1 MORY|QBZ54267.1 NCRA|XP\_960596.1 SSCL|APA08120.1

>Orthogroup2304: ANID|CBF71015.1 BCIN|XP\_001556976.1 BGRA|VDB87639.1 CFRU|XP\_031885075.1 CGLO|KAF3800337.1 CHIG|XP\_018162823.1 CVIN|KAF4918873.1 CVYL|A07353 FGRM|XP\_011326417.1 MGRA|XP\_003850163.1 MLAR|XP\_007417563.1 MORY|QBZ63235.1 NCRA|XP\_959056.1 SSCL|APA10576.1

>Orthogroup2305: ANID|CBF71017.1 BCIN|XP\_001556978.1 BGRA|VDB87641.1 CFRU|XP\_031885189.1 CGLO|KAF3800335.1 CHIG|XP\_018162821.1 CVIN|KAF4918871.1 CVYL|A07331 FGRM|XP\_011326419.1 MGRA|XP\_003850023.1 MLAR|XP\_007403570.1 MORY|QBZ63233.1 NCRA|XP\_959058.1 SSCL|APA10578.1

>Orthogroup2306: ANID|CBF71040.1 BCIN|XP\_001551858.1 BGRA|VDB84334.1 CFRU|XP\_031880729.1 CGLO|KAF3811161.1 CHIG|XP\_018159480.1 CVIN|KAF4931268.1 CVYL|A04321 FGRM|XP\_011324726.1 MGRA|XP\_003855155.1 MLAR|XP\_007405419.1 MORY|QBZ64689.1 NCRA|XP\_961196.1 SSCL|APA15229.1

>Orthogroup2307: ANID|CBF71055.1 ANID|CBF78593.1 BCIN|XP\_024547934.1 BGRA|VDB86200.1 CFRU|XP\_031886881.1 CGLO|KAF3811240.1 CHIG|XP\_018160463.1 CVIN|KAF4931170.1 CVYL|A04425 FGRM|XP\_011327088.1 MGRA|XP\_003855400.1 MORY|QBZ64759.1 NCRA|XP\_961135.1 SSCL|APA08265.1

>Orthogroup2308: ANID|CBF71062.1 BCIN|XP\_001551897.1 BGRA|VDB83929.1 CFRU|XP\_031886924.1 CGLO|KAF3811256.1 CHIG|XP\_018160477.1 CVIN|KAF4931276.1 CVYL|A04407 FGRM|XP\_011323640.1 MGRA|XP\_003850014.1 MLAR|XP\_007417975.1 MORY|QBZ63386.1 NCRA|XP\_961547.1 SSCL|APA15206.1

>Orthogroup2309: ANID|CBF71064.1 BCIN|XP\_024554012.1 BGRA|VDB84438.1 CFRU|XP\_031877417.1 CGLO|KAF3805319.1 CHIG|XP\_018162032.1 CVIN|KAF4931535.1 CVYL|A11738 FGRM|XP\_011324107.1 MGRA|XP\_003855223.1 MLAR|XP\_007416494.1 MORY|QBZ62966.1 NCRA|XP\_957751.1 SSCL|APA15373.1

>Orthogroup2310: ANID|CBF71068.1 BCIN|XP\_001550713.1 BGRA|VDB84317.1 CFRU|XP\_031886361.1 CGLO|KAF3806397.1 CHIG|XP\_018162273.1 CVIN|KAF4923252.1 CVYL|A11987 FGRM|XP\_011326569.1 MGRA|XP\_003848914.1 MLAR|XP\_007406277.1 MORY|QBZ59297.1 NCRA|XP\_959021.1 SSCL|APA15319.1

>Orthogroup2311: ANID|CBF71083.1 BCIN|XP\_001559368.2 BCIN|XP\_024546071.1 CFRU|XP\_031887026.1 CGLO|KAF3811287.1 CHIG|XP\_018160512.1 CVIN|KAF4927224.1 CVYL|A04445 FGRM|XP\_011324783.1 MLAR|XP\_007416170.1 MORY|QBZ58028.1 MORY|QBZ65180.1 NCRA|XP\_957920.2 SSCL|APA07704.1

>Orthogroup2312: ANID|CBF71085.1 BCIN|XP\_001553377.1 BGRA|VDB85779.1 CFRU|XP\_031880661.1 CGLO|KAF3811176.1 CHIG|XP\_018159500.1 CVIN|KAF4931291.1 CVYL|A04338 FGRM|XP\_011323730.1 MGRA|XP\_003848908.1 MLAR|XP\_007414031.1 MORY|QBZ64685.1 NCRA|XP\_011394560.1 SSCL|APA15146.1

>Orthogroup2313: ANID|CBF71094.1 BCIN|XP\_024553963.1 BGRA|VDB84267.1 CFRU|XP\_031887140.1 CGLO|KAF3811355.1 CHIG|XP\_018160578.1 CVIN|KAF4921044.1 CVYL|A04544 FGRM|XP\_011326876.1 MGRA|XP\_003855208.1 MLAR|XP\_007417162.1 MORY|QBZ62512.1 NCRA|XP\_011394572.1 SSCL|APA15426.1

>Orthogroup2314: ANID|CBF71096.1 BCIN|XP\_001553326.1 BGRA|VDB85757.1 CFRU|XP\_031880757.1 CGLO|KAF3811173.1 CHIG|XP\_018159497.1 CVIN|KAF4931286.1 CVYL|A04336 FGRM|XP\_011323701.1 MGRA|XP\_003849060.1 MLAR|XP\_007404405.1 MORY|QBZ64661.1 NCRA|XP\_961306.1 SSCL|APA15175.1

>Orthogroup2315: ANID|CBF71100.1 BCIN|XP\_024554049.1 BGRA|VDB84315.1 CFRU|XP\_031887011.1 CGLO|KAF3811229.1 CHIG|XP\_018160414.1 CVIN|KAF4931177.1 CVYL|A04399 FGRM|XP\_011323652.1 MGRA|XP\_003849173.1 MLAR|XP\_007416063.1 MORY|QBZ64664.1 NCRA|XP\_961207.1 SSCL|APA15356.1

>Orthogroup2316: ANID|CBF71102.1 BCIN|XP\_024554052.1 BGRA|VDB84313.1 CFRU|XP\_031887004.1 CGLO|KAF3811230.1 CHIG|XP\_018160413.1 CVIN|KAF4931278.1 CVYL|A04400 FGRM|XP\_011323725.1 MGRA|XP\_003848818.1 MORY|QBZ64665.1 NCRA|XP\_011394600.1 SSCL|APA10735.1 SSCL|APA15357.1

>Orthogroup2317: ANID|CBF71108.1 BCIN|XP\_024554060.1 BGRA|VDB84245.1 CFRU|XP\_031880739.1 CGLO|KAF3811172.1 CHIG|XP\_018159495.1 CVIN|KAF4931235.1 CVYL|A04334 FGRM|XP\_011323699.1 MGRA|XP\_003848770.1 MLAR|XP\_007415909.1 MORY|QBZ64663.1 NCRA|XP\_960741.3 SSCL|APA15361.1

>Orthogroup2318: ANID|CBF71127.1 BCIN|XP\_001551695.1 BGRA|VDB88170.1 CFRU|XP\_031892496.1 CGLO|KAF3797196.1 CHIG|XP\_018157322.1 CVIN|KAF4920801.1 CVYL|A10503 FGRM|XP\_011319938.1 MGRA|XP\_003853330.1 MLAR|XP\_007409512.1 MORY|QBZ66117.1 NCRA|XP\_001728457.1 SSCL|APA11605.1

>Orthogroup2319: ANID|CBF71129.1 BCIN|XP\_024550988.1 BGRA|VDB88171.1 CFRU|XP\_031892760.1 CGLO|KAF3797197.1 CHIG|XP\_018157321.1 CVIN|KAF4920826.1 CVYL|A10502 FGRM|XP\_011319939.1 MGRA|XP\_003853079.1 MLAR|XP\_007413760.1 MORY|QBZ66116.1 NCRA|XP\_965764.1 SSCL|APA11606.1

>Orthogroup2320: ANID|CBF71131.1 BCIN|XP\_024550858.1 BGRA|VDB88160.1 CFRU|XP\_031888175.1 CGLO|KAF3802122.1 CHIG|XP\_018154269.1 CVIN|KAF4912413.1 CVYL|A03272 FGRM|XP\_011320191.1 MGRA|XP\_003856377.1 MLAR|XP\_007411500.1 MORY|QBZ66123.1 NCRA|XP\_965774.1 SSCL|APA11784.1

>Orthogroup2321: ANID|CBF71152.1 BCIN|XP\_001550456.1 BGRA|VDB88079.1 CFRU|XP\_031877703.1 CGLO|KAF3797372.1 CHIG|XP\_018157138.1 CVIN|KAF4929370.1 CVYL|A10317 FGRM|XP\_011319861.1 MGRA|XP\_003857450.1 MLAR|XP\_007406211.1 MORY|QBZ65906.1 NCRA|XP\_965820.1 SSCL|APA11668.1

>Orthogroup2322: ANID|CBF71176.1 BCIN|XP\_001545837.2 BGRA|VDB89801.1 CFRU|XP\_031881715.1 CGLO|KAF3805369.1 CHIG|XP\_018156739.1 CVIN|KAF4907237.1 CVYL|A11019 FGRM|XP\_011320226.1 MGRA|XP\_003852071.1 MLAR|XP\_007416316.1 MORY|QBZ66248.1 NCRA|XP\_958018.1 SSCL|APA11501.1

>Orthogroup2323: ANID|CBF71228.1 BCIN|XP\_024551223.1 BGRA|VCU39811.1 CFRU|XP\_031893338.1 CGLO|KAF3808018.1 CHIG|XP\_018152363.1 CVIN|KAF4909498.1 CVYL|A09465 FGRM|XP\_011317753.1 MGRA|XP\_003852851.1 MLAR|XP\_007405422.1 MLAR|XP\_007410604.1 NCRA|XP\_011394622.1 SSCL|APA10119.1

>Orthogroup2324: ANID|CBF71232.1 BCIN|XP\_024549427.1 BGRA|VDB90972.1 CFRU|XP\_031877838.1 CGLO|KAF3806631.1 CHIG|XP\_018164230.1 CVIN|KAF4918915.1 CVYL|A12343 FGRM|XP\_011326740.1 MGRA|XP\_003852242.1 MLAR|XP\_007406885.1 MORY|QBZ62979.1 NCRA|XP\_964041.3 SSCL|APA09094.1

>Orthogroup2325: ANID|CBF71234.1 BCIN|XP\_001559028.1 BGRA|VDB90968.1 CFRU|XP\_031877840.1 CGLO|KAF3806629.1 CHIG|XP\_018164232.1 CVIN|KAF4918917.1 CVYL|A12341 FGRM|XP\_011326742.1 MGRA|XP\_003852384.1 MLAR|XP\_007412134.1 MORY|QBZ62981.1 NCRA|XP\_964043.1 SSCL|APA09096.1

>Orthogroup2326: ANID|CBF71237.1 BCIN|XP\_024549423.1 BGRA|VDB90952.1 CFRU|XP\_031877872.1 CGLO|KAF3806628.1 CHIG|XP\_018164233.1 CVIN|KAF4918911.1 CVYL|A12340 FGRM|XP\_011326743.1 MGRA|XP\_003853288.1 MLAR|XP\_007404416.1 MORY|QBZ62982.1 NCRA|XP\_964044.1 SSCL|APA09089.1

>Orthogroup2327: ANID|CBF71243.1 ANID|CBF80615.1 ANID|CBF81987.1 BCIN|XP\_024550086.1 CFRU|XP\_031877266.1 CFRU|XP\_031889359.1 CGLO|KAF3806838.1 CHIG|XP\_018162278.1 CVIN|KAF4909291.1 CVYL|A02485 FGRM|XP\_011318173.1 MGRA|XP\_003850463.1 MGRA|XP\_003856294.1 SSCL|APA10743.1

>Orthogroup2328: ANID|CBF71251.1 BCIN|XP\_024548027.1 BGRA|VDB83581.1 CFRU|XP\_031882538.1 CHIG|XP\_018151002.1 CVIN|KAF4925153.1 CVYL|A08859 FGRM|XP\_011323829.1 MGRA|XP\_003849231.1 MLAR|XP\_007407332.1 MLAR|XP\_007415136.1 MORY|QBZ56337.1 NCRA|XP\_011394297.1 SSCL|APA08307.1

>Orthogroup2329: ANID|CBF71262.1 BCIN|XP\_024549790.1 BGRA|VDB83665.1 CFRU|XP\_031887781.1 CGLO|KAF3803233.1 CHIG|XP\_018161081.1 CVIN|KAF4928678.1 CVYL|A03665 FGRM|XP\_011323844.1 MGRA|XP\_003855486.1 MLAR|XP\_007411605.1 MORY|QBZ64592.1 NCRA|XP\_962471.3 SSCL|APA05739.1

>Orthogroup2330: ANID|CBF71264.1 BCIN|XP\_024549631.1 BGRA|VDB83690.1 CFRU|XP\_031880526.1 CGLO|KAF3811505.1 CHIG|XP\_018160761.1 CVIN|KAF4926804.1 CVYL|A04712 FGRM|XP\_011317803.1 MGRA|XP\_003849165.1 MLAR|XP\_007413460.1 MORY|QBZ58782.1 NCRA|XP\_961757.2 SSCL|APA05752.1

>Orthogroup2331: ANID|CBF71275.1 BCIN|XP\_001558329.1 BGRA|VDB83656.1 CFRU|XP\_031876556.1 CGLO|KAF3811481.1 CHIG|XP\_018160734.1 CVIN|KAF4907412.1 CVYL|A04685 FGRM|XP\_011317777.1 MGRA|XP\_003849069.1 MLAR|XP\_007404168.1 MORY|QBZ56559.1 NCRA|XP\_962674.2 SSCL|APA13708.1

>Orthogroup2332: ANID|CBF71277.1 BCIN|XP\_024552251.1 BGRA|VDB92683.1 CFRU|XP\_031878872.1 CGLO|KAF3802609.1 CHIG|XP\_018161305.1 CVIN|KAF4911615.1 CVYL|A01897 FGRM|XP\_011321448.1 MGRA|XP\_003855466.1 MLAR|XP\_007406896.1 MORY|QBZ65041.1 NCRA|XP\_962438.1 SSCL|APA13276.1

>Orthogroup2333: ANID|CBF71281.1 BCIN|XP\_001558349.1 BGRA|VDB83660.1 CFRU|XP\_031876534.1 CGLO|KAF3811485.1 CHIG|XP\_018160738.1 CVIN|KAF4926793.1 CVYL|A04690 FGRM|XP\_011317781.1 MGRA|XP\_003848837.1 MLAR|XP\_007410845.1 MORY|QBZ56702.1 NCRA|XP\_962691.1 SSCL|APA13726.1

>Orthogroup2334: ANID|CBF71283.1 BCIN|XP\_024552140.1 CFRU|XP\_031880994.1 CGLO|KAF3802570.1 CHIG|XP\_018161349.1 CVIN|KAF4917611.1 CVYL|A01858 FGRM|XP\_011321424.1 MGRA|XP\_003849163.1 MGRA|XP\_003853774.1 MGRA|XP\_003857044.1 MORY|QBZ65272.1 NCRA|XP\_962841.3 SSCL|APA12974.1

>Orthogroup2335: ANID|CBF71296.1 BCIN|XP\_024552343.1 BGRA|VDB92688.1 CFRU|XP\_031881053.1 CGLO|KAF3809842.1 CHIG|XP\_018161424.1 CVIN|KAF4930605.1 CVYL|A01772 FGRM|XP\_011321461.1 MGRA|XP\_003848882.1 MLAR|XP\_007418555.1 MORY|QBZ65215.1 NCRA|XP\_962785.3 SSCL|APA13170.1

>Orthogroup2336: ANID|CBF71323.1 BCIN|XP\_024548429.1 BGRA|VDB88819.1 CFRU|XP\_031881902.1 CGLO|KAF3800681.1 CHIG|XP\_018152001.1 CVIN|KAF4922035.1 CVYL|A13035 FGRM|XP\_011321268.1 MGRA|XP\_003856148.1 MLAR|XP\_007406843.1 MORY|QBZ61269.1 NCRA|XP\_958926.1 SSCL|APA12252.1

>Orthogroup2337: ANID|CBF71354.1 BCIN|XP\_024549850.1 BGRA|VCU41011.1 CFRU|XP\_031876723.1 CGLO|KAF3798690.1 CHIG|XP\_018157467.1 CVIN|KAF4918468.1 CVYL|A09428 FGRM|XP\_011327910.1 MGRA|XP\_003852619.1 MLAR|XP\_007407416.1 MORY|QBZ56249.1 NCRA|XP\_962389.1 SSCL|APA05516.1

>Orthogroup2338: ANID|CBF71369.1 ANID|CBF73875.1 ANID|CBF82800.1 BCIN|XP\_001556395.2 CFRU|XP\_031888499.1 CGLO|KAF3803622.1 CHIG|XP\_018151644.1 CHIG|XP\_018151645.1 CHIG|XP\_018163841.1 CVIN|KAF4920367.1 CVYL|A14554 FGRM|XP\_011323444.1 MGRA|XP\_003851321.1 SSCL|APA08857.1

>Orthogroup2339: ANID|CBF71418.1 BCIN|XP\_001556358.1 CFRU|XP\_031886000.1 CGLO|KAF3812011.1 CHIG|XP\_018155242.1 CVIN|KAF4930443.1 CVYL|A05498 FGRM|XP\_011317464.1 FGRM|XP\_011326056.1 MGRA|XP\_003853560.1 MGRA|XP\_003854490.1 MLAR|XP\_007412148.1 NCRA|XP\_956821.1 SSCL|APA08719.1

>Orthogroup2340: ANID|CBF71453.1 ANID|CBF75562.1 ANID|CBF89394.1 BCIN|XP\_024547183.1 BGRA|VCU40058.1 CFRU|XP\_031877609.1 CHIG|XP\_018153723.1 CVYL|A00024 FGRM|XP\_011327795.1 MGRA|XP\_003848443.1 MLAR|XP\_007411674.1 MORY|QBZ62338.1 NCRA|XP\_011395254.1 SSCL|APA14115.1

>Orthogroup2341: ANID|CBF71539.1 BCIN|XP\_024550144.1 BGRA|VDB94967.1 CFRU|XP\_031882157.1 CGLO|KAF3804460.1 CHIG|XP\_018160289.1 CVIN|KAF4930944.1 CVYL|A04173 FGRM|XP\_011326709.1 MGRA|XP\_003855297.1 MLAR|XP\_007411433.1 MORY|QBZ62529.1 NCRA|XP\_961325.2 SSCL|APA10772.1

>Orthogroup2342: ANID|CBF71541.1 BCIN|XP\_001554657.1 BGRA|VDB94755.1 CFRU|XP\_031891500.1 CGLO|KAF3804532.1 CHIG|XP\_018159459.1 CVIN|KAF4924544.1 CVYL|A04249 FGRM|XP\_011328802.1 MGRA|XP\_003855073.1 MLAR|XP\_007404597.1 MORY|QBZ64726.1 NCRA|XP\_955848.1 SSCL|APA11034.1

>Orthogroup2343: ANID|CBF71572.1 BCIN|XP\_001554654.1 BGRA|VDB94783.1 CFRU|XP\_031891493.1 CGLO|KAF3804535.1 CHIG|XP\_018159455.1 CVIN|KAF4924545.1 CVYL|A04252 FGRM|XP\_011328800.1 MGRA|XP\_003854887.1 MLAR|XP\_007414969.1 MORY|QBZ64729.1 NCRA|XP\_956750.2 SSCL|APA11036.1

>Orthogroup2344: ANID|CBF71574.1 BCIN|XP\_024550349.1 BGRA|VDB94758.1 CFRU|XP\_031891492.1 CGLO|KAF3804534.1 CHIG|XP\_018159456.1 CVIN|KAF4924486.1 CVYL|A04251 FGRM|XP\_011328799.1 MLAR|XP\_007416410.1 MLAR|XP\_007419470.1 MORY|QBZ64728.1 NCRA|XP\_011394547.1 SSCL|APA11035.1

>Orthogroup2345: ANID|CBF71595.1 BCIN|XP\_001552517.1 BGRA|VDB94874.1 CFRU|XP\_031882195.1 CGLO|KAF3804405.1 CHIG|XP\_018160220.1 CVIN|KAF4930897.1 CVYL|A04104 FGRM|XP\_011324496.1 MGRA|XP\_003855193.1 MLAR|XP\_007406301.1 MORY|QBZ62538.1 NCRA|XP\_961323.1 SSCL|APA10786.1

>Orthogroup2346: ANID|CBF71599.1 BCIN|XP\_024550136.1 BGRA|VDB94965.1 CFRU|XP\_031882181.1 CGLO|KAF3804459.1 CHIG|XP\_018160288.1 CVIN|KAF4930961.1 CVYL|A04172 FGRM|XP\_011326708.1 MGRA|XP\_003855270.1 MLAR|XP\_007409493.1 MORY|QBZ62539.1 NCRA|XP\_961324.3 SSCL|APA10785.1

>Orthogroup2347: ANID|CBF71619.1 BCIN|XP\_001552515.2 BGRA|VDB94983.1 CFRU|XP\_031891204.1 CGLO|KAF3804524.1 CHIG|XP\_018159465.1 CVIN|KAF4924547.1 CVYL|A04244 FGRM|XP\_011324720.1 MGRA|XP\_003855556.1 MLAR|XP\_007411118.1 MORY|QBZ64706.1 NCRA|XP\_956745.1 SSCL|APA10784.1

>Orthogroup2348: ANID|CBF71622.1 BCIN|XP\_001553879.2 BGRA|VCU39260.1 CFRU|XP\_031885866.1 CGLO|KAF3806594.1 CHIG|XP\_018157634.1 CVIN|KAF4916895.1 CVYL|A09273 FGRM|XP\_011328108.1 MGRA|XP\_003849472.1 MLAR|XP\_007406326.1 MORY|QBZ56549.1 NCRA|XP\_961975.1 SSCL|APA13063.1

>Orthogroup2349: ANID|CBF71624.1 BCIN|XP\_024552286.1 BGRA|VCU39261.1 CFRU|XP\_031885867.1 CGLO|KAF3806595.1 CHIG|XP\_018157635.1 CVIN|KAF4916892.1 CVYL|A09272 FGRM|XP\_011328107.1 MGRA|XP\_003849642.1 MLAR|XP\_007403859.1 MORY|QBZ56550.1 NCRA|XP\_961974.2 SSCL|APA13062.1

>Orthogroup2350: ANID|CBF71632.1 BCIN|XP\_024546410.1 CFRU|XP\_031889316.1 CFRU|XP\_031889480.1 CGLO|KAF3808856.1 CGLO|KAF3808890.1 CHIG|XP\_018155796.1 CVIN|KAF4893847.1 CVIN|KAF4895291.1 CVYL|A01180 CVYL|A01224 MGRA|XP\_003849166.1 MORY|QBZ54811.1 SSCL|APA07226.1

>Orthogroup2351: ANID|CBF71650.1 BCIN|XP\_001555261.1 BGRA|VDB87814.1 CFRU|XP\_031883661.1 CGLO|KAF3800251.1 CHIG|XP\_018155058.1 CVIN|KAF4921768.1 CVYL|A12392 FGRM|XP\_011317542.1 MGRA|XP\_003849653.1 MLAR|XP\_007414341.1 MORY|QBZ53763.1 NCRA|XP\_011393677.1 SSCL|APA08657.1

>Orthogroup2352: ANID|CBF71677.1 BCIN|XP\_024550590.1 BGRA|VDB94955.1 CFRU|XP\_031877225.1 CGLO|KAF3806459.1 CHIG|XP\_018162347.1 CVIN|KAF4897891.1 CVYL|A12058 FGRM|XP\_011323934.1 MGRA|XP\_003855296.1 MLAR|XP\_007415656.1 MORY|QBZ61395.1 NCRA|XP\_956404.1 SSCL|APA11396.1

>Orthogroup2353: ANID|CBF71685.1 BCIN|XP\_001559329.1 BGRA|VDB94846.1 CFRU|XP\_031891174.1 CGLO|KAF3804674.1 CHIG|XP\_018161742.1 CVIN|KAF4902798.1 CVYL|A05210 FGRM|XP\_011321523.1 MGRA|XP\_003854826.1 MLAR|XP\_007408984.1 MORY|QBZ59576.1 NCRA|XP\_956700.1 SSCL|APA07867.1

>Orthogroup2354: ANID|CBF71690.1 BCIN|XP\_001552990.1 BGRA|VDB86345.1 CFRU|XP\_031886311.1 CGLO|KAF3806202.1 CHIG|XP\_018162191.1 CVIN|KAF4931495.1 CVYL|A11788 FGRM|XP\_011326337.1 MGRA|XP\_003855291.1 MLAR|XP\_007409397.1 MORY|QBZ55786.1 NCRA|XP\_959063.1 SSCL|APA11218.1

>Orthogroup2355: ANID|CBF71694.1 BCIN|XP\_001552993.1 BGRA|VDB94550.1 CFRU|XP\_031886308.1 CGLO|KAF3806205.1 CHIG|XP\_018162194.1 CVIN|KAF4931561.1 CVYL|A11792 FGRM|XP\_011326341.1 MGRA|XP\_003854892.1 MLAR|XP\_007417830.1 MORY|QBZ55789.1 NCRA|XP\_959060.1 SSCL|APA11221.1

>Orthogroup2356: ANID|CBF71706.1 BCIN|XP\_001554662.1 BGRA|VDB94760.1 CFRU|XP\_031891276.1 CGLO|KAF3811128.1 CHIG|XP\_018160374.1 CVIN|KAF4924505.1 CVYL|A04284 FGRM|XP\_011327073.1 MGRA|XP\_003854496.1 MLAR|XP\_007413128.1 MORY|QBZ63424.1 NCRA|XP\_961311.1 SSCL|APA11029.1

>Orthogroup2357: ANID|CBF71714.1 BCIN|XP\_001559342.1 BCIN|XP\_001559343.1 BGRA|VDB94890.1 CFRU|XP\_031886946.1 CGLO|KAF3811348.1 CHIG|XP\_018160590.1 CVIN|KAF4921003.1 CVYL|A04531 FGRM|XP\_011323642.1 MGRA|XP\_003854894.1 MORY|QBZ56983.1 NCRA|XP\_961488.1 SSCL|APA07873.1

>Orthogroup2358: ANID|CBF71716.1 BCIN|XP\_024547537.1 BGRA|VDB94894.1 CFRU|XP\_031879394.1 CGLO|KAF3808617.1 CHIG|XP\_018161899.1 CVIN|KAF4926141.1 CVYL|A12299 FGRM|XP\_011318503.1 MGRA|XP\_003855617.1 MLAR|XP\_007404251.1 MORY|QBZ59639.1 NCRA|XP\_962872.3 SSCL|APA07872.1

>Orthogroup2359: ANID|CBF71720.1 BCIN|XP\_024550142.1 BGRA|VDB94961.1 CFRU|XP\_031882279.1 CGLO|KAF3804462.1 CHIG|XP\_018160298.1 CVIN|KAF4930938.1 CVYL|A04176 FGRM|XP\_011324731.1 MLAR|XP\_007409098.1 MLAR|XP\_007413963.1 MORY|QBZ64701.1 NCRA|XP\_955845.1 SSCL|APA10774.1

>Orthogroup2360: ANID|CBF71743.1 BCIN|XP\_001554799.1 BGRA|VDB94718.1 CFRU|XP\_031878004.1 CGLO|KAF3799591.1 CHIG|XP\_018154586.1 CVIN|KAF4926460.1 CVYL|A13452 FGRM|XP\_011325566.1 MGRA|XP\_003849697.1 MLAR|XP\_007410227.1 MORY|QBZ54422.1 NCRA|XP\_956473.1 SSCL|APA15516.1

>Orthogroup2361: ANID|CBF73535.1 ANID|CBF77659.1 ANID|CBF86289.1 ANID|CBF89316.1 BCIN|XP\_024547793.1 BCIN|XP\_024548846.1 CFRU|XP\_031878825.1 CHIG|XP\_018159362.1 CVIN|KAF4911612.1 CVYL|A01902 FGRM|XP\_011316738.1 FGRM|XP\_011327719.1 MORY|QBZ60695.1 SSCL|APA09479.1

>Orthogroup2362: ANID|CBF73667.1 BCIN|XP\_024553342.1 BGRA|VCU39324.1 CFRU|XP\_031887111.1 CGLO|KAF3811310.1 CHIG|XP\_018159075.1 CHIG|XP\_018160534.1 CVIN|KAF4927202.1 CVYL|A04489 FGRM|XP\_011326428.1 MLAR|XP\_007404039.1 MORY|QBZ63405.1 NCRA|XP\_961538.2 SSCL|APA13660.1

>Orthogroup2363: ANID|CBF73669.1 BCIN|XP\_024553343.1 BGRA|VCU39325.1 CFRU|XP\_031887118.1 CGLO|KAF3811309.1 CHIG|XP\_018160533.1 CVIN|KAF4927200.1 CVYL|A04488 FGRM|XP\_011326427.1 MGRA|XP\_003850141.1 MLAR|XP\_007405037.1 MORY|QBZ63404.1 NCRA|XP\_961537.1 SSCL|APA13661.1

>Orthogroup2364: ANID|CBF73674.1 BCIN|XP\_024553226.1 BGRA|VDB88685.1 CFRU|XP\_031882268.1 CGLO|KAF3804450.1 CHIG|XP\_018160276.1 CVIN|KAF4930915.1 CVYL|A04159 FGRM|XP\_011324501.1 MGRA|XP\_003850306.1 MLAR|XP\_007411142.1 MORY|QBZ64717.1 NCRA|XP\_011394595.1 SSCL|APA13501.1

>Orthogroup2365: ANID|CBF73680.1 BCIN|XP\_024553224.1 BGRA|VCU40503.1 CFRU|XP\_031882265.1 CGLO|KAF3804451.1 CHIG|XP\_018160277.1 CVIN|KAF4930916.1 CVYL|A04160 FGRM|XP\_011324500.1 MGRA|XP\_003850102.1 MLAR|XP\_007406962.1 MORY|QBZ64716.1 NCRA|XP\_961132.2 SSCL|APA13502.1

>Orthogroup2366: ANID|CBF73699.1 BCIN|XP\_024553293.1 BGRA|VCU40704.1 CFRU|XP\_031880659.1 CGLO|KAF3811147.1 CHIG|XP\_018160355.1 CVIN|KAF4931162.1 CVYL|A04306 FGRM|XP\_011326476.1 MGRA|XP\_003850006.1 MLAR|XP\_007416527.1 MORY|QBZ57422.1 NCRA|XP\_011394697.1 SSCL|APA13542.1

>Orthogroup2367: ANID|CBF73703.1 BCIN|XP\_001558276.1 BGRA|VDB86093.1 CFRU|XP\_031887013.1 CGLO|KAF3811313.1 CHIG|XP\_018160538.1 CVIN|KAF4927239.1 CVYL|A04493 FGRM|XP\_011326434.1 MGRA|XP\_003850094.1 MLAR|XP\_007405307.1 MORY|QBZ63398.1 NCRA|XP\_961541.1 SSCL|APA13670.1

>Orthogroup2368: ANID|CBF73709.1 BCIN|XP\_001553777.1 BGRA|VCU40638.1 CFRU|XP\_031888652.1 CGLO|KAF3799323.1 CHIG|XP\_018159919.1 CVIN|KAF4924763.1 CVYL|A04219 FGRM|XP\_011324458.1 MGRA|XP\_003850469.1 MLAR|XP\_007416538.1 MORY|QBZ59184.1 NCRA|XP\_961601.2 SSCL|APA14506.1

>Orthogroup2369: ANID|CBF73720.1 BCIN|XP\_024548320.1 BGRA|VCU40555.1 CFRU|XP\_031891530.1 CGLO|KAF3811121.1 CHIG|XP\_018160382.1 CVIN|KAF4924540.1 CVYL|A04276 FGRM|XP\_011326690.1 MGRA|XP\_003850333.1 MLAR|XP\_007417614.1 MORY|QBZ56912.1 NCRA|XP\_961573.1 SSCL|APA12572.1

>Orthogroup2370: ANID|CBF73743.1 BCIN|XP\_001558217.1 BGRA|VCU40478.1 CFRU|XP\_031886689.1 CGLO|KAF3800271.1 CHIG|XP\_018162758.1 CVIN|KAF4927612.1 CVYL|A06966 FGRM|XP\_011327025.1 MGRA|XP\_003850540.1 MLAR|XP\_007413808.1 MORY|QBZ61333.1 NCRA|XP\_957332.1 SSCL|APA13639.1

>Orthogroup2371: ANID|CBF73758.1 BCIN|XP\_024549707.1 BGRA|VDB86364.1 CFRU|XP\_031885923.1 CGLO|KAF3805529.1 CHIG|XP\_018155369.1 CVIN|KAF4918286.1 CVYL|A05652 FGRM|XP\_011317492.1 MGRA|XP\_003849996.1 MLAR|XP\_007415322.1 MORY|QBZ58967.1 NCRA|XP\_963604.1 SSCL|APA05641.1

>Orthogroup2372: ANID|CBF73760.1 BCIN|XP\_024553281.1 BGRA|VDB93963.1 CFRU|XP\_031885371.1 CGLO|KAF3799546.1 CHIG|XP\_018154537.1 CVIN|KAF4931861.1 CVYL|A13406 FGRM|XP\_011324907.1 MGRA|XP\_003855663.1 MLAR|XP\_007418100.1 MORY|QBZ62096.1 NCRA|XP\_956977.1 SSCL|APA13553.1

>Orthogroup2373: ANID|CBF73762.1 BCIN|XP\_024553282.1 BGRA|VDB93965.1 CFRU|XP\_031883437.1 CGLO|KAF3800599.1 CHIG|XP\_018152079.1 CVIN|KAF4927121.1 CVYL|A13117 FGRM|XP\_011321290.1 MGRA|XP\_003855078.1 MLAR|XP\_007413107.1 MORY|QBZ62104.1 NCRA|XP\_956974.3 SSCL|APA13552.1

>Orthogroup2374: ANID|CBF73778.1 BCIN|XP\_001550729.1 BGRA|VDB93606.1 CFRU|XP\_031886341.1 CGLO|KAF3806404.1 CHIG|XP\_018162288.1 CVIN|KAF4923228.1 CVYL|A11996 FGRM|XP\_011326575.1 MGRA|XP\_003849876.1 MLAR|XP\_007404206.1 MORY|QBZ63903.1 NCRA|XP\_956169.1 SSCL|APA15307.1

>Orthogroup2375: ANID|CBF73780.1 BCIN|XP\_001550727.2 BGRA|VDB93608.1 CFRU|XP\_031886340.1 CGLO|KAF3806403.1 CHIG|XP\_018162287.1 CVIN|KAF4923278.1 CVYL|A11995 FGRM|XP\_011326574.1 MGRA|XP\_003849879.1 MLAR|XP\_007416848.1 MORY|QBZ56510.1 NCRA|XP\_958147.2 SSCL|APA15309.1

>Orthogroup2376: ANID|CBF73788.1 BCIN|XP\_024546967.1 BGRA|VCU40454.1 CFRU|XP\_031882270.1 CGLO|KAF3804453.1 CHIG|XP\_018160280.1 CVIN|KAF4930911.1 CVYL|A04163 FGRM|XP\_011324497.1 MGRA|XP\_003850366.1 MLAR|XP\_007415284.1 MORY|QBZ64712.1 NCRA|XP\_961181.2 SSCL|APA05971.1

>Orthogroup2377: ANID|CBF73792.1 BCIN|XP\_001558216.1 BGRA|VCU40488.1 CFRU|XP\_031886687.1 CGLO|KAF3800270.1 CHIG|XP\_018162756.1 CVIN|KAF4927610.1 CVYL|A06967 FGRM|XP\_011327023.1 MGRA|XP\_003849880.1 MLAR|XP\_007411127.1 MORY|QBZ61334.1 NCRA|XP\_011393917.1 SSCL|APA13638.1

>Orthogroup2378: ANID|CBF73799.1 BCIN|XP\_001558235.1 BGRA|VCU40496.1 CFRU|XP\_031886530.1 CGLO|KAF3800264.1 CHIG|XP\_018162750.1 CVIN|KAF4927563.1 CVYL|A06973 FGRM|XP\_011327029.1 MGRA|XP\_003850286.1 MLAR|XP\_007410303.1 MORY|QBZ61341.1 NCRA|XP\_957343.1 SSCL|APA13648.1

>Orthogroup2379: ANID|CBF73806.1 BCIN|XP\_024549691.1 BGRA|VDB93974.1 CFRU|XP\_031879490.1 CGLO|KAF3799660.1 CHIG|XP\_018154668.1 CVIN|KAF4922166.1 CVYL|A13522 FGRM|XP\_011316687.1 MGRA|XP\_003850091.1 MLAR|XP\_007404090.1 MORY|QBZ60975.1 NCRA|XP\_963164.1 SSCL|APA05622.1

>Orthogroup2380: ANID|CBF73811.1 BCIN|XP\_001555927.1 BGRA|VDB93939.1 CFRU|XP\_031875824.1 CGLO|KAF3805549.1 CHIG|XP\_018155403.1 CVIN|KAF4890967.1 CVYL|A05672 FGRM|XP\_011324646.1 MGRA|XP\_003849893.1 MLAR|XP\_007408529.1 MORY|QBZ54877.1 NCRA|XP\_963397.1 SSCL|APA06037.1

>Orthogroup2381: ANID|CBF73824.1 BCIN|XP\_001558717.1 BGRA|VDB93976.1 CFRU|XP\_031885925.1 CGLO|KAF3805527.1 CHIG|XP\_018155371.1 CVIN|KAF4918291.1 CVYL|A05650 FGRM|XP\_011317490.1 MGRA|XP\_003849885.1 MLAR|XP\_007408266.1 MORY|QBZ58969.1 NCRA|XP\_963602.2 SSCL|APA05639.1

>Orthogroup2382: ANID|CBF73828.1 BCIN|XP\_001552180.1 BGRA|VDB93940.1 CFRU|XP\_031878032.1 CGLO|KAF3799565.1 CHIG|XP\_018154567.1 CVIN|KAF4931854.1 CVYL|A13424 FGRM|XP\_011324891.1 MGRA|XP\_003850535.1 MLAR|XP\_007416638.1 MORY|QBZ56059.1 NCRA|XP\_965642.2 SSCL|APA05592.1

>Orthogroup2383: ANID|CBF73928.1 BCIN|XP\_024546926.1 BGRA|VCU40680.1 CFRU|XP\_031887003.1 CGLO|KAF3811226.1 CHIG|XP\_018160419.1 CVIN|KAF4931210.1 CVYL|A04394 FGRM|XP\_011328292.1 MGRA|XP\_003850103.1 MLAR|XP\_007412569.1 MORY|QBZ62662.1 NCRA|XP\_962034.1 SSCL|APA05813.1

>Orthogroup2384: ANID|CBF73991.1 ANID|CBF83682.1 BCIN|XP\_001561362.1 BGRA|VCU40187.1 CFRU|XP\_031890640.1 CHIG|XP\_018164417.1 CVIN|KAF4919418.1 CVYL|A12137 FGRM|XP\_011318791.1 FGRM|XP\_011325152.1 MGRA|XP\_003852769.1 MORY|QBZ54976.1 NCRA|XP\_956634.1 SSCL|APA06880.1

>Orthogroup2385: ANID|CBF74028.1 BCIN|XP\_024546865.1 BGRA|VCU40507.1 CFRU|XP\_031886958.1 CGLO|KAF3811327.1 CHIG|XP\_018160553.1 CVIN|KAF4927248.1 CVYL|A04510 FGRM|XP\_011327142.1 MGRA|XP\_003850137.1 MORY|QBZ64720.1 MORY|QBZ65431.1 NCRA|XP\_961115.1 SSCL|APA14523.1

>Orthogroup2386: ANID|CBF74054.1 BCIN|XP\_024553317.1 BGRA|VCU40483.1 CFRU|XP\_031886887.1 CGLO|KAF3811323.1 CHIG|XP\_018160549.1 CVIN|KAF4927251.1 CVYL|A04504 FGRM|XP\_011327145.1 MGRA|XP\_003849931.1 MLAR|XP\_007409296.1 MORY|QBZ58034.1 NCRA|XP\_961184.1 SSCL|APA13627.1

>Orthogroup2387: ANID|CBF74056.1 BCIN|XP\_024553318.1 BGRA|VCU40482.1 CFRU|XP\_031886884.1 CGLO|KAF3811324.1 CHIG|XP\_018160550.1 CVIN|KAF4927250.1 CVYL|A04505 FGRM|XP\_011327144.1 MGRA|XP\_003850483.1 MLAR|XP\_007409918.1 MORY|QBZ58033.1 NCRA|XP\_961183.1 SSCL|APA13628.1

>Orthogroup2388: ANID|CBF74066.1 BCIN|XP\_001558247.1 BGRA|VCU39320.1 CFRU|XP\_031880720.1 CGLO|KAF3811142.1 CHIG|XP\_018160360.1 CVIN|KAF4931260.1 CVYL|A04301 FGRM|XP\_011326450.1 MGRA|XP\_003850011.1 MLAR|XP\_007415468.1 MORY|QBZ57461.1 NCRA|XP\_960994.2 SSCL|APA13658.1

>Orthogroup2389: ANID|CBF74071.1 BCIN|XP\_001558262.1 BGRA|VCU39326.1 CFRU|XP\_031880716.1 CGLO|KAF3811146.1 CHIG|XP\_018160356.1 CVIN|KAF4931192.1 CVYL|A04305 FGRM|XP\_011326444.1 MGRA|XP\_003850096.1 MLAR|XP\_007410693.1 MORY|QBZ57425.1 NCRA|XP\_011394694.1 SSCL|APA13662.1

>Orthogroup2390: ANID|CBF74081.1 BCIN|XP\_001554064.1 BGRA|VCU40470.1 CFRU|XP\_031880651.1 CFRU|XP\_031880652.1 CGLO|KAF3811152.1 CHIG|XP\_018160339.1 CVIN|KAF4931196.1 CVYL|A04312 FGRM|XP\_011324739.1 MGRA|XP\_003850335.1 MORY|QBZ58041.1 NCRA|XP\_961189.2 SSCL|APA05570.1

>Orthogroup2391: ANID|CBF74098.1 BCIN|XP\_001558214.1 BGRA|VCU40486.1 CFRU|XP\_031886691.1 CGLO|KAF3800268.1 CHIG|XP\_018162754.1 CVIN|KAF4927608.1 CVYL|A06969 FGRM|XP\_011327021.1 MGRA|XP\_003850374.1 MLAR|XP\_007409091.1 MORY|QBZ61337.1 NCRA|XP\_957329.1 SSCL|APA13636.1

>Orthogroup2392: ANID|CBF74121.1 BCIN|XP\_024547045.1 BGRA|VCU40629.1 CFRU|XP\_031888954.1 CGLO|KAF3799203.1 CHIG|XP\_018159805.1 CVIN|KAF4894527.1 CVYL|A10098 FGRM|XP\_011328840.1 MGRA|XP\_003849884.1 MLAR|XP\_007413523.1 MORY|QBZ59130.1 NCRA|XP\_958694.1 SSCL|APA05233.1

>Orthogroup2393: ANID|CBF74131.1 BCIN|XP\_001558945.1 BGRA|VCU40679.1 CFRU|XP\_031886832.1 CGLO|KAF3811225.1 CHIG|XP\_018160420.1 CVIN|KAF4931209.1 CVYL|A04393 FGRM|XP\_011326832.1 MGRA|XP\_003850046.1 MLAR|XP\_007409950.1 MORY|QBZ57030.1 NCRA|XP\_958762.1 SSCL|APA05815.1

>Orthogroup2394: ANID|CBF74133.1 BCIN|XP\_001555871.2 BGRA|VCU40188.1 CFRU|XP\_031882135.1 CGLO|KAF3804343.1 CHIG|XP\_018160128.1 CVIN|KAF4918342.1 CVYL|A04032 FGRM|XP\_011324773.1 MGRA|XP\_003850248.1 MLAR|XP\_007416254.1 MORY|QBZ58686.1 NCRA|XP\_958189.1 SSCL|APA06067.1

>Orthogroup2395: ANID|CBF74149.1 BCIN|XP\_001546976.1 BGRA|VCU39408.1 CFRU|XP\_031888684.1 CGLO|KAF3799281.1 CHIG|XP\_018159878.1 CVIN|KAF4924819.1 CVYL|A03897 FGRM|XP\_011324542.1 MGRA|XP\_003849921.1 MLAR|XP\_007407249.1 MORY|QBZ58665.1 NCRA|XP\_958831.1 SSCL|APA12562.1

>Orthogroup2396: ANID|CBF74156.1 BCIN|XP\_001553770.1 BGRA|VCU40649.1 CFRU|XP\_031888792.1 CGLO|KAF3799385.1 CHIG|XP\_018159957.1 CVIN|KAF4906791.1 CVYL|A03463 FGRM|XP\_011324466.1 MGRA|XP\_003850203.1 MLAR|XP\_007417226.1 MORY|QBZ59178.1 NCRA|XP\_961712.1 SSCL|APA14515.1

>Orthogroup2397: ANID|CBF74163.1 BCIN|XP\_024547001.1 BGRA|VCU41288.1 CFRU|XP\_031888725.1 CGLO|KAF3799194.1 CHIG|XP\_018159802.1 CVIN|KAF4914912.1 CVYL|A10089 FGRM|XP\_011328763.1 MGRA|XP\_003850193.1 MLAR|XP\_007404084.1 MORY|QBZ63735.1 NCRA|XP\_961695.1 SSCL|APA05871.1

>Orthogroup2398: ANID|CBF74165.1 BCIN|XP\_001553784.1 BGRA|VCU40628.1 CFRU|XP\_031888646.1 CGLO|KAF3799328.1 CHIG|XP\_018159925.1 CVIN|KAF4924811.1 CVYL|A04264 FGRM|XP\_011328791.1 MGRA|XP\_003850256.1 MLAR|XP\_007406886.1 MORY|QBZ59173.1 NCRA|XP\_958550.1 SSCL|APA05234.1

>Orthogroup2399: ANID|CBF74173.1 BCIN|XP\_024546876.1 BGRA|VCU39337.1 CFRU|XP\_031888707.1 CGLO|KAF3804180.1 CHIG|XP\_018160026.1 CVIN|KAF4918408.1 CVYL|A03855 FGRM|XP\_011324767.1 MGRA|XP\_003850077.1 MLAR|XP\_007406873.1 MORY|QBZ63393.1 NCRA|XP\_961158.1 SSCL|APA05930.1

>Orthogroup2400: ANID|CBF74199.1 BCIN|XP\_024548337.1 BGRA|VCU39780.1 CFRU|XP\_031888669.1 CGLO|KAF3799307.1 CHIG|XP\_018159907.1 CVIN|KAF4924796.1 CVYL|A04053 FGRM|XP\_011328849.1 MGRA|XP\_003850158.1 MLAR|XP\_007406455.1 MORY|QBZ58687.1 NCRA|XP\_960643.1 SSCL|APA12591.1

>Orthogroup2401: ANID|CBF74201.1 BCIN|XP\_001546024.1 BGRA|VCU39779.1 CFRU|XP\_031888963.1 CGLO|KAF3799261.1 CHIG|XP\_018159896.1 CVIN|KAF4908832.1 CVYL|A10153 FGRM|XP\_011324737.1 MGRA|XP\_003850245.1 MLAR|XP\_007405933.1 MORY|QBZ58673.1 NCRA|XP\_958086.1 SSCL|APA12590.1

>Orthogroup2402: ANID|CBF74215.1 BCIN|XP\_001553718.1 BGRA|VCU39782.1 CFRU|XP\_031889041.1 CGLO|KAF3799189.1 CHIG|XP\_018159797.1 CVIN|KAF4914920.1 CVYL|A10084 FGRM|XP\_011328761.1 MGRA|XP\_003850133.1 MLAR|XP\_007408798.1 MORY|QBZ54546.1 NCRA|XP\_957976.3 SSCL|APA13498.1

>Orthogroup2403: ANID|CBF74219.1 BCIN|XP\_024546832.1 BGRA|VCU40571.1 CFRU|XP\_031882260.1 CGLO|KAF3804314.1 CHIG|XP\_018160107.1 CVIN|KAF4920098.1 CVYL|A04001 FGRM|XP\_011324565.1 MGRA|XP\_003850323.1 MLAR|XP\_007410350.1 MORY|QBZ54771.1 NCRA|XP\_961022.1 SSCL|APA06050.1

>Orthogroup2404: ANID|CBF74224.1 BCIN|XP\_001555872.1 BGRA|VCU40189.1 CFRU|XP\_031889056.1 CHIG|XP\_018160071.1 CVIN|KAF4930137.1 CVYL|A03915 FGRM|XP\_011324592.1 MGRA|XP\_003850324.1 MLAR|XP\_007410087.1 MLAR|XP\_007413663.1 MORY|QBZ64648.1 NCRA|XP\_961350.1 SSCL|APA06066.1

>Orthogroup2405: ANID|CBF74226.1 BCIN|XP\_024546836.1 BGRA|VCU40607.1 BGRA|VCU40608.1 CFRU|XP\_031882142.1 CGLO|KAF3804320.1 CHIG|XP\_018160112.1 CVIN|KAF4920123.1 CVYL|A04012 FGRM|XP\_011324560.1 MLAR|XP\_007407555.1 MORY|QBZ54767.1 NCRA|XP\_961027.3 SSCL|APA06045.1

>Orthogroup2406: ANID|CBF74230.1 BCIN|XP\_001555896.1 BGRA|VCU40598.1 CFRU|XP\_031882271.1 CGLO|KAF3804318.1 CHIG|XP\_018160110.1 CVIN|KAF4920125.1 CVYL|A04010 FGRM|XP\_011324563.1 MGRA|XP\_003850322.1 MLAR|XP\_007413551.1 MORY|QBZ54769.1 NCRA|XP\_961025.2 SSCL|APA06047.1

>Orthogroup2407: ANID|CBF74234.1 ANID|CBF85721.1 BCIN|XP\_001555725.1 BGRA|VCU41102.1 CFRU|XP\_031884215.1 CHIG|XP\_018162364.1 CVIN|KAF4908639.1 CVYL|A12069 FGRM|XP\_011323921.1 MGRA|XP\_003852077.1 MLAR|XP\_007407433.1 MORY|QBZ55494.1 NCRA|XP\_958274.1 SSCL|APA10315.1

>Orthogroup2408: ANID|CBF74254.1 BCIN|XP\_024546960.1 BGRA|VDB93869.1 CFRU|XP\_031881840.1 CGLO|KAF3800617.1 CHIG|XP\_018152062.1 CVIN|KAF4918179.1 CVYL|A13100 FGRM|XP\_011316337.1 MGRA|XP\_003848923.1 MLAR|XP\_007408032.1 MORY|QBZ60996.1 NCRA|XP\_956123.1 SSCL|APA05989.1

>Orthogroup2409: ANID|CBF74260.1 BCIN|XP\_024546969.1 BGRA|VDB93926.1 CFRU|XP\_031881777.1 CGLO|KAF3800642.1 CHIG|XP\_018152042.1 CVIN|KAF4922013.1 CVYL|A13074 FGRM|XP\_011317224.1 MGRA|XP\_003855670.1 MLAR|XP\_007416293.1 MORY|QBZ57314.1 NCRA|XP\_956898.1 SSCL|APA05967.1

>Orthogroup2410: ANID|CBF74269.1 BCIN|XP\_024548110.1 BGRA|VDB93922.1 CFRU|XP\_031881828.1 CGLO|KAF3800629.1 CHIG|XP\_018152055.1 CVIN|KAF4918201.1 CVYL|A13087 FGRM|XP\_011317221.1 MGRA|XP\_003855481.1 MLAR|XP\_007409980.1 MORY|QBZ57306.1 NCRA|XP\_956276.2 SSCL|APA12618.1

>Orthogroup2411: ANID|CBF74276.1 BCIN|XP\_001559875.1 BGRA|VCU40019.1 CFRU|XP\_031887071.1 CGLO|KAF3811389.1 CHIG|XP\_018160626.1 CVIN|KAF4919706.1 CVYL|A04581 FGRM|XP\_011327183.1 MGRA|XP\_003850690.1 MLAR|XP\_007414792.1 MORY|QBZ64711.1 NCRA|XP\_960733.2 SSCL|APA09729.1

>Orthogroup2412: ANID|CBF74278.1 BCIN|XP\_001559911.1 BGRA|VDB89283.1 CFRU|XP\_031886932.1 CGLO|KAF3811387.1 CHIG|XP\_018160623.1 CVIN|KAF4919675.1 CVYL|A04579 FGRM|XP\_011327193.1 MGRA|XP\_003851172.1 MLAR|XP\_007404399.1 MORY|QBZ58058.1 NCRA|XP\_960739.1 SSCL|APA09751.1

>Orthogroup2413: ANID|CBF74279.1 BCIN|XP\_024546107.1 BGRA|VDB90709.1 CFRU|XP\_031888320.1 CGLO|KAF3803581.1 CHIG|XP\_018163890.1 CVIN|KAF4920345.1 CVYL|A14514 FGRM|XP\_011316755.1 MGRA|XP\_003850704.1 MLAR|XP\_007415245.1 MORY|QBZ55312.1 NCRA|XP\_964051.2 SSCL|APA06630.1

>Orthogroup2414: ANID|CBF74285.1 BCIN|XP\_024546353.1 BGRA|VDB92467.1 CFRU|XP\_031890503.1 CGLO|KAF3804828.1 CHIG|XP\_018164312.1 CVIN|KAF4929775.1 CVYL|A12246 FGRM|XP\_011317018.1 MGRA|XP\_003851068.1 MLAR|XP\_007409412.1 MORY|QBZ63552.1 NCRA|XP\_964475.2 SSCL|APA06871.1

>Orthogroup2415: ANID|CBF74295.1 BCIN|XP\_024549364.1 BGRA|VCU38885.1 CFRU|XP\_031887519.1 CGLO|KAF3803207.1 CHIG|XP\_018161041.1 CVIN|KAF4928660.1 CVYL|A03636 FGRM|XP\_011323573.1 MGRA|XP\_003854621.1 MLAR|XP\_007404856.1 MORY|QBZ58751.1 NCRA|XP\_961832.2 SSCL|APA15769.1

>Orthogroup2416: ANID|CBF74317.1 BCIN|XP\_024546892.1 BGRA|VDB93915.1 CFRU|XP\_031878068.1 CGLO|KAF3799570.1 CHIG|XP\_018154562.1 CVIN|KAF4926515.1 CVYL|A13429 FGRM|XP\_011323706.1 MGRA|XP\_003855014.1 MLAR|XP\_007406587.1 MORY|QBZ61080.1 NCRA|XP\_957188.3 SSCL|APA05848.1

>Orthogroup2417: ANID|CBF74319.1 BCIN|XP\_024553275.1 BGRA|VDB93947.1 CFRU|XP\_031883378.1 CGLO|KAF3800594.1 CHIG|XP\_018152084.1 CVIN|KAF4927110.1 CVYL|A13121 FGRM|XP\_011321295.1 MGRA|XP\_003854860.1 MLAR|XP\_007404721.1 MORY|QBZ61048.1 NCRA|XP\_963444.1 SSCL|APA13562.1

>Orthogroup2418: ANID|CBF74323.1 BCIN|XP\_024546885.1 BGRA|VDB93887.1 CFRU|XP\_031878065.1 CGLO|KAF3799574.1 CHIG|XP\_018154557.1 CVIN|KAF4926469.1 CVYL|A13434 FGRM|XP\_011323711.1 MGRA|XP\_003855662.1 MLAR|XP\_007403959.1 MORY|QBZ61076.1 NCRA|XP\_957183.2 SSCL|APA05854.1

>Orthogroup2419: ANID|CBF74326.1 BCIN|XP\_024553370.1 BGRA|VDB93729.1 CFRU|XP\_031882644.1 CGLO|KAF3799392.1 CHIG|XP\_018152260.1 CVIN|KAF4899301.1 CVYL|A13254 FGRM|XP\_011324621.1 MGRA|XP\_003854852.1 MLAR|XP\_007408714.1 MORY|QBZ53997.1 NCRA|XP\_956615.2 SSCL|APA13700.1

>Orthogroup2420: ANID|CBF74332.1 BCIN|XP\_001558620.1 BGRA|VDB93862.1 CFRU|XP\_031879449.1 CGLO|KAF3799649.1 CHIG|XP\_018154659.1 CVIN|KAF4922197.1 CVYL|A13512 FGRM|XP\_011315956.1 MGRA|XP\_003855654.1 MLAR|XP\_007412189.1 MORY|QBZ60970.1 NCRA|XP\_956119.2 SSCL|APA05681.1

>Orthogroup2421: ANID|CBF74349.1 BCIN|XP\_024549490.1 BGRA|VCU39997.1 CFRU|XP\_031882248.1 CGLO|KAF3804443.1 CHIG|XP\_018160266.1 CVIN|KAF4930968.1 CVYL|A04151 FGRM|XP\_011324514.1 MGRA|XP\_003856648.1 MLAR|XP\_007414682.1 MORY|QBZ54427.1 NCRA|XP\_961376.2 SSCL|APA09154.1

>Orthogroup2422: ANID|CBF74360.1 BCIN|XP\_024546698.1 BGRA|VDB90767.1 CFRU|XP\_031882844.1 CGLO|KAF3803439.1 CHIG|XP\_018164112.1 CVIN|KAF4926338.1 CVYL|A14368 FGRM|XP\_011326818.1 MGRA|XP\_003850722.1 MLAR|XP\_007409668.1 MORY|QBZ56469.1 NCRA|XP\_963785.3 SSCL|APA06552.1

>Orthogroup2423: ANID|CBF74371.1 BCIN|XP\_001556601.1 BCIN|XP\_024550005.1 BGRA|VDB89613.1 CFRU|XP\_031884717.1 CGLO|KAF3812211.1 CHIG|XP\_018153439.1 CVIN|KAF4920964.1 CVYL|A00172 FGRM|XP\_011316951.1 MGRA|XP\_003850765.1 MORY|QBZ55278.1 NCRA|XP\_964663.1 SSCL|APA06273.1

>Orthogroup2424: ANID|CBF74410.1 BCIN|XP\_024547307.1 BGRA|VDB83818.1 CFRU|XP\_031882084.1 CGLO|KAF3806023.1 CHIG|XP\_018164636.1 CVIN|KAF4917842.1 CVYL|A07489 FGRM|XP\_011325012.1 MGRA|XP\_003857683.1 MORY|QBZ64931.1 NCRA|XP\_958026.3 SSCL|APA09262.1 SSCL|APA14275.1

>Orthogroup2425: ANID|CBF74417.1 BCIN|XP\_024551917.1 BGRA|VDB89449.1 CFRU|XP\_031882722.1 CGLO|KAF3803390.1 CHIG|XP\_018163941.1 CVIN|KAF4918452.1 CVYL|A14320 FGRM|XP\_011316143.1 MGRA|XP\_003854589.1 MLAR|XP\_007410728.1 MORY|QBZ56006.1 NCRA|XP\_011393110.1 SSCL|APA06354.1

>Orthogroup2426: ANID|CBF74421.1 BCIN|XP\_001546630.1 BGRA|VDB89510.1 CFRU|XP\_031883908.1 CGLO|KAF3805062.1 CHIG|XP\_018163455.1 CVIN|KAF4902227.1 CVYL|A06498 FGRM|XP\_011318757.1 MGRA|XP\_003854977.1 MLAR|XP\_007411997.1 MORY|QBZ59533.1 NCRA|XP\_957491.2 SSCL|APA06344.1

>Orthogroup2427: ANID|CBF74423.1 BCIN|XP\_024551280.1 BGRA|VCU39474.1 CFRU|XP\_031880725.1 CGLO|KAF3811157.1 CHIG|XP\_018160346.1 CVIN|KAF4931272.1 CVYL|A04316 FGRM|XP\_011324729.1 MGRA|XP\_003854771.1 MLAR|XP\_007404835.1 MORY|QBZ58015.1 NCRA|XP\_961191.3 SSCL|APA10262.1

>Orthogroup2428: ANID|CBF74424.1 BCIN|XP\_001556700.1 BGRA|VDB85821.1 CFRU|XP\_031879851.1 CGLO|KAF3803018.1 CHIG|XP\_018153567.1 CVIN|KAF4929977.1 CVYL|A00031 FGRM|XP\_011316901.1 MGRA|XP\_003854990.1 MLAR|XP\_007413416.1 MORY|QBZ55446.1 NCRA|XP\_963910.1 SSCL|APA06006.1

>Orthogroup2429: ANID|CBF74428.1 BCIN|XP\_024551673.1 BGRA|VDB89543.1 CFRU|XP\_031879855.1 CGLO|KAF3803022.1 CHIG|XP\_018153570.1 CVIN|KAF4929972.1 CVYL|A00036 FGRM|XP\_011316900.1 MGRA|XP\_003855777.1 MLAR|XP\_007409311.1 MORY|QBZ55447.1 NCRA|XP\_963909.2 SSCL|APA06004.1

>Orthogroup2430: ANID|CBF74430.1 BCIN|XP\_001556825.1 BGRA|VDB89514.1 CFRU|XP\_031884021.1 CGLO|KAF3805164.1 CHIG|XP\_018163348.1 CVIN|KAF4927489.1 CVYL|A06586 FGRM|XP\_011321626.1 MGRA|XP\_003854739.1 MLAR|XP\_007414377.1 MORY|QBZ63293.1 NCRA|XP\_956915.1 SSCL|APA14601.1

>Orthogroup2431: ANID|CBF74440.1 BCIN|XP\_001559677.1 BGRA|VDB89323.1 CFRU|XP\_031879407.1 CGLO|KAF3799645.1 CHIG|XP\_018154655.1 CVIN|KAF4926442.1 CVYL|A13508 FGRM|XP\_011317259.1 MGRA|XP\_003857550.1 MLAR|XP\_007404923.1 MORY|QBZ61017.1 NCRA|XP\_963319.2 SSCL|APA09428.1

>Orthogroup2432: ANID|CBF74444.1 BCIN|XP\_001559995.1 BGRA|VDB89372.1 CFRU|XP\_031879451.1 CGLO|KAF3799647.1 CHIG|XP\_018154657.1 CVIN|KAF4926440.1 CVYL|A13510 FGRM|XP\_011315954.1 MGRA|XP\_003851665.1 MLAR|XP\_007404722.1 MORY|QBZ61011.1 NCRA|XP\_956507.1 SSCL|APA09986.1

>Orthogroup2433: ANID|CBF74461.1 ANID|CBF75209.1 BCIN|XP\_001559872.1 BGRA|VCU40023.1 CFRU|XP\_031882290.1 CGLO|KAF3804429.1 CVIN|KAF4930996.1 CVYL|A04135 FGRM|XP\_011326879.1 MGRA|XP\_003857085.1 MORY|QBZ54293.1 MORY|QBZ65217.1 NCRA|XP\_961108.1 SSCL|APA09727.1

>Orthogroup2434: ANID|CBF74475.1 BCIN|XP\_001557022.1 BGRA|VCU41080.1 CFRU|XP\_031885182.1 CGLO|KAF3807672.1 CHIG|XP\_018162895.1 CVIN|KAF4927828.1 CVYL|A06808 FGRM|XP\_011322918.1 FGRM|XP\_011325100.1 FGRM|XP\_011326281.1 MORY|QBZ55621.1 NCRA|XP\_011393755.1 SSCL|APA10247.1

>Orthogroup2435: ANID|CBF74476.1 BCIN|XP\_024551370.1 BGRA|VCU41010.1 CFRU|XP\_031884214.1 CGLO|KAF3806477.1 CHIG|XP\_018162373.1 CVIN|KAF4908630.1 CVYL|A12078 FGRM|XP\_011323911.1 MGRA|XP\_003853083.1 MLAR|XP\_007410952.1 MORY|QBZ61494.1 NCRA|XP\_957012.1 SSCL|APA10492.1

>Orthogroup2436: ANID|CBF74480.1 BCIN|XP\_024551504.1 CFRU|XP\_031892984.1 CGLO|KAF3808013.1 CHIG|XP\_018152367.1 CVIN|KAF4909492.1 CVYL|A09471 FGRM|XP\_011317742.1 MGRA|XP\_003857208.1 MLAR|XP\_007418257.1 MLAR|XP\_007418511.1 MORY|QBZ54211.1 NCRA|XP\_961277.3 SSCL|APA10197.1

>Orthogroup2437: ANID|CBF74493.1 BCIN|XP\_001555732.1 BGRA|VCU39814.1 CFRU|XP\_031892958.1 CGLO|KAF3808060.1 CHIG|XP\_018152764.1 CVIN|KAF4922851.1 CVYL|A08173 FGRM|XP\_011317974.1 MGRA|XP\_003857387.1 MLAR|XP\_007417210.1 MORY|QBZ54986.1 NCRA|XP\_011394488.1 SSCL|APA10300.1

>Orthogroup2438: ANID|CBF74496.1 BCIN|XP\_001555738.1 BGRA|VCU39817.1 CFRU|XP\_031893352.1 CGLO|KAF3808064.1 CHIG|XP\_018152759.1 CVIN|KAF4922855.1 CVYL|A08169 FGRM|XP\_011317970.1 MGRA|XP\_003852664.1 MLAR|XP\_007416215.1 MORY|QBZ54982.1 NCRA|XP\_961582.3 SSCL|APA10307.1

>Orthogroup2439: ANID|CBF74521.1 BCIN|XP\_001549887.2 BGRA|VDB84418.1 CFRU|XP\_031885187.1 CGLO|KAF3807643.1 CHIG|XP\_018162870.1 CVIN|KAF4927795.1 CVYL|A07808 FGRM|XP\_011327039.1 MGRA|XP\_003853360.1 MLAR|XP\_007414088.1 MORY|QBZ61321.1 NCRA|XP\_957310.3 SSCL|APA08228.1

>Orthogroup2440: ANID|CBF74523.1 BCIN|XP\_001555748.2 BGRA|VCU39809.1 CFRU|XP\_031893337.1 CGLO|KAF3808017.1 CHIG|XP\_018152364.1 CVIN|KAF4909499.1 CVYL|A09466 FGRM|XP\_011317760.1 MGRA|XP\_003857404.1 MLAR|XP\_007410967.1 MORY|QBZ58086.1 NCRA|XP\_960713.1 SSCL|APA10111.1

>Orthogroup2441: ANID|CBF74525.1 BCIN|XP\_001555749.1 BGRA|VCU39810.1 CFRU|XP\_031892990.1 CGLO|KAF3808016.1 CHIG|XP\_018152365.1 CVIN|KAF4909496.1 CVYL|A09467 FGRM|XP\_011317761.1 MGRA|XP\_003853094.1 MLAR|XP\_007403567.1 MORY|QBZ58085.1 NCRA|XP\_960712.1 SSCL|APA10112.1

>Orthogroup2442: ANID|CBF74545.1 BCIN|XP\_001559111.1 BGRA|VDB94009.1 CFRU|XP\_031887596.1 CGLO|KAF3811636.1 CHIG|XP\_018160911.1 CVIN|KAF4921457.1 CVYL|A03497 FGRM|XP\_011323580.1 MGRA|XP\_003856020.1 MLAR|XP\_007412637.1 MORY|QBZ56594.1 NCRA|XP\_964434.2 SSCL|APA09049.1

>Orthogroup2443: ANID|CBF74548.1 BCIN|XP\_001550890.2 CFRU|XP\_031887413.1 CGLO|KAF3809263.1 CHIG|XP\_018156098.1 CVIN|KAF4907391.1 CVYL|A01455 FGRM|XP\_011318901.1 MGRA|XP\_003848228.1 MLAR|XP\_007408321.1 MLAR|XP\_007408769.1 MORY|QBZ57393.1 NCRA|XP\_955852.2 SSCL|APA12403.1

>Orthogroup2444: ANID|CBF74560.1 BCIN|XP\_024552671.1 BGRA|VDB87763.1 CFRU|XP\_031885697.1 CHIG|XP\_018157836.1 CVIN|KAF4929142.1 CVYL|A02809 FGRM|XP\_011320319.1 MGRA|XP\_003853446.1 MLAR|XP\_007403480.1 MLAR|XP\_007414094.1 MORY|QBZ62135.1 NCRA|XP\_957525.1 SSCL|APA15544.1

>Orthogroup2445: ANID|CBF74569.1 BCIN|XP\_024552500.1 BGRA|VDB87684.1 CFRU|XP\_031885700.1 CGLO|KAF3810210.1 CHIG|XP\_018157832.1 CVYL|A02806 FGRM|XP\_011320322.1 MGRA|XP\_003853066.1 MLAR|XP\_007409133.1 MLAR|XP\_007418431.1 MORY|QBZ62138.1 NCRA|XP\_957605.1 SSCL|APA08501.1

>Orthogroup2446: ANID|CBF74571.1 BCIN|XP\_024552501.1 BGRA|VDB84265.1 CFRU|XP\_031885699.1 CGLO|KAF3810211.1 CHIG|XP\_018157834.1 CVIN|KAF4929144.1 CVYL|A02807 FGRM|XP\_011320321.1 MGRA|XP\_003853347.1 MLAR|XP\_007410333.1 MORY|QBZ62139.1 NCRA|XP\_011394892.1 SSCL|APA08500.1

>Orthogroup2447: ANID|CBF74576.1 BCIN|XP\_001551314.1 BGRA|VCU39705.1 CFRU|XP\_031876381.1 CGLO|KAF3797773.1 CHIG|XP\_018156443.1 CVIN|KAF4918830.1 CVYL|A02992 FGRM|XP\_011318772.1 MGRA|XP\_003852899.1 MLAR|XP\_007408997.1 MORY|QBZ63673.1 NCRA|XP\_960070.1 SSCL|APA07588.1

>Orthogroup2448: ANID|CBF74593.1 ANID|CBF77438.1 ANID|CBF81560.1 BCIN|XP\_001557080.1 BCIN|XP\_024546756.1 CFRU|XP\_031877483.1 CHIG|XP\_018161260.1 CVIN|KAF4921644.1 CVYL|A01977 FGRM|XP\_011315678.1 FGRM|XP\_011320722.1 FGRM|XP\_011327367.1 MGRA|XP\_003856069.1 SSCL|APA08525.1

>Orthogroup2449: ANID|CBF74685.1 BCIN|XP\_024548751.1 BCIN|XP\_024548828.1 CFRU|XP\_031879064.1 CGLO|KAF3798829.1 CHIG|XP\_018151216.1 CVIN|KAF4919569.1 CVYL|A09104 FGRM|XP\_011320901.1 MORY|QBZ53552.1 MORY|QBZ61708.1 NCRA|XP\_962940.2 SSCL|APA09609.1 SSCL|APA09742.1

>Orthogroup2450: ANID|CBF74700.1 BCIN|XP\_024551176.1 BGRA|VCU39773.1 CFRU|XP\_031883202.1 CGLO|KAF3808154.1 CVIN|KAF4924313.1 CVYL|A00505 FGRM|XP\_011326232.1 MGRA|XP\_003846867.1 MGRA|XP\_003856247.1 MLAR|XP\_007409258.1 MORY|QBZ63086.1 NCRA|XP\_001728095.2 SSCL|APA10174.1

>Orthogroup2451: ANID|CBF74736.1 BCIN|XP\_001551365.1 BGRA|VCU39505.1 CFRU|XP\_031876929.1 CGLO|KAF3810726.1 CHIG|XP\_018162585.1 CVIN|KAF4932127.1 CVYL|A07227 FGRM|XP\_011323970.1 MGRA|XP\_003852753.1 MLAR|XP\_007405386.1 MORY|QBZ63897.1 NCRA|XP\_956174.2 SSCL|APA10399.1

>Orthogroup2452: ANID|CBF74745.1 BCIN|XP\_024551290.1 BGRA|VCU39522.1 CFRU|XP\_031893493.1 CGLO|KAF3808001.1 CHIG|XP\_018152378.1 CVIN|KAF4895814.1 CVYL|A09481 FGRM|XP\_011317731.1 MGRA|XP\_003852145.1 MLAR|XP\_007413280.1 MORY|QBZ58066.1 NCRA|XP\_011394701.1 SSCL|APA10245.1

>Orthogroup2453: ANID|CBF74771.1 BCIN|XP\_001548049.1 BGRA|VDB89116.1 CFRU|XP\_031886779.1 CGLO|KAF3801238.1 CHIG|XP\_018162621.1 CVIN|KAF4932119.1 CVYL|A07091 FGRM|XP\_011326657.1 MGRA|XP\_003856298.1 MLAR|XP\_007412905.1 MORY|QBZ59589.1 NCRA|XP\_001728209.1 SSCL|APA10517.1

>Orthogroup2454: ANID|CBF74777.1 BCIN|XP\_001554192.2 BGRA|VCU39771.1 CFRU|XP\_031886415.1 CGLO|KAF3806356.1 CHIG|XP\_018162237.1 CVIN|KAF4923255.1 CVYL|A11945 FGRM|XP\_011324046.1 MGRA|XP\_003852018.1 MLAR|XP\_007410162.1 MORY|QBZ61604.1 NCRA|XP\_955951.1 SSCL|APA10171.1

>Orthogroup2455: ANID|CBF74811.1 BCIN|XP\_024549794.1 BGRA|VDB83666.1 CFRU|XP\_031882531.1 CGLO|KAF3803929.1 CHIG|XP\_018151015.1 CVYL|A08872 FGRM|XP\_011321766.1 FGRM|XP\_011323825.1 MGRA|XP\_003848989.1 MLAR|XP\_007408868.1 MORY|QBZ58794.1 NCRA|XP\_961922.1 SSCL|APA05745.1

>Orthogroup2456: ANID|CBF74819.1 BCIN|XP\_001547107.1 BGRA|VDB83575.1 CFRU|XP\_031876535.1 CGLO|KAF3811476.1 CHIG|XP\_018160729.1 CVIN|KAF4907411.1 CVYL|A04680 FGRM|XP\_011317771.1 MGRA|XP\_003848889.1 MLAR|XP\_007407413.1 MORY|QBZ56599.1 NCRA|XP\_962679.1 SSCL|APA08389.1

>Orthogroup2457: ANID|CBF74821.1 BCIN|XP\_024549628.1 BGRA|VDB83696.1 CFRU|XP\_031885437.1 CGLO|KAF3798656.1 CHIG|XP\_018157504.1 CVIN|KAF4919444.1 CVYL|A09394 FGRM|XP\_011324838.1 MGRA|XP\_003848964.1 MLAR|XP\_007409521.1 MORY|QBZ64518.1 NCRA|XP\_961771.2 SSCL|APA05755.1

>Orthogroup2458: ANID|CBF74823.1 BCIN|XP\_001551503.1 BGRA|VDB83695.1 CFRU|XP\_031885383.1 CGLO|KAF3798657.1 CHIG|XP\_018157503.1 CVIN|KAF4919458.1 CVYL|A09395 FGRM|XP\_011324789.1 MGRA|XP\_003848873.1 MLAR|XP\_007414864.1 MORY|QBZ64517.1 NCRA|XP\_001728322.1 SSCL|APA05754.1

>Orthogroup2459: ANID|CBF74831.1 BCIN|XP\_001551515.2 BGRA|VCU40181.1 CFRU|XP\_031880524.1 CGLO|KAF3811515.1 CHIG|XP\_018160772.1 CVIN|KAF4926767.1 CVYL|A04723 FGRM|XP\_011317814.1 MGRA|XP\_003849235.1 MLAR|XP\_007409212.1 MLAR|XP\_007409396.1 NCRA|XP\_961916.2 SSCL|APA05766.1

>Orthogroup2460: ANID|CBF74833.1 BCIN|XP\_001551508.1 BGRA|VDB83719.1 CFRU|XP\_031880522.1 CGLO|KAF3811509.1 CHIG|XP\_018160764.1 CVIN|KAF4926764.1 CVYL|A04715 FGRM|XP\_011317806.1 MGRA|XP\_003855470.1 MLAR|XP\_007412748.1 MORY|QBZ58785.1 NCRA|XP\_961727.1 SSCL|APA05758.1

>Orthogroup2461: ANID|CBF74837.1 BCIN|XP\_001551510.1 BGRA|VCU40207.1 CFRU|XP\_031880598.1 CGLO|KAF3811510.1 CHIG|XP\_018160766.1 CVIN|KAF4926762.1 CVYL|A04717 FGRM|XP\_011317808.1 MGRA|XP\_003848753.1 MLAR|XP\_007404518.1 MORY|QBZ58734.1 NCRA|XP\_961909.1 SSCL|APA05760.1

>Orthogroup2462: ANID|CBF74847.1 BCIN|XP\_024546296.1 BGRA|VDB91088.1 CFRU|XP\_031882915.1 CGLO|KAF3812060.1 CHIG|XP\_018164183.1 CVIN|KAF4923662.1 CVYL|A14237 FGRM|XP\_011326791.1 MGRA|XP\_003852647.1 MLAR|XP\_007411883.1 MORY|QBZ63787.1 NCRA|XP\_959160.2 SSCL|APA06928.1

>Orthogroup2463: ANID|CBF74864.1 BCIN|XP\_001548645.1 BGRA|VDB83877.1 CFRU|XP\_031884510.1 CGLO|KAF3799681.1 CHIG|XP\_018158273.1 CVIN|KAF4919961.1 CVYL|A05845 FGRM|XP\_011316517.1 MGRA|XP\_003855887.1 MLAR|XP\_007412974.1 MORY|QBZ59230.1 NCRA|XP\_965581.1 SSCL|APA09633.1

>Orthogroup2464: ANID|CBF74884.1 BCIN|XP\_024549623.1 BGRA|VCU40198.1 CFRU|XP\_031880525.1 CGLO|KAF3811511.1 CHIG|XP\_018160767.1 CVIN|KAF4926761.1 CVYL|A04718 FGRM|XP\_011317809.1 MGRA|XP\_003848900.1 MLAR|XP\_007414193.1 MORY|QBZ58733.1 NCRA|XP\_961910.2 SSCL|APA05761.1

>Orthogroup2465: ANID|CBF74893.1 ANID|CBF81380.1 BCIN|XP\_001548354.1 CFRU|XP\_031880944.1 CGLO|KAF3807005.1 CHIG|XP\_018159680.1 CVIN|KAF4895119.1 CVYL|A06300 FGRM|XP\_011320506.1 MGRA|XP\_003854356.1 MLAR|XP\_007416475.1 MORY|QBZ61871.1 NCRA|XP\_960520.1 SSCL|APA06950.1

>Orthogroup2466: ANID|CBF74930.1 ANID|CBF81031.1 ANID|CBF84024.1 BCIN|XP\_001559149.1 BCIN|XP\_024553119.1 CFRU|XP\_031891606.1 CGLO|KAF3804635.1 CHIG|XP\_018161985.1 CVIN|KAF4919096.1 CVYL|A05250 FGRM|XP\_011318700.1 FGRM|XP\_011325201.1 SSCL|APA08953.1 SSCL|APA16343.1

>Orthogroup2467: ANID|CBF74996.1 BCIN|XP\_001557506.1 BCIN|XP\_024546801.1 CFRU|XP\_031877663.1 CFRU|XP\_031882099.1 CGLO|KAF3801097.1 CHIG|XP\_018153748.1 CVIN|KAF4909546.1 CVYL|A11298 FGRM|XP\_011315632.1 FGRM|XP\_011326107.1 MGRA|XP\_003852405.1 MGRA|XP\_003854716.1 MORY|QBZ59772.1

>Orthogroup2468: ANID|CBF75018.1 BCIN|XP\_001558673.1 BGRA|VDB91004.1 CFRU|XP\_031882738.1 CGLO|KAF3803411.1 CHIG|XP\_018163923.1 CVIN|KAF4918439.1 CVYL|A14339 FGRM|XP\_011316876.1 MGRA|XP\_003851730.1 MLAR|XP\_007406794.1 MORY|QBZ63193.1 NCRA|XP\_964959.2 SSCL|APA05446.1

>Orthogroup2469: ANID|CBF75048.1 BCIN|XP\_001558705.2 BGRA|VDB91020.1 CFRU|XP\_031888312.1 CGLO|KAF3803546.1 CHIG|XP\_018164144.1 CVIN|KAF4922249.1 CVYL|A14479 FGRM|XP\_011316155.1 MGRA|XP\_003853758.1 MLAR|XP\_007407427.1 MORY|QBZ56435.1 NCRA|XP\_964696.1 SSCL|APA05468.1

>Orthogroup2470: ANID|CBF75050.1 BCIN|XP\_024548000.1 BGRA|VDB91061.1 CFRU|XP\_031888540.1 CGLO|KAF3803752.1 CHIG|XP\_018153161.1 CVIN|KAF4912469.1 CVYL|A14132 FGRM|XP\_011316017.1 MGRA|XP\_003851647.1 MLAR|XP\_007405618.1 MORY|QBZ59760.1 NCRA|XP\_965092.3 SSCL|APA08332.1

>Orthogroup2471: ANID|CBF75060.1 BCIN|XP\_001546495.1 BGRA|VDB91167.1 CFRU|XP\_031890473.1 CGLO|KAF3804931.1 CHIG|XP\_018164433.1 CVIN|KAF4919431.1 CVYL|A12123 FGRM|XP\_011324187.1 MGRA|XP\_003851498.1 MLAR|XP\_007415249.1 MORY|QBZ56394.1 NCRA|XP\_964826.1 SSCL|APA08418.1

>Orthogroup2472: ANID|CBF75062.1 BCIN|XP\_024547942.1 BGRA|VDB91168.1 CFRU|XP\_031890465.1 CGLO|KAF3804930.1 CHIG|XP\_018164431.1 CVIN|KAF4919408.1 CVYL|A12124 FGRM|XP\_011324190.1 MGRA|XP\_003851845.1 MLAR|XP\_007414229.1 MORY|QBZ56392.1 NCRA|XP\_964824.1 SSCL|APA08417.1

>Orthogroup2473: ANID|CBF75064.1 BCIN|XP\_001549097.1 BGRA|VDB90909.1 CFRU|XP\_031888357.1 CGLO|KAF3803619.1 CHIG|XP\_018163846.1 CVIN|KAF4920357.1 CVYL|A14551 FGRM|XP\_011326548.1 MGRA|XP\_003851747.1 MLAR|XP\_007418509.1 MORY|QBZ63197.1 NCRA|XP\_963951.1 SSCL|APA06224.1

>Orthogroup2474: ANID|CBF75090.1 BCIN|XP\_001554074.2 BGRA|VDB90888.1 CFRU|XP\_031888228.1 CGLO|KAF3803637.1 CHIG|XP\_018163822.1 CVIN|KAF4913951.1 CVYL|A14572 FGRM|XP\_011317062.1 MGRA|XP\_003851703.1 MLAR|XP\_007407825.1 MORY|QBZ54694.1 NCRA|XP\_011393384.1 SSCL|APA05565.1

>Orthogroup2475: ANID|CBF75092.1 BCIN|XP\_001554075.1 BGRA|VDB90884.1 CFRU|XP\_031888379.1 CGLO|KAF3803636.1 CHIG|XP\_018163823.1 CVIN|KAF4913946.1 CVYL|A14571 FGRM|XP\_011317063.1 MGRA|XP\_003851920.1 MLAR|XP\_007407293.1 MORY|QBZ54693.1 NCRA|XP\_011393386.1 SSCL|APA05564.1

>Orthogroup2476: ANID|CBF75121.1 BCIN|XP\_024548776.1 BGRA|VDB83900.1 CFRU|XP\_031890462.1 CGLO|KAF3805277.1 CHIG|XP\_018158597.1 CVIN|KAF4901289.1 CVYL|A13928 FGRM|XP\_011328412.1 MGRA|XP\_003857142.1 MLAR|XP\_007418314.1 MORY|QBZ55949.1 NCRA|XP\_965687.2 SSCL|APA09698.1

>Orthogroup2477: ANID|CBF75125.1 BCIN|XP\_024552661.1 BGRA|VCU39955.1 BGRA|VCU39956.1 CFRU|XP\_031885713.1 CGLO|KAF3810149.1 CHIG|XP\_018157981.1 CVIN|KAF4929099.1 CVYL|A02739 FGRM|XP\_011328546.1 MLAR|XP\_007418242.1 MORY|QBZ64389.1 NCRA|XP\_960436.1 SSCL|APA15557.1

>Orthogroup2478: ANID|CBF75138.1 BCIN|XP\_024546492.1 BGRA|VDB90712.1 CFRU|XP\_031892363.1 CGLO|KAF3803046.1 CGLO|KAF3803047.1 CHIG|XP\_018153592.1 CVIN|KAF4929980.1 CVYL|A00058 FGRM|XP\_011316066.1 FGRM|XP\_011322577.1 MORY|QBZ63007.1 NCRA|XP\_958867.2 SSCL|APA06756.1

>Orthogroup2479: ANID|CBF75184.1 BCIN|XP\_001553932.1 BGRA|VCU39269.1 CFRU|XP\_031878768.1 CGLO|KAF3797564.1 CHIG|XP\_018151103.1 CVIN|KAF4923593.1 CVYL|A08982 FGRM|XP\_011323493.1 MGRA|XP\_003849685.1 MLAR|XP\_007404619.1 MORY|QBZ64240.1 NCRA|XP\_962569.1 SSCL|APA13110.1

>Orthogroup2480: ANID|CBF75207.1 BCIN|XP\_024548759.1 BGRA|VDB89182.1 CFRU|XP\_031882295.1 CGLO|KAF3804432.1 CHIG|XP\_018160254.1 CVIN|KAF4930899.1 CVYL|A04138 FGRM|XP\_011324520.1 MGRA|XP\_003850640.1 MLAR|XP\_007404546.1 MORY|QBZ54290.1 NCRA|XP\_961359.3 SSCL|APA09726.1

>Orthogroup2481: ANID|CBF75211.1 BCIN|XP\_001559621.1 BGRA|VDB89192.1 CFRU|XP\_031882288.1 CGLO|KAF3804430.1 CHIG|XP\_018160252.1 CVIN|KAF4930998.1 CVYL|A04136 FGRM|XP\_011324518.1 MGRA|XP\_003850598.1 MLAR|XP\_007412611.1 MORY|QBZ54292.1 NCRA|XP\_961106.1 SSCL|APA09392.1

>Orthogroup2482: ANID|CBF75213.1 BCIN|XP\_001559620.1 BGRA|VDB89191.1 CFRU|XP\_031882296.1 CGLO|KAF3804431.1 CHIG|XP\_018160253.1 CVIN|KAF4930902.1 CVYL|A04137 FGRM|XP\_011324519.1 MGRA|XP\_003851256.1 MLAR|XP\_007405271.1 MORY|QBZ54291.1 NCRA|XP\_961358.1 SSCL|APA09391.1

>Orthogroup2483: ANID|CBF75230.1 BCIN|XP\_024548770.1 BGRA|VDB89270.1 CFRU|XP\_031882183.1 CGLO|KAF3804427.1 CHIG|XP\_018160249.1 CVIN|KAF4930903.1 CVYL|A04133 FGRM|XP\_011326882.1 MGRA|XP\_003851264.1 MLAR|XP\_007408493.1 MORY|QBZ53849.1 NCRA|XP\_961110.1 SSCL|APA09710.1

>Orthogroup2484: ANID|CBF75261.1 BCIN|XP\_024546026.1 BGRA|VCU39824.1 CFRU|XP\_031889971.1 CGLO|KAF3802859.1 CHIG|XP\_018158459.1 CVIN|KAF4899965.1 CVYL|A05151 FGRM|XP\_011316387.1 MGRA|XP\_003853305.1 MLAR|XP\_007410603.1 MORY|QBZ55914.1 NCRA|XP\_964811.1 SSCL|APA07302.1

>Orthogroup2485: ANID|CBF75263.1 BCIN|XP\_001555643.1 BGRA|VDB92794.1 CFRU|XP\_031889970.1 CGLO|KAF3802858.1 CHIG|XP\_018158463.1 CVIN|KAF4923849.1 CVYL|A05150 FGRM|XP\_011316388.1 MGRA|XP\_003853099.1 MLAR|XP\_007417874.1 MORY|QBZ55913.1 NCRA|XP\_964812.2 SSCL|APA07303.1

>Orthogroup2486: ANID|CBF75267.1 BCIN|XP\_001548531.1 BGRA|VDB92585.1 CFRU|XP\_031889596.1 CGLO|KAF3810571.1 CHIG|XP\_018159025.1 CVIN|KAF4914224.1 CVYL|A13650 FGRM|XP\_011328348.1 MGRA|XP\_003852702.1 MLAR|XP\_007418651.1 MORY|QBZ57350.1 NCRA|XP\_011395353.1 SSCL|APA07227.1

>Orthogroup2487: ANID|CBF75283.1 BCIN|XP\_001560460.1 BGRA|VCU39881.1 CFRU|XP\_031889545.1 CGLO|KAF3810476.1 CHIG|XP\_018159131.1 CVIN|KAF4924633.1 CVYL|A14078 FGRM|XP\_011317187.1 MGRA|XP\_003852063.1 MLAR|XP\_007408190.1 MORY|QBZ56383.1 NCRA|XP\_965342.2 SSCL|APA15714.1

>Orthogroup2488: ANID|CBF75287.1 BCIN|XP\_024545913.1 BGRA|VCU39840.1 CFRU|XP\_031889910.1 CGLO|KAF3810583.1 CHIG|XP\_018159019.1 CVIN|KAF4914200.1 CVYL|A13663 FGRM|XP\_011315944.1 MGRA|XP\_003853570.1 MLAR|XP\_007406923.1 MORY|QBZ57344.1 NCRA|XP\_011395184.1 SSCL|APA07328.1

>Orthogroup2489: ANID|CBF75298.1 BCIN|XP\_001548523.1 BGRA|VCU39826.1 CFRU|XP\_031889523.1 CGLO|KAF3810586.1 CHIG|XP\_018159015.1 CVIN|KAF4914203.1 CVYL|A13666 FGRM|XP\_011316586.1 MGRA|XP\_003852124.1 MLAR|XP\_007408347.1 MORY|QBZ57347.1 NCRA|XP\_959627.2 SSCL|APA07233.1

>Orthogroup2490: ANID|CBF75300.1 BCIN|XP\_024546314.1 BGRA|VDB90749.1 CFRU|XP\_031888241.1 CGLO|KAF3803477.1 CHIG|XP\_018164007.1 CVIN|KAF4926324.1 CVYL|A14406 FGRM|XP\_011316867.1 MGRA|XP\_003855931.1 MLAR|XP\_007414392.1 MORY|QBZ55350.1 NCRA|XP\_957081.1 SSCL|APA06909.1

>Orthogroup2491: ANID|CBF75302.1 BCIN|XP\_024549021.1 BGRA|VDB93303.1 CFRU|XP\_031884661.1 CGLO|KAF3799686.1 CHIG|XP\_018158277.1 CVIN|KAF4919963.1 CVYL|A05849 FGRM|XP\_011316511.1 MGRA|XP\_003857722.1 MLAR|XP\_007415993.1 MORY|QBZ54147.1 NCRA|XP\_011393215.1 SSCL|APA09294.1

>Orthogroup2492: ANID|CBF75324.1 BCIN|XP\_001559963.2 BGRA|VDB93251.1 CFRU|XP\_031890608.1 CGLO|KAF3805269.1 CHIG|XP\_018158805.1 CVIN|KAF4918679.1 CVYL|A13918 FGRM|XP\_011316673.1 MGRA|XP\_003857794.1 MLAR|XP\_007405168.1 MORY|QBZ60399.1 NCRA|XP\_011393083.1 SSCL|APA09781.1

>Orthogroup2493: ANID|CBF75330.1 BCIN|XP\_001548399.1 BGRA|VDB92651.1 CFRU|XP\_031884666.1 CGLO|KAF3799072.1 CHIG|XP\_018158186.1 CVIN|KAF4918246.1 CVYL|A11457 FGRM|XP\_011328382.1 MGRA|XP\_003856110.1 MLAR|XP\_007416817.1 MORY|QBZ54108.1 NCRA|XP\_964355.3 SSCL|APA09266.1

>Orthogroup2494: ANID|CBF75334.1 BCIN|XP\_024548727.1 BGRA|VDB93252.1 CFRU|XP\_031890607.1 CGLO|KAF3805270.1 CHIG|XP\_018158804.1 CVIN|KAF4901293.1 CVYL|A13919 FGRM|XP\_011316671.1 MGRA|XP\_003855869.1 MLAR|XP\_007414748.1 MORY|QBZ60398.1 NCRA|XP\_964973.1 SSCL|APA09780.1

>Orthogroup2495: ANID|CBF75336.1 BCIN|XP\_001559960.1 BGRA|VCU40228.1 CFRU|XP\_031884447.1 CGLO|KAF3799760.1 CHIG|XP\_018158243.1 CVIN|KAF4918956.1 CVYL|A11335 FGRM|XP\_011328583.1 MGRA|XP\_003857770.1 MLAR|XP\_007408734.1 MORY|QBZ55859.1 NCRA|XP\_964547.1 SSCL|APA09778.1

>Orthogroup2496: ANID|CBF75360.1 BCIN|XP\_024549118.1 BGRA|VCU39864.1 CFRU|XP\_031889845.1 CGLO|KAF3810548.1 CHIG|XP\_018159049.1 CVIN|KAF4895561.1 CVYL|A13625 FGRM|XP\_011328367.1 MGRA|XP\_003853052.1 MLAR|XP\_007409780.1 MORY|QBZ54519.1 NCRA|XP\_959814.1 SSCL|APA08852.1

>Orthogroup2497: ANID|CBF75362.1 BCIN|XP\_001556552.1 BGRA|VDB89199.1 CFRU|XP\_031885560.1 CGLO|KAF3810156.1 CHIG|XP\_018157990.1 CVIN|KAF4929161.1 CVYL|A02746 FGRM|XP\_011320371.1 MGRA|XP\_003852691.1 MLAR|XP\_007410392.1 MORY|QBZ62636.1 NCRA|XP\_960368.3 SSCL|APA06482.1

>Orthogroup2498: ANID|CBF75366.1 BCIN|XP\_024546252.1 BGRA|VCU39833.1 CFRU|XP\_031889798.1 CGLO|KAF3805880.1 CHIG|XP\_018158888.1 CVIN|KAF4920789.1 CVYL|A13833 FGRM|XP\_011316682.1 MGRA|XP\_003856278.1 MLAR|XP\_007406443.1 MORY|QBZ60523.1 NCRA|XP\_964108.1 SSCL|APA06974.1

>Orthogroup2499: ANID|CBF75370.1 BCIN|XP\_001555541.1 BGRA|VDB92477.1 CFRU|XP\_031889765.1 CGLO|KAF3805902.1 CHIG|XP\_018158915.1 CVIN|KAF4920794.1 CVYL|A13810 FGRM|XP\_011315912.1 MGRA|XP\_003856279.1 MLAR|XP\_007406510.1 MORY|QBZ60520.1 NCRA|XP\_965790.2 SSCL|APA07418.1

>Orthogroup2500: ANID|CBF75390.1 BCIN|XP\_024549080.1 BGRA|VDB91361.1 CFRU|XP\_031890515.1 CGLO|KAF3806765.1 CHIG|XP\_018158782.1 CVIN|KAF4919472.1 CVYL|A04978 FGRM|XP\_011316362.1 MGRA|XP\_003852101.1 MLAR|XP\_007411538.1 MORY|QBZ60361.1 NCRA|XP\_965260.3 SSCL|APA15867.1

>Orthogroup2501: ANID|CBF75402.1 BCIN|XP\_001553859.1 BGRA|VDB92678.1 CFRU|XP\_031878654.1 CGLO|KAF3797556.1 CHIG|XP\_018151110.1 CVIN|KAF4923594.1 CVYL|A08991 FGRM|XP\_011323496.1 MGRA|XP\_003850083.1 MLAR|XP\_007406113.1 MORY|QBZ64067.1 NCRA|XP\_962572.1 SSCL|APA13077.1

>Orthogroup2502: ANID|CBF75403.1 BCIN|XP\_001552196.1 BGRA|VCU39497.1 CFRU|XP\_031887645.1 CGLO|KAF3803192.1 CHIG|XP\_018161030.1 CVIN|KAF4920204.1 CVYL|A03622 FGRM|XP\_011323811.1 MGRA|XP\_003849260.1 MLAR|XP\_007410406.1 MORY|QBZ58842.1 NCRA|XP\_011394325.1 SSCL|APA13010.1

>Orthogroup2503: ANID|CBF75419.1 BCIN|XP\_001557471.1 BGRA|VCU41043.1 CFRU|XP\_031885218.1 CGLO|KAF3807692.1 CHIG|XP\_018162919.1 CVIN|KAF4927831.1 CVYL|A06885 FGRM|XP\_011326259.1 MGRA|XP\_003849195.1 MLAR|XP\_007418974.1 MORY|QBZ59694.1 NCRA|XP\_957698.1 SSCL|APA10639.1

>Orthogroup2504: ANID|CBF75448.1 BCIN|XP\_001561244.1 BGRA|VDB92929.1 CFRU|XP\_031882801.1 CFRU|XP\_031882872.1 CGLO|KAF3812044.1 CHIG|XP\_018164166.1 CVIN|KAF4923659.1 CVYL|A14223 FGRM|XP\_011326776.1 MGRA|XP\_003851319.1 MORY|QBZ63236.1 NCRA|XP\_964426.3 SSCL|APA07217.1

>Orthogroup2505: ANID|CBF75454.1 BCIN|XP\_001556517.2 BGRA|VDB92425.1 CFRU|XP\_031890500.1 CGLO|KAF3804831.1 CHIG|XP\_018164307.1 CVIN|KAF4929784.1 CVYL|A12242 FGRM|XP\_011324157.1 MGRA|XP\_003850703.1 MLAR|XP\_007417411.1 MORY|QBZ63542.1 NCRA|XP\_964222.1 SSCL|APA06504.1

>Orthogroup2506: ANID|CBF75456.1 BCIN|XP\_024546407.1 BGRA|VCU41225.1 CFRU|XP\_031882802.1 CGLO|KAF3812045.1 CHIG|XP\_018164167.1 CVIN|KAF4923698.1 CVYL|A14224 FGRM|XP\_011326777.1 MGRA|XP\_003850629.1 MLAR|XP\_007412753.1 MORY|QBZ63229.1 NCRA|XP\_011393132.1 SSCL|APA07222.1

>Orthogroup2507: ANID|CBF75460.1 BCIN|XP\_024546581.1 BGRA|VDB92507.1 CFRU|XP\_031879933.1 CGLO|KAF3798983.1 CHIG|XP\_018152890.1 CVIN|KAF4923453.1 CVYL|A07904 FGRM|XP\_011324193.1 MGRA|XP\_003851240.1 MLAR|XP\_007411843.1 MORY|QBZ53412.1 NCRA|XP\_958140.1 SSCL|APA06491.1

>Orthogroup2508: ANID|CBF75466.1 BCIN|XP\_024546408.1 BGRA|VDB92926.1 CFRU|XP\_031890486.1 CGLO|KAF3804908.1 CHIG|XP\_018164355.1 CVIN|KAF4909781.1 CVYL|A12150 FGRM|XP\_011316796.1 MGRA|XP\_003851244.1 MLAR|XP\_007413885.1 MORY|QBZ56442.1 NCRA|XP\_963947.3 SSCL|APA07224.1

>Orthogroup2509: ANID|CBF75476.1 BCIN|XP\_001561243.1 BGRA|VDB86371.1 CFRU|XP\_031890569.1 CGLO|KAF3804893.1 CHIG|XP\_018164369.1 CVIN|KAF4921177.1 CVYL|A12168 FGRM|XP\_011317156.1 MGRA|XP\_003851212.1 MLAR|XP\_007405230.1 MORY|QBZ55301.1 NCRA|XP\_964024.3 SSCL|APA07218.1

>Orthogroup2510: ANID|CBF75480.1 BCIN|XP\_024549386.1 BGRA|VDB92950.1 CFRU|XP\_031888391.1 CGLO|KAF3803704.1 CHIG|XP\_018163747.1 CVIN|KAF4928554.1 CVYL|A14636 FGRM|XP\_011326812.1 MGRA|XP\_003851108.1 MLAR|XP\_007415291.1 MORY|QBZ54622.1 NCRA|XP\_965056.2 SSCL|APA09037.1

>Orthogroup2511: ANID|CBF75482.1 BCIN|XP\_024546682.1 BGRA|VDB92962.1 CFRU|XP\_031888394.1 CGLO|KAF3803703.1 CHIG|XP\_018163748.1 CVIN|KAF4928531.1 CVYL|A14635 FGRM|XP\_011326810.1 MGRA|XP\_003850737.1 MLAR|XP\_007411530.1 MORY|QBZ54621.1 NCRA|XP\_011393310.1 SSCL|APA06530.1

>Orthogroup2512: ANID|CBF75486.1 BCIN|XP\_001556484.1 BGRA|VDB92963.1 CFRU|XP\_031888396.1 CGLO|KAF3803701.1 CHIG|XP\_018163750.1 CVIN|KAF4928553.1 CVYL|A14633 FGRM|XP\_011326808.1 MGRA|XP\_003851065.1 MLAR|XP\_007409736.1 MORY|QBZ54619.1 NCRA|XP\_963879.1 SSCL|APA06532.1

>Orthogroup2513: ANID|CBF75495.1 BCIN|XP\_024547220.1 CFRU|XP\_031881944.1 CHIG|XP\_018164476.1 CHIG|XP\_018164477.1 CVIN|KAF4911580.1 FGRM|XP\_011327842.1 FGRM|XP\_011327843.1 MGRA|XP\_003851861.1 MLAR|XP\_007404543.1 MLAR|XP\_007414930.1 MORY|QBZ60552.1 NCRA|XP\_011395164.1 SSCL|APA14148.1

>Orthogroup2514: ANID|CBF75499.1 BCIN|XP\_024553165.1 BGRA|VDB89001.1 CFRU|XP\_031891672.1 CGLO|KAF3800133.1 CHIG|XP\_018165067.1 CVIN|KAF4925871.1 CVYL|A06822 FGRM|XP\_011327674.1 MGRA|XP\_003851610.1 MLAR|XP\_007416870.1 MLAR|XP\_007417763.1 NCRA|XP\_958448.1 SSCL|APA13418.1

>Orthogroup2515: ANID|CBF75510.1 BCIN|XP\_001546585.2 BGRA|VCU39598.1 CFRU|XP\_031877606.1 CGLO|KAF3801072.1 CHIG|XP\_018153720.1 CVIN|KAF4902050.1 CVYL|A00057 FGRM|XP\_011327792.1 MLAR|XP\_007406747.1 MLAR|XP\_007412882.1 MORY|QBZ62344.1 NCRA|XP\_959221.3 SSCL|APA14119.1

>Orthogroup2516: ANID|CBF75527.1 BCIN|XP\_024553177.1 BGRA|VDB88961.1 CFRU|XP\_031877673.1 CGLO|KAF3801062.1 CHIG|XP\_018153708.1 CVIN|KAF4912158.1 CVYL|A00157 FGRM|XP\_011327830.1 MGRA|XP\_003851868.1 MLAR|XP\_007409132.1 MORY|QBZ59014.1 NCRA|XP\_959603.2 SSCL|APA13436.1

>Orthogroup2517: ANID|CBF75533.1 BCIN|XP\_001546569.1 BGRA|VCU40054.1 CFRU|XP\_031892113.1 CGLO|KAF3800064.1 CHIG|XP\_018165013.1 CVIN|KAF4919344.1 CVYL|A06763 FGRM|XP\_011324991.1 MGRA|XP\_003851555.1 MLAR|XP\_007404532.1 MORY|QBZ60010.1 NCRA|XP\_956336.3 SSCL|APA14127.1

>Orthogroup2518: ANID|CBF75535.1 BCIN|XP\_001547614.1 BGRA|VDB89019.1 CFRU|XP\_031881963.1 CGLO|KAF3806157.1 CHIG|XP\_018164504.1 CVIN|KAF4891768.1 CVYL|A07350 FGRM|XP\_011325046.1 MGRA|XP\_003851964.1 MLAR|XP\_007404260.1 MORY|QBZ59008.1 NCRA|XP\_959711.1 SSCL|APA14322.1

>Orthogroup2519: ANID|CBF75541.1 BCIN|XP\_024547189.1 BGRA|VCU39589.1 CFRU|XP\_031877614.1 CGLO|KAF3801080.1 CHIG|XP\_018153731.1 CVIN|KAF4892467.1 CVYL|A00393 FGRM|XP\_011327802.1 MGRA|XP\_003848331.1 MLAR|XP\_007409682.1 MORY|QBZ60609.1 NCRA|XP\_959794.3 SSCL|APA14108.1

>Orthogroup2520: ANID|CBF75564.1 BCIN|XP\_024547182.1 BGRA|VCU40059.1 CFRU|XP\_031877608.1 CGLO|KAF3801074.1 CHIG|XP\_018153722.1 CVIN|KAF4902046.1 CVYL|A00035 FGRM|XP\_011327794.1 MGRA|XP\_003848667.1 MLAR|XP\_007415427.1 MORY|QBZ62337.1 NCRA|XP\_959223.2 SSCL|APA14116.1

>Orthogroup2521: ANID|CBF75566.1 BCIN|XP\_024553069.1 CFRU|XP\_031878129.1 CFRU|XP\_031878502.1 CGLO|KAF3801876.1 CHIG|XP\_018153872.1 CVIN|KAF4913596.1 CVIN|KAF4928284.1 CVYL|A02319 CVYL|A04787 FGRM|XP\_011328850.1 MGRA|XP\_003852886.1 MORY|QBZ59348.1 SSCL|APA16281.1

>Orthogroup2522: ANID|CBF75570.1 BCIN|XP\_001546159.2 BGRA|VCU39665.1 CFRU|XP\_031885534.1 CGLO|KAF3799533.1 CHIG|XP\_018154523.1 CVIN|KAF4931834.1 CVYL|A13393 FGRM|XP\_011324919.1 MGRA|XP\_003853527.1 MLAR|XP\_007414834.1 MORY|QBZ62067.1 NCRA|XP\_963514.1 SSCL|APA16282.1

>Orthogroup2523: ANID|CBF75578.1 BCIN|XP\_001546406.1 BGRA|VDB88789.1 CFRU|XP\_031877960.1 CGLO|KAF3810906.1 CHIG|XP\_018154939.1 CVIN|KAF4916362.1 CVYL|A02239 FGRM|XP\_011324628.1 MGRA|XP\_003856400.1 MLAR|XP\_007412814.1 MORY|QBZ53816.1 NCRA|XP\_963218.1 SSCL|APA12262.1

>Orthogroup2524: ANID|CBF75589.1 BCIN|XP\_001560762.2 BGRA|VDB90438.1 CFRU|XP\_031883291.1 CGLO|KAF3801696.1 CHIG|XP\_018159215.1 CVIN|KAF4915644.1 CVYL|A13002 FGRM|XP\_011320278.1 MGRA|XP\_003853784.1 MLAR|XP\_007415669.1 MORY|QBZ55466.1 NCRA|XP\_960232.2 SSCL|APA08017.1

>Orthogroup2525: ANID|CBF75591.1 BCIN|XP\_024552908.1 BGRA|VCU39673.1 CFRU|XP\_031879412.1 CGLO|KAF3799638.1 CHIG|XP\_018154647.1 CVIN|KAF4926479.1 CVYL|A13501 FGRM|XP\_011326135.1 MGRA|XP\_003852745.1 MLAR|XP\_007403901.1 MORY|QBZ61035.1 NCRA|XP\_957115.2 SSCL|APA07521.1

>Orthogroup2526: ANID|CBF75596.1 BCIN|XP\_024553056.1 BGRA|VCU39714.1 CFRU|XP\_031878047.1 CGLO|KAF3799633.1 CHIG|XP\_018154640.1 CVIN|KAF4926438.1 CVYL|A13496 FGRM|XP\_011315983.1 MGRA|XP\_003856406.1 MLAR|XP\_007416335.1 MORY|QBZ61030.1 NCRA|XP\_011393598.1 SSCL|APA16143.1

>Orthogroup2527: ANID|CBF75602.1 BCIN|XP\_024547348.1 BGRA|VDB89032.1 CFRU|XP\_031881988.1 CGLO|KAF3806057.1 CHIG|XP\_018164624.1 CVIN|KAF4913562.1 CVYL|A07459 FGRM|XP\_011326737.1 MGRA|XP\_003851624.1 MLAR|XP\_007404244.1 MORY|QBZ62351.1 NCRA|XP\_959229.2 SSCL|APA14343.1

>Orthogroup2528: ANID|CBF75604.1 BCIN|XP\_001554270.1 BGRA|VDB88953.1 CFRU|XP\_031881951.1 CGLO|KAF3806010.1 CHIG|XP\_018164655.1 CVIN|KAF4925734.1 CVYL|A07502 FGRM|XP\_011325019.1 MGRA|XP\_003851623.1 MLAR|XP\_007413999.1 MORY|QBZ60617.1 NCRA|XP\_959596.1 SSCL|APA14365.1

>Orthogroup2529: ANID|CBF75605.1 BCIN|XP\_024547366.1 BGRA|VDB88955.1 CFRU|XP\_031881948.1 CGLO|KAF3806013.1 CHIG|XP\_018164652.1 CVIN|KAF4917819.1 CVYL|A07499 FGRM|XP\_011325021.1 MGRA|XP\_003851622.1 MLAR|XP\_007411241.1 MORY|QBZ60619.1 NCRA|XP\_959541.3 SSCL|APA14366.1

>Orthogroup2530: ANID|CBF75613.1 BCIN|XP\_024547339.1 BGRA|VDB89014.1 CFRU|XP\_031891954.1 CGLO|KAF3805593.1 CHIG|XP\_018164723.1 CVIN|KAF4900693.1 CVYL|A07605 FGRM|XP\_011324973.1 MGRA|XP\_003851629.1 MLAR|XP\_007416069.1 MORY|QBZ60938.1 NCRA|XP\_959970.2 SSCL|APA14334.1

>Orthogroup2531: ANID|CBF75615.1 BCIN|XP\_024551857.1 BGRA|VDB95094.1 CFRU|XP\_031883925.1 CGLO|KAF3797450.1 CHIG|XP\_018163555.1 CVIN|KAF4905676.1 CVYL|A09884 FGRM|XP\_011316961.1 MGRA|XP\_003856616.1 MLAR|XP\_007409297.1 MORY|QBZ54889.1 NCRA|XP\_962149.2 SSCL|APA06304.1

>Orthogroup2532: ANID|CBF75625.1 ANID|CBF76330.1 BCIN|XP\_001546942.1 CFRU|XP\_031890980.1 CGLO|KAF3801659.1 CHIG|XP\_018151432.1 CVIN|KAF4921241.1 CVYL|A12476 FGRM|XP\_011327657.1 MGRA|XP\_003853516.1 MLAR|XP\_007416137.1 MORY|QBZ62190.1 NCRA|XP\_001728234.1 SSCL|APA14859.1

>Orthogroup2533: ANID|CBF75632.1 BCIN|XP\_024551772.1 BGRA|VDB89607.1 CFRU|XP\_031884044.1 CHIG|XP\_018163539.1 CVIN|KAF4927108.1 CVYL|A06570 FGRM|XP\_011316292.1 MGRA|XP\_003856869.1 MLAR|XP\_007404885.1 MLAR|XP\_007419275.1 MORY|QBZ54883.1 NCRA|XP\_962154.2 SSCL|APA14623.1

>Orthogroup2534: ANID|CBF75671.1 BCIN|XP\_001552408.1 BGRA|VDB89697.1 CFRU|XP\_031890754.1 CGLO|KAF3801671.1 CHIG|XP\_018151449.1 CVIN|KAF4897552.1 CVYL|A12465 FGRM|XP\_011328482.1 MGRA|XP\_003857039.1 MLAR|XP\_007410597.1 MORY|QBZ62161.1 NCRA|XP\_957575.1 SSCL|APA14894.1

>Orthogroup2535: ANID|CBF75673.1 BCIN|XP\_024551815.1 BGRA|VDB92642.1 CFRU|XP\_031890671.1 CGLO|KAF3804953.1 CHIG|XP\_018164460.1 CVIN|KAF4910221.1 CVYL|A12101 FGRM|XP\_011317107.1 MGRA|XP\_003856780.1 MLAR|XP\_007415146.1 MORY|QBZ63816.1 NCRA|XP\_964072.1 SSCL|APA14699.1

>Orthogroup2536: ANID|CBF75677.1 BCIN|XP\_024551682.1 BGRA|VDB95092.1 CFRU|XP\_031879838.1 CGLO|KAF3803005.1 CHIG|XP\_018153551.1 CVIN|KAF4929902.1 CVYL|A00017 FGRM|XP\_011316956.1 MGRA|XP\_003856750.1 MLAR|XP\_007418523.1 MORY|QBZ63165.1 NCRA|XP\_963787.2 SSCL|APA06017.1

>Orthogroup2537: ANID|CBF75693.1 BCIN|XP\_001558437.1 BGRA|VDB90451.1 CFRU|XP\_031876502.1 CGLO|KAF3797012.1 CHIG|XP\_018153672.1 CVIN|KAF4895820.1 CVYL|A00377 FGRM|XP\_011317072.1 MGRA|XP\_003856391.1 MLAR|XP\_007407844.1 MORY|QBZ63930.1 NCRA|XP\_963850.2 SSCL|APA14745.1

>Orthogroup2538: ANID|CBF75703.1 BCIN|XP\_001556623.1 BGRA|VDB92667.1 CFRU|XP\_031879870.1 CGLO|KAF3802976.1 CHIG|XP\_018153637.1 CVIN|KAF4929907.1 CVYL|A00409 FGRM|XP\_011316897.1 MGRA|XP\_003856924.1 MLAR|XP\_007406604.1 MORY|QBZ63572.1 NCRA|XP\_963828.1 SSCL|APA14763.1

>Orthogroup2539: ANID|CBF75710.1 BCIN|XP\_024546548.1 BGRA|VDB95016.1 CFRU|XP\_031889124.1 CGLO|KAF3797712.1 CHIG|XP\_018155501.1 CVIN|KAF4928300.1 CVYL|A01063 FGRM|XP\_011328462.1 MGRA|XP\_003856807.1 MLAR|XP\_007404102.1 MORY|QBZ59954.1 NCRA|XP\_960113.3 SSCL|APA06681.1

>Orthogroup2540: ANID|CBF75712.1 BCIN|XP\_024551650.1 BGRA|VDB92657.1 CFRU|XP\_031879784.1 CGLO|KAF3802990.1 CHIG|XP\_018153623.1 CVIN|KAF4929921.1 CVYL|A00423 FGRM|XP\_011316923.1 MGRA|XP\_003856712.1 MLAR|XP\_007406137.1 MORY|QBZ55600.1 NCRA|XP\_965128.3 SSCL|APA14768.1

>Orthogroup2541: ANID|CBF75718.1 BCIN|XP\_001558513.1 BGRA|VDB90602.1 CFRU|XP\_031888374.1 CGLO|KAF3803593.1 CHIG|XP\_018163872.1 CVIN|KAF4920356.1 CVYL|A14528 FGRM|XP\_011316772.1 MGRA|XP\_003856713.1 MLAR|XP\_007403703.1 MORY|QBZ55378.1 NCRA|XP\_965477.1 SSCL|APA14689.1

>Orthogroup2542: ANID|CBF75723.1 BCIN|XP\_024551831.1 BGRA|VDB94990.1 CFRU|XP\_031892322.1 CGLO|KAF3812276.1 CHIG|XP\_018153500.1 CVIN|KAF4919860.1 CVYL|A00107 FGRM|XP\_011316089.1 MGRA|XP\_003856858.1 MLAR|XP\_007409791.1 MORY|QBZ55605.1 NCRA|XP\_011393247.1 SSCL|APA14727.1

>Orthogroup2543: ANID|CBF75729.1 BCIN|XP\_024551823.1 BGRA|VCU40025.1 CFRU|XP\_031883995.1 CGLO|KAF3805145.1 CHIG|XP\_018163368.1 CVIN|KAF4927407.1 CVYL|A06411 FGRM|XP\_011321616.1 MGRA|XP\_003857108.1 MLAR|XP\_007405664.1 MORY|QBZ63280.1 NCRA|XP\_956919.1 SSCL|APA14716.1

>Orthogroup2544: ANID|CBF75735.1 BCIN|XP\_024551850.1 BGRA|VDB95087.1 CFRU|XP\_031882718.1 CGLO|KAF3803394.1 CHIG|XP\_018163937.1 CVIN|KAF4918410.1 CVYL|A14324 FGRM|XP\_011316148.1 MGRA|XP\_003856577.1 MLAR|XP\_007413442.1 MORY|QBZ56011.1 NCRA|XP\_965304.1 SSCL|APA06289.1

>Orthogroup2545: ANID|CBF75737.1 CFRU|XP\_031889185.1 CFRU|XP\_031892928.1 CGLO|KAF3808746.1 CHIG|XP\_018152717.1 CVIN|KAF4906980.1 CVIN|KAF4908451.1 CVYL|A00914 CVYL|A08224 FGRM|XP\_011318300.1 FGRM|XP\_011324292.1 FGRM|XP\_011328459.1 MGRA|XP\_003852626.1 MORY|QBZ63948.1

>Orthogroup2546: ANID|CBF75745.1 BCIN|XP\_024547794.1 BGRA|VDB94820.1 CFRU|XP\_031879266.1 CGLO|KAF3808600.1 CHIG|XP\_018161891.1 CVIN|KAF4926113.1 CVYL|A12382 FGRM|XP\_011318526.1 MGRA|XP\_003848800.1 MLAR|XP\_007409044.1 MORY|QBZ59633.1 NCRA|XP\_962869.1 SSCL|APA08061.1

>Orthogroup2547: ANID|CBF75747.1 BCIN|XP\_001545754.2 BGRA|VCU39156.1 CFRU|XP\_031882825.1 CGLO|KAF3803384.1 CHIG|XP\_018164008.1 CVIN|KAF4918421.1 CVYL|A14311 FGRM|XP\_011319678.1 MGRA|XP\_003851551.1 MLAR|XP\_007404025.1 MORY|QBZ56016.1 NCRA|XP\_965294.2 SSCL|APA05473.1

>Orthogroup2548: ANID|CBF75752.1 BCIN|XP\_001559608.2 BGRA|VDB84129.1 CFRU|XP\_031890409.1 CGLO|KAF3805260.1 CHIG|XP\_018158816.1 CVIN|KAF4918652.1 CVYL|A13909 FGRM|XP\_011317311.1 MGRA|XP\_003856048.1 MLAR|XP\_007415276.1 MORY|QBZ60374.1 NCRA|XP\_965245.1 SSCL|APA09380.1

>Orthogroup2549: ANID|CBF75760.1 BCIN|XP\_024548866.1 CFRU|XP\_031890010.1 CGLO|KAF3802886.1 CHIG|XP\_018158498.1 CVIN|KAF4913026.1 CVYL|A05127 FGRM|XP\_011316415.1 MGRA|XP\_003855998.1 MLAR|XP\_007414731.1 MLAR|XP\_007416188.1 MORY|QBZ55405.1 NCRA|XP\_963818.1 SSCL|APA09435.1

>Orthogroup2550: ANID|CBF75794.1 BCIN|XP\_001557367.1 CFRU|XP\_031876307.1 CFRU|XP\_031893093.1 CGLO|KAF3808364.1 CHIG|XP\_018152440.1 CVIN|KAF4918621.1 CVYL|A09522 FGRM|XP\_011317692.1 MGRA|XP\_003857278.1 MLAR|XP\_007407467.1 MORY|QBZ54483.1 NCRA|XP\_961267.2 SSCL|APA10706.1

>Orthogroup2551: ANID|CBF75796.1 BCIN|XP\_024551976.1 BGRA|VCU39293.1 CFRU|XP\_031893251.1 CGLO|KAF3800830.1 CHIG|XP\_018150868.1 CVIN|KAF4922461.1 CVYL|A08719 FGRM|XP\_011328050.1 MGRA|XP\_003849306.1 MLAR|XP\_007415828.1 MORY|QBZ64101.1 NCRA|XP\_962261.1 SSCL|APA12689.1

>Orthogroup2552: ANID|CBF75804.1 BCIN|XP\_024550120.1 BGRA|VDB86356.1 CFRU|XP\_031892945.1 CGLO|KAF3809656.1 CHIG|XP\_018152540.1 CVIN|KAF4925046.1 CVYL|A08395 FGRM|XP\_011317917.1 MGRA|XP\_003848572.1 MLAR|XP\_007405619.1 MORY|QBZ54868.1 NCRA|XP\_958705.1 SSCL|APA10590.1

>Orthogroup2553: ANID|CBF75819.1 BCIN|XP\_001560997.1 BGRA|VDB90717.1 CFRU|XP\_031888482.1 CGLO|KAF3803518.1 CHIG|XP\_018164071.1 CVIN|KAF4922267.1 CVYL|A14448 FGRM|XP\_011316164.1 MGRA|XP\_003853151.1 MLAR|XP\_007413029.1 MORY|QBZ56431.1 NCRA|XP\_964700.3 SSCL|APA06722.1

>Orthogroup2554: ANID|CBF75827.1 BCIN|XP\_024549880.1 BGRA|VDB91119.1 CFRU|XP\_031888212.1 CGLO|KAF3803656.1 CHIG|XP\_018163804.1 CVIN|KAF4928502.1 CVYL|A14589 FGRM|XP\_011317008.1 MGRA|XP\_003852643.1 MLAR|XP\_007418125.1 MORY|QBZ54678.1 NCRA|XP\_963751.3 SSCL|APA05552.1

>Orthogroup2555: ANID|CBF75831.1 BCIN|XP\_001554093.1 BGRA|VDB90943.1 CFRU|XP\_031888580.1 CGLO|KAF3803691.1 CHIG|XP\_018163762.1 CVIN|KAF4928526.1 CVYL|A14622 FGRM|XP\_011316037.1 MGRA|XP\_003852396.1 MLAR|XP\_007403524.1 MORY|QBZ54598.1 NCRA|XP\_965667.1 SSCL|APA05555.1

>Orthogroup2556: ANID|CBF75835.1 BCIN|XP\_001559941.1 BGRA|VDB93272.1 CFRU|XP\_031886644.1 CGLO|KAF3807478.1 CHIG|XP\_018158759.1 CVIN|KAF4907604.1 CVYL|A05001 FGRM|XP\_011328628.1 MGRA|XP\_003852641.1 MLAR|XP\_007407470.1 MORY|QBZ60466.1 NCRA|XP\_965318.1 SSCL|APA09768.1

>Orthogroup2557: ANID|CBF75837.1 BCIN|XP\_001559940.1 BGRA|VDB93301.1 CFRU|XP\_031884721.1 CFRU|XP\_031886647.1 CGLO|KAF3807479.1 CHIG|XP\_018158758.1 CVIN|KAF4907606.1 CVYL|A05002 FGRM|XP\_011328629.1 MLAR|XP\_007406840.1 MORY|QBZ60356.1 NCRA|XP\_011393112.1 SSCL|APA09769.1

>Orthogroup2558: ANID|CBF75851.1 BCIN|XP\_024546117.1 BGRA|VDB90929.1 CFRU|XP\_031892683.1 CGLO|KAF3803077.1 CHIG|XP\_018153519.1 CVIN|KAF4919863.1 CVYL|A00089 FGRM|XP\_011316108.1 MGRA|XP\_003852532.1 MLAR|XP\_007405395.1 MORY|QBZ55584.1 NCRA|XP\_011393013.1 SSCL|APA06638.1

>Orthogroup2559: ANID|CBF75990.1 BCIN|XP\_001547137.1 BGRA|VDB86348.1 CFRU|XP\_031892997.1 CGLO|KAF3809675.1 CHIG|XP\_018152511.1 CVIN|KAF4925034.1 CVYL|A09597 FGRM|XP\_011317958.1 MGRA|XP\_003849077.1 MGRA|XP\_003857279.1 MORY|QBZ54849.1 NCRA|XP\_958079.1 SSCL|APA10745.1

>Orthogroup2560: ANID|CBF76014.1 CFRU|XP\_031879911.1 CFRU|XP\_031884649.1 CGLO|KAF3799008.1 CGLO|KAF3810310.1 CHIG|XP\_018151160.1 CHIG|XP\_018152916.1 CHIG|XP\_018158330.1 CVIN|KAF4913301.1 CVIN|KAF4923447.1 CVYL|A05794 CVYL|A07925 FGRM|XP\_011323089.1 FGRM|XP\_011325156.1

>Orthogroup2561: ANID|CBF76026.1 CFRU|XP\_031876483.1 CFRU|XP\_031877394.1 CFRU|XP\_031878525.1 CFRU|XP\_031888775.1 CGLO|KAF3799788.1 CGLO|KAF3808435.1 CHIG|XP\_018153889.1 CVIN|KAF4912441.1 CVYL|A04808 CVYL|A11708 MGRA|XP\_003855630.1 MGRA|XP\_003856988.1 NCRA|XP\_011394395.1

>Orthogroup2562: ANID|CBF76044.1 BCIN|XP\_024546379.1 BGRA|VDB90508.1 CFRU|XP\_031890565.1 CGLO|KAF3804889.1 CHIG|XP\_018164373.1 CVIN|KAF4921167.1 CVYL|A12173 FGRM|XP\_011316801.1 MORY|QBZ55538.1 MORY|QBZ56767.1 MORY|QBZ56803.1 NCRA|XP\_964313.2 SSCL|APA06589.1

>Orthogroup2563: ANID|CBF76121.1 ANID|CBF81830.1 BCIN|XP\_001560959.1 BGRA|VDB90816.1 CFRU|XP\_031890595.1 CGLO|KAF3804818.1 CHIG|XP\_018164322.1 CVIN|KAF4929829.1 CVYL|A12257 FGRM|XP\_011317047.1 MGRA|XP\_003853504.1 MLAR|XP\_007409627.1 NCRA|XP\_964260.1 SSCL|APA06717.1

>Orthogroup2564: ANID|CBF76123.1 ANID|CBF81569.1 BCIN|XP\_024548892.1 BGRA|VDB89519.1 CFRU|XP\_031881304.1 CHIG|XP\_018154787.1 CVIN|KAF4907438.1 CVYL|A02075 FGRM|XP\_011316532.1 MGRA|XP\_003853801.1 MLAR|XP\_007407035.1 MORY|QBZ64802.1 NCRA|XP\_956054.1 SSCL|APA09398.1

>Orthogroup2565: ANID|CBF76173.1 ANID|CBF85075.1 CFRU|XP\_031889339.1 CFRU|XP\_031892165.1 CGLO|KAF3803115.1 CGLO|KAF3809796.1 CHIG|XP\_018155615.1 CHIG|XP\_018164943.1 CVIN|KAF4919316.1 CVIN|KAF4928320.1 CVYL|A01003 CVYL|A06715 FGRM|XP\_011325133.1 NCRA|XP\_958569.1

>Orthogroup2566: ANID|CBF76231.1 BCIN|XP\_001550840.2 CFRU|XP\_031880999.1 CFRU|XP\_031886873.1 CGLO|KAF3811420.1 CHIG|XP\_018160659.1 CHIG|XP\_018161392.1 CVIN|KAF4919695.1 CVIN|KAF4930686.1 CVYL|A01810 CVYL|A04617 MORY|QBZ56895.1 NCRA|XP\_961559.3 SSCL|APA15374.1

>Orthogroup2567: ANID|CBF76233.1 ANID|CBF78146.1 BCIN|XP\_001550155.1 BCIN|XP\_001550353.1 BCIN|XP\_024552610.1 CFRU|XP\_031884786.1 CGLO|KAF3812148.1 CHIG|XP\_018161051.1 CHIG|XP\_018163025.1 CVYL|A00247 FGRM|XP\_011325945.1 MGRA|XP\_003854177.1 SSCL|APA11192.1 SSCL|APA11351.1

>Orthogroup2568: ANID|CBF76261.1 BCIN|XP\_001547559.1 BGRA|VCU41182.1 CFRU|XP\_031889248.1 CGLO|KAF3808715.1 CHIG|XP\_018155576.1 CVIN|KAF4929562.1 CVYL|A00945 FGRM|XP\_011319275.1 MGRA|XP\_003856891.1 MLAR|XP\_007406117.1 MORY|QBZ60124.1 NCRA|XP\_957421.1 SSCL|APA07479.1

>Orthogroup2569: ANID|CBF76279.1 BCIN|XP\_024552865.1 BGRA|VDB93949.1 CFRU|XP\_031889448.1 CGLO|KAF3808815.1 CHIG|XP\_018155718.1 CVIN|KAF4908030.1 CVYL|A01263 FGRM|XP\_011319267.1 MGRA|XP\_003856207.1 MLAR|XP\_007417359.1 MORY|QBZ58716.1 NCRA|XP\_960812.1 SSCL|APA16122.1

>Orthogroup2570: ANID|CBF76294.1 BCIN|XP\_024547371.1 BGRA|VDB88939.1 CFRU|XP\_031882072.1 CGLO|KAF3806002.1 CHIG|XP\_018164649.1 CVIN|KAF4925705.1 CVYL|A07512 FGRM|XP\_011324987.1 MGRA|XP\_003851957.1 MLAR|XP\_007416313.1 MORY|QBZ62328.1 NCRA|XP\_959643.1 SSCL|APA14376.1

>Orthogroup2571: ANID|CBF76314.1 BCIN|XP\_001555983.1 BGRA|VDB89002.1 CFRU|XP\_031882047.1 CGLO|KAF3806071.1 CHIG|XP\_018164619.1 CVIN|KAF4913556.1 CVYL|A07443 FGRM|XP\_011316012.1 MGRA|XP\_003851601.1 MLAR|XP\_007409006.1 MORY|QBZ64928.1 NCRA|XP\_959984.3 SSCL|APA13918.1

>Orthogroup2572: ANID|CBF76318.1 BCIN|XP\_001554274.1 BGRA|VDB88908.1 CFRU|XP\_031892258.1 CGLO|KAF3805581.1 CHIG|XP\_018164709.1 CVIN|KAF4922350.1 CVYL|A07622 CVYL|A09962 FGRM|XP\_011325624.1 MGRA|XP\_003851604.1 MORY|QBZ62293.1 NCRA|XP\_959906.1 SSCL|APA14374.1

>Orthogroup2573: ANID|CBF76326.1 BCIN|XP\_024547135.1 BGRA|VDB88843.1 CFRU|XP\_031881961.1 CGLO|KAF3806164.1 CHIG|XP\_018164495.1 CVIN|KAF4911576.1 CVYL|A07343 FGRM|XP\_011325037.1 MGRA|XP\_003851699.1 MLAR|XP\_007412213.1 MORY|QBZ60568.1 NCRA|XP\_959598.1 SSCL|APA14039.1

>Orthogroup2574: ANID|CBF76336.1 BCIN|XP\_024548169.1 BGRA|VCU40991.1 CFRU|XP\_031892864.1 CGLO|KAF3809167.1 CHIG|XP\_018155989.1 CVIN|KAF4919817.1 CVYL|A01354 FGRM|XP\_011318814.1 MGRA|XP\_003857570.1 MLAR|XP\_007411795.1 MORY|QBZ57475.1 NCRA|XP\_011394478.1 SSCL|APA12421.1

>Orthogroup2575: ANID|CBF76356.1 BCIN|XP\_001546921.2 BGRA|VDB95038.1 CFRU|XP\_031890710.1 CGLO|KAF3801595.1 CHIG|XP\_018151354.1 CVIN|KAF4922713.1 CVYL|A12540 FGRM|XP\_011320349.1 MGRA|XP\_003855541.1 MLAR|XP\_007410630.1 MORY|QBZ55758.1 NCRA|XP\_960217.1 SSCL|APA14843.1

>Orthogroup2576: ANID|CBF76372.1 BCIN|XP\_001552419.1 BGRA|VDB92455.1 CFRU|XP\_031890978.1 CGLO|KAF3801661.1 CHIG|XP\_018151435.1 CVIN|KAF4921205.1 CVYL|A12474 FGRM|XP\_011328506.1 MGRA|XP\_003853668.1 MLAR|XP\_007409600.1 MORY|QBZ62152.1 NCRA|XP\_957538.3 SSCL|APA14888.1

>Orthogroup2577: ANID|CBF76374.1 BCIN|XP\_024551566.1 BGRA|VDB89703.1 CFRU|XP\_031890985.1 CGLO|KAF3801662.1 CHIG|XP\_018151436.1 CVIN|KAF4921204.1 CVYL|A12473 FGRM|XP\_011328505.1 MGRA|XP\_003854612.1 MLAR|XP\_007417982.1 MORY|QBZ62151.1 NCRA|XP\_957540.1 SSCL|APA14889.1

>Orthogroup2578: ANID|CBF76378.1 BCIN|XP\_024551805.1 BGRA|VDB95072.1 CFRU|XP\_031890844.1 CGLO|KAF3801617.1 CHIG|XP\_018151379.1 CVIN|KAF4922720.1 CVYL|A12519 FGRM|XP\_011328202.1 MGRA|XP\_003854677.1 MLAR|XP\_007405391.1 MORY|QBZ53877.1 NCRA|XP\_960378.1 SSCL|APA14667.1

>Orthogroup2579: ANID|CBF76388.1 BCIN|XP\_024551689.1 BGRA|VDB89426.1 CFRU|XP\_031883905.1 CGLO|KAF3805061.1 CHIG|XP\_018163456.1 CVIN|KAF4902234.1 CVYL|A06499 FGRM|XP\_011318755.1 MGRA|XP\_003854721.1 MLAR|XP\_007403546.1 MORY|QBZ59523.1 NCRA|XP\_957490.2 SSCL|APA06021.1

>Orthogroup2580: ANID|CBF76402.1 BCIN|XP\_024551729.1 BGRA|VDB92627.1 CFRU|XP\_031884942.1 CGLO|KAF3801026.1 CHIG|XP\_018153322.1 CVIN|KAF4889709.1 CVYL|A00358 FGRM|XP\_011321550.1 MGRA|XP\_003854947.1 MLAR|XP\_007415009.1 MORY|QBZ54974.1 NCRA|XP\_961765.2 SSCL|APA14584.1

>Orthogroup2581: ANID|CBF76410.1 BCIN|XP\_001556673.1 BGRA|VDB92609.1 CFRU|XP\_031881347.1 CGLO|KAF3805764.1 CHIG|XP\_018163656.1 CVIN|KAF4926567.1 CVYL|A06052 FGRM|XP\_011318722.1 MGRA|XP\_003854724.1 MLAR|XP\_007413627.1 MORY|QBZ59427.1 NCRA|XP\_962546.1 SSCL|APA14796.1

>Orthogroup2582: ANID|CBF76417.1 BCIN|XP\_001556657.2 BGRA|VCU39115.1 CFRU|XP\_031884770.1 CGLO|KAF3800967.1 CHIG|XP\_018153227.1 CVIN|KAF4913280.1 CVYL|A05938 FGRM|XP\_011321609.1 MGRA|XP\_003854812.1 MLAR|XP\_007409720.1 MORY|QBZ59413.1 NCRA|XP\_962098.1 SSCL|APA14786.1

>Orthogroup2583: ANID|CBF76427.1 BCIN|XP\_001558507.1 BGRA|VDB95059.1 CFRU|XP\_031890707.1 CGLO|KAF3801590.1 CHIG|XP\_018151348.1 CVIN|KAF4922726.1 CVYL|A12545 FGRM|XP\_011320344.1 MGRA|XP\_003854742.1 MLAR|XP\_007409194.1 MORY|QBZ55754.1 NCRA|XP\_960221.1 SSCL|APA14695.1

>Orthogroup2584: ANID|CBF76451.1 BCIN|XP\_024551659.1 BGRA|VDB92543.1 CFRU|XP\_031884778.1 CGLO|KAF3800969.1 CHIG|XP\_018153229.1 CVIN|KAF4913261.1 CVYL|A05936 FGRM|XP\_011318743.1 MGRA|XP\_003855733.1 MLAR|XP\_007417184.1 MORY|QBZ59412.1 NCRA|XP\_962096.1 SSCL|APA14783.1

>Orthogroup2585: ANID|CBF76480.1 BCIN|XP\_001552090.1 BGRA|VDB89339.1 CFRU|XP\_031881313.1 CGLO|KAF3802459.1 CHIG|XP\_018154759.1 CVIN|KAF4916885.1 CVYL|A02050 FGRM|XP\_011316537.1 MGRA|XP\_003854791.1 MLAR|XP\_007411420.1 MORY|QBZ59084.1 NCRA|XP\_956724.1 SSCL|APA09818.1

>Orthogroup2586: ANID|CBF76482.1 BCIN|XP\_001559891.2 BGRA|VDB89382.1 CFRU|XP\_031881251.1 CGLO|KAF3802458.1 CHIG|XP\_018154758.1 CVIN|KAF4916886.1 CVYL|A02049 FGRM|XP\_011316538.1 MGRA|XP\_003853565.1 MLAR|XP\_007413863.1 MORY|QBZ59085.1 NCRA|XP\_956725.3 SSCL|APA09738.1

>Orthogroup2587: ANID|CBF76486.1 BCIN|XP\_001557401.1 BGRA|VCU41048.1 CFRU|XP\_031885225.1 CGLO|KAF3807726.1 CHIG|XP\_018162960.1 CVIN|KAF4920514.1 CVYL|A06909 FGRM|XP\_011326203.1 MGRA|XP\_003853563.1 MLAR|XP\_007413294.1 MORY|QBZ63127.1 NCRA|XP\_957729.1 SSCL|APA10675.1

>Orthogroup2588: ANID|CBF76488.1 BCIN|XP\_024551177.1 BGRA|VCU39772.1 CFRU|XP\_031886412.1 CGLO|KAF3806357.1 CHIG|XP\_018162236.1 CVIN|KAF4923256.1 CVYL|A11946 FGRM|XP\_011324045.1 MGRA|XP\_003857299.1 MLAR|XP\_007410838.1 MORY|QBZ61605.1 NCRA|XP\_955952.1 SSCL|APA10172.1

>Orthogroup2589: ANID|CBF76513.1 BCIN|XP\_001549886.1 BGRA|VDB84419.1 CFRU|XP\_031885167.1 CGLO|KAF3800372.1 CHIG|XP\_018162869.1 CVIN|KAF4927796.1 CVYL|A07797 FGRM|XP\_011327041.1 MGRA|XP\_003852787.1 MLAR|XP\_007412179.1 MORY|QBZ61320.1 NCRA|XP\_957309.1 SSCL|APA08229.1

>Orthogroup2590: ANID|CBF76523.1 BCIN|XP\_001557574.1 BGRA|VCU40363.1 CFRU|XP\_031880320.1 CGLO|KAF3808986.1 CHIG|XP\_018155820.1 CVIN|KAF4920846.1 CVYL|A01335 FGRM|XP\_011318843.1 MGRA|XP\_003848118.1 MLAR|XP\_007407838.1 MORY|QBZ62219.1 NCRA|XP\_961091.1 SSCL|APA12329.1

>Orthogroup2591: ANID|CBF76540.1 BCIN|XP\_001554357.2 BGRA|VDB83843.1 CFRU|XP\_031882053.1 CGLO|KAF3806075.1 CHIG|XP\_018164599.1 CVIN|KAF4893190.1 CVYL|A07439 FGRM|XP\_011315999.1 MGRA|XP\_003848575.1 MLAR|XP\_007405159.1 MORY|QBZ62267.1 NCRA|XP\_011395295.1 SSCL|APA14431.1

>Orthogroup2592: ANID|CBF76559.1 BCIN|XP\_001546584.1 BGRA|VDB88986.1 CFRU|XP\_031892249.1 CGLO|KAF3805575.1 CHIG|XP\_018164726.1 CVIN|KAF4922351.1 CVYL|A07627 FGRM|XP\_011324970.1 MGRA|XP\_003848305.1 MLAR|XP\_007406732.1 MORY|QBZ64919.1 NCRA|XP\_958945.3 SSCL|APA14120.1

>Orthogroup2593: ANID|CBF76573.1 BCIN|XP\_024547258.1 BGRA|VDB83808.1 CFRU|XP\_031878539.1 CGLO|KAF3798605.1 CHIG|XP\_018153932.1 CVIN|KAF4930161.1 CVYL|A04841 FGRM|XP\_011324698.1 MGRA|XP\_003848322.1 MLAR|XP\_007412343.1 MORY|QBZ60867.1 NCRA|XP\_959460.1 SSCL|APA14214.1

>Orthogroup2594: ANID|CBF76579.1 BCIN|XP\_024547299.1 BGRA|VDB83770.1 BGRA|VDB83772.1 CFRU|XP\_031891994.1 CGLO|KAF3801420.1 CHIG|XP\_018164744.1 CVIN|KAF4922331.1 CVYL|A07665 FGRM|XP\_011324965.1 MLAR|XP\_007410826.1 MORY|QBZ64379.1 NCRA|XP\_011395258.1 SSCL|APA14258.1

>Orthogroup2595: ANID|CBF76581.1 BCIN|XP\_024547196.1 BGRA|VDB83748.1 CFRU|XP\_031877358.1 CGLO|KAF3799871.1 CHIG|XP\_018153822.1 CVIN|KAF4921712.1 CVYL|A09647 FGRM|XP\_011325433.1 MGRA|XP\_003851546.1 MLAR|XP\_007410422.1 MORY|QBZ59973.1 NCRA|XP\_011395193.1 SSCL|APA14123.1

>Orthogroup2596: ANID|CBF76597.1 BCIN|XP\_024553255.1 BGRA|VCU39420.1 CFRU|XP\_031888410.1 CGLO|KAF3803674.1 CHIG|XP\_018163776.1 CVIN|KAF4928511.1 CVYL|A14604 FGRM|XP\_011324167.1 MGRA|XP\_003857331.1 MLAR|XP\_007403549.1 MORY|QBZ54631.1 NCRA|XP\_964494.2 SSCL|APA13589.1

>Orthogroup2597: ANID|CBF76638.1 ANID|CBF81933.1 BCIN|XP\_001548176.1 BCIN|XP\_024547687.1 CFRU|XP\_031888065.1 CGLO|KAF3802184.1 CHIG|XP\_018154128.1 CHIG|XP\_018154129.1 CVYL|A02456 CVYL|A02457 FGRM|XP\_011325127.1 FGRM|XP\_011328854.1 MORY|QBZ58567.1 MORY|QBZ58569.1

>Orthogroup2598: ANID|CBF76666.1 BCIN|XP\_001559179.1 BGRA|VCU39126.1 CFRU|XP\_031892315.1 CGLO|KAF3797275.1 CHIG|XP\_018157277.1 CVIN|KAF4889566.1 CVYL|A10415 FGRM|XP\_011319915.1 MGRA|XP\_003847765.1 MLAR|XP\_007409703.1 MORY|QBZ66045.1 NCRA|XP\_964918.2 SSCL|APA15765.1

>Orthogroup2599: ANID|CBF76680.1 BCIN|XP\_024549358.1 BGRA|VCU39409.1 CFRU|XP\_031892316.1 CGLO|KAF3797276.1 CHIG|XP\_018157276.1 CVIN|KAF4889567.1 CVYL|A10414 FGRM|XP\_011319917.1 MGRA|XP\_003847725.1 MLAR|XP\_007414357.1 MORY|QBZ66038.1 NCRA|XP\_011393232.1 SSCL|APA15766.1

>Orthogroup2600: ANID|CBF76701.1 BCIN|XP\_024549256.1 BGRA|VDB91359.1 CFRU|XP\_031876006.1 CGLO|KAF3797310.1 CHIG|XP\_018157201.1 CVIN|KAF4899569.1 CVYL|A10386 FGRM|XP\_011320198.1 MGRA|XP\_003847559.1 MLAR|XP\_007408732.1 MORY|QBZ60385.1 NCRA|XP\_964295.2 SSCL|APA08861.1

>Orthogroup2601: ANID|CBF76711.1 ANID|CBF85164.1 BCIN|XP\_001556691.1 CFRU|XP\_031882999.1 CGLO|KAF3803672.1 CGLO|KAF3807952.1 CHIG|XP\_018163104.1 CHIG|XP\_018163774.1 CVIN|KAF4924061.1 CVYL|A00674 FGRM|XP\_011319682.1 FGRM|XP\_011321731.1 MGRA|XP\_003853140.1 SSCL|APA14827.1

>Orthogroup2602: ANID|CBF76735.1 ANID|CBF79542.1 BCIN|XP\_001550354.1 BCIN|XP\_001554720.1 BCIN|XP\_024553815.1 BGRA|VCU40324.1 MGRA|XP\_003852771.1 MGRA|XP\_003853327.1 MGRA|XP\_003855865.1 MLAR|XP\_007406331.1 MLAR|XP\_007407053.1 MORY|QBZ57391.1 NCRA|XP\_955854.3 SSCL|APA15259.1

>Orthogroup2603: ANID|CBF76747.1 BCIN|XP\_024545957.1 BGRA|VCU38937.1 CFRU|XP\_031887890.1 CGLO|KAF3802157.1 CHIG|XP\_018154281.1 CVIN|KAF4907206.1 CVYL|A03233 FGRM|XP\_011320260.1 MGRA|XP\_003847600.1 MLAR|XP\_007404531.1 MORY|QBZ65760.1 NCRA|XP\_964335.3 SSCL|APA07385.1

>Orthogroup2604: ANID|CBF76749.1 BCIN|XP\_001546443.1 BGRA|VCU39035.1 CFRU|XP\_031888056.1 CGLO|KAF3802271.1 CHIG|XP\_018154364.1 CVIN|KAF4924437.1 CVYL|A10318 FGRM|XP\_011319810.1 MGRA|XP\_003847713.1 MLAR|XP\_007413538.1 MORY|QBZ65758.1 NCRA|XP\_964233.1 SSCL|APA07250.1

>Orthogroup2605: ANID|CBF76751.1 BCIN|XP\_001546444.1 BGRA|VCU39036.1 CFRU|XP\_031888057.1 CGLO|KAF3802270.1 CHIG|XP\_018154365.1 CVIN|KAF4924430.1 CVYL|A10307 FGRM|XP\_011319811.1 MGRA|XP\_003847706.1 MLAR|XP\_007413637.1 MORY|QBZ65757.1 NCRA|XP\_964232.1 SSCL|APA07249.1

>Orthogroup2606: ANID|CBF76755.1 BCIN|XP\_024546040.1 BGRA|VCU39087.1 CFRU|XP\_031887964.1 CGLO|KAF3802229.1 CHIG|XP\_018154333.1 CVIN|KAF4914860.1 CVYL|A03172 FGRM|XP\_011319836.1 MGRA|XP\_003847563.1 MLAR|XP\_007407242.1 MORY|QBZ66017.1 NCRA|XP\_964510.1 SSCL|APA07281.1

>Orthogroup2607: ANID|CBF76757.1 BCIN|XP\_024546038.1 BGRA|VCU39079.1 CFRU|XP\_031887962.1 CGLO|KAF3802231.1 CHIG|XP\_018154335.1 CVIN|KAF4914871.1 CVYL|A03170 FGRM|XP\_011319838.1 MGRA|XP\_003847692.1 MLAR|XP\_007407302.1 MORY|QBZ66019.1 NCRA|XP\_011392947.1 SSCL|APA07283.1

>Orthogroup2608: ANID|CBF76763.1 BCIN|XP\_024546041.1 BGRA|VDB86333.1 CFRU|XP\_031892779.1 CGLO|KAF3797260.1 CHIG|XP\_018157256.1 CVIN|KAF4920710.1 CVYL|A10433 FGRM|XP\_011320019.1 MGRA|XP\_003847632.1 MLAR|XP\_007415062.1 MORY|QBZ66014.1 NCRA|XP\_964252.1 SSCL|APA07280.1

>Orthogroup2609: ANID|CBF76784.1 BCIN|XP\_001547250.2 BGRA|VCU38939.1 BGRA|VCU38940.1 CFRU|XP\_031887892.1 CGLO|KAF3802156.1 CHIG|XP\_018154279.1 CVIN|KAF4907209.1 CVYL|A03237 FGRM|XP\_011320070.1 MGRA|XP\_003850645.1 MORY|QBZ66178.1 NCRA|XP\_964331.1 SSCL|APA07391.1

>Orthogroup2610: ANID|CBF76788.1 BCIN|XP\_024549308.1 BGRA|VCU39055.1 CFRU|XP\_031881533.1 CGLO|KAF3805383.1 CHIG|XP\_018156728.1 CVIN|KAF4886794.1 CVYL|A11030 FGRM|XP\_011315795.1 MGRA|XP\_003847643.1 MLAR|XP\_007415066.1 MORY|QBZ65353.1 NCRA|XP\_965735.3 SSCL|APA08933.1

>Orthogroup2611: ANID|CBF76798.1 BCIN|XP\_024549198.1 BGRA|VCU39061.1 CFRU|XP\_031881648.1 CGLO|KAF3807432.1 CHIG|XP\_018156798.1 CVIN|KAF4918520.1 CVYL|A10935 FGRM|XP\_011328308.1 MGRA|XP\_003847759.1 MLAR|XP\_007413015.1 MORY|QBZ66197.1 NCRA|XP\_965223.2 SSCL|APA15733.1

>Orthogroup2612: ANID|CBF76802.1 BCIN|XP\_001556267.1 BGRA|VDB86107.1 CFRU|XP\_031880381.1 CGLO|KAF3807339.1 CHIG|XP\_018156902.1 CVIN|KAF4920081.1 CVYL|A10816 FGRM|XP\_011325071.1 MGRA|XP\_003847709.1 MLAR|XP\_007411417.1 MORY|QBZ65864.1 NCRA|XP\_965758.1 SSCL|APA15743.1

>Orthogroup2613: ANID|CBF76806.1 BCIN|XP\_024549188.1 BGRA|VDB86312.1 CFRU|XP\_031881660.1 CGLO|KAF3807429.1 CHIG|XP\_018156795.1 CVIN|KAF4918518.1 CVYL|A10933 FGRM|XP\_011328305.1 MGRA|XP\_003847615.1 MLAR|XP\_007407655.1 MORY|QBZ66194.1 NCRA|XP\_965423.1 SSCL|APA15720.1

>Orthogroup2614: ANID|CBF76818.1 BCIN|XP\_001560224.2 BGRA|VDB86078.1 CFRU|XP\_031881556.1 CGLO|KAF3807446.1 CHIG|XP\_018156784.1 CVIN|KAF4918530.1 CVYL|A10954 FGRM|XP\_011328288.1 MGRA|XP\_003847691.1 MLAR|XP\_007410830.1 MORY|QBZ66082.1 NCRA|XP\_964726.1 SSCL|APA15927.1

>Orthogroup2615: ANID|CBF76835.1 BCIN|XP\_024546064.1 BCIN|XP\_024552676.1 BGRA|VCU39095.1 CFRU|XP\_031888098.1 CGLO|KAF3802286.1 CHIG|XP\_018154386.1 CVIN|KAF4924389.1 CVYL|A10518 FGRM|XP\_011319785.1 MGRA|XP\_003847605.1 MORY|QBZ65778.1 NCRA|XP\_964116.3 SSCL|APA07246.1

>Orthogroup2616: ANID|CBF76839.1 BCIN|XP\_001548517.1 BGRA|VCU39092.1 CFRU|XP\_031892396.1 CGLO|KAF3807209.1 CHIG|XP\_018157015.1 CVIN|KAF4928194.1 CVYL|A10687 FGRM|XP\_011320228.1 MGRA|XP\_003847606.1 MLAR|XP\_007414943.1 MORY|QBZ60441.1 NCRA|XP\_964881.1 SSCL|APA07238.1

>Orthogroup2617: ANID|CBF76842.1 BCIN|XP\_001548518.1 BGRA|VCU39090.1 CFRU|XP\_031888119.1 CGLO|KAF3802303.1 CHIG|XP\_018154407.1 CVIN|KAF4896253.1 CVYL|A10718 FGRM|XP\_011319760.1 MGRA|XP\_003847761.1 MLAR|XP\_007415680.1 MORY|QBZ65756.1 NCRA|XP\_011392896.1 SSCL|APA07237.1

>Orthogroup2618: ANID|CBF76850.1 BCIN|XP\_001545869.1 BGRA|VCU39082.1 CFRU|XP\_031888177.1 CGLO|KAF3802233.1 CHIG|XP\_018154337.1 CVIN|KAF4914857.1 CVYL|A03168 FGRM|XP\_011319843.1 MGRA|XP\_003847548.1 MLAR|XP\_007413656.1 MORY|QBZ66021.1 NCRA|XP\_964516.1 SSCL|APA07285.1

>Orthogroup2619: ANID|CBF76862.1 BCIN|XP\_024546045.1 BGRA|VCU38855.1 CFRU|XP\_031888024.1 CGLO|KAF3802236.1 CHIG|XP\_018154343.1 CVIN|KAF4914848.1 CVYL|A03163 FGRM|XP\_011319852.1 MGRA|XP\_003847613.1 MLAR|XP\_007407061.1 MORY|QBZ66026.1 NCRA|XP\_964521.2 SSCL|APA07277.1

>Orthogroup2620: ANID|CBF76872.1 BCIN|XP\_001545882.1 BGRA|VCU39089.1 CFRU|XP\_031887856.1 CGLO|KAF3802240.1 CHIG|XP\_018154347.1 CVIN|KAF4914843.1 CVYL|A03159 FGRM|XP\_011319856.1 MGRA|XP\_003847525.1 MLAR|XP\_007414605.1 MORY|QBZ66029.1 NCRA|XP\_964518.1 SSCL|APA07273.1

>Orthogroup2621: ANID|CBF76887.1 BCIN|XP\_024546057.1 BGRA|VCU39024.1 CFRU|XP\_031888206.1 CGLO|KAF3802263.1 CHIG|XP\_018154372.1 CVIN|KAF4924401.1 CVYL|A10230 FGRM|XP\_011319821.1 MGRA|XP\_003847519.1 MLAR|XP\_007408213.1 MORY|QBZ60376.1 NCRA|XP\_964339.3 SSCL|APA07262.1

>Orthogroup2622: ANID|CBF76889.1 BCIN|XP\_024546055.1 BGRA|VCU39770.1 CFRU|XP\_031880335.1 CGLO|KAF3807287.1 CHIG|XP\_018156969.1 CVIN|KAF4918076.1 CVYL|A10786 FGRM|XP\_011328277.1 MGRA|XP\_003847751.1 MLAR|XP\_007408871.1 MORY|QBZ65676.1 NCRA|XP\_964572.1 SSCL|APA07263.1

>Orthogroup2623: ANID|CBF76895.1 BCIN|XP\_001546435.1 BGRA|VCU39022.1 CFRU|XP\_031888200.1 CGLO|KAF3802265.1 CHIG|XP\_018154370.1 CVIN|KAF4924403.1 CVYL|A10252 FGRM|XP\_011319819.1 MGRA|XP\_003847735.1 MLAR|XP\_007405156.1 MORY|QBZ65717.1 NCRA|XP\_011392913.1 SSCL|APA07260.1

>Orthogroup2624: ANID|CBF76904.1 BCIN|XP\_024551988.1 BGRA|VCU39285.1 CFRU|XP\_031887539.1 CGLO|KAF3803293.1 CHIG|XP\_018161143.1 CVIN|KAF4928631.1 CVYL|A03728 FGRM|XP\_011327968.1 MGRA|XP\_003849543.1 MLAR|XP\_007413729.1 MORY|QBZ64568.1 NCRA|XP\_961888.1 SSCL|APA12671.1

>Orthogroup2625: ANID|CBF76906.1 BCIN|XP\_001557952.1 BGRA|VCU39286.1 CFRU|XP\_031887473.1 CGLO|KAF3803294.1 CHIG|XP\_018161144.1 CVIN|KAF4928630.1 CVYL|A03730 FGRM|XP\_011327969.1 MGRA|XP\_003849565.1 MLAR|XP\_007416588.1 MORY|QBZ64569.1 NCRA|XP\_961887.1 SSCL|APA12670.1

>Orthogroup2626: ANID|CBF76912.1 BCIN|XP\_001554621.1 BGRA|VDB85988.1 CFRU|XP\_031880421.1 CGLO|KAF3807310.1 CHIG|XP\_018156984.1 CVIN|KAF4918089.1 CVYL|A10797 FGRM|XP\_011315902.1 MGRA|XP\_003854577.1 MLAR|XP\_007406315.1 MORY|QBZ65871.1 NCRA|XP\_965754.1 SSCL|APA11055.1

>Orthogroup2627: ANID|CBF76920.1 BCIN|XP\_001550314.1 BGRA|VDB92832.1 CFRU|XP\_031878646.1 CGLO|KAF3798518.1 CHIG|XP\_018161195.1 CVIN|KAF4917469.1 CVYL|A03808 FGRM|XP\_011328019.1 MGRA|XP\_003849261.1 MLAR|XP\_007403547.1 MORY|QBZ57192.1 NCRA|XP\_962525.2 SSCL|APA12804.1

>Orthogroup2628: ANID|CBF76930.1 BCIN|XP\_001553964.2 CFRU|XP\_031891594.1 CGLO|KAF3797389.1 CHIG|XP\_018157343.1 CVIN|KAF4929346.1 CVYL|A10295 FGRM|XP\_011320178.1 MGRA|XP\_003853981.1 MLAR|XP\_007407475.1 MLAR|XP\_007409686.1 MORY|QBZ65610.1 NCRA|XP\_965808.3 SSCL|APA11086.1

>Orthogroup2629: ANID|CBF76932.1 BCIN|XP\_024550388.1 BGRA|VDB84177.1 CFRU|XP\_031891593.1 CGLO|KAF3797388.1 CHIG|XP\_018157342.1 CVIN|KAF4929389.1 FGRM|XP\_011320177.1 FGRM|XP\_011323318.1 MGRA|XP\_003854296.1 MLAR|XP\_007409475.1 MORY|QBZ65609.1 NCRA|XP\_965807.1 SSCL|APA11085.1

>Orthogroup2630: ANID|CBF76936.1 BCIN|XP\_001553998.2 BGRA|VDB91215.1 CFRU|XP\_031881593.1 CGLO|KAF3807386.1 CHIG|XP\_018156839.1 CVIN|KAF4929651.1 CVYL|A10879 FGRM|XP\_011328315.1 MGRA|XP\_003853982.1 MLAR|XP\_007404501.1 MORY|QBZ65877.1 NCRA|XP\_965749.1 SSCL|APA11100.1

>Orthogroup2631: ANID|CBF76940.1 BCIN|XP\_024550366.1 BGRA|VDB84148.1 CFRU|XP\_031880439.1 CGLO|KAF3807305.1 CHIG|XP\_018156979.1 CVIN|KAF4918074.1 CVYL|A10791 FGRM|XP\_011328328.1 MGRA|XP\_003853765.1 MLAR|XP\_007413818.1 MORY|QBZ65880.1 NCRA|XP\_965745.1 SSCL|APA11059.1

>Orthogroup2632: ANID|CBF76955.1 BCIN|XP\_001556998.1 BGRA|VDB85942.1 CFRU|XP\_031880333.1 CGLO|KAF3807309.1 CHIG|XP\_018156983.1 CVIN|KAF4918088.1 CVYL|A10795 FGRM|XP\_011315805.1 MGRA|XP\_003854159.1 MLAR|XP\_007412061.1 MORY|QBZ65922.1 NCRA|XP\_965804.1 SSCL|APA10810.1

>Orthogroup2633: ANID|CBF76965.1 BCIN|XP\_001560596.1 BGRA|VDB85829.1 CFRU|XP\_031887816.1 CGLO|KAF3802052.1 CHIG|XP\_018154179.1 CVIN|KAF4901923.1 CVYL|A03336 FGRM|XP\_011323002.1 MGRA|XP\_003854052.1 MORY|QBZ60697.1 MORY|QBZ66406.1 NCRA|XP\_011392844.1 SSCL|APA07911.1

>Orthogroup2634: ANID|CBF76969.1 BCIN|XP\_001560590.1 BGRA|VDB85827.1 CFRU|XP\_031888041.1 CGLO|KAF3802062.1 CHIG|XP\_018154194.1 CVIN|KAF4917973.1 CVYL|A03323 FGRM|XP\_011323005.1 MGRA|XP\_003854422.1 MLAR|XP\_007409974.1 MORY|QBZ66400.1 NCRA|XP\_011393153.1 SSCL|APA07914.1

>Orthogroup2635: ANID|CBF76990.1 BCIN|XP\_001554701.1 BGRA|VDB85682.1 CFRU|XP\_031877707.1 CGLO|KAF3797329.1 CHIG|XP\_018157177.1 CVIN|KAF4917659.1 CVYL|A10365 FGRM|XP\_011320249.1 FGRM|XP\_011322289.1 MGRA|XP\_003853870.1 MORY|QBZ66273.1 NCRA|XP\_011392940.1 SSCL|APA11008.1

>Orthogroup2636: ANID|CBF76998.1 BCIN|XP\_001552386.1 BGRA|VDB84457.1 CFRU|XP\_031877738.1 CGLO|KAF3797333.1 CHIG|XP\_018157175.1 CVIN|KAF4917662.1 CVYL|A10360 FGRM|XP\_011320251.1 MGRA|XP\_003853729.1 MLAR|XP\_007415558.1 MORY|QBZ66277.1 NCRA|XP\_964285.3 SSCL|APA11202.1

>Orthogroup2637: ANID|CBF77006.1 BCIN|XP\_024550324.1 BGRA|VDB85950.1 CFRU|XP\_031892471.1 CGLO|KAF3797090.1 CHIG|XP\_018157059.1 CVIN|KAF4911395.1 CVYL|A10619 FGRM|XP\_011315806.1 MGRA|XP\_003854514.1 MLAR|XP\_007416370.1 MORY|QBZ65921.1 NCRA|XP\_965809.1 SSCL|APA10994.1

>Orthogroup2638: ANID|CBF77008.1 BCIN|XP\_024550323.1 BGRA|VDB85949.1 CFRU|XP\_031892463.1 CGLO|KAF3797091.1 CHIG|XP\_018157060.1 CVIN|KAF4911380.1 CVYL|A10617 FGRM|XP\_011315807.1 MGRA|XP\_003853750.1 MLAR|XP\_007410684.1 MORY|QBZ65920.1 NCRA|XP\_965810.3 SSCL|APA10993.1

>Orthogroup2639: ANID|CBF77016.1 BCIN|XP\_024550400.1 BGRA|VDB85806.1 CFRU|XP\_031888095.1 CGLO|KAF3802284.1 CHIG|XP\_018154383.1 CVIN|KAF4924405.1 CVYL|A10485 FGRM|XP\_011319787.1 MGRA|XP\_003854529.1 MLAR|XP\_007414939.1 MORY|QBZ65800.1 NCRA|XP\_964120.1 SSCL|APA11095.1

>Orthogroup2640: ANID|CBF77033.1 BCIN|XP\_024550571.1 BGRA|VDB85953.1 CFRU|XP\_031891298.1 CGLO|KAF3797624.1 CHIG|XP\_018157416.1 CVIN|KAF4929428.1 CVYL|A11076 FGRM|XP\_011323012.1 MGRA|XP\_003854187.1 MLAR|XP\_007415959.1 MORY|QBZ66401.1 NCRA|XP\_959152.1 SSCL|APA11366.1

>Orthogroup2641: ANID|CBF77040.1 BCIN|XP\_024550320.1 BGRA|VDB85670.1 BGRA|VDB85672.1 CFRU|XP\_031881571.1 CGLO|KAF3807393.1 CHIG|XP\_018156823.1 CVIN|KAF4929602.1 CVYL|A10886 FGRM|XP\_011328320.1 MGRA|XP\_003854161.1 MORY|QBZ65582.1 NCRA|XP\_011392953.1 SSCL|APA10988.1

>Orthogroup2642: ANID|CBF77056.1 BCIN|XP\_001550855.1 BGRA|VDB89598.1 CFRU|XP\_031876401.1 CGLO|KAF3797792.1 CHIG|XP\_018156469.1 CVIN|KAF4923152.1 CVYL|A03017 FGRM|XP\_011318570.1 MGRA|XP\_003851666.1 MLAR|XP\_007417981.1 MORY|QBZ55897.1 NCRA|XP\_960038.1 SSCL|APA12426.1

>Orthogroup2643: ANID|CBF77062.1 BCIN|XP\_001547838.1 BGRA|VCU40859.1 CFRU|XP\_031875748.1 CGLO|KAF3797764.1 CHIG|XP\_018156433.1 CVIN|KAF4918800.1 CVYL|A02980 FGRM|XP\_011318782.1 MGRA|XP\_003856143.1 MLAR|XP\_007410995.1 MORY|QBZ57719.1 NCRA|XP\_960073.1 SSCL|APA11552.1

>Orthogroup2644: ANID|CBF77071.1 BCIN|XP\_001547832.1 BGRA|VCU40860.1 CFRU|XP\_031880313.1 CGLO|KAF3808995.1 CHIG|XP\_018155838.1 CVIN|KAF4918027.1 CVYL|A01424 FGRM|XP\_011318989.1 MGRA|XP\_003857547.1 MLAR|XP\_007412338.1 MORY|QBZ61112.1 NCRA|XP\_958041.1 SSCL|APA11556.1

>Orthogroup2645: ANID|CBF77090.1 BCIN|XP\_024549207.1 BGRA|VCU38839.1 CFRU|XP\_031877696.1 CGLO|KAF3797339.1 CHIG|XP\_018157172.1 CVIN|KAF4917668.1 CVYL|A10353 FGRM|XP\_011320030.1 MGRA|XP\_003847609.1 MLAR|XP\_007410067.1 MORY|QBZ65861.1 NCRA|XP\_965761.2 SSCL|APA15738.1

>Orthogroup2646: ANID|CBF77104.1 BCIN|XP\_024546438.1 CFRU|XP\_031876095.1 CGLO|KAF3807360.1 CHIG|XP\_018156864.1 CVIN|KAF4920056.1 CVYL|A10855 FGRM|XP\_011328555.1 MGRA|XP\_003847623.1 MLAR|XP\_007404112.1 MLAR|XP\_007419335.1 MORY|QBZ65856.1 NCRA|XP\_964079.2 SSCL|APA07099.1

>Orthogroup2647: ANID|CBF77141.1 BCIN|XP\_024549065.1 BGRA|VCU38845.1 CFRU|XP\_031877718.1 CGLO|KAF3797352.1 CHIG|XP\_018157159.1 CVIN|KAF4889985.1 CVYL|A10338 FGRM|XP\_011320098.1 MGRA|XP\_003847827.1 MLAR|XP\_007404436.1 MORY|QBZ65896.1 NCRA|XP\_965832.1 SSCL|APA15846.1

>Orthogroup2648: ANID|CBF77146.1 BCIN|XP\_001560203.1 BGRA|VDB86259.1 CFRU|XP\_031881560.1 CGLO|KAF3807439.1 CHIG|XP\_018156788.1 CVIN|KAF4918540.1 CVYL|A10943 FGRM|XP\_011328284.1 MGRA|XP\_003847555.1 MLAR|XP\_007416928.1 MORY|QBZ65850.1 NCRA|XP\_965739.1 SSCL|APA15901.1

>Orthogroup2649: ANID|CBF77152.1 BCIN|XP\_001560254.1 BGRA|VDB86323.1 CFRU|XP\_031880443.1 CGLO|KAF3807308.1 CHIG|XP\_018156982.1 CVIN|KAF4918091.1 CVYL|A10794 FGRM|XP\_011315780.1 MGRA|XP\_003847744.1 MLAR|XP\_007407621.1 MORY|QBZ65669.1 NCRA|XP\_964725.1 SSCL|APA15948.1

>Orthogroup2650: ANID|CBF77171.1 BCIN|XP\_024553166.1 BGRA|VDB88999.1 CFRU|XP\_031892019.1 CGLO|KAF3800135.1 CHIG|XP\_018165069.1 CVIN|KAF4925813.1 CVYL|A06824 FGRM|XP\_011327675.1 MLAR|XP\_007418624.1 MLAR|XP\_007419083.1 MORY|QBZ60676.1 NCRA|XP\_011395290.1 SSCL|APA13417.1

>Orthogroup2651: ANID|CBF77185.1 BCIN|XP\_001545455.1 BGRA|VDB83740.1 CFRU|XP\_031878486.1 CGLO|KAF3798636.1 CHIG|XP\_018153909.1 CVIN|KAF4912449.1 CVYL|A04814 FGRM|XP\_011324038.1 MGRA|XP\_003848554.1 MLAR|XP\_007404175.1 MORY|QBZ60792.1 NCRA|XP\_959239.1 SSCL|APA14199.1

>Orthogroup2652: ANID|CBF77187.1 BCIN|XP\_001545454.2 BGRA|VDB83738.1 CFRU|XP\_031878515.1 CGLO|KAF3798637.1 CHIG|XP\_018153908.1 CVIN|KAF4912443.1 CVYL|A04813 FGRM|XP\_011324689.1 MGRA|XP\_003848429.1 MLAR|XP\_007404429.1 MORY|QBZ60793.1 NCRA|XP\_959240.1 SSCL|APA14198.1

>Orthogroup2653: ANID|CBF77195.1 BCIN|XP\_001545872.1 BGRA|VCU39078.1 CFRU|XP\_031887965.1 CGLO|KAF3802230.1 CHIG|XP\_018154334.1 CVIN|KAF4914861.1 CVYL|A03171 FGRM|XP\_011319837.1 MGRA|XP\_003847785.1 MLAR|XP\_007406003.1 MORY|QBZ66018.1 NCRA|XP\_961283.1 SSCL|APA07282.1

>Orthogroup2654: ANID|CBF77209.1 BCIN|XP\_024550715.1 BGRA|VDB93219.1 CFRU|XP\_031887257.1 CGLO|KAF3809269.1 CHIG|XP\_018156104.1 CVIN|KAF4907389.1 CVYL|A01462 FGRM|XP\_011319319.1 MGRA|XP\_003857610.1 MLAR|XP\_007405724.1 MORY|QBZ56931.1 NCRA|XP\_955863.1 SSCL|APA11560.1

>Orthogroup2655: ANID|CBF77226.1 ANID|CBF79553.1 BCIN|XP\_001545898.2 CFRU|XP\_031880109.1 CFRU|XP\_031891878.1 CGLO|KAF3800048.1 CGLO|KAF3811797.1 CHIG|XP\_018151756.1 CVIN|KAF4919351.1 CVIN|KAF4924926.1 CVYL|A12803 FGRM|XP\_011321143.1 MORY|QBZ63143.1 SSCL|APA14865.1

>Orthogroup2656: ANID|CBF77234.1 BCIN|XP\_024550708.1 BGRA|VCU40882.1 CFRU|XP\_031887232.1 CGLO|KAF3809301.1 CHIG|XP\_018156134.1 CVIN|KAF4911371.1 CVYL|A01497 FGRM|XP\_011318825.1 MGRA|XP\_003857571.1 MLAR|XP\_007404730.1 MORY|QBZ62230.1 NCRA|XP\_957595.1 SSCL|APA11545.1

>Orthogroup2657: ANID|CBF77238.1 BCIN|XP\_001546645.1 BGRA|VCU40888.1 CFRU|XP\_031889252.1 CGLO|KAF3808719.1 CHIG|XP\_018155547.1 CVIN|KAF4929566.1 CVYL|A00941 FGRM|XP\_011319272.1 MGRA|XP\_003856041.1 MLAR|XP\_007407126.1 MORY|QBZ59253.1 NCRA|XP\_958039.1 SSCL|APA11539.1

>Orthogroup2658: ANID|CBF77244.1 ANID|CBF88759.1 BCIN|XP\_024550705.1 CFRU|XP\_031892789.1 CGLO|KAF3809057.1 CHIG|XP\_018155876.1 CVIN|KAF4900563.1 CVYL|A01274 FGRM|XP\_011319287.1 MGRA|XP\_003857614.1 MLAR|XP\_007406341.1 MORY|QBZ59020.1 NCRA|XP\_961242.2 SSCL|APA11540.1

>Orthogroup2659: ANID|CBF77248.1 BCIN|XP\_024549208.1 BGRA|VCU38838.1 CFRU|XP\_031877679.1 CGLO|KAF3797340.1 CHIG|XP\_018157170.1 CVIN|KAF4917651.1 CVYL|A10351 FGRM|XP\_011320031.1 MGRA|XP\_003847729.1 MLAR|XP\_007407762.1 MORY|QBZ65859.1 NCRA|XP\_965762.3 SSCL|APA15739.1

>Orthogroup2660: ANID|CBF77256.1 BCIN|XP\_001545585.2 BGRA|VCU41088.1 CFRU|XP\_031886717.1 CGLO|KAF3804085.1 CHIG|XP\_018162683.1 CVIN|KAF4919553.1 CVYL|A07045 FGRM|XP\_011326361.1 MGRA|XP\_003852110.1 MLAR|XP\_007414647.1 MORY|QBZ55651.1 NCRA|XP\_961999.3 SSCL|APA10206.1

>Orthogroup2661: ANID|CBF77258.1 BCIN|XP\_001551426.1 BGRA|VDB88945.1 CFRU|XP\_031886753.1 CGLO|KAF3804086.1 CHIG|XP\_018162682.1 CVIN|KAF4919552.1 CVYL|A07046 FGRM|XP\_011326360.1 MGRA|XP\_003852708.1 MLAR|XP\_007416648.1 MORY|QBZ55650.1 NCRA|XP\_956385.1 SSCL|APA10347.1

>Orthogroup2662: ANID|CBF77262.1 BCIN|XP\_001559267.1 BGRA|VDB84432.1 CFRU|XP\_031886963.1 CGLO|KAF3811304.1 CHIG|XP\_018160528.1 CVIN|KAF4927265.1 CVYL|A04482 FGRM|XP\_011326470.1 MGRA|XP\_003853091.1 MLAR|XP\_007410039.1 MORY|QBZ57996.1 NCRA|XP\_956756.1 SSCL|APA07845.1

>Orthogroup2663: ANID|CBF77273.1 BCIN|XP\_001551407.1 CFRU|XP\_031885055.1 CGLO|KAF3807700.1 CHIG|XP\_018162935.1 CVIN|KAF4918883.1 CVYL|A07231 FGRM|XP\_011326247.1 MGRA|XP\_003856245.1 MLAR|XP\_007411620.1 MLAR|XP\_007413747.1 MORY|QBZ54958.1 NCRA|XP\_957713.1 SSCL|APA10363.1

>Orthogroup2664: ANID|CBF77288.1 BCIN|XP\_001551361.1 BGRA|VCU39503.1 CFRU|XP\_031878400.1 CGLO|KAF3810730.1 CHIG|XP\_018162590.1 CVIN|KAF4932126.1 CVYL|A07222 FGRM|XP\_011323966.1 MGRA|XP\_003852665.1 MLAR|XP\_007404497.1 MORY|QBZ63900.1 NCRA|XP\_956172.1 SSCL|APA10403.1

>Orthogroup2665: ANID|CBF77290.1 BCIN|XP\_024551526.1 BGRA|VCU41096.1 CFRU|XP\_031886723.1 CGLO|KAF3804083.1 CHIG|XP\_018162687.1 CVIN|KAF4919547.1 CVYL|A07043 FGRM|XP\_011326365.1 MGRA|XP\_003856282.1 MLAR|XP\_007410849.1 MORY|QBZ55653.1 NCRA|XP\_956383.3 SSCL|APA10216.1

>Orthogroup2666: ANID|CBF77302.1 BCIN|XP\_024551347.1 BGRA|VDB89100.1 CFRU|XP\_031886599.1 CGLO|KAF3804112.1 CHIG|XP\_018162640.1 CVIN|KAF4932026.1 CVYL|A07078 FGRM|XP\_011326649.1 MGRA|XP\_003852843.1 MLAR|XP\_007418572.1 MORY|QBZ59592.1 NCRA|XP\_963100.1 SSCL|APA10515.1

>Orthogroup2667: ANID|CBF77304.1 BCIN|XP\_024551349.1 BGRA|VDB89102.1 CFRU|XP\_031886766.1 CGLO|KAF3804111.1 CHIG|XP\_018162642.1 CVIN|KAF4932025.1 CVYL|A07077 FGRM|XP\_011326648.1 MGRA|XP\_003852842.1 MLAR|XP\_007410968.1 MORY|QBZ59594.1 NCRA|XP\_963101.1 SSCL|APA10514.1

>Orthogroup2668: ANID|CBF77310.1 BCIN|XP\_001548061.2 BGRA|VDB94931.1 CFRU|XP\_031886773.1 CGLO|KAF3804121.1 CHIG|XP\_018162625.1 CVIN|KAF4932120.1 CVYL|A07086 FGRM|XP\_011326653.1 MGRA|XP\_003856457.1 MLAR|XP\_007404350.1 MORY|QBZ59591.1 NCRA|XP\_011393900.1 SSCL|APA10522.1

>Orthogroup2669: ANID|CBF77316.1 BCIN|XP\_024552640.1 BGRA|VDB93078.1 CFRU|XP\_031891366.1 CGLO|KAF3797917.1 CHIG|XP\_018161603.1 CVIN|KAF4907840.1 CVYL|A05352 FGRM|XP\_011318656.1 MGRA|XP\_003855896.1 MLAR|XP\_007417052.1 MORY|QBZ61997.1 NCRA|XP\_959071.1 SSCL|APA15594.1

>Orthogroup2670: ANID|CBF77328.1 BCIN|XP\_001554600.1 BGRA|VDB94880.1 CFRU|XP\_031891373.1 CGLO|KAF3797902.1 CHIG|XP\_018161617.1 CVIN|KAF4905679.1 CVYL|A05339 FGRM|XP\_011318667.1 MGRA|XP\_003857758.1 MLAR|XP\_007408438.1 MORY|QBZ62037.1 NCRA|XP\_963051.1 SSCL|APA11069.1

>Orthogroup2671: ANID|CBF77339.1 BCIN|XP\_001560061.1 BGRA|VDB83886.1 CFRU|XP\_031884513.1 CGLO|KAF3799675.1 CHIG|XP\_018158265.1 CVIN|KAF4895369.1 CVYL|A05840 FGRM|XP\_011316506.1 MGRA|XP\_003855925.1 MLAR|XP\_007409626.1 MORY|QBZ56710.1 NCRA|XP\_964841.3 SSCL|APA09912.1

>Orthogroup2672: ANID|CBF77343.1 BCIN|XP\_001559931.2 BGRA|VDB92865.1 CFRU|XP\_031884602.1 CGLO|KAF3799724.1 CHIG|XP\_018158252.1 CVIN|KAF4919976.1 CVYL|A05883 FGRM|XP\_011328651.1 MGRA|XP\_003855924.1 MLAR|XP\_007407004.1 MORY|QBZ64461.1 NCRA|XP\_964840.1 SSCL|APA09764.1

>Orthogroup2673: ANID|CBF77349.1 BCIN|XP\_001554614.1 BGRA|VDB94746.1 CFRU|XP\_031891382.1 CGLO|KAF3804720.1 CHIG|XP\_018161793.1 CVIN|KAF4923371.1 CVYL|A05401 FGRM|XP\_011321478.1 MGRA|XP\_003855921.1 MLAR|XP\_007411598.1 MORY|QBZ59682.1 NCRA|XP\_011393977.1 SSCL|APA11063.1

>Orthogroup2674: ANID|CBF77356.1 BCIN|XP\_001560063.1 BGRA|VCU40291.1 CFRU|XP\_031890133.1 CGLO|KAF3810385.1 CHIG|XP\_018158375.1 CVIN|KAF4909105.1 CVYL|A05727 FGRM|XP\_011316528.1 MGRA|XP\_003857798.1 MLAR|XP\_007417322.1 MORY|QBZ64449.1 NCRA|XP\_958022.2 SSCL|APA09911.1

>Orthogroup2675: ANID|CBF77385.1 BCIN|XP\_001548557.1 BGRA|VDB90521.1 CFRU|XP\_031888542.1 CGLO|KAF3803559.1 CHIG|XP\_018164129.1 CHIG|XP\_018164130.1 CVIN|KAF4922292.1 CVYL|A14491 FGRM|XP\_011326497.1 MGRA|XP\_003852892.1 MORY|QBZ56412.1 NCRA|XP\_964465.3 SSCL|APA06610.1

>Orthogroup2676: ANID|CBF77390.1 BCIN|XP\_024552927.1 BGRA|VCU41151.1 CFRU|XP\_031882478.1 CGLO|KAF3807571.1 CHIG|XP\_018156363.1 CVIN|KAF4928925.1 CVYL|A02911 FGRM|XP\_011318940.1 MGRA|XP\_003857658.1 MLAR|XP\_007417844.1 MORY|QBZ57447.1 NCRA|XP\_960881.3 SSCL|APA07543.1

>Orthogroup2677: ANID|CBF77394.1 BCIN|XP\_001560050.1 BGRA|VCU40271.1 CFRU|XP\_031884508.1 CGLO|KAF3799679.1 CHIG|XP\_018158271.1 CVIN|KAF4919993.1 CVYL|A05843 FGRM|XP\_011316515.1 MGRA|XP\_003855882.1 MLAR|XP\_007409323.1 MORY|QBZ59227.1 NCRA|XP\_965587.1 SSCL|APA09920.1

>Orthogroup2678: ANID|CBF77398.1 BCIN|XP\_024548694.1 BGRA|VCU40257.1 CFRU|XP\_031884655.1 CGLO|KAF3810308.1 CHIG|XP\_018158332.1 CVIN|KAF4913299.1 CVYL|A05796 FGRM|XP\_011316492.1 MGRA|XP\_003855834.1 MLAR|XP\_007417123.1 MORY|QBZ58457.1 NCRA|XP\_964366.2 SSCL|APA09922.1

>Orthogroup2679: ANID|CBF77402.1 BCIN|XP\_001559750.2 BGRA|VCU40258.1 CFRU|XP\_031884473.1 CGLO|KAF3799071.1 CHIG|XP\_018158188.1 CVIN|KAF4918244.1 CVYL|A11459 FGRM|XP\_011328386.1 MGRA|XP\_003855907.1 MLAR|XP\_007408808.1 MORY|QBZ64475.1 NCRA|XP\_965625.3 SSCL|APA09484.1

>Orthogroup2680: ANID|CBF77416.1 BCIN|XP\_001548642.1 BGRA|VDB83876.1 CFRU|XP\_031890148.1 CGLO|KAF3802800.1 CHIG|XP\_018158422.1 CVIN|KAF4908248.1 CVYL|A11379 FGRM|XP\_011316497.1 MGRA|XP\_003857754.1 MLAR|XP\_007407787.1 MORY|QBZ60274.1 NCRA|XP\_011393257.1 SSCL|APA09634.1

>Orthogroup2681: ANID|CBF77426.1 BCIN|XP\_024548771.1 BGRA|VDB89272.1 BGRA|VDB89273.1 CFRU|XP\_031887126.1 CGLO|KAF3811210.1 CHIG|XP\_018160437.1 CVIN|KAF4931264.1 CVYL|A04377 FGRM|XP\_011323648.1 MLAR|XP\_007408343.1 MORY|QBZ59113.1 NCRA|XP\_961130.1 SSCL|APA09709.1

>Orthogroup2682: ANID|CBF77432.1 BCIN|XP\_024546616.1 BGRA|VDB90642.1 CFRU|XP\_031888518.1 CGLO|KAF3803732.1 CHIG|XP\_018153181.1 CVIN|KAF4928547.1 CVYL|A14668 FGRM|XP\_011316842.1 MGRA|XP\_003851135.1 MLAR|XP\_007408903.1 MORY|QBZ59791.1 NCRA|XP\_965639.1 SSCL|APA06450.1

>Orthogroup2683: ANID|CBF77434.1 BCIN|XP\_001553621.1 BGRA|VDB90640.1 CFRU|XP\_031888517.1 CGLO|KAF3803733.1 CHIG|XP\_018153180.1 CVIN|KAF4928548.1 CVYL|A14115 FGRM|XP\_011316841.1 MGRA|XP\_003850717.1 MLAR|XP\_007406729.1 MORY|QBZ59790.1 NCRA|XP\_965640.2 SSCL|APA06449.1

>Orthogroup2684: ANID|CBF77444.1 BCIN|XP\_001545413.1 BGRA|VDB90560.1 CFRU|XP\_031888541.1 CGLO|KAF3803558.1 CHIG|XP\_018164131.1 CVIN|KAF4922293.1 CVYL|A14490 FGRM|XP\_011326496.1 MGRA|XP\_003850600.1 MLAR|XP\_007416668.1 MORY|QBZ56413.1 NCRA|XP\_964466.3 SSCL|APA06473.1

>Orthogroup2685: ANID|CBF77452.1 BCIN|XP\_024549478.1 CFRU|XP\_031882250.1 CGLO|KAF3804445.1 CHIG|XP\_018160273.1 CVIN|KAF4930970.1 CVYL|A04154 FGRM|XP\_011324508.1 MGRA|XP\_003851189.1 MLAR|XP\_007417205.1 MLAR|XP\_007417246.1 MORY|QBZ53828.1 NCRA|XP\_011394791.1 SSCL|APA09163.1

>Orthogroup2686: ANID|CBF77453.1 BCIN|XP\_001555179.1 BGRA|VCU40011.1 CFRU|XP\_031882251.1 CGLO|KAF3804446.1 CHIG|XP\_018160272.1 CVIN|KAF4930919.1 CVYL|A04155 FGRM|XP\_011324507.1 MGRA|XP\_003850673.1 MLAR|XP\_007404582.1 MORY|QBZ53829.1 NCRA|XP\_011394498.1 SSCL|APA09162.1

>Orthogroup2687: ANID|CBF77455.1 BCIN|XP\_001555182.1 BGRA|VCU39566.1 CFRU|XP\_031880749.1 CGLO|KAF3811202.1 CHIG|XP\_018160447.1 CVIN|KAF4931205.1 CVYL|A04368 FGRM|XP\_011326475.1 MGRA|XP\_003850687.1 MLAR|XP\_007410960.1 MORY|QBZ53850.1 NCRA|XP\_011394583.1 SSCL|APA09174.1

>Orthogroup2688: ANID|CBF77467.1 BCIN|XP\_024546610.1 BGRA|VDB90654.1 CFRU|XP\_031888369.1 CGLO|KAF3803598.1 CHIG|XP\_018163867.1 CVIN|KAF4920351.1 CVYL|A14533 FGRM|XP\_011316711.1 MGRA|XP\_003850639.1 MLAR|XP\_007404117.1 MORY|QBZ55364.1 NCRA|XP\_964054.1 SSCL|APA06453.1

>Orthogroup2689: ANID|CBF77469.1 BCIN|XP\_024546643.1 BGRA|VDB90570.1 CFRU|XP\_031884188.1 CGLO|KAF3803765.1 CHIG|XP\_018153150.1 CVIN|KAF4917896.1 CVYL|A14145 FGRM|XP\_011324181.1 MGRA|XP\_003850656.1 MLAR|XP\_007414716.1 MORY|QBZ59805.1 NCRA|XP\_965641.1 SSCL|APA06476.1

>Orthogroup2690: ANID|CBF77479.1 BCIN|XP\_024548549.1 BGRA|VCU39569.1 CFRU|XP\_031882164.1 CGLO|KAF3804472.1 CHIG|XP\_018160307.1 CVIN|KAF4930990.1 CVYL|A04187 FGRM|XP\_011326440.1 MGRA|XP\_003851249.1 MLAR|XP\_007407977.1 MORY|QBZ57019.1 NCRA|XP\_958766.2 SSCL|APA10075.1

>Orthogroup2691: ANID|CBF77490.1 BCIN|XP\_001553576.1 BGRA|VDB90720.1 CFRU|XP\_031890602.1 CGLO|KAF3804823.1 CHIG|XP\_018164317.1 CVIN|KAF4929776.1 CVYL|A12251 FGRM|XP\_011317013.1 MGRA|XP\_003851215.1 MLAR|XP\_007415443.1 MORY|QBZ60574.1 NCRA|XP\_964479.1 SSCL|APA06413.1

>Orthogroup2692: ANID|CBF77496.1 BCIN|XP\_024546590.1 BGRA|VDB90722.1 CFRU|XP\_031890594.1 CGLO|KAF3804821.1 CHIG|XP\_018164319.1 CVIN|KAF4929793.1 CVYL|A12253 FGRM|XP\_011317011.1 MGRA|XP\_003850602.1 MLAR|XP\_007405038.1 MORY|QBZ63554.1 NCRA|XP\_964481.3 SSCL|APA06415.1

>Orthogroup2693: ANID|CBF77504.1 BCIN|XP\_001546950.2 BGRA|VDB93109.1 CFRU|XP\_031882397.1 CGLO|KAF3807602.1 CHIG|XP\_018156332.1 CVIN|KAF4928893.1 CVYL|A02880 FGRM|XP\_011318999.1 MLAR|XP\_007413903.1 MLAR|XP\_007419421.1 MORY|QBZ56922.1 NCRA|XP\_957617.2 SSCL|APA12548.1

>Orthogroup2694: ANID|CBF77508.1 BCIN|XP\_001549321.1 BGRA|VCU40385.1 CFRU|XP\_031877818.1 CGLO|KAF3806611.1 CHIG|XP\_018164244.1 CVIN|KAF4929824.1 CVYL|A12320 FGRM|XP\_011325570.1 MGRA|XP\_003848000.1 MLAR|XP\_007415965.1 MORY|QBZ54022.1 NCRA|XP\_957152.1 SSCL|APA12118.1

>Orthogroup2695: ANID|CBF77538.1 BCIN|XP\_024548218.1 BGRA|VCU40602.1 CFRU|XP\_031885491.1 CHIG|XP\_018154502.1 CVIN|KAF4931757.1 FGRM|XP\_011324933.1 MGRA|XP\_003848170.1 MLAR|XP\_007406629.1 MLAR|XP\_007411715.1 MLAR|XP\_007412447.1 MORY|QBZ62074.1 NCRA|XP\_011393475.1 SSCL|APA12470.1

>Orthogroup2696: ANID|CBF77543.1 BCIN|XP\_024548275.1 BGRA|VDB93227.1 BGRA|VDB93228.1 CFRU|XP\_031881241.1 CGLO|KAF3802479.1 CHIG|XP\_018154783.1 CVIN|KAF4907435.1 CVYL|A02071 FGRM|XP\_011321208.1 MGRA|XP\_003848123.1 MORY|QBZ57283.1 NCRA|XP\_956758.3 SSCL|APA12497.1

>Orthogroup2697: ANID|CBF77555.1 BCIN|XP\_024548204.1 BGRA|VDB93229.1 CFRU|XP\_031881239.1 CGLO|KAF3802481.1 CHIG|XP\_018154784.1 CVIN|KAF4907433.1 CVYL|A02073 FGRM|XP\_011321209.1 MLAR|XP\_007407473.1 MLAR|XP\_007407474.1 MORY|QBZ57284.1 NCRA|XP\_001727974.1 SSCL|APA12457.1

>Orthogroup2698: ANID|CBF77573.1 BCIN|XP\_024548193.1 BGRA|VCU40729.1 CFRU|XP\_031890822.1 CGLO|KAF3811687.1 CHIG|XP\_018151825.1 CVIN|KAF4915940.1 CVYL|A12710 FGRM|XP\_011319396.1 MGRA|XP\_003847843.1 MLAR|XP\_007411147.1 MORY|QBZ61890.1 NCRA|XP\_959445.3 SSCL|APA12445.1

>Orthogroup2699: ANID|CBF77576.1 BCIN|XP\_024548254.1 BGRA|VDB93225.1 CFRU|XP\_031885508.1 CGLO|KAF3799505.1 CHIG|XP\_018154491.1 CVIN|KAF4931870.1 CVYL|A13366 FGRM|XP\_011321246.1 MGRA|XP\_003848098.1 MLAR|XP\_007416325.1 MORY|QBZ57277.1 NCRA|XP\_011393447.1 SSCL|APA12517.1

>Orthogroup2700: ANID|CBF77580.1 BCIN|XP\_024548197.1 BGRA|VCU40725.1 CFRU|XP\_031883543.1 CGLO|KAF3800189.1 CHIG|XP\_018155105.1 CVIN|KAF4897008.1 CVYL|A06099 FGRM|XP\_011317481.1 MGRA|XP\_003848028.1 MLAR|XP\_007415929.1 MORY|QBZ64820.1 NCRA|XP\_956298.1 SSCL|APA12450.1

>Orthogroup2701: ANID|CBF77590.1 BCIN|XP\_001557565.1 CFRU|XP\_031880247.1 CGLO|KAF3808962.1 CHIG|XP\_018155815.1 CVIN|KAF4920717.1 CVYL|A01124 FGRM|XP\_011319098.1 MGRA|XP\_003847236.1 MGRA|XP\_003847871.1 MLAR|XP\_007404523.1 MORY|QBZ60330.1 NCRA|XP\_961065.2 SSCL|APA12335.1

>Orthogroup2702: ANID|CBF77594.1 BCIN|XP\_001557568.1 BGRA|VCU40357.1 CFRU|XP\_031889210.1 CGLO|KAF3808793.1 CHIG|XP\_018155691.1 CVIN|KAF4906811.1 CVYL|A00872 FGRM|XP\_011319343.1 MGRA|XP\_003847937.1 MLAR|XP\_007417700.1 MORY|QBZ58933.1 NCRA|XP\_960609.1 SSCL|APA12332.1

>Orthogroup2703: ANID|CBF77598.1 BCIN|XP\_024548377.1 BGRA|VCU40359.1 CGLO|KAF3808989.1 CHIG|XP\_018155816.1 CVIN|KAF4920852.1 FGRM|XP\_011318839.1 MGRA|XP\_003848131.1 MLAR|XP\_007407258.1 MORY|QBZ62222.1 NCRA|XP\_957429.1 NCRA|XP\_960951.1 SSCL|APA12325.1 SSCL|APA15433.1

>Orthogroup2704: ANID|CBF77602.1 BCIN|XP\_001557576.1 BGRA|VCU40361.1 CFRU|XP\_031880319.1 CGLO|KAF3808987.1 CHIG|XP\_018155818.1 CVIN|KAF4920866.1 CVYL|A01357 FGRM|XP\_011318841.1 MGRA|XP\_003848200.1 MLAR|XP\_007407452.1 MORY|QBZ62221.1 NCRA|XP\_960949.1 SSCL|APA12327.1

>Orthogroup2705: ANID|CBF77606.1 BCIN|XP\_001557575.1 BGRA|VCU40362.1 CFRU|XP\_031880318.1 CHIG|XP\_018155819.1 CVIN|KAF4920845.1 CVYL|A01346 FGRM|XP\_011318842.1 MGRA|XP\_003847970.1 MLAR|XP\_007418243.1 MLAR|XP\_007418932.1 MORY|QBZ62220.1 NCRA|XP\_961092.1 SSCL|APA12328.1

>Orthogroup2706: ANID|CBF77610.1 BCIN|XP\_001550905.1 BGRA|VCU41004.1 CFRU|XP\_031889208.1 CGLO|KAF3808787.1 CHIG|XP\_018155698.1 CVIN|KAF4906821.1 CVYL|A00878 FGRM|XP\_011319331.1 MGRA|XP\_003848177.1 MLAR|XP\_007403916.1 MORY|QBZ58955.1 NCRA|XP\_960802.3 SSCL|APA12390.1

>Orthogroup2707: ANID|CBF77624.1 BCIN|XP\_024548154.1 BGRA|VDB96423.1 CFRU|XP\_031889400.1 CGLO|KAF3808785.1 CHIG|XP\_018155700.1 CVIN|KAF4906810.1 CVYL|A00880 FGRM|XP\_011318363.1 FGRM|XP\_011319022.1 MGRA|XP\_003848181.1 MORY|QBZ58941.1 NCRA|XP\_011394750.1 SSCL|APA12389.1

>Orthogroup2708: ANID|CBF77627.1 BCIN|XP\_001550911.2 BGRA|VDB93108.1 CFRU|XP\_031889424.1 CGLO|KAF3808800.1 CHIG|XP\_018155705.1 CVIN|KAF4906817.1 CVYL|A00864 FGRM|XP\_011319252.1 MGRA|XP\_003848179.1 MLAR|XP\_007414619.1 MORY|QBZ58944.1 NCRA|XP\_960807.1 SSCL|APA12386.1

>Orthogroup2709: ANID|CBF77645.1 BCIN|XP\_001549288.1 BGRA|VCU40425.1 CFRU|XP\_031882641.1 CGLO|KAF3800484.1 CHIG|XP\_018152277.1 CVIN|KAF4906668.1 CVYL|A13229 FGRM|XP\_011323678.1 MGRA|XP\_003848109.1 MLAR|XP\_007404079.1 MORY|QBZ54410.1 NCRA|XP\_956818.1 SSCL|APA12106.1

>Orthogroup2710: ANID|CBF77666.1 BCIN|XP\_001557845.2 BGRA|VCU40383.1 CFRU|XP\_031890867.1 CGLO|KAF3801449.1 CHIG|XP\_018151895.1 CVIN|KAF4912399.1 CVYL|A12677 FGRM|XP\_011325497.1 MGRA|XP\_003848189.1 MLAR|XP\_007408960.1 MORY|QBZ63156.1 NCRA|XP\_011393647.1 SSCL|APA12119.1

>Orthogroup2711: ANID|CBF77688.1 BCIN|XP\_001557302.1 BGRA|VCU40601.1 CFRU|XP\_031885358.1 CGLO|KAF3799513.1 CHIG|XP\_018154501.1 CVIN|KAF4931756.1 CVYL|A13374 FGRM|XP\_011324934.1 MGRA|XP\_003847967.1 MLAR|XP\_007406662.1 MORY|QBZ62073.1 NCRA|XP\_956870.3 SSCL|APA12472.1

>Orthogroup2712: ANID|CBF77715.1 BCIN|XP\_001557203.2 BGRA|VDB93146.1 CFRU|XP\_031885387.1 CGLO|KAF3799441.1 CHIG|XP\_018152319.1 CVIN|KAF4931809.1 CVYL|A13303 FGRM|XP\_011321214.1 MGRA|XP\_003848055.1 MLAR|XP\_007418039.1 MORY|QBZ57291.1 NCRA|XP\_963168.1 SSCL|APA12496.1

>Orthogroup2713: ANID|CBF77747.1 BCIN|XP\_001549144.1 BGRA|VCU38753.1 CFRU|XP\_031877775.1 CGLO|KAF3810676.1 CHIG|XP\_018162433.1 CVIN|KAF4916941.1 CVYL|A07283 FGRM|XP\_011318444.1 MGRA|XP\_003856481.1 MLAR|XP\_007417512.1 MORY|QBZ55712.1 NCRA|XP\_962933.1 SSCL|APA15378.1

>Orthogroup2714: ANID|CBF77749.1 BCIN|XP\_024550787.1 BGRA|VCU39974.1 CFRU|XP\_031887423.1 CGLO|KAF3809174.1 CHIG|XP\_018155997.1 CVIN|KAF4919835.1 CVYL|A01362 FGRM|XP\_011319100.1 MGRA|XP\_003857185.1 MLAR|XP\_007415771.1 MORY|QBZ57440.1 NCRA|XP\_961173.1 SSCL|APA11869.1

>Orthogroup2715: ANID|CBF77781.1 BCIN|XP\_001549496.2 BGRA|VCU41391.1 BGRA|VDB93423.1 BGRA|VDB93425.1 CFRU|XP\_031879408.1 CHIG|XP\_018154652.1 CVIN|KAF4926480.1 CVYL|A13505 FGRM|XP\_011321238.1 MGRA|XP\_003848095.1 MORY|QBZ61018.1 NCRA|XP\_963320.3 SSCL|APA16213.1

>Orthogroup2716: ANID|CBF77796.1 BCIN|XP\_024552892.1 BGRA|VCU39641.1 CFRU|XP\_031885405.1 CGLO|KAF3799411.1 CHIG|XP\_018152165.1 CVIN|KAF4931815.1 CVYL|A13275 FGRM|XP\_011317351.1 MGRA|XP\_003847972.1 MLAR|XP\_007416407.1 MORY|QBZ53915.1 NCRA|XP\_963521.1 SSCL|APA16078.1

>Orthogroup2717: ANID|CBF77798.1 BCIN|XP\_024552891.1 BGRA|VCU39640.1 CFRU|XP\_031885402.1 CGLO|KAF3799412.1 CHIG|XP\_018152166.1 CVIN|KAF4931742.1 CVYL|A13276 FGRM|XP\_011317352.1 MGRA|XP\_003848138.1 MLAR|XP\_007416869.1 MORY|QBZ53916.1 NCRA|XP\_963520.1 SSCL|APA16079.1

>Orthogroup2718: ANID|CBF77802.1 BCIN|XP\_001545175.1 BGRA|VDB89538.1 CFRU|XP\_031880194.1 CGLO|KAF3809039.1 CHIG|XP\_018155873.1 CVIN|KAF4923774.1 CVYL|A01613 FGRM|XP\_011321017.1 MLAR|XP\_007408703.1 MLAR|XP\_007419673.1 MORY|QBZ59028.1 NCRA|XP\_961228.3 SSCL|APA12412.1

>Orthogroup2719: ANID|CBF77803.1 BCIN|XP\_024548164.1 BGRA|VCU40979.1 CFRU|XP\_031880196.1 CGLO|KAF3809028.1 CHIG|XP\_018155867.1 CVIN|KAF4923771.1 CVYL|A01611 FGRM|XP\_011321018.1 MGRA|XP\_003848041.1 MLAR|XP\_007408411.1 MORY|QBZ59030.1 NCRA|XP\_960860.1 SSCL|APA12413.1

>Orthogroup2720: ANID|CBF77807.1 BCIN|XP\_001550883.2 BGRA|VDB94003.1 CFRU|XP\_031889370.1 CGLO|KAF3803155.1 CHIG|XP\_018155517.1 CVIN|KAF4928288.1 CVYL|A01041 FGRM|XP\_011321007.1 MGRA|XP\_003848070.1 MLAR|XP\_007414320.1 MORY|QBZ62247.1 NCRA|XP\_011394653.1 SSCL|APA12408.1

>Orthogroup2721: ANID|CBF77815.1 BCIN|XP\_024548468.1 BGRA|VDB93144.1 CFRU|XP\_031892381.1 CGLO|KAF3809137.1 CHIG|XP\_018155958.1 CVIN|KAF4922113.1 CVYL|A01321 FGRM|XP\_011319185.1 MGRA|XP\_003848135.1 MLAR|XP\_007408774.1 MORY|QBZ56124.1 NCRA|XP\_011394661.1 SSCL|APA12193.1

>Orthogroup2722: ANID|CBF77821.1 BCIN|XP\_001554449.1 BGRA|VDB93137.1 CFRU|XP\_031887358.1 CGLO|KAF3809308.1 CHIG|XP\_018156144.1 CVIN|KAF4911362.1 CVYL|A01506 FGRM|XP\_011319279.1 MGRA|XP\_003848218.1 MLAR|XP\_007415401.1 MORY|QBZ62223.1 NCRA|XP\_960953.1 SSCL|APA12635.1

>Orthogroup2723: ANID|CBF77829.1 BCIN|XP\_001560925.1 BGRA|VDB91100.1 CFRU|XP\_031879967.1 CGLO|KAF3798965.1 CHIG|XP\_018152848.1 CVIN|KAF4923464.1 CVYL|A07882 FGRM|XP\_011323537.1 MGRA|XP\_003850691.1 MLAR|XP\_007413275.1 MORY|QBZ53346.1 NCRA|XP\_959639.1 SSCL|APA06794.1

>Orthogroup2724: ANID|CBF77836.1 BCIN|XP\_024547828.1 BGRA|VCU38821.1 CFRU|XP\_031886906.1 CGLO|KAF3811464.1 CHIG|XP\_018160710.1 CVIN|KAF4917885.1 CVYL|A04668 FGRM|XP\_011327248.1 MGRA|XP\_003850174.1 MLAR|XP\_007412688.1 MORY|QBZ54248.1 NCRA|XP\_011394533.1 SSCL|APA08138.1

>Orthogroup2725: ANID|CBF77844.1 BCIN|XP\_001555390.1 BGRA|VDB85998.1 CFRU|XP\_031886853.1 CGLO|KAF3811459.1 CHIG|XP\_018160703.1 CVIN|KAF4917869.1 CVYL|A04661 FGRM|XP\_011327241.1 MGRA|XP\_003850220.1 MLAR|XP\_007405848.1 MORY|QBZ54259.1 NCRA|XP\_955999.1 SSCL|APA08134.1

>Orthogroup2726: ANID|CBF77846.1 BCIN|XP\_001555385.1 BGRA|VDB86054.1 CFRU|XP\_031887000.1 CGLO|KAF3811413.1 CHIG|XP\_018160652.1 CVIN|KAF4919714.1 CVYL|A04610 FGRM|XP\_011327178.1 MGRA|XP\_003849930.1 MLAR|XP\_007417480.1 MORY|QBZ54265.1 NCRA|XP\_955995.3 SSCL|APA08129.1

>Orthogroup2727: ANID|CBF77869.1 BCIN|XP\_001549849.1 BGRA|VDB86175.1 CFRU|XP\_031877771.1 CGLO|KAF3810660.1 CHIG|XP\_018162415.1 CVIN|KAF4916934.1 CVYL|A07301 FGRM|XP\_011318424.1 MGRA|XP\_003850458.1 MLAR|XP\_007415385.1 MORY|QBZ55663.1 NCRA|XP\_963077.1 SSCL|APA08257.1

>Orthogroup2728: ANID|CBF77872.1 BCIN|XP\_001549852.1 BGRA|VDB86173.1 CFRU|XP\_031877773.1 CGLO|KAF3810664.1 CHIG|XP\_018162420.1 CVIN|KAF4916955.1 CVYL|A07296 FGRM|XP\_011318430.1 MGRA|XP\_003850054.1 MLAR|XP\_007406659.1 MORY|QBZ55697.1 NCRA|XP\_963082.1 SSCL|APA08259.1

>Orthogroup2729: ANID|CBF77874.1 BCIN|XP\_024547609.1 BGRA|VDB86161.1 CFRU|XP\_031886460.1 CGLO|KAF3806317.1 CHIG|XP\_018162151.1 CVIN|KAF4923974.1 CVYL|A11909 FGRM|XP\_011326595.1 MGRA|XP\_003850359.1 MLAR|XP\_007416309.1 MORY|QBZ61578.1 NCRA|XP\_957296.1 SSCL|APA07796.1

>Orthogroup2730: ANID|CBF77885.1 BCIN|XP\_024551194.1 BGRA|VCU39443.1 CFRU|XP\_031886641.1 CGLO|KAF3801213.1 CHIG|XP\_018162596.1 CVIN|KAF4932113.1 CVYL|A07119 FGRM|XP\_011324117.1 MGRA|XP\_003856464.1 MLAR|XP\_007416893.1 MORY|QBZ56495.1 NCRA|XP\_959028.1 SSCL|APA10147.1

>Orthogroup2731: ANID|CBF77886.1 BCIN|XP\_001555776.1 BGRA|VCU39449.1 CFRU|XP\_031886812.1 CGLO|KAF3801202.1 CHIG|XP\_018162495.1 CVIN|KAF4932043.1 CVYL|A07132 FGRM|XP\_011324109.1 MGRA|XP\_003847938.1 MLAR|XP\_007409371.1 MORY|QBZ56503.1 NCRA|XP\_958006.1 SSCL|APA10133.1

>Orthogroup2732: ANID|CBF77898.1 BCIN|XP\_001549846.1 BGRA|VDB86197.1 CFRU|XP\_031877768.1 CGLO|KAF3810658.1 CHIG|XP\_018162412.1 CVIN|KAF4916937.1 CVYL|A07304 FGRM|XP\_011318427.1 MGRA|XP\_003850055.1 MLAR|XP\_007412648.1 MORY|QBZ55715.1 NCRA|XP\_001728214.1 SSCL|APA08254.1

>Orthogroup2733: ANID|CBF77904.1 BCIN|XP\_001555069.1 BGRA|VDB85911.1 CFRU|XP\_031887075.1 CGLO|KAF3811395.1 CHIG|XP\_018160631.1 CVIN|KAF4919704.1 CVYL|A04588 FGRM|XP\_011327188.1 MGRA|XP\_003855079.1 MLAR|XP\_007413652.1 MORY|QBZ64736.1 NCRA|XP\_961018.3 SSCL|APA07823.1

>Orthogroup2734: ANID|CBF77911.1 BCIN|XP\_024551360.1 BGRA|VCU39947.1 CFRU|XP\_031886426.1 CGLO|KAF3806215.1 CHIG|XP\_018162051.1 CVIN|KAF4931464.1 CVYL|A11804 FGRM|XP\_011326621.1 MGRA|XP\_003849953.1 MLAR|XP\_007410261.1 MORY|QBZ61347.1 NCRA|XP\_957219.1 SSCL|APA10474.1

>Orthogroup2735: ANID|CBF77913.1 BCIN|XP\_001556947.1 BGRA|VDB91337.1 CFRU|XP\_031893436.1 CGLO|KAF3809566.1 CHIG|XP\_018152611.1 CVIN|KAF4912197.1 CVYL|A08460 FGRM|XP\_011317946.1 MGRA|XP\_003850490.1 MLAR|XP\_007407920.1 MORY|QBZ54988.1 NCRA|XP\_958192.1 SSCL|APA10555.1

>Orthogroup2736: ANID|CBF77915.1 BCIN|XP\_024551319.1 BGRA|VDB91335.1 CFRU|XP\_031893563.1 CGLO|KAF3809529.1 CHIG|XP\_018152641.1 CVIN|KAF4918551.1 CVYL|A08492 FGRM|XP\_011317947.1 MGRA|XP\_003849922.1 MLAR|XP\_007415677.1 MORY|QBZ54987.1 NCRA|XP\_958193.1 SSCL|APA10554.1

>Orthogroup2737: ANID|CBF77917.1 BCIN|XP\_024547628.1 BGRA|VCU38832.1 CFRU|XP\_031886356.1 CGLO|KAF3806254.1 CHIG|XP\_018162086.1 CVIN|KAF4931454.1 CVYL|A11843 FGRM|XP\_011326634.1 MGRA|XP\_003850119.1 MLAR|XP\_007415032.1 MORY|QBZ61515.1 NCRA|XP\_957292.1 SSCL|APA07775.1

>Orthogroup2738: ANID|CBF77945.1 BCIN|XP\_001555826.2 BGRA|VCU40661.1 CFRU|XP\_031891460.1 CGLO|KAF3804514.1 CHIG|XP\_018159474.1 CVIN|KAF4924515.1 CVYL|A04229 FGRM|XP\_011327135.1 MGRA|XP\_003850044.1 MLAR|XP\_007405416.1 MORY|QBZ64740.1 NCRA|XP\_959198.1 SSCL|APA06099.1

>Orthogroup2739: ANID|CBF77949.1 BCIN|XP\_024546908.1 BGRA|VCU40665.1 CFRU|XP\_031880723.1 CGLO|KAF3811159.1 CHIG|XP\_018160348.1 CVIN|KAF4931270.1 CVYL|A04318 FGRM|XP\_011324727.1 MGRA|XP\_003850393.1 MLAR|XP\_007405845.1 MORY|QBZ58017.1 NCRA|XP\_011394597.1 SSCL|APA05833.1

>Orthogroup2740: ANID|CBF77953.1 BCIN|XP\_001558968.1 BGRA|VCU40668.1 CFRU|XP\_031889062.1 CGLO|KAF3804234.1 CHIG|XP\_018160066.1 CVIN|KAF4930128.1 CVYL|A03910 FGRM|XP\_011324596.1 MGRA|XP\_003849977.1 MLAR|XP\_007415579.1 MORY|QBZ57465.1 NCRA|XP\_960632.1 SSCL|APA05831.1

>Orthogroup2741: ANID|CBF77960.1 BCIN|XP\_024548331.1 BGRA|VCU40538.1 CFRU|XP\_031888761.1 CGLO|KAF3799235.1 CHIG|XP\_018159840.1 CVIN|KAF4893592.1 CVYL|A10127 FGRM|XP\_011328829.1 MGRA|XP\_003850307.1 MLAR|XP\_007417938.1 MORY|QBZ63740.1 NCRA|XP\_960618.2 SSCL|APA12579.1

>Orthogroup2742: ANID|CBF77971.1 BCIN|XP\_024553331.1 BGRA|VCU40501.1 CFRU|XP\_031886532.1 CGLO|KAF3800266.1 CHIG|XP\_018162752.1 CVIN|KAF4927561.1 CVYL|A06971 FGRM|XP\_011327027.1 MGRA|XP\_003850420.1 MLAR|XP\_007412545.1 MORY|QBZ61339.1 NCRA|XP\_957341.1 SSCL|APA13646.1

>Orthogroup2743: ANID|CBF77979.1 BCIN|XP\_024553359.1 BGRA|VCU40511.1 CFRU|XP\_031886895.1 CHIG|XP\_018160519.1 CVIN|KAF4931181.1 CVYL|A04437 FGRM|XP\_011326684.1 FGRM|XP\_011326685.1 MGRA|XP\_003850305.1 MLAR|XP\_007413220.1 MORY|QBZ57483.1 NCRA|XP\_011394690.1 SSCL|APA13678.1

>Orthogroup2744: ANID|CBF77985.1 BCIN|XP\_001555894.1 BGRA|VCU40590.1 CFRU|XP\_031882257.1 CGLO|KAF3804313.1 CHIG|XP\_018160106.1 CVIN|KAF4920099.1 CVYL|A04000 FGRM|XP\_011324566.1 MGRA|XP\_003850126.1 MLAR|XP\_007407025.1 MORY|QBZ54772.1 NCRA|XP\_961023.1 SSCL|APA06049.1

>Orthogroup2745: ANID|CBF77987.1 BCIN|XP\_001555953.2 BGRA|VCU40079.1 CFRU|XP\_031882129.1 CGLO|KAF3804321.1 CHIG|XP\_018160113.1 CVIN|KAF4920124.1 CVYL|A04013 FGRM|XP\_011324559.1 MGRA|XP\_003850214.1 MORY|QBZ54766.1 NCRA|XP\_011393398.1 NCRA|XP\_961028.2 SSCL|APA05925.1

>Orthogroup2746: ANID|CBF77996.1 BCIN|XP\_001555821.2 BGRA|VCU40645.1 CFRU|XP\_031882133.1 CGLO|KAF3804341.1 CHIG|XP\_018160130.1 CVIN|KAF4918337.1 CVYL|A04029 FGRM|XP\_011324575.1 MGRA|XP\_003850494.1 MLAR|XP\_007418212.1 MORY|QBZ59168.1 NCRA|XP\_960203.3 SSCL|APA05920.1

>Orthogroup2747: ANID|CBF77999.1 BCIN|XP\_001555946.1 BGRA|VCU40646.1 CFRU|XP\_031889057.1 CGLO|KAF3804230.1 CHIG|XP\_018160070.1 CVIN|KAF4930138.1 CVYL|A03914 FGRM|XP\_011324593.1 MGRA|XP\_003849867.1 MLAR|XP\_007410380.1 MORY|QBZ64649.1 NCRA|XP\_961349.1 SSCL|APA14518.1

>Orthogroup2748: ANID|CBF78005.1 BCIN|XP\_024548329.1 BGRA|VCU40537.1 CFRU|XP\_031888825.1 CGLO|KAF3799234.1 CHIG|XP\_018159841.1 CVIN|KAF4893587.1 CVYL|A10126 FGRM|XP\_011328827.1 MGRA|XP\_003850253.1 MLAR|XP\_007410099.1 MORY|QBZ63739.1 NCRA|XP\_960620.2 SSCL|APA12580.1

>Orthogroup2749: ANID|CBF78014.1 BCIN|XP\_001557004.1 BGRA|VCU41100.1 CFRU|XP\_031886358.1 CGLO|KAF3806351.1 CHIG|XP\_018162243.1 CVIN|KAF4899311.1 CVYL|A11938 FGRM|XP\_011324054.1 MGRA|XP\_003856292.1 MLAR|XP\_007408223.1 MORY|QBZ61533.1 NCRA|XP\_001728137.2 SSCL|APA10226.1

>Orthogroup2750: ANID|CBF78020.1 BCIN|XP\_024551298.1 BGRA|VCU41065.1 CFRU|XP\_031885158.1 CGLO|KAF3807679.1 CHIG|XP\_018162901.1 CVIN|KAF4927775.1 CVYL|A06872 FGRM|XP\_011326287.1 MGRA|XP\_003857293.1 MLAR|XP\_007416276.1 MORY|QBZ55624.1 NCRA|XP\_011393760.1 SSCL|APA10228.1

>Orthogroup2751: ANID|CBF78029.1 BCIN|XP\_024551292.1 BGRA|VCU39509.1 CFRU|XP\_031878417.1 CGLO|KAF3810762.1 CHIG|XP\_018162559.1 CVIN|KAF4932082.1 CVYL|A07192 FGRM|XP\_011326313.1 MGRA|XP\_003857382.1 MLAR|XP\_007410608.1 MORY|QBZ59703.1 NCRA|XP\_956396.2 SSCL|APA10251.1

>Orthogroup2752: ANID|CBF78033.1 BCIN|XP\_024548010.1 BGRA|VDB90912.1 CFRU|XP\_031888356.1 CGLO|KAF3803620.1 CHIG|XP\_018163847.1 CVIN|KAF4920360.1 CVYL|A14552 FGRM|XP\_011326549.1 MGRA|XP\_003856381.1 MLAR|XP\_007417610.1 MORY|QBZ63195.1 NCRA|XP\_963950.2 SSCL|APA08321.1

>Orthogroup2753: ANID|CBF78076.1 BCIN|XP\_024550888.1 CFRU|XP\_031888138.1 CGLO|KAF3802127.1 CHIG|XP\_018154274.1 CVIN|KAF4912415.1 CVYL|A03266 FGRM|XP\_011320183.1 MGRA|XP\_003857471.1 MLAR|XP\_007409648.1 MLAR|XP\_007412084.1 MORY|QBZ66111.1 NCRA|XP\_964561.1 SSCL|APA11889.1

>Orthogroup2754: ANID|CBF78100.1 BCIN|XP\_001550468.1 BGRA|VDB88151.1 CFRU|XP\_031892539.1 CGLO|KAF3797227.1 CHIG|XP\_018157267.1 CVIN|KAF4917702.1 CVYL|A10470 FGRM|XP\_011320108.1 MGRA|XP\_003852721.1 MLAR|XP\_007415307.1 MORY|QBZ66000.1 NCRA|XP\_964888.1 SSCL|APA11658.1

>Orthogroup2755: ANID|CBF78116.1 ANID|CBF78386.1 BCIN|XP\_001549948.1 CFRU|XP\_031888309.1 CGLO|KAF3803547.1 CHIG|XP\_018164143.1 CVIN|KAF4922279.1 CVYL|A14480 FGRM|XP\_011321675.1 FGRM|XP\_011322280.1 MGRA|XP\_003849699.1 MGRA|XP\_003852598.1 MORY|QBZ63820.1 SSCL|APA06633.1

>Orthogroup2756: ANID|CBF78163.1 BCIN|XP\_024550849.1 BGRA|VDB88143.1 CFRU|XP\_031891304.1 CGLO|KAF3797381.1 CHIG|XP\_018157129.1 CVIN|KAF4929382.1 CVYL|A10303 FGRM|XP\_011320077.1 MGRA|XP\_003852069.1 MLAR|XP\_007410654.1 MORY|QBZ65939.1 NCRA|XP\_964893.2 SSCL|APA11774.1

>Orthogroup2757: ANID|CBF78178.1 BCIN|XP\_001546376.1 CFRU|XP\_031877693.1 CGLO|KAF3797357.1 CHIG|XP\_018157153.1 CHIG|XP\_018157154.1 CVIN|KAF4929379.1 CVYL|A10333 FGRM|XP\_011320086.1 MGRA|XP\_003852013.1 MLAR|XP\_007411747.1 MORY|QBZ65943.1 NCRA|XP\_964625.1 SSCL|APA12024.1

>Orthogroup2758: ANID|CBF78212.1 BCIN|XP\_001547811.2 CFRU|XP\_031887870.1 CGLO|KAF3802290.1 CHIG|XP\_018154390.1 CVIN|KAF4924385.1 CVYL|A10551 FGRM|XP\_011319780.1 MGRA|XP\_003856199.1 MLAR|XP\_007411944.1 MLAR|XP\_007415067.1 MORY|QBZ65732.1 NCRA|XP\_965550.1 SSCL|APA11703.1

>Orthogroup2759: ANID|CBF78309.1 ANID|CBF86527.1 BCIN|XP\_001556070.1 BGRA|VCU40043.1 CFRU|XP\_031878459.1 CGLO|KAF3798592.1 CHIG|XP\_018153953.1 CVIN|KAF4930082.1 CVYL|A04853 FGRM|XP\_011321408.1 MGRA|XP\_003848114.1 MORY|QBZ59233.1 NCRA|XP\_956418.3 SSCL|APA13973.1

>Orthogroup2760: ANID|CBF78343.1 ANID|CBF85499.1 BCIN|XP\_024552607.1 BGRA|VDB87860.1 CFRU|XP\_031885754.1 CGLO|KAF3810182.1 CHIG|XP\_018157801.1 CVIN|KAF4929173.1 CVYL|A02774 FGRM|XP\_011320114.1 MGRA|XP\_003856361.1 MORY|QBZ61282.1 NCRA|XP\_960150.2 SSCL|APA15695.1

>Orthogroup2761: ANID|CBF78476.1 BCIN|XP\_024547076.1 CFRU|XP\_031875830.1 CFRU|XP\_031888793.1 CGLO|KAF3799376.1 CHIG|XP\_018159961.1 CVIN|KAF4893020.1 CVIN|KAF4906796.1 CVYL|A04752 CVYL|A05679 FGRM|XP\_011319664.1 FGRM|XP\_011322163.1 MORY|QBZ59141.1 SSCL|APA06154.1

>Orthogroup2762: ANID|CBF78544.1 BCIN|XP\_001551964.1 BGRA|VDB94737.1 CFRU|XP\_031891536.1 CGLO|KAF3804705.1 CHIG|XP\_018161776.1 CVIN|KAF4923388.1 CVYL|A05418 FGRM|XP\_011321514.1 MGRA|XP\_003854886.1 MLAR|XP\_007407791.1 MORY|QBZ59656.1 NCRA|XP\_956785.3 SSCL|APA10956.1

>Orthogroup2763: ANID|CBF78558.1 BCIN|XP\_001551718.2 BGRA|VDB86335.1 CFRU|XP\_031882439.1 CGLO|KAF3807539.1 CHIG|XP\_018156397.1 CVIN|KAF4928923.1 CVYL|A02944 FGRM|XP\_011318576.1 MGRA|XP\_003854877.1 MLAR|XP\_007410000.1 MORY|QBZ56946.1 NCRA|XP\_011394865.1 SSCL|APA11633.1

>Orthogroup2764: ANID|CBF78566.1 BCIN|XP\_024550425.1 BGRA|VDB87961.1 CFRU|XP\_031878253.1 CGLO|KAF3808541.1 CHIG|XP\_018161933.1 CVIN|KAF4917637.1 CVYL|A11602 FGRM|XP\_011318513.1 MGRA|XP\_003847092.1 MGRA|XP\_003855053.1 MLAR|XP\_007412022.1 NCRA|XP\_956776.1 SSCL|APA11122.1

>Orthogroup2765: ANID|CBF78570.1 BCIN|XP\_024550260.1 BGRA|VDB94542.1 CFRU|XP\_031878195.1 CGLO|KAF3808539.1 CHIG|XP\_018161935.1 CVIN|KAF4917622.1 CVYL|A11605 FGRM|XP\_011318515.1 MGRA|XP\_003854885.1 MLAR|XP\_007412145.1 MORY|QBZ59645.1 NCRA|XP\_011393851.1 SSCL|APA10935.1

>Orthogroup2766: ANID|CBF78583.1 BCIN|XP\_024548461.1 CFRU|XP\_031879886.1 CFRU|XP\_031879913.1 CGLO|KAF3799002.1 CHIG|XP\_018152908.1 CVIN|KAF4923442.1 CVYL|A07921 FGRM|XP\_011327410.1 FGRM|XP\_011328552.1 MGRA|XP\_003850636.1 MORY|QBZ54924.1 NCRA|XP\_960269.2 SSCL|APA12208.1

>Orthogroup2767: ANID|CBF78591.1 BCIN|XP\_001553034.2 BGRA|VDB94810.1 CFRU|XP\_031887024.1 CGLO|KAF3811417.1 CHIG|XP\_018160656.1 CVIN|KAF4919691.1 CVYL|A04614 FGRM|XP\_011326897.1 MGRA|XP\_003855637.1 MLAR|XP\_007410169.1 MORY|QBZ58110.1 NCRA|XP\_961391.2 SSCL|APA11272.1

>Orthogroup2768: ANID|CBF78597.1 ANID|CBF87151.1 BCIN|XP\_001558947.1 BGRA|VCU40669.1 CFRU|XP\_031885519.1 CGLO|KAF3806522.1 CHIG|XP\_018157559.1 CVIN|KAF4921361.1 CVYL|A09348 FGRM|XP\_011324813.1 MGRA|XP\_003855368.1 MORY|QBZ58922.1 NCRA|XP\_962376.3 SSCL|APA05819.1

>Orthogroup2769: ANID|CBF78614.1 BCIN|XP\_024550510.1 BGRA|VDB94855.1 CFRU|XP\_031887119.1 CGLO|KAF3811418.1 CHIG|XP\_018160657.1 CVIN|KAF4919690.1 CVYL|A04615 FGRM|XP\_011326895.1 MGRA|XP\_003855627.1 MLAR|XP\_007412471.1 MORY|QBZ56894.1 NCRA|XP\_961558.1 SSCL|APA11273.1

>Orthogroup2770: ANID|CBF78644.1 BCIN|XP\_001550290.1 BGRA|VCU39187.1 CFRU|XP\_031887469.1 CGLO|KAF3803318.1 CHIG|XP\_018161170.1 CVIN|KAF4898744.1 CVYL|A03755 FGRM|XP\_011321361.1 MGRA|XP\_003849674.1 MLAR|XP\_007414016.1 MORY|QBZ64535.1 NCRA|XP\_011394133.1 SSCL|APA12843.1

>Orthogroup2771: ANID|CBF78675.1 BCIN|XP\_024552428.1 BGRA|VDB93550.1 CFRU|XP\_031886435.1 CGLO|KAF3806349.1 CHIG|XP\_018162245.1 CVIN|KAF4899319.1 CVYL|A11936 FGRM|XP\_011326627.1 MGRA|XP\_003847258.1 MLAR|XP\_007418278.1 MORY|QBZ61342.1 NCRA|XP\_956688.3 SSCL|APA14981.1

>Orthogroup2772: ANID|CBF78686.1 BCIN|XP\_024552442.1 BGRA|VDB93478.1 CFRU|XP\_031885033.1 CGLO|KAF3800356.1 CHIG|XP\_018162845.1 CVIN|KAF4914542.1 CVYL|A07586 FGRM|XP\_011326391.1 MGRA|XP\_003854561.1 MLAR|XP\_007408342.1 MORY|QBZ59531.1 NCRA|XP\_957819.2 SSCL|APA15007.1

>Orthogroup2773: ANID|CBF78691.1 BCIN|XP\_024553907.1 BGRA|VDB96362.1 CFRU|XP\_031883010.1 CGLO|KAF3800745.1 CHIG|XP\_018163294.1 CVIN|KAF4919650.1 CVYL|A00459 FGRM|XP\_011326178.1 MGRA|XP\_003853805.1 MLAR|XP\_007413788.1 MORY|QBZ58245.1 NCRA|XP\_962756.2 SSCL|APA15186.1

>Orthogroup2774: ANID|CBF78712.1 ANID|CBF81894.1 BCIN|XP\_024547488.1 BGRA|VDB90423.1 CFRU|XP\_031883682.1 CGLO|KAF3811900.1 CHIG|XP\_018155155.1 CVIN|KAF4911831.1 CVYL|A06157 FGRM|XP\_011317385.1 MGRA|XP\_003855604.1 MORY|QBZ53749.1 NCRA|XP\_963644.2 SSCL|APA07666.1

>Orthogroup2775: ANID|CBF78725.1 ANID|CBF79470.1 BCIN|XP\_024547091.1 CFRU|XP\_031883843.1 CGLO|KAF3805159.1 CHIG|XP\_018163353.1 CVIN|KAF4927492.1 CVYL|A06591 FGRM|XP\_011321653.1 FGRM|XP\_011327585.1 MGRA|XP\_003854597.1 MORY|QBZ63265.1 NCRA|XP\_956933.1 SSCL|APA05423.1

>Orthogroup2776: ANID|CBF78749.1 BCIN|XP\_001552103.1 BGRA|VDB96312.1 CFRU|XP\_031886618.1 CGLO|KAF3801228.1 CHIG|XP\_018162610.1 CVIN|KAF4932046.1 CVYL|A07102 FGRM|XP\_011324004.1 MGRA|XP\_003853877.1 MLAR|XP\_007408472.1 MORY|QBZ59313.1 NCRA|XP\_957808.1 SSCL|APA05287.1

>Orthogroup2777: ANID|CBF78750.1 BCIN|XP\_001552544.1 BGRA|VDB94941.1 CFRU|XP\_031891443.1 CGLO|KAF3804576.1 CHIG|XP\_018161657.1 CVIN|KAF4923070.1 CVYL|A05301 FGRM|XP\_011318685.1 MGRA|XP\_003855044.1 MLAR|XP\_007413608.1 MORY|QBZ61141.1 NCRA|XP\_962902.3 SSCL|APA10804.1

>Orthogroup2778: ANID|CBF78760.1 BCIN|XP\_001553950.1 BGRA|VDB94852.1 CFRU|XP\_031886468.1 CGLO|KAF3806189.1 CHIG|XP\_018162174.1 CVIN|KAF4931488.1 CVYL|A11776 FGRM|XP\_011324078.1 MGRA|XP\_003854896.1 MLAR|XP\_007404109.1 MORY|QBZ59558.1 NCRA|XP\_011393721.1 SSCL|APA11079.1

>Orthogroup2779: ANID|CBF78768.1 BCIN|XP\_024550125.1 BGRA|VDB94909.1 CFRU|XP\_031891481.1 CGLO|KAF3797891.1 CHIG|XP\_018161631.1 CVIN|KAF4923091.1 CVYL|A05328 FGRM|XP\_011318672.1 MGRA|XP\_003855043.1 MLAR|XP\_007409964.1 MORY|QBZ61140.1 NCRA|XP\_011393870.1 SSCL|APA10805.1

>Orthogroup2780: ANID|CBF78870.1 BCIN|XP\_001552542.2 BGRA|VDB94945.1 CFRU|XP\_031891638.1 CGLO|KAF3797911.1 CHIG|XP\_018161609.1 CVIN|KAF4905692.1 CVYL|A05347 FGRM|XP\_011318653.1 MGRA|XP\_003855120.1 MLAR|XP\_007410106.1 MORY|QBZ61996.1 NCRA|XP\_958516.1 SSCL|APA10802.1

>Orthogroup2781: ANID|CBF78932.1 ANID|CBF86617.1 BCIN|XP\_001557902.2 BCIN|XP\_024550419.1 BCIN|XP\_024552012.1 CFRU|XP\_031876485.1 CGLO|KAF3798005.1 CHIG|XP\_018158053.1 CVIN|KAF4905641.1 CVYL|A08350 MGRA|XP\_003853369.1 MORY|QBZ64174.1 NCRA|XP\_959067.3 SSCL|APA11114.1

>Orthogroup2782: ANID|CBF78985.1 BCIN|XP\_001553497.1 BGRA|VDB84255.1 CFRU|XP\_031891579.1 CGLO|KAF3797635.1 CHIG|XP\_018157427.1 CVIN|KAF4890325.1 CVYL|A11062 FGRM|XP\_011323030.1 MGRA|XP\_003854328.1 MLAR|XP\_007407036.1 MORY|QBZ66428.1 NCRA|XP\_965393.2 SSCL|APA10869.1

>Orthogroup2783: ANID|CBF78986.1 BCIN|XP\_024550188.1 BGRA|VDB84253.1 CFRU|XP\_031891578.1 CGLO|KAF3797634.1 CHIG|XP\_018157426.1 CVIN|KAF4890322.1 CVYL|A11066 FGRM|XP\_011323029.1 MGRA|XP\_003854327.1 MLAR|XP\_007412444.1 MORY|QBZ66429.1 NCRA|XP\_965394.1 SSCL|APA10868.1

>Orthogroup2784: ANID|CBF79000.1 BCIN|XP\_001553507.2 BGRA|VDB84239.1 CFRU|XP\_031881702.1 CGLO|KAF3807407.1 CHIG|XP\_018156819.1 CVIN|KAF4929597.1 CVYL|A10904 FGRM|XP\_011320431.1 MGRA|XP\_003854602.1 MLAR|XP\_007415996.1 MORY|QBZ65578.1 NCRA|XP\_965069.3 SSCL|APA10861.1

>Orthogroup2785: ANID|CBF79048.1 BCIN|XP\_001551659.2 CFRU|XP\_031877159.1 CFRU|XP\_031884590.1 CFRU|XP\_031889227.1 CGLO|KAF3799729.1 CGLO|KAF3804013.1 CGLO|KAF3808919.1 CVIN|KAF4920747.1 CVYL|A01166 CVYL|A11362 FGRM|XP\_011317583.1 FGRM|XP\_011322974.1 MORY|QBZ66531.1

>Orthogroup2786: ANID|CBF79067.1 BCIN|XP\_001545849.1 BCIN|XP\_001551821.2 BGRA|VCU40677.1 CFRU|XP\_031892098.1 CGLO|KAF3809737.1 CHIG|XP\_018157465.1 CHIG|XP\_018164925.1 CVIN|KAF4903851.1 CVYL|A06661 FGRM|XP\_011328063.1 MORY|QBZ58894.1 NCRA|XP\_011394318.1 SSCL|APA05505.1

>Orthogroup2787: ANID|CBF79070.1 BCIN|XP\_024547889.1 BGRA|VDB84455.1 CFRU|XP\_031891385.1 CGLO|KAF3804715.1 CHIG|XP\_018161800.1 CVIN|KAF4923378.1 CVYL|A05407 FGRM|XP\_011321516.1 MGRA|XP\_003853956.1 MLAR|XP\_007407846.1 MORY|QBZ59674.1 NCRA|XP\_963104.1 SSCL|APA08211.1

>Orthogroup2788: ANID|CBF79080.1 BCIN|XP\_001555085.1 BGRA|VDB86151.1 CFRU|XP\_031877223.1 CGLO|KAF3806455.1 CHIG|XP\_018162343.1 CVIN|KAF4897894.1 CVYL|A12053 FGRM|XP\_011323938.1 MGRA|XP\_003855793.1 MLAR|XP\_007405703.1 MORY|QBZ61400.1 NCRA|XP\_962814.1 SSCL|APA07837.1

>Orthogroup2789: ANID|CBF79182.1 BCIN|XP\_001553904.2 BGRA|VDB92716.1 CFRU|XP\_031893302.1 CGLO|KAF3800789.1 CHIG|XP\_018150895.1 CVIN|KAF4922510.1 CVYL|A08762 FGRM|XP\_011322382.1 FGRM|XP\_011323771.1 MGRA|XP\_003852523.1 MORY|QBZ56544.1 NCRA|XP\_962338.1 SSCL|APA12988.1

>Orthogroup2790: ANID|CBF79184.1 BCIN|XP\_001558791.1 BGRA|VDB88254.1 CFRU|XP\_031876559.1 CGLO|KAF3811488.1 CHIG|XP\_018160741.1 CVIN|KAF4926792.1 CVYL|A04693 FGRM|XP\_011317784.1 MGRA|XP\_003852314.1 MLAR|XP\_007412437.1 MORY|QBZ57152.1 NCRA|XP\_962657.1 SSCL|APA05493.1

>Orthogroup2791: ANID|CBF79187.1 BCIN|XP\_001558350.2 BGRA|VCU40151.1 CFRU|XP\_031876536.1 CGLO|KAF3811491.1 CHIG|XP\_018160744.1 CVIN|KAF4926757.1 CVYL|A04695 FGRM|XP\_011317787.1 MGRA|XP\_003852356.1 MLAR|XP\_007405361.1 MORY|QBZ56695.1 NCRA|XP\_962669.1 SSCL|APA13727.1

>Orthogroup2792: ANID|CBF79189.1 BCIN|XP\_001558793.2 BGRA|VCU40152.1 CFRU|XP\_031876537.1 CGLO|KAF3811490.1 CHIG|XP\_018160743.1 CVIN|KAF4926755.1 CVYL|A04694 FGRM|XP\_011317786.1 MGRA|XP\_003852259.1 MLAR|XP\_007416033.1 MORY|QBZ56696.1 NCRA|XP\_962654.2 SSCL|APA05491.1

>Orthogroup2793: ANID|CBF79193.1 BCIN|XP\_001558352.1 BGRA|VCU40147.1 CFRU|XP\_031876551.1 CGLO|KAF3811493.1 CHIG|XP\_018160746.1 CVIN|KAF4926751.1 CVYL|A04698 FGRM|XP\_011317789.1 MGRA|XP\_003853275.1 MLAR|XP\_007409207.1 MORY|QBZ56316.1 NCRA|XP\_011394389.1 SSCL|APA13729.1

>Orthogroup2794: ANID|CBF79199.1 BCIN|XP\_001558120.1 BGRA|VDB92700.1 CFRU|XP\_031893585.1 CGLO|KAF3800798.1 CHIG|XP\_018150904.1 CVIN|KAF4922480.1 CVYL|A08753 FGRM|XP\_011323777.1 MGRA|XP\_003852482.1 MLAR|XP\_007414190.1 MORY|QBZ56545.1 NCRA|XP\_961948.2 SSCL|APA12968.1

>Orthogroup2795: ANID|CBF79209.1 BCIN|XP\_001558109.1 BGRA|VDB92704.1 CFRU|XP\_031893305.1 CGLO|KAF3800790.1 CHIG|XP\_018150896.1 CVIN|KAF4922511.1 CVYL|A08761 FGRM|XP\_011323774.1 MGRA|XP\_003853286.1 MLAR|XP\_007417543.1 MORY|QBZ56543.1 NCRA|XP\_962337.3 SSCL|APA12960.1

>Orthogroup2796: ANID|CBF79213.1 BCIN|XP\_024552189.1 BGRA|VDB92707.1 CFRU|XP\_031893587.1 CGLO|KAF3800800.1 CHIG|XP\_018150906.1 CVIN|KAF4922506.1 CVYL|A08751 FGRM|XP\_011323779.1 MGRA|XP\_003852334.1 MLAR|XP\_007411098.1 MORY|QBZ56547.1 NCRA|XP\_961946.2 SSCL|APA13280.1

>Orthogroup2797: ANID|CBF79220.1 BCIN|XP\_024552049.1 BGRA|VDB92809.1 CFRU|XP\_031887748.1 CGLO|KAF3803296.1 CHIG|XP\_018161146.1 CVIN|KAF4928632.1 CVYL|A03732 FGRM|XP\_011318411.1 MGRA|XP\_003852547.1 MLAR|XP\_007406692.1 MORY|QBZ64571.1 NCRA|XP\_962003.3 SSCL|APA12817.1

>Orthogroup2798: ANID|CBF79224.1 BCIN|XP\_024552132.1 CFRU|XP\_031893307.1 CGLO|KAF3800792.1 CHIG|XP\_018150899.1 CVIN|KAF4922463.1 CVYL|A08759 FGRM|XP\_011323772.1 MGRA|XP\_003853106.1 MLAR|XP\_007411672.1 MLAR|XP\_007416547.1 MORY|QBZ56540.1 NCRA|XP\_962335.2 SSCL|APA12962.1

>Orthogroup2799: ANID|CBF79227.1 BCIN|XP\_001558115.1 BGRA|VDB86326.1 CFRU|XP\_031893309.1 CGLO|KAF3800794.1 CHIG|XP\_018150901.1 CVIN|KAF4922451.1 CVYL|A08757 FGRM|XP\_011316820.1 MGRA|XP\_003852420.1 MLAR|XP\_007405338.1 MORY|QBZ55388.1 NCRA|XP\_957941.1 SSCL|APA12964.1

>Orthogroup2800: ANID|CBF79229.1 BCIN|XP\_024550563.1 CFRU|XP\_031884549.1 CGLO|KAF3799314.1 CGLO|KAF3810363.1 CHIG|XP\_018158362.1 CVIN|KAF4909099.1 CVYL|A05749 FGRM|XP\_011316498.1 FGRM|XP\_011322141.1 MGRA|XP\_003848671.1 MORY|QBZ53599.1 NCRA|XP\_958974.2 SSCL|APA11359.1

>Orthogroup2801: ANID|CBF79250.1 BCIN|XP\_001557854.1 BGRA|VDB92714.1 CFRU|XP\_031887524.1 CGLO|KAF3803211.1 CHIG|XP\_018161058.1 CVIN|KAF4928657.1 CVYL|A03639 FGRM|XP\_011324200.1 MGRA|XP\_003852175.1 MLAR|XP\_007417966.1 MORY|QBZ58758.1 NCRA|XP\_961839.3 SSCL|APA12826.1

>Orthogroup2802: ANID|CBF79253.1 BCIN|XP\_001560727.1 BGRA|VCU39383.1 CFRU|XP\_031881292.1 CGLO|KAF3802473.1 CHIG|XP\_018154763.1 CVIN|KAF4916888.1 CVYL|A02054 FGRM|XP\_011316540.1 MGRA|XP\_003853672.1 MLAR|XP\_007408957.1 MORY|QBZ59087.1 NCRA|XP\_956018.1 SSCL|APA07993.1

>Orthogroup2803: ANID|CBF79255.1 BCIN|XP\_024548754.1 BGRA|VDB89383.1 CFRU|XP\_031881315.1 CGLO|KAF3802457.1 CHIG|XP\_018154757.1 CVIN|KAF4916883.1 CVYL|A02048 FGRM|XP\_011316539.1 MGRA|XP\_003853633.1 MLAR|XP\_007408827.1 MORY|QBZ59086.1 NCRA|XP\_956726.1 SSCL|APA09737.1

>Orthogroup2804: ANID|CBF79257.1 BCIN|XP\_024546564.1 BGRA|VDB95140.1 CFRU|XP\_031877249.1 CGLO|KAF3806830.1 CHIG|XP\_018159525.1 CVIN|KAF4909282.1 CVYL|A02477 FGRM|XP\_011320494.1 MGRA|XP\_003854611.1 MLAR|XP\_007403887.1 MORY|QBZ62924.1 NCRA|XP\_960485.3 SSCL|APA06786.1

>Orthogroup2805: ANID|CBF79260.1 BCIN|XP\_001554960.1 BGRA|VDB86230.1 CFRU|XP\_031877177.1 CGLO|KAF3806442.1 CHIG|XP\_018162330.1 CVIN|KAF4918061.1 CVYL|A12039 FGRM|XP\_011323960.1 MGRA|XP\_003854347.1 MLAR|XP\_007416605.1 MORY|QBZ61419.1 NCRA|XP\_963126.1 SSCL|APA07753.1

>Orthogroup2806: ANID|CBF79265.1 BCIN|XP\_024547104.1 CFRU|XP\_031888151.1 CGLO|KAF3797599.1 CHIG|XP\_018151872.1 CHIG|XP\_018151873.1 CVIN|KAF4899218.1 CVYL|A03392 FGRM|XP\_011319631.1 FGRM|XP\_011320292.1 FGRM|XP\_011325762.1 MGRA|XP\_003851476.1 NCRA|XP\_001728132.1 SSCL|APA14004.1

>Orthogroup2807: ANID|CBF79269.1 BCIN|XP\_024547645.1 BGRA|VDB86224.1 CFRU|XP\_031886888.1 CGLO|KAF3811299.1 CHIG|XP\_018160522.1 CVIN|KAF4927232.1 CVYL|A04478 FGRM|XP\_011326467.1 MGRA|XP\_003854696.1 MLAR|XP\_007412815.1 MORY|QBZ57986.1 NCRA|XP\_958772.1 SSCL|APA07750.1

>Orthogroup2808: ANID|CBF79275.1 BCIN|XP\_001561085.1 BGRA|VDB95164.1 CFRU|XP\_031880909.1 CGLO|KAF3806969.1 CHIG|XP\_018159620.1 CVIN|KAF4918776.1 CVYL|A06261 FGRM|XP\_011320509.1 MGRA|XP\_003854959.1 MLAR|XP\_007419529.1 MORY|QBZ62927.1 NCRA|XP\_960507.2 SSCL|APA06671.1

>Orthogroup2809: ANID|CBF79279.1 BCIN|XP\_001556190.1 BGRA|VDB95152.1 CFRU|XP\_031880843.1 CGLO|KAF3806888.1 CHIG|XP\_018159570.1 CVIN|KAF4894666.1 CVYL|A02531 FGRM|XP\_011320454.1 MGRA|XP\_003853939.1 MLAR|XP\_007417220.1 MORY|QBZ61865.1 NCRA|XP\_960516.1 SSCL|APA09024.1

>Orthogroup2810: ANID|CBF79283.1 BCIN|XP\_001561083.1 BGRA|VDB95148.1 CFRU|XP\_031880935.1 CFRU|XP\_031880936.1 CGLO|KAF3806907.1 CHIG|XP\_018159591.1 CVIN|KAF4904510.1 CVYL|A02550 FGRM|XP\_011320524.1 MLAR|XP\_007414236.1 MORY|QBZ61733.1 NCRA|XP\_960503.1 SSCL|APA06673.1

>Orthogroup2811: ANID|CBF79288.1 BCIN|XP\_024546985.1 BGRA|VDB93884.1 CFRU|XP\_031885346.1 CGLO|KAF3799456.1 CHIG|XP\_018154444.1 CVIN|KAF4931798.1 CVYL|A13317 FGRM|XP\_011325521.1 MGRA|XP\_003853903.1 MLAR|XP\_007415397.1 MORY|QBZ54373.1 NCRA|XP\_963149.3 SSCL|APA05949.1

>Orthogroup2812: ANID|CBF79292.1 BCIN|XP\_024546124.1 BGRA|VDB89451.1 CFRU|XP\_031876411.1 CGLO|KAF3801969.1 CHIG|XP\_018159414.1 CVIN|KAF4919799.1 CVYL|A02404 FGRM|XP\_011320392.1 MGRA|XP\_003854972.1 MLAR|XP\_007413232.1 MORY|QBZ63980.1 NCRA|XP\_960562.3 SSCL|APA06649.1

>Orthogroup2813: ANID|CBF79306.1 BCIN|XP\_001548376.1 BGRA|VDB95217.1 CFRU|XP\_031879164.1 CGLO|KAF3807043.1 CHIG|XP\_018159704.1 CVIN|KAF4920258.1 CVYL|A06336 FGRM|XP\_011320477.1 MGRA|XP\_003854980.1 MLAR|XP\_007417673.1 MORY|QBZ61820.1 NCRA|XP\_960554.3 SSCL|APA06960.1

>Orthogroup2814: ANID|CBF79308.1 BCIN|XP\_024546263.1 BGRA|VDB95219.1 CFRU|XP\_031879151.1 CGLO|KAF3807044.1 CHIG|XP\_018159703.1 CVIN|KAF4920259.1 CVYL|A06338 FGRM|XP\_011320478.1 MGRA|XP\_003854710.1 MLAR|XP\_007415908.1 MORY|QBZ61819.1 NCRA|XP\_011394974.1 SSCL|APA06959.1

>Orthogroup2815: ANID|CBF79310.1 BCIN|XP\_001561074.1 BGRA|VDB95174.1 CFRU|XP\_031878141.1 CGLO|KAF3801827.1 CHIG|XP\_018159321.1 CVIN|KAF4895039.1 CVYL|A12880 FGRM|XP\_011320638.1 MGRA|XP\_003854759.1 MLAR|XP\_007406534.1 MORY|QBZ62915.1 NCRA|XP\_960476.1 SSCL|APA06766.1

>Orthogroup2816: ANID|CBF79312.1 BCIN|XP\_001547053.1 BGRA|VDB93803.1 CFRU|XP\_031885976.1 CGLO|KAF3811970.1 CHIG|XP\_018155263.1 CVIN|KAF4930328.1 CVYL|A05532 FGRM|XP\_011317428.1 MGRA|XP\_003853920.1 MLAR|XP\_007411602.1 MORY|QBZ56165.1 NCRA|XP\_963354.1 SSCL|APA05952.1

>Orthogroup2817: ANID|CBF79317.1 BCIN|XP\_024546982.1 BGRA|VDB93809.1 CFRU|XP\_031885975.1 CGLO|KAF3811971.1 CHIG|XP\_018155262.1 CVIN|KAF4930327.1 CVYL|A05531 FGRM|XP\_011317429.1 MGRA|XP\_003854352.1 MLAR|XP\_007408914.1 MORY|QBZ56166.1 NCRA|XP\_963351.1 SSCL|APA05951.1

>Orthogroup2818: ANID|CBF79330.1 BCIN|XP\_001558795.2 BGRA|VDB93838.1 CFRU|XP\_031883336.1 CGLO|KAF3800573.1 CHIG|XP\_018152107.1 CVIN|KAF4927066.1 CVYL|A13142 FGRM|XP\_011317233.1 MGRA|XP\_003853961.1 MLAR|XP\_007410892.1 MORY|QBZ60337.1 NCRA|XP\_956908.1 SSCL|APA05955.1

>Orthogroup2819: ANID|CBF79332.1 BCIN|XP\_001553211.1 BGRA|VDB84381.1 CFRU|XP\_031887450.1 CGLO|KAF3807135.1 CHIG|XP\_018160938.1 CVYL|A03533 FGRM|XP\_011323607.1 MGRA|XP\_003857774.1 MLAR|XP\_007404113.1 MLAR|XP\_007419336.1 MORY|QBZ64544.1 NCRA|XP\_962526.1 SSCL|APA12079.1

>Orthogroup2820: ANID|CBF79349.1 BCIN|XP\_024548174.1 BGRA|VDB89597.1 CFRU|XP\_031876394.1 CGLO|KAF3797791.1 CHIG|XP\_018156470.1 CVIN|KAF4923153.1 CVYL|A03016 FGRM|XP\_011318590.1 MGRA|XP\_003851377.1 MLAR|XP\_007411936.1 MORY|QBZ57790.1 NCRA|XP\_960037.1 SSCL|APA12425.1

>Orthogroup2821: ANID|CBF79356.1 BCIN|XP\_001550927.1 BGRA|VDB93324.1 CFRU|XP\_031876386.1 CGLO|KAF3797775.1 CHIG|XP\_018156444.1 CVIN|KAF4918831.1 CVYL|A02994 FGRM|XP\_011318771.1 MGRA|XP\_003851636.1 MLAR|XP\_007405516.1 MORY|QBZ63530.1 NCRA|XP\_956580.1 SSCL|APA12382.1

>Orthogroup2822: ANID|CBF79362.1 BCIN|XP\_024550968.1 BGRA|VDB89171.1 CFRU|XP\_031887176.1 CGLO|KAF3809396.1 CHIG|XP\_018156237.1 CVIN|KAF4916424.1 CVYL|A02974 FGRM|XP\_011319173.1 MGRA|XP\_003851396.1 MLAR|XP\_007416409.1 MORY|QBZ57431.1 NCRA|XP\_011394688.1 SSCL|APA11578.1

>Orthogroup2823: ANID|CBF79365.1 BCIN|XP\_001550466.1 BGRA|VDB89175.1 CFRU|XP\_031887207.1 CGLO|KAF3809344.1 CHIG|XP\_018156196.1 CVIN|KAF4924170.1 CVYL|A01549 FGRM|XP\_011318896.1 MGRA|XP\_003851631.1 MLAR|XP\_007406708.1 MORY|QBZ63099.1 NCRA|XP\_957381.1 SSCL|APA11660.1

>Orthogroup2824: ANID|CBF79384.1 BCIN|XP\_001548600.1 BGRA|VDB93204.1 CFRU|XP\_031892560.1 CGLO|KAF3809147.1 CHIG|XP\_018155951.1 CVIN|KAF4922135.1 CVYL|A01332 FGRM|XP\_011318805.1 MGRA|XP\_003851680.1 MLAR|XP\_007408722.1 MORY|QBZ57342.1 NCRA|XP\_958288.3 SSCL|APA11733.1

>Orthogroup2825: ANID|CBF79393.1 BCIN|XP\_024550824.1 CFRU|XP\_031887433.1 CGLO|KAF3809331.1 CHIG|XP\_018156177.1 CVIN|KAF4924194.1 CVYL|A01534 FGRM|XP\_011319228.1 FGRM|XP\_011319229.1 MGRA|XP\_003851395.1 MLAR|XP\_007416694.1 MORY|QBZ54199.1 NCRA|XP\_961232.3 SSCL|APA11734.1

>Orthogroup2826: ANID|CBF79397.1 BCIN|XP\_024550960.1 BGRA|VDB89183.1 CFRU|XP\_031892858.1 CGLO|KAF3809130.1 CHIG|XP\_018155964.1 CVIN|KAF4922125.1 CVYL|A01314 FGRM|XP\_011319192.1 MGRA|XP\_003851965.1 MLAR|XP\_007407496.1 MORY|QBZ57327.1 NCRA|XP\_011394664.1 SSCL|APA11572.1

>Orthogroup2827: ANID|CBF79408.1 BCIN|XP\_024547939.1 BGRA|VDB84444.1 CFRU|XP\_031891314.1 CGLO|KAF3804693.1 CHIG|XP\_018161764.1 CVIN|KAF4923390.1 CVYL|A05192 FGRM|XP\_011321519.1 MGRA|XP\_003851511.1 MLAR|XP\_007412037.1 MORY|QBZ59630.1 NCRA|XP\_956780.2 SSCL|APA08274.1

>Orthogroup2828: ANID|CBF79417.1 BCIN|XP\_001554116.1 BGRA|VDB91073.1 CFRU|XP\_031877864.1 CGLO|KAF3806625.1 CHIG|XP\_018164237.1 CVIN|KAF4918920.1 CVYL|A12337 FGRM|XP\_011316215.1 MGRA|XP\_003851562.1 MLAR|XP\_007406774.1 MORY|QBZ56400.1 NCRA|XP\_964127.2 SSCL|APA05538.1

>Orthogroup2829: ANID|CBF79419.1 BCIN|XP\_001554114.1 BGRA|VDB91070.1 CFRU|XP\_031882730.1 CGLO|KAF3812070.1 CHIG|XP\_018164078.1 CVIN|KAF4923707.1 CVYL|A14246 FGRM|XP\_011326770.1 MGRA|XP\_003851780.1 MLAR|XP\_007417829.1 MORY|QBZ56399.1 NCRA|XP\_964124.2 SSCL|APA05540.1

>Orthogroup2830: ANID|CBF79427.1 ANID|CBF80579.1 BCIN|XP\_001556240.1 BGRA|VDB86101.1 CFRU|XP\_031892586.1 CGLO|KAF3797116.1 CHIG|XP\_018157086.1 CVYL|A10589 FGRM|XP\_011328557.1 MGRA|XP\_003851693.1 MORY|QBZ65216.1 MORY|QBZ65429.1 NCRA|XP\_963725.2 SSCL|APA08992.1

>Orthogroup2831: ANID|CBF79440.1 BCIN|XP\_001546882.1 BGRA|VDB88135.1 CFRU|XP\_031885757.1 CGLO|KAF3810178.1 CHIG|XP\_018157797.1 CVIN|KAF4929167.1 CVYL|A02770 FGRM|XP\_011320118.1 MGRA|XP\_003852818.1 MLAR|XP\_007417469.1 MORY|QBZ61284.1 NCRA|XP\_957577.2 SSCL|APA08578.1

>Orthogroup2832: ANID|CBF79442.1 BCIN|XP\_001546881.1 BGRA|VCU41149.1 CFRU|XP\_031885707.1 CGLO|KAF3810179.1 CHIG|XP\_018157798.1 CVIN|KAF4929166.1 CVYL|A02771 FGRM|XP\_011320117.1 MGRA|XP\_003852819.1 MLAR|XP\_007404453.1 NCRA|XP\_957609.1 SSCL|APA08580.1 SSCL|APA08581.1

>Orthogroup2833: ANID|CBF79450.1 BCIN|XP\_001546070.1 BGRA|VDB93622.1 CFRU|XP\_031886260.1 CGLO|KAF3806276.1 CHIG|XP\_018162102.1 CVIN|KAF4923955.1 CVYL|A11867 FGRM|XP\_011326632.1 MGRA|XP\_003853852.1 MLAR|XP\_007407003.1 MORY|QBZ61517.1 NCRA|XP\_962915.2 SSCL|APA14994.1

>Orthogroup2834: ANID|CBF79478.1 BCIN|XP\_001545693.2 CFRU|XP\_031876925.1 CGLO|KAF3810365.1 CGLO|KAF3810713.1 CHIG|XP\_018162570.1 CVIN|KAF4908230.1 CVIN|KAF4909097.1 CVYL|A05746 CVYL|A07240 FGRM|XP\_011323984.1 MGRA|XP\_003856851.1 NCRA|XP\_001728199.2 SSCL|APA14944.1

>Orthogroup2835: ANID|CBF79489.1 BCIN|XP\_001547702.1 BGRA|VDB89658.1 CFRU|XP\_031887721.1 CGLO|KAF3803312.1 CHIG|XP\_018161164.1 CVIN|KAF4898736.1 CVYL|A03747 FGRM|XP\_011321367.1 MGRA|XP\_003849681.1 MLAR|XP\_007407647.1 MORY|QBZ64584.1 NCRA|XP\_962216.1 SSCL|APA13297.1

>Orthogroup2836: ANID|CBF79494.1 BCIN|XP\_001547701.1 CFRU|XP\_031887716.1 CGLO|KAF3803313.1 CHIG|XP\_018161165.1 CVIN|KAF4898740.1 CVYL|A03748 FGRM|XP\_011321366.1 MGRA|XP\_003849420.1 MLAR|XP\_007406109.1 MLAR|XP\_007419823.1 MORY|QBZ64583.1 NCRA|XP\_962217.1 SSCL|APA13298.1

>Orthogroup2837: ANID|CBF79503.1 BCIN|XP\_001545252.2 BGRA|VDB92837.1 CFRU|XP\_031890256.1 CGLO|KAF3798717.1 CHIG|XP\_018151273.1 CVIN|KAF4910265.1 CVYL|A09195 FGRM|XP\_011327921.1 MGRA|XP\_003849809.1 MLAR|XP\_007417819.1 MORY|QBZ56565.1 NCRA|XP\_961789.1 SSCL|APA12869.1

>Orthogroup2838: ANID|CBF79508.1 BCIN|XP\_001552240.2 BGRA|VCU39215.1 CFRU|XP\_031887656.1 CGLO|KAF3803329.1 CHIG|XP\_018161156.1 CVIN|KAF4919273.1 CVYL|A03767 FGRM|XP\_011318405.1 MGRA|XP\_003849264.1 MLAR|XP\_007415205.1 MORY|QBZ64576.1 NCRA|XP\_961885.1 SSCL|APA12908.1

>Orthogroup2839: ANID|CBF79514.1 BCIN|XP\_001558150.2 BGRA|VDB92699.1 CFRU|XP\_031878771.1 CGLO|KAF3797566.1 CHIG|XP\_018151105.1 CVIN|KAF4923592.1 CVYL|A08981 FGRM|XP\_011324259.1 MGRA|XP\_003849258.1 MLAR|XP\_007406529.1 MORY|QBZ63336.1 NCRA|XP\_957054.1 SSCL|APA13165.1

>Orthogroup2840: ANID|CBF79563.1 BCIN|XP\_024553625.1 BGRA|VDB87864.1 CFRU|XP\_031883266.1 CGLO|KAF3801730.1 CHIG|XP\_018159245.1 CVIN|KAF4922912.1 CVYL|A12971 FGRM|XP\_011320395.1 MGRA|XP\_003853358.1 MLAR|XP\_007405373.1 MORY|QBZ55469.1 NCRA|XP\_960414.1 SSCL|APA08572.1

>Orthogroup2841: ANID|CBF79568.1 ANID|CBF86294.1 BCIN|XP\_024552359.1 CFRU|XP\_031877141.1 CGLO|KAF3804005.1 CHIG|XP\_018150940.1 CVIN|KAF4925134.1 CVYL|A08796 FGRM|XP\_011323759.1 MGRA|XP\_003849373.1 MLAR|XP\_007405696.1 MORY|QBZ64297.1 NCRA|XP\_961784.1 SSCL|APA13240.1

>Orthogroup2842: ANID|CBF79590.1 BCIN|XP\_024553643.1 BGRA|VDB89723.1 CFRU|XP\_031885752.1 CGLO|KAF3810183.1 CHIG|XP\_018157802.1 CVIN|KAF4929172.1 CVYL|A02775 FGRM|XP\_011320113.1 MGRA|XP\_003852933.1 MLAR|XP\_007410370.1 MORY|QBZ61281.1 NCRA|XP\_960327.3 SSCL|APA08561.1

>Orthogroup2843: ANID|CBF79605.1 BCIN|XP\_024547012.1 BGRA|VDB93748.1 CFRU|XP\_031882863.1 CGLO|KAF3806660.1 CHIG|XP\_018164208.1 CVIN|KAF4923680.1 CVYL|A14201 FGRM|XP\_011316009.1 MGRA|XP\_003857339.1 MLAR|XP\_007404238.1 MORY|QBZ62973.1 NCRA|XP\_965419.1 SSCL|APA05887.1

>Orthogroup2844: ANID|CBF79613.1 BCIN|XP\_024550477.1 BGRA|VDB84195.1 CFRU|XP\_031892563.1 CGLO|KAF3797231.1 CHIG|XP\_018157228.1 CVIN|KAF4917704.1 CVYL|A10466 FGRM|XP\_011320216.1 MGRA|XP\_003856489.1 MLAR|XP\_007403620.1 MORY|QBZ66126.1 NCRA|XP\_965772.1 SSCL|APA11196.1

>Orthogroup2845: ANID|CBF79619.1 BCIN|XP\_024549744.1 BGRA|VDB93686.1 CFRU|XP\_031892726.1 CGLO|KAF3812259.1 CHIG|XP\_018153452.1 CVIN|KAF4919938.1 CVYL|A00128 FGRM|XP\_011316944.1 MGRA|XP\_003856488.1 MLAR|XP\_007412765.1 MORY|QBZ55265.1 NCRA|XP\_011393048.1 SSCL|APA05677.1

>Orthogroup2846: ANID|CBF79621.1 BCIN|XP\_001558891.1 BGRA|VDB93666.1 CFRU|XP\_031879785.1 CGLO|KAF3802995.1 CHIG|XP\_018153617.1 CVIN|KAF4929927.1 CVYL|A00006 FGRM|XP\_011316277.1 MGRA|XP\_003853759.1 MLAR|XP\_007405832.1 MORY|QBZ55545.1 NCRA|XP\_963722.1 SSCL|APA05785.1

>Orthogroup2847: ANID|CBF79630.1 BCIN|XP\_001548490.1 BGRA|VDB86320.1 CFRU|XP\_031888409.1 CGLO|KAF3803673.1 CHIG|XP\_018163775.1 CVIN|KAF4928564.1 CVYL|A14603 FGRM|XP\_011324168.1 MGRA|XP\_003857051.1 MLAR|XP\_007411508.1 MORY|QBZ54632.1 NCRA|XP\_964493.1 SSCL|APA13834.1

>Orthogroup2848: ANID|CBF79641.1 BCIN|XP\_001553724.1 BGRA|VDB93536.1 CFRU|XP\_031892719.1 CGLO|KAF3812252.1 CHIG|XP\_018153456.1 CVIN|KAF4919940.1 CVYL|A00133 FGRM|XP\_011316936.1 MGRA|XP\_003857141.1 MLAR|XP\_007412207.1 MORY|QBZ55260.1 NCRA|XP\_965348.1 SSCL|APA13488.1

>Orthogroup2849: ANID|CBF79661.1 BCIN|XP\_001547942.1 BGRA|VDB93713.1 CFRU|XP\_031882949.1 CGLO|KAF3803450.1 CHIG|XP\_018163978.1 CVIN|KAF4926300.1 CVYL|A14378 FGRM|XP\_011316977.1 MGRA|XP\_003857344.1 MLAR|XP\_007404870.1 MORY|QBZ55325.1 NCRA|XP\_965462.3 SSCL|APA13608.1

>Orthogroup2850: ANID|CBF79684.1 BCIN|XP\_024546943.1 BGRA|VDB86351.1 CFRU|XP\_031879780.1 CGLO|KAF3802993.1 CHIG|XP\_018153619.1 CVIN|KAF4929925.1 CVYL|A00004 FGRM|XP\_011316276.1 MGRA|XP\_003856591.1 MLAR|XP\_007415659.1 MORY|QBZ62762.1 NCRA|XP\_963721.2 SSCL|APA05788.1

>Orthogroup2851: ANID|CBF79717.1 BCIN|XP\_001552234.2 BGRA|VCU39178.1 CFRU|XP\_031887660.1 CGLO|KAF3803332.1 CHIG|XP\_018161160.1 CVIN|KAF4919281.1 CVYL|A03770 FGRM|XP\_011318410.1 MGRA|XP\_003849554.1 MORY|QBZ64572.1 NCRA|XP\_960381.1 NCRA|XP\_962002.2 SSCL|APA12914.1

>Orthogroup2852: ANID|CBF79722.1 BCIN|XP\_024552225.1 BGRA|VCU39492.1 CFRU|XP\_031887644.1 CGLO|KAF3803191.1 CHIG|XP\_018161029.1 CVIN|KAF4920203.1 CVYL|A03621 FGRM|XP\_011323812.1 MGRA|XP\_003849636.1 MLAR|XP\_007405344.1 MORY|QBZ58841.1 NCRA|XP\_964449.1 SSCL|APA13008.1

>Orthogroup2853: ANID|CBF79724.1 BCIN|XP\_001548685.1 BGRA|VDB88066.1 CFRU|XP\_031883300.1 CGLO|KAF3800508.1 CHIG|XP\_018152214.1 CVIN|KAF4919223.1 CVYL|A13206 FGRM|XP\_011321322.1 MGRA|XP\_003849464.1 MLAR|XP\_007411848.1 MORY|QBZ61109.1 NCRA|XP\_011393593.1 SSCL|APA15611.1

>Orthogroup2854: ANID|CBF79732.1 BCIN|XP\_001555293.1 BGRA|VDB87671.1 CFRU|XP\_031879417.1 CGLO|KAF3802420.1 CHIG|XP\_018154718.1 CVIN|KAF4918214.1 CVYL|A13563 FGRM|XP\_011317177.1 MGRA|XP\_003849649.1 MLAR|XP\_007417209.1 MORY|QBZ64864.1 NCRA|XP\_956525.1 SSCL|APA08639.1

>Orthogroup2855: ANID|CBF79747.1 BCIN|XP\_001551622.1 BGRA|VCU39991.1 CFRU|XP\_031880272.1 CGLO|KAF3809081.1 CHIG|XP\_018155889.1 CVIN|KAF4919721.1 CVYL|A01631 FGRM|XP\_011319218.1 MGRA|XP\_003849510.1 MLAR|XP\_007408918.1 MORY|QBZ62422.1 NCRA|XP\_001728228.2 SSCL|APA11778.1

>Orthogroup2856: ANID|CBF79766.1 BCIN|XP\_001557372.1 BGRA|VDB91333.1 CFRU|XP\_031893201.1 CGLO|KAF3808098.1 CHIG|XP\_018152799.1 CVIN|KAF4920634.1 CVYL|A08134 FGRM|XP\_011317975.1 MGRA|XP\_003850530.1 MLAR|XP\_007410388.1 MORY|QBZ55003.1 NCRA|XP\_958539.1 SSCL|APA10701.1

>Orthogroup2857: ANID|CBF79770.1 BCIN|XP\_024552757.1 BGRA|VCU41238.1 CFRU|XP\_031887372.1 CGLO|KAF3809338.1 CHIG|XP\_018156167.1 CVIN|KAF4924165.1 CVYL|A01541 FGRM|XP\_011318847.1 MGRA|XP\_003857183.1 MLAR|XP\_007403705.1 MORY|QBZ58953.1 NCRA|XP\_960913.1 SSCL|APA07502.1

>Orthogroup2858: ANID|CBF79783.1 BCIN|XP\_024552810.1 BGRA|VCU41232.1 CFRU|XP\_031889454.1 CGLO|KAF3808819.1 CHIG|XP\_018155722.1 CVIN|KAF4908034.1 CVYL|A01259 FGRM|XP\_011319147.1 MGRA|XP\_003856782.1 MLAR|XP\_007412725.1 MORY|QBZ58724.1 NCRA|XP\_960697.1 SSCL|APA16023.1

>Orthogroup2859: ANID|CBF79798.1 ANID|CBF82159.1 BCIN|XP\_001551180.1 CFRU|XP\_031889632.1 CGLO|KAF3810532.1 CHIG|XP\_018159102.1 CVIN|KAF4914552.1 CVYL|A13609 FGRM|XP\_011321752.1 MGRA|XP\_003854610.1 MLAR|XP\_007416961.1 MORY|QBZ63164.1 NCRA|XP\_956641.1 SSCL|APA13208.1

>Orthogroup2860: ANID|CBF79800.1 BCIN|XP\_024546558.1 CFRU|XP\_031877279.1 CGLO|KAF3806807.1 CHIG|XP\_018159531.1 CVIN|KAF4908880.1 CVYL|A02463 FGRM|XP\_011317597.1 FGRM|XP\_011318318.1 MGRA|XP\_003850517.1 MORY|QBZ55114.1 MORY|QBZ66756.1 NCRA|XP\_960480.1 SSCL|APA06789.1

>Orthogroup2861: ANID|CBF79821.1 BCIN|XP\_024548934.1 BGRA|VDB89291.1 BGRA|VDB89292.1 CFRU|XP\_031886473.1 CGLO|KAF3806167.1 CHIG|XP\_018162044.1 CVIN|KAF4931474.1 CVYL|A11752 FGRM|XP\_011324092.1 MGRA|XP\_003856260.1 MORY|QBZ61423.1 NCRA|XP\_011393779.1 SSCL|APA09533.1

>Orthogroup2862: ANID|CBF79837.1 BCIN|XP\_001556370.1 CFRU|XP\_031889879.1 CGLO|KAF3805978.1 CHIG|XP\_018158949.1 CVIN|KAF4917779.1 CVYL|A13742 FGRM|XP\_011323284.1 MGRA|XP\_003847508.1 MGRA|XP\_003852431.1 MGRA|XP\_003852597.1 MORY|QBZ58644.1 NCRA|XP\_962798.1 SSCL|APA08706.1

>Orthogroup2863: ANID|CBF79841.1 ANID|CBF79843.1 BCIN|XP\_001551326.1 BGRA|VCU41283.1 CFRU|XP\_031892833.1 CGLO|KAF3809108.1 CHIG|XP\_018155929.1 CVIN|KAF4922098.1 CVYL|A01294 FGRM|XP\_011319330.1 MLAR|XP\_007403574.1 MORY|QBZ57471.1 NCRA|XP\_961527.3 SSCL|APA16137.1

>Orthogroup2864: ANID|CBF79845.1 BCIN|XP\_001551325.2 BGRA|VCU41282.1 CFRU|XP\_031892834.1 CGLO|KAF3809107.1 CHIG|XP\_018155928.1 CVIN|KAF4922097.1 CVYL|A01293 FGRM|XP\_011319020.1 MGRA|XP\_003857424.1 MLAR|XP\_007417488.1 MORY|QBZ57472.1 NCRA|XP\_961526.1 SSCL|APA16136.1

>Orthogroup2865: ANID|CBF79881.1 BCIN|XP\_024549075.1 BGRA|VCU39548.1 CFRU|XP\_031885640.1 CGLO|KAF3810071.1 CHIG|XP\_018157779.1 CVIN|KAF4912741.1 CVYL|A02667 FGRM|XP\_011326177.1 MGRA|XP\_003857785.1 MLAR|XP\_007409470.1 MORY|QBZ58143.1 NCRA|XP\_962130.3 SSCL|APA15865.1

>Orthogroup2866: ANID|CBF79887.1 BCIN|XP\_001553180.1 BGRA|VCU39696.1 CFRU|XP\_031887417.1 CGLO|KAF3809281.1 CHIG|XP\_018156116.1 CVIN|KAF4921056.1 CVYL|A01475 FGRM|XP\_011319358.1 MGRA|XP\_003857398.1 MLAR|XP\_007405878.1 MORY|QBZ62241.1 NCRA|XP\_961083.1 SSCL|APA07531.1

>Orthogroup2867: ANID|CBF79904.1 BCIN|XP\_001554553.2 BGRA|VCU40845.1 CFRU|XP\_031887403.1 CGLO|KAF3809275.1 CHIG|XP\_018156111.1 CVIN|KAF4921062.1 CVYL|A01469 FGRM|XP\_011318834.1 MGRA|XP\_003856038.1 MLAR|XP\_007415649.1 MORY|QBZ62206.1 NCRA|XP\_961236.1 SSCL|APA11905.1

>Orthogroup2868: ANID|CBF79906.1 BCIN|XP\_024550779.1 BGRA|VCU41226.1 CFRU|XP\_031887398.1 CGLO|KAF3809276.1 CHIG|XP\_018156112.1 CHIG|XP\_018158089.1 CVIN|KAF4921059.1 CVYL|A01470 FGRM|XP\_011318833.1 MLAR|XP\_007409225.1 MORY|QBZ62205.1 NCRA|XP\_011394640.1 SSCL|APA11906.1

>Orthogroup2869: ANID|CBF79908.1 BCIN|XP\_001554559.2 BGRA|VCU40837.1 CFRU|XP\_031889299.1 CGLO|KAF3808711.1 CHIG|XP\_018155572.1 CVIN|KAF4929633.1 CVYL|A00973 FGRM|XP\_011319269.1 MGRA|XP\_003857577.1 MLAR|XP\_007416243.1 MORY|QBZ59035.1 NCRA|XP\_960899.1 SSCL|APA11910.1

>Orthogroup2870: ANID|CBF79923.1 BCIN|XP\_001549468.1 BGRA|VCU41173.1 CFRU|XP\_031892843.1 CGLO|KAF3809149.1 CHIG|XP\_018155949.1 CVIN|KAF4922133.1 CVYL|A01334 FGRM|XP\_011318803.1 MGRA|XP\_003855933.1 MLAR|XP\_007406422.1 MORY|QBZ62421.1 NCRA|XP\_958665.3 SSCL|APA16234.1

>Orthogroup2871: ANID|CBF79929.1 BCIN|XP\_024550493.1 BGRA|VCU38780.1 CFRU|XP\_031881542.1 CGLO|KAF3805345.1 CHIG|XP\_018156764.1 CVIN|KAF4913619.1 CVYL|A10987 FGRM|XP\_011328302.1 MGRA|XP\_003853880.1 MLAR|XP\_007405317.1 MORY|QBZ65546.1 NCRA|XP\_965198.2 SSCL|APA11212.1

>Orthogroup2872: ANID|CBF79934.1 BCIN|XP\_024550491.1 BGRA|VCU38783.1 CFRU|XP\_031881539.1 CGLO|KAF3805348.1 CHIG|XP\_018156767.1 CVIN|KAF4913621.1 CVYL|A10990 FGRM|XP\_011328299.1 MGRA|XP\_003854198.1 MLAR|XP\_007411302.1 MORY|QBZ66207.1 NCRA|XP\_965202.1 SSCL|APA11209.1

>Orthogroup2873: ANID|CBF79935.1 BCIN|XP\_001548402.1 BGRA|VDB95136.1 CFRU|XP\_031891822.1 CFRU|XP\_031893024.1 CGLO|KAF3800073.1 CGLO|KAF3800837.1 CHIG|XP\_018150876.1 CHIG|XP\_018165020.1 CVIN|KAF4891450.1 CVIN|KAF4922513.1 CVYL|A06771 CVYL|A08711 SSCL|APA09271.1

>Orthogroup2874: ANID|CBF79939.1 BCIN|XP\_024550490.1 BGRA|VCU38784.1 CFRU|XP\_031881644.1 CGLO|KAF3807469.1 CHIG|XP\_018156760.1 CVIN|KAF4913602.1 CVYL|A10980 FGRM|XP\_011328298.1 MGRA|XP\_003853184.1 MLAR|XP\_007406448.1 MORY|QBZ66208.1 NCRA|XP\_965201.1 SSCL|APA11208.1

>Orthogroup2875: ANID|CBF79943.1 BCIN|XP\_001560598.1 BGRA|VDB85831.1 CFRU|XP\_031887818.1 CGLO|KAF3802050.1 CHIG|XP\_018154181.1 CVIN|KAF4901930.1 CVYL|A03338 FGRM|XP\_011323000.1 MGRA|XP\_003854301.1 MLAR|XP\_007414670.1 MORY|QBZ66403.1 NCRA|XP\_011392841.1 SSCL|APA07907.1

>Orthogroup2876: ANID|CBF79947.1 BCIN|XP\_001560866.2 BGRA|VDB84399.1 CFRU|XP\_031886690.1 CGLO|KAF3800272.1 CHIG|XP\_018162759.1 CVIN|KAF4927611.1 CVYL|A06964 FGRM|XP\_011327026.1 MGRA|XP\_003849981.1 MLAR|XP\_007417909.1 MORY|QBZ61331.1 NCRA|XP\_957320.1 SSCL|APA08079.1

>Orthogroup2877: ANID|CBF79950.1 BCIN|XP\_024547541.1 BGRA|VCU38819.1 CFRU|XP\_031887032.1 CGLO|KAF3811281.1 CHIG|XP\_018160505.1 CVIN|KAF4927222.1 CVYL|A04451 FGRM|XP\_011323629.1 MGRA|XP\_003850531.1 MLAR|XP\_007418883.1 MORY|QBZ57015.1 NCRA|XP\_961506.1 SSCL|APA07869.1

>Orthogroup2878: ANID|CBF79961.1 BCIN|XP\_024545922.1 BGRA|VCU38914.1 CFRU|XP\_031887454.1 CGLO|KAF3811598.1 CHIG|XP\_018160870.1 CVIN|KAF4914900.1 CVYL|A03456 FGRM|XP\_011324859.1 MGRA|XP\_003853792.1 MLAR|XP\_007418038.1 MORY|QBZ58877.1 NCRA|XP\_962224.1 SSCL|APA07344.1

>Orthogroup2879: ANID|CBF79968.1 BCIN|XP\_024550449.1 BGRA|VDB84185.1 CFRU|XP\_031887841.1 CGLO|KAF3802276.1 CHIG|XP\_018154358.1 CVIN|KAF4924438.1 CVYL|A10385 FGRM|XP\_011319806.1 MGRA|XP\_003854030.1 MLAR|XP\_007408175.1 MORY|QBZ65751.1 NCRA|XP\_964239.2 SSCL|APA11151.1

>Orthogroup2880: ANID|CBF79970.1 BCIN|XP\_024546731.1 BGRA|VCU39101.1 CFRU|XP\_031886199.1 CGLO|KAF3806585.1 CHIG|XP\_018157624.1 CVIN|KAF4920498.1 CVYL|A09283 FGRM|XP\_011324827.1 MGRA|XP\_003855781.1 MLAR|XP\_007416449.1 MORY|QBZ56235.1 NCRA|XP\_962619.2 SSCL|APA06825.1

>Orthogroup2881: ANID|CBF79975.1 BCIN|XP\_001555020.1 BGRA|VDB86137.1 CFRU|XP\_031886986.1 CGLO|KAF3811255.1 CHIG|XP\_018160497.1 CVIN|KAF4931238.1 CVYL|A04409 FGRM|XP\_011324718.1 MGRA|XP\_003850472.1 MLAR|XP\_007410569.1 MORY|QBZ64489.1 NCRA|XP\_001728316.1 SSCL|APA07789.1

>Orthogroup2882: ANID|CBF79976.1 BCIN|XP\_001555007.1 BGRA|VDB86066.1 CFRU|XP\_031891470.1 CGLO|KAF3804496.1 CHIG|XP\_018160324.1 CVIN|KAF4930978.1 CVYL|A04211 FGRM|XP\_011324747.1 MGRA|XP\_003850519.1 MLAR|XP\_007413426.1 MORY|QBZ59093.1 NCRA|XP\_960927.1 SSCL|APA07781.1

>Orthogroup2883: ANID|CBF79979.1 BCIN|XP\_024547788.1 BGRA|VCU38773.1 CFRU|XP\_031891680.1 CGLO|KAF3800131.1 CHIG|XP\_018165065.1 CVIN|KAF4925817.1 CVYL|A06818 FGRM|XP\_011323518.1 MGRA|XP\_003849894.1 MLAR|XP\_007411133.1 MORY|QBZ58690.1 NCRA|XP\_962257.1 SSCL|APA08047.1

>Orthogroup2884: ANID|CBF79990.1 BCIN|XP\_024547783.1 BGRA|VCU38774.1 CFRU|XP\_031877752.1 CGLO|KAF3796947.1 CHIG|XP\_018162394.1 CVIN|KAF4911630.1 CVYL|A07317 FGRM|XP\_011318548.1 MGRA|XP\_003849944.1 MLAR|XP\_007413799.1 MORY|QBZ62831.1 NCRA|XP\_957236.2 SSCL|APA08044.1

>Orthogroup2885: ANID|CBF80000.1 BCIN|XP\_024551195.1 BGRA|VCU39442.1 CFRU|XP\_031886639.1 CGLO|KAF3801214.1 CHIG|XP\_018162597.1 CVIN|KAF4932114.1 CVYL|A07118 FGRM|XP\_011324118.1 MGRA|XP\_003855401.1 MLAR|XP\_007413583.1 MORY|QBZ56493.1 NCRA|XP\_011393983.1 SSCL|APA10146.1

>Orthogroup2886: ANID|CBF80004.1 BCIN|XP\_001553481.1 BGRA|VDB86018.1 CFRU|XP\_031891543.1 CGLO|KAF3797436.1 CHIG|XP\_018157399.1 CVIN|KAF4929364.1 CVYL|A10240 FGRM|XP\_011319867.1 MGRA|XP\_003854202.1 MLAR|XP\_007414465.1 MORY|QBZ65615.1 NCRA|XP\_964506.2 SSCL|APA10879.1

>Orthogroup2887: ANID|CBF80025.1 BCIN|XP\_001549995.1 BGRA|VCU39961.1 CFRU|XP\_031893215.1 CGLO|KAF3809497.1 CHIG|XP\_018152684.1 CVIN|KAF4921254.1 CVYL|A10062 FGRM|XP\_011317966.1 MGRA|XP\_003850395.1 MLAR|XP\_007417697.1 MORY|QBZ55063.1 NCRA|XP\_011394828.1 SSCL|APA10468.1

>Orthogroup2888: ANID|CBF80034.1 BCIN|XP\_001547476.1 BGRA|VCU38910.1 CFRU|XP\_031887687.1 CGLO|KAF3811597.1 CHIG|XP\_018160865.1 CVIN|KAF4914892.1 CVYL|A03455 FGRM|XP\_011324860.1 MGRA|XP\_003854443.1 MLAR|XP\_007408287.1 MORY|QBZ58880.1 NCRA|XP\_961806.1 SSCL|APA07348.1

>Orthogroup2889: ANID|CBF80037.1 BCIN|XP\_024549278.1 BGRA|VCU38860.1 CFRU|XP\_031887629.1 CGLO|KAF3803232.1 CHIG|XP\_018161079.1 CVIN|KAF4928664.1 CVYL|A03664 FGRM|XP\_011323830.1 MGRA|XP\_003853695.1 MLAR|XP\_007412709.1 MORY|QBZ56328.1 NCRA|XP\_962504.1 SSCL|APA08896.1

>Orthogroup2890: ANID|CBF80046.1 BCIN|XP\_024550497.1 BGRA|VDB85710.1 CFRU|XP\_031887839.1 CGLO|KAF3802274.1 CHIG|XP\_018154360.1 CVIN|KAF4924434.1 CVYL|A10363 FGRM|XP\_011319801.1 MGRA|XP\_003853821.1 MLAR|XP\_007404372.1 MORY|QBZ65748.1 NCRA|XP\_964237.3 SSCL|APA11215.1

>Orthogroup2891: ANID|CBF80058.1 BCIN|XP\_024550576.1 BGRA|VDB84209.1 CFRU|XP\_031880456.1 CGLO|KAF3807271.1 CHIG|XP\_018156945.1 CVIN|KAF4928134.1 CVYL|A10754 FGRM|XP\_011320001.1 MGRA|XP\_003854506.1 MLAR|XP\_007415379.1 MORY|QBZ65911.1 NCRA|XP\_011392812.1 SSCL|APA11374.1

>Orthogroup2892: ANID|CBF80065.1 BCIN|XP\_024546589.1 CFRU|XP\_031888927.1 CFRU|XP\_031889269.1 CGLO|KAF3799204.1 CHIG|XP\_018159818.1 CVIN|KAF4894528.1 CVIN|KAF4896685.1 CVYL|A10099 FGRM|XP\_011325463.1 MGRA|XP\_003851428.1 MORY|QBZ66325.1 NCRA|XP\_964527.3 SSCL|APA06818.1

>Orthogroup2893: ANID|CBF80073.1 BCIN|XP\_001561058.1 BGRA|VDB90743.1 CFRU|XP\_031892360.1 CGLO|KAF3803051.1 CHIG|XP\_018153599.1 CHIG|XP\_018161487.1 CVYL|A00062 FGRM|XP\_011316070.1 MGRA|XP\_003854545.1 MLAR|XP\_007403600.1 MORY|QBZ59487.1 NCRA|XP\_962091.1 SSCL|APA06757.1

>Orthogroup2894: ANID|CBF80080.1 ANID|CBF90032.1 BCIN|XP\_024546921.1 BCIN|XP\_024547803.1 BCIN|XP\_024549992.1 BCIN|XP\_024553573.1 CFRU|XP\_031892953.1 CGLO|KAF3808056.1 CHIG|XP\_018152770.1 CVIN|KAF4922848.1 CVYL|A08177 FGRM|XP\_011316743.1 MORY|QBZ66455.1 NCRA|XP\_965585.2

>Orthogroup2895: ANID|CBF80097.1 BCIN|XP\_024547671.1 BGRA|VDB85944.1 CFRU|XP\_031880391.1 CGLO|KAF3807263.1 CHIG|XP\_018156941.1 CVIN|KAF4928183.1 CVYL|A10745 FGRM|XP\_011320182.1 MGRA|XP\_003854416.1 MLAR|XP\_007409099.1 MORY|QBZ66169.1 NCRA|XP\_011392943.1 SSCL|APA07734.1

>Orthogroup2896: ANID|CBF80131.1 ANID|CBF82025.1 CFRU|XP\_031878942.1 CFRU|XP\_031880973.1 CGLO|KAF3802569.1 CGLO|KAF3807837.1 CHIG|XP\_018155649.1 CHIG|XP\_018161351.1 CVIN|KAF4917610.1 CVIN|KAF4922587.1 CVYL|A00771 CVYL|A01857 FGRM|XP\_011325835.1 MGRA|XP\_003853333.1

>Orthogroup2897: ANID|CBF80153.1 ANID|CBF80154.1 ANID|CBF90090.1 CFRU|XP\_031878135.1 CFRU|XP\_031884262.1 CGLO|KAF3800017.1 CGLO|KAF3801810.1 CHIG|XP\_018159305.1 CVIN|KAF4917002.1 CVIN|KAF4926906.1 CVYL|A09787 CVYL|A12895 MGRA|XP\_003849179.1 MORY|QBZ58325.1

>Orthogroup2898: ANID|CBF80169.1 BCIN|XP\_024549111.1 CFRU|XP\_031892526.1 CGLO|KAF3797244.1 CHIG|XP\_018157236.1 CVIN|KAF4917682.1 CVYL|A10450 FGRM|XP\_011319900.1 MGRA|XP\_003850941.1 MGRA|XP\_003856846.1 MORY|QBZ65008.1 MORY|QBZ65627.1 NCRA|XP\_011393423.1 SSCL|APA15953.1

>Orthogroup2899: ANID|CBF80201.1 CFRU|XP\_031878799.1 CFRU|XP\_031891897.1 CFRU|XP\_031893394.1 CGLO|KAF3801492.1 CGLO|KAF3809709.1 CGLO|KAF3809710.1 CHIG|XP\_018155594.1 CVIN|KAF4921917.1 CVYL|A02835 CVYL|A06633 FGRM|XP\_011322397.1 MORY|QBZ65448.1 MORY|QBZ65449.1

>Orthogroup2900: ANID|CBF80327.1 CFRU|XP\_031882207.1 CGLO|KAF3804394.1 CHIG|XP\_018160205.1 CVIN|KAF4931001.1 CVYL|A04090 FGRM|XP\_011320696.1 FGRM|XP\_011320849.1 FGRM|XP\_011321570.1 FGRM|XP\_011322037.1 MGRA|XP\_003849457.1 MGRA|XP\_003851131.1 MORY|QBZ63302.1 NCRA|XP\_957285.1

>Orthogroup2901: ANID|CBF80335.1 ANID|CBF86505.1 ANID|CBF89392.1 CFRU|XP\_031890922.1 CGLO|KAF3801587.1 CGLO|KAF3808535.1 CHIG|XP\_018151344.1 CHIG|XP\_018163193.1 CVIN|KAF4922729.1 CVYL|A12548 FGRM|XP\_011320338.1 MORY|QBZ62600.1 MORY|QBZ62601.1 NCRA|XP\_960407.3

>Orthogroup2902: ANID|CBF80471.1 BCIN|XP\_024548645.1 CFRU|XP\_031890714.1 CGLO|KAF3801566.1 CHIG|XP\_018151995.1 CVIN|KAF4921087.1 CVYL|A12561 FGRM|XP\_011322818.1 MLAR|XP\_007413741.1 MORY|QBZ56701.1 MORY|QBZ59382.1 MORY|QBZ66489.1 NCRA|XP\_961796.1 SSCL|APA09952.1

>Orthogroup2903: ANID|CBF80472.1 BCIN|XP\_024553572.1 CFRU|XP\_031882687.1 CFRU|XP\_031885935.1 CGLO|KAF3803862.1 CGLO|KAF3805451.1 CHIG|XP\_018155303.1 CHIG|XP\_018161340.1 CVIN|KAF4925446.1 CVIN|KAF4930402.1 CVYL|A05581 CVYL|A08938 FGRM|XP\_011320796.1 SSCL|APA13730.1

>Orthogroup2904: ANID|CBF80662.1 BCIN|XP\_001552102.1 BGRA|VDB96314.1 CFRU|XP\_031886617.1 CGLO|KAF3801229.1 CHIG|XP\_018162611.1 CVIN|KAF4932136.1 CVYL|A07101 FGRM|XP\_011326639.1 MGRA|XP\_003854386.1 MLAR|XP\_007411201.1 MORY|QBZ62824.1 NCRA|XP\_957229.2 SSCL|APA05288.1

>Orthogroup2905: ANID|CBF80722.1 ANID|CBF85730.1 ANID|CBF85981.1 BCIN|XP\_024553740.1 CFRU|XP\_031886495.1 CGLO|KAF3806219.1 CHIG|XP\_018162054.1 CVIN|KAF4931460.1 CVYL|A11808 FGRM|XP\_011324041.1 MGRA|XP\_003854017.1 MORY|QBZ61534.1 NCRA|XP\_001728136.1 SSCL|APA15125.1

>Orthogroup2906: ANID|CBF80724.1 ANID|CBF85557.1 BCIN|XP\_024551303.1 CFRU|XP\_031883984.1 CGLO|KAF3805673.1 CHIG|XP\_018163585.1 CVIN|KAF4920666.1 CVYL|A09877 FGRM|XP\_011321031.1 FGRM|XP\_011325942.1 MGRA|XP\_003848604.1 MORY|QBZ59831.1 NCRA|XP\_011394157.1 SSCL|APA10582.1

>Orthogroup2907: ANID|CBF80860.1 BCIN|XP\_024550647.1 BGRA|VCU39558.1 CFRU|XP\_031892703.1 CGLO|KAF3809166.1 CHIG|XP\_018155988.1 CVIN|KAF4919828.1 CVYL|A01353 FGRM|XP\_011318968.1 MGRA|XP\_003855390.1 MLAR|XP\_007417616.1 MORY|QBZ57474.1 NCRA|XP\_961531.1 SSCL|APA11466.1

>Orthogroup2908: ANID|CBF80868.1 BCIN|XP\_001558318.1 BGRA|VDB91201.1 CFRU|XP\_031881746.1 CHIG|XP\_018152060.1 CVIN|KAF4918195.1 CVYL|A13090 FGRM|XP\_011324623.1 MGRA|XP\_003855389.1 MLAR|XP\_007415640.1 MLAR|XP\_007415685.1 MORY|QBZ53995.1 NCRA|XP\_956491.3 SSCL|APA13697.1

>Orthogroup2909: ANID|CBF80871.1 BCIN|XP\_001548814.1 BGRA|VDB93726.1 CFRU|XP\_031881826.1 CGLO|KAF3800635.1 CHIG|XP\_018152049.1 CVIN|KAF4918188.1 CVYL|A13081 FGRM|XP\_011317344.1 MGRA|XP\_003855224.1 MLAR|XP\_007407883.1 MORY|QBZ57298.1 NCRA|XP\_956269.1 SSCL|APA13343.1

>Orthogroup2910: ANID|CBF80879.1 BCIN|XP\_001558766.2 BGRA|VDB93682.1 CFRU|XP\_031878067.1 CGLO|KAF3799569.1 CHIG|XP\_018154563.1 CVIN|KAF4926516.1 CVYL|A13428 FGRM|XP\_011323705.1 MGRA|XP\_003855257.1 MLAR|XP\_007410662.1 MORY|QBZ61075.1 NCRA|XP\_957181.3 SSCL|APA05612.1

>Orthogroup2911: ANID|CBF80886.1 BCIN|XP\_024546977.1 BGRA|VDB93693.1 CFRU|XP\_031877995.1 CGLO|KAF3799614.1 CHIG|XP\_018154614.1 CVIN|KAF4926450.1 CVYL|A13476 FGRM|XP\_011316550.1 MGRA|XP\_003854856.1 MLAR|XP\_007418173.1 MORY|QBZ54303.1 NCRA|XP\_963372.2 SSCL|APA05956.1

>Orthogroup2912: ANID|CBF80890.1 BCIN|XP\_001558870.1 BGRA|VDB93800.1 CFRU|XP\_031883365.1 CGLO|KAF3800552.1 CHIG|XP\_018152132.1 CVIN|KAF4923816.1 CVYL|A13165 FGRM|XP\_011315966.1 MGRA|XP\_003854862.1 MLAR|XP\_007409934.1 MORY|QBZ60312.1 NCRA|XP\_956027.1 SSCL|APA05773.1

>Orthogroup2913: ANID|CBF80896.1 BCIN|XP\_001558873.1 BGRA|VDB93774.1 CFRU|XP\_031883358.1 CGLO|KAF3800554.1 CHIG|XP\_018152134.1 CVIN|KAF4923818.1 CVYL|A13163 FGRM|XP\_011315968.1 MGRA|XP\_003855472.1 MLAR|XP\_007405602.1 MORY|QBZ60308.1 NCRA|XP\_956911.1 SSCL|APA05775.1

>Orthogroup2914: ANID|CBF80900.1 BCIN|XP\_001558830.1 BGRA|VDB93792.1 CFRU|XP\_031883403.1 CGLO|KAF3800581.1 CHIG|XP\_018152099.1 CVIN|KAF4927060.1 CVYL|A13134 FGRM|XP\_011325671.1 MGRA|XP\_003855092.1 MLAR|XP\_007407797.1 MORY|QBZ62123.1 NCRA|XP\_956250.1 SSCL|APA05982.1

>Orthogroup2915: ANID|CBF80901.1 BCIN|XP\_001558829.1 BGRA|VDB93790.1 CFRU|XP\_031883341.1 CGLO|KAF3800580.1 CHIG|XP\_018152100.1 CVIN|KAF4927059.1 CVYL|A13135 FGRM|XP\_011325672.1 MGRA|XP\_003855403.1 MLAR|XP\_007407063.1 MORY|QBZ62124.1 NCRA|XP\_956253.3 SSCL|APA05981.1

>Orthogroup2916: ANID|CBF80905.1 BCIN|XP\_024546956.1 BGRA|VDB93782.1 CFRU|XP\_031883254.1 CGLO|KAF3800544.1 CHIG|XP\_018152140.1 CVIN|KAF4923798.1 CVYL|A13172 FGRM|XP\_011321218.1 MGRA|XP\_003855218.1 MLAR|XP\_007406623.1 MORY|QBZ60316.1 NCRA|XP\_956902.3 SSCL|APA05995.1

>Orthogroup2917: ANID|CBF80920.1 BCIN|XP\_001558836.1 BGRA|VDB93801.1 CFRU|XP\_031881744.1 CGLO|KAF3800618.1 CHIG|XP\_018152061.1 CVIN|KAF4918180.1 CVYL|A13099 FGRM|XP\_011316338.1 MGRA|XP\_003848926.1 MLAR|XP\_007411038.1 MORY|QBZ60997.1 NCRA|XP\_956124.1 SSCL|APA05988.1

>Orthogroup2918: ANID|CBF80924.1 BCIN|XP\_024553302.1 BGRA|VDB93825.1 CFRU|XP\_031883351.1 CGLO|KAF3800558.1 CHIG|XP\_018152115.1 CVIN|KAF4923786.1 CVYL|A13159 FGRM|XP\_011317237.1 MGRA|XP\_003848815.1 MLAR|XP\_007411140.1 MORY|QBZ57293.1 NCRA|XP\_011393499.1 SSCL|APA13519.1

>Orthogroup2919: ANID|CBF80935.1 BCIN|XP\_001558825.1 BGRA|VDB93841.1 CFRU|XP\_031885352.1 CGLO|KAF3799455.1 CHIG|XP\_018154443.1 CVIN|KAF4931797.1 CVYL|A13316 FGRM|XP\_011325518.1 MGRA|XP\_003849174.1 MLAR|XP\_007415176.1 MORY|QBZ54369.1 NCRA|XP\_963155.1 SSCL|APA05978.1

>Orthogroup2920: ANID|CBF80938.1 BCIN|XP\_024550318.1 BGRA|VDB84167.1 CFRU|XP\_031891305.1 CGLO|KAF3797387.1 CHIG|XP\_018157120.1 CVIN|KAF4929390.1 CVYL|A10297 FGRM|XP\_011319910.1 MGRA|XP\_003850378.1 MLAR|XP\_007403971.1 MORY|QBZ66041.1 NCRA|XP\_964915.2 SSCL|APA10984.1

>Orthogroup2921: ANID|CBF80951.1 BCIN|XP\_001556232.1 CFRU|XP\_031890342.1 CGLO|KAF3804884.1 CHIG|XP\_018164384.1 CVIN|KAF4921156.1 CVYL|A12179 FGRM|XP\_011316270.1 MGRA|XP\_003848910.1 MLAR|XP\_007414652.1 MLAR|XP\_007414654.1 MORY|QBZ63920.1 NCRA|XP\_011393258.1 SSCL|APA08988.1

>Orthogroup2922: ANID|CBF80959.1 BCIN|XP\_001545951.1 BGRA|VDB90808.1 CFRU|XP\_031888507.1 CGLO|KAF3803532.1 CHIG|XP\_018164056.1 CVIN|KAF4922273.1 CVYL|A14463 FGRM|XP\_011326769.1 MGRA|XP\_003851318.1 MLAR|XP\_007417128.1 MORY|QBZ62815.1 NCRA|XP\_958879.1 SSCL|APA07042.1

>Orthogroup2923: ANID|CBF80966.1 BCIN|XP\_001549962.1 BGRA|VDB90824.1 CFRU|XP\_031890326.1 CGLO|KAF3804873.1 CHIG|XP\_018164405.1 CVIN|KAF4921154.1 CVYL|A12196 FGRM|XP\_011316821.1 MGRA|XP\_003851187.1 MLAR|XP\_007413366.1 MORY|QBZ63632.1 NCRA|XP\_011393122.1 SSCL|APA06624.1

>Orthogroup2924: ANID|CBF80975.1 BCIN|XP\_001557517.1 BGRA|VDB93936.1 CFRU|XP\_031883334.1 CGLO|KAF3800571.1 CHIG|XP\_018152110.1 CVIN|KAF4927071.1 CVYL|A13144 FGRM|XP\_011317250.1 MGRA|XP\_003849087.1 MLAR|XP\_007416558.1 MORY|QBZ60325.1 NCRA|XP\_956039.1 SSCL|APA12603.1

>Orthogroup2925: ANID|CBF80992.1 BCIN|XP\_001558781.1 BGRA|VDB96304.1 CFRU|XP\_031876958.1 CGLO|KAF3810707.1 CHIG|XP\_018162473.1 CVIN|KAF4908241.1 CVYL|A07247 FGRM|XP\_011323992.1 MGRA|XP\_003853984.1 MLAR|XP\_007411150.1 MORY|QBZ61447.1 NCRA|XP\_957122.1 SSCL|APA05245.1

>Orthogroup2926: ANID|CBF80996.1 BCIN|XP\_001547113.1 BGRA|VDB83626.1 CFRU|XP\_031882583.1 CGLO|KAF3803943.1 CHIG|XP\_018151003.1 CVIN|KAF4925160.1 CVYL|A08860 FGRM|XP\_011323845.1 MGRA|XP\_003849170.1 MLAR|XP\_007417202.1 MORY|QBZ56336.1 NCRA|XP\_962509.2 SSCL|APA08396.1

>Orthogroup2927: ANID|CBF81000.1 BCIN|XP\_024552112.1 BGRA|VDB92735.1 CFRU|XP\_031880697.1 CGLO|KAF3809966.1 CHIG|XP\_018161548.1 CVIN|KAF4914192.1 CVYL|A01657 FGRM|XP\_011321386.1 MGRA|XP\_003849168.1 MLAR|XP\_007411555.1 MORY|QBZ65111.1 NCRA|XP\_958709.1 SSCL|APA12945.1

>Orthogroup2928: ANID|CBF81007.1 ANID|CBF85681.1 BCIN|XP\_001556423.2 BGRA|VDB90806.1 CFRU|XP\_031888304.1 CGLO|KAF3803530.1 CHIG|XP\_018164060.1 CVIN|KAF4922275.1 CVYL|A14461 FGRM|XP\_011326766.1 MGRA|XP\_003851285.1 MORY|QBZ62811.1 NCRA|XP\_958476.3 SSCL|APA06582.1

>Orthogroup2929: ANID|CBF81010.1 ANID|CBF85679.1 BCIN|XP\_001548961.2 BGRA|VDB90779.1 CFRU|XP\_031877839.1 CGLO|KAF3806632.1 CHIG|XP\_018164229.1 CVIN|KAF4918916.1 CVYL|A12345 FGRM|XP\_011326738.1 MGRA|XP\_003851123.1 MORY|QBZ62977.1 NCRA|XP\_964040.1 SSCL|APA07035.1

>Orthogroup2930: ANID|CBF81013.1 BCIN|XP\_024551010.1 BGRA|VDB89527.1 CFRU|XP\_031889187.1 CGLO|KAF3808769.1 CHIG|XP\_018155669.1 CVIN|KAF4885136.1 CVYL|A00894 FGRM|XP\_011318981.1 MGRA|XP\_003851311.1 MLAR|XP\_007406379.1 MORY|QBZ54559.1 NCRA|XP\_959205.3 SSCL|APA11921.1

>Orthogroup2931: ANID|CBF81026.1 BCIN|XP\_001560295.2 BGRA|VDB92567.1 CFRU|XP\_031879557.1 CGLO|KAF3802713.1 CHIG|XP\_018151495.1 CVIN|KAF4894054.1 CVYL|A08040 FGRM|XP\_011327260.1 MGRA|XP\_003852881.1 MLAR|XP\_007406103.1 MORY|QBZ56965.1 NCRA|XP\_960030.1 SSCL|APA08833.1

>Orthogroup2932: ANID|CBF81056.1 BCIN|XP\_024549180.1 BGRA|VCU39886.1 CFRU|XP\_031889547.1 CGLO|KAF3810475.1 CHIG|XP\_018159146.1 CVIN|KAF4924671.1 CVYL|A14076 FGRM|XP\_011317184.1 MGRA|XP\_003856204.1 MLAR|XP\_007416678.1 MORY|QBZ56380.1 NCRA|XP\_965675.1 SSCL|APA08749.1

>Orthogroup2933: ANID|CBF81059.1 BCIN|XP\_001555615.1 BGRA|VCU40835.1 CFRU|XP\_031889804.1 CGLO|KAF3810502.1 CHIG|XP\_018159114.1 CVIN|KAF4924677.1 CVYL|A14107 FGRM|XP\_011317195.1 MGRA|XP\_003852756.1 MLAR|XP\_007418623.1 MORY|QBZ56970.1 NCRA|XP\_959268.2 SSCL|APA07316.1

>Orthogroup2934: ANID|CBF81112.1 BCIN|XP\_001560156.1 BGRA|VDB92555.1 CFRU|XP\_031886738.1 CGLO|KAF3806777.1 CHIG|XP\_018158770.1 CVIN|KAF4905649.1 CVYL|A04991 FGRM|XP\_011316367.1 MGRA|XP\_003853041.1 MLAR|XP\_007408686.1 MORY|QBZ60421.1 NCRA|XP\_964961.1 SSCL|APA15863.1

>Orthogroup2935: ANID|CBF81168.1 BCIN|XP\_024546602.1 BGRA|VDB90822.1 CFRU|XP\_031892576.1 CGLO|KAF3803061.1 CHIG|XP\_018153533.1 CVIN|KAF4919845.1 CVYL|A00071 FGRM|XP\_011316127.1 MGRA|XP\_003851081.1 MLAR|XP\_007412534.1 MORY|QBZ63867.1 NCRA|XP\_001727995.2 SSCL|APA06429.1

>Orthogroup2936: ANID|CBF81172.1 BCIN|XP\_024549491.1 BGRA|VDB94999.1 CFRU|XP\_031886976.1 CGLO|KAF3811373.1 CHIG|XP\_018160609.1 CVIN|KAF4921033.1 CVYL|A04565 FGRM|XP\_011327212.1 MGRA|XP\_003850760.1 MLAR|XP\_007417902.1 MORY|QBZ56904.1 NCRA|XP\_961567.1 SSCL|APA09151.1

>Orthogroup2937: ANID|CBF81176.1 BCIN|XP\_001561262.1 BGRA|VDB90541.1 CFRU|XP\_031882771.1 CGLO|KAF3803445.1 CHIG|XP\_018163973.1 CVIN|KAF4926303.1 CVYL|A14373 FGRM|XP\_011316972.1 MGRA|XP\_003851280.1 MLAR|XP\_007404548.1 MORY|QBZ63005.1 NCRA|XP\_957994.3 SSCL|APA07203.1

>Orthogroup2938: ANID|CBF81178.1 BCIN|XP\_001561003.1 BGRA|VDB90772.1 CFRU|XP\_031879819.1 CGLO|KAF3802980.1 CHIG|XP\_018153633.1 CVIN|KAF4929903.1 CVYL|A00412 FGRM|XP\_011316933.1 MGRA|XP\_003850632.1 MLAR|XP\_007408660.1 MORY|QBZ63614.1 NCRA|XP\_963689.1 SSCL|APA06728.1

>Orthogroup2939: ANID|CBF81185.1 BCIN|XP\_001561121.1 BGRA|VDB92487.1 CFRU|XP\_031884196.1 CGLO|KAF3811023.1 CHIG|XP\_018153013.1 CVIN|KAF4918154.1 CVYL|A09756 FGRM|XP\_011324315.1 MGRA|XP\_003850590.1 MLAR|XP\_007412295.1 MORY|QBZ53378.1 NCRA|XP\_964931.2 SSCL|APA07125.1

>Orthogroup2940: ANID|CBF81187.1 BCIN|XP\_001561122.1 BGRA|VDB92485.1 CFRU|XP\_031884141.1 CGLO|KAF3800022.1 CHIG|XP\_018153022.1 CVIN|KAF4926909.1 CVYL|A09782 FGRM|XP\_011324308.1 MGRA|XP\_003851284.1 MLAR|XP\_007418273.1 MORY|QBZ64167.1 NCRA|XP\_964933.1 SSCL|APA07124.1

>Orthogroup2941: ANID|CBF81189.1 BCIN|XP\_001561123.1 BGRA|VDB92483.1 CFRU|XP\_031884142.1 CGLO|KAF3800021.1 CHIG|XP\_018153021.1 CVIN|KAF4926910.1 CVYL|A09783 FGRM|XP\_011324307.1 MGRA|XP\_003850593.1 MLAR|XP\_007417812.1 MORY|QBZ64166.1 NCRA|XP\_964934.1 SSCL|APA07123.1

>Orthogroup2942: ANID|CBF81193.1 BCIN|XP\_001548981.2 BGRA|VDB90773.1 CFRU|XP\_031879859.1 CGLO|KAF3803035.1 CHIG|XP\_018153581.1 CVIN|KAF4929931.1 CVYL|A00047 FGRM|XP\_011317134.1 MGRA|XP\_003850649.1 MLAR|XP\_007412847.1 MORY|QBZ59484.1 NCRA|XP\_962088.2 SSCL|APA07022.1

>Orthogroup2943: ANID|CBF81194.1 BCIN|XP\_001548980.1 BGRA|VDB90787.1 CFRU|XP\_031879826.1 CGLO|KAF3803034.1 CHIG|XP\_018153580.1 CVIN|KAF4929932.1 CVYL|A00045 FGRM|XP\_011317135.1 MGRA|XP\_003850648.1 MLAR|XP\_007411709.1 MORY|QBZ59485.1 NCRA|XP\_962089.1 SSCL|APA07023.1

>Orthogroup2944: ANID|CBF81198.1 BCIN|XP\_001561260.1 BGRA|VDB90567.1 CFRU|XP\_031888555.1 CGLO|KAF3803601.1 CHIG|XP\_018163864.1 CVIN|KAF4920388.1 CVYL|A14536 FGRM|XP\_011316779.1 MGRA|XP\_003850762.1 MLAR|XP\_007416067.1 MORY|QBZ63003.1 NCRA|XP\_957992.2 SSCL|APA07205.1

>Orthogroup2945: ANID|CBF81213.1 BCIN|XP\_001561306.1 BGRA|VDB90746.1 CFRU|XP\_031890529.1 CGLO|KAF3804864.1 CHIG|XP\_018164396.1 CVIN|KAF4921175.1 CVYL|A12207 FGRM|XP\_011316300.1 MGRA|XP\_003850665.1 MLAR|XP\_007409922.1 MORY|QBZ55297.1 NCRA|XP\_964276.1 SSCL|APA06856.1

>Orthogroup2946: ANID|CBF81290.1 BCIN|XP\_001561266.1 CFRU|XP\_031879822.1 CGLO|KAF3803036.1 CHIG|XP\_018153582.1 CVIN|KAF4929934.1 CVYL|A00048 FGRM|XP\_011317133.1 MGRA|XP\_003850652.1 MLAR|XP\_007403985.1 MLAR|XP\_007407768.1 MORY|QBZ59483.1 NCRA|XP\_962087.1 SSCL|APA07200.1

>Orthogroup2947: ANID|CBF81301.1 BCIN|XP\_024548309.1 BGRA|VCU40977.1 CFRU|XP\_031892559.1 CGLO|KAF3809144.1 CHIG|XP\_018155952.1 CVIN|KAF4922108.1 CVYL|A01329 FGRM|XP\_011319183.1 MGRA|XP\_003848062.1 MLAR|XP\_007408709.1 MORY|QBZ56121.1 NCRA|XP\_958841.2 SSCL|APA12558.1

>Orthogroup2948: ANID|CBF81316.1 BCIN|XP\_001557210.2 BGRA|VCU40434.1 CFRU|XP\_031886188.1 CGLO|KAF3801126.1 CHIG|XP\_018155236.1 CVIN|KAF4930389.1 CVYL|A05718 FGRM|XP\_011317468.1 MGRA|XP\_003847980.1 MLAR|XP\_007410293.1 MORY|QBZ60913.1 NCRA|XP\_963243.1 SSCL|APA12502.1

>Orthogroup2949: ANID|CBF81333.1 BCIN|XP\_001557800.1 BGRA|VCU41339.1 CFRU|XP\_031878010.1 CGLO|KAF3799595.1 CHIG|XP\_018154590.1 CVIN|KAF4926456.1 CVYL|A13456 FGRM|XP\_011323713.1 MGRA|XP\_003848074.1 MLAR|XP\_007408658.1 MORY|QBZ61081.1 NCRA|XP\_957190.3 SSCL|APA12144.1

>Orthogroup2950: ANID|CBF81335.1 BCIN|XP\_001557801.1 BGRA|VCU41338.1 CFRU|XP\_031881321.1 CGLO|KAF3802509.1 CHIG|XP\_018154814.1 CVIN|KAF4919021.1 CVYL|A02101 FGRM|XP\_011325540.1 MGRA|XP\_003848058.1 MLAR|XP\_007406572.1 MORY|QBZ53784.1 NCRA|XP\_956302.1 SSCL|APA12143.1

>Orthogroup2951: ANID|CBF81341.1 BCIN|XP\_024548366.1 BGRA|VDB93231.1 CFRU|XP\_031889206.1 CGLO|KAF3808789.1 CHIG|XP\_018155695.1 CVIN|KAF4906825.1 CVYL|A00876 FGRM|XP\_011319336.1 MGRA|XP\_003847966.1 MLAR|XP\_007408544.1 MORY|QBZ58938.1 NCRA|XP\_960683.2 SSCL|APA12348.1

>Orthogroup2952: ANID|CBF81345.1 BCIN|XP\_001551082.2 BGRA|VDB83774.1 CFRU|XP\_031892042.1 CGLO|KAF3801419.1 CHIG|XP\_018164745.1 CVIN|KAF4922332.1 CVYL|A07666 FGRM|XP\_011324963.1 MGRA|XP\_003848619.1 MLAR|XP\_007412928.1 MORY|QBZ64377.1 NCRA|XP\_001727992.2 SSCL|APA14259.1

>Orthogroup2953: ANID|CBF81347.1 BCIN|XP\_024547195.1 BGRA|VDB83750.1 CFRU|XP\_031877306.1 CGLO|KAF3799869.1 CHIG|XP\_018153823.1 CVIN|KAF4921713.1 CVYL|A09648 FGRM|XP\_011325432.1 MGRA|XP\_003848355.1 MLAR|XP\_007416895.1 MORY|QBZ59974.1 NCRA|XP\_955943.1 SSCL|APA14122.1

>Orthogroup2954: ANID|CBF81350.1 BCIN|XP\_024547263.1 BGRA|VDB83778.1 CFRU|XP\_031892073.1 CGLO|KAF3801416.1 CHIG|XP\_018164743.1 CVIN|KAF4922328.1 CVYL|A07670 FGRM|XP\_011324960.1 MGRA|XP\_003848545.1 MLAR|XP\_007410851.1 MORY|QBZ60870.1 NCRA|XP\_958939.1 SSCL|APA14226.1

>Orthogroup2955: ANID|CBF81354.1 BCIN|XP\_001554333.1 BGRA|VCU39343.1 CFRU|XP\_031882006.1 CGLO|KAF3806140.1 CHIG|XP\_018164521.1 CVIN|KAF4907017.1 CVYL|A07367 FGRM|XP\_011325006.1 MGRA|XP\_003848463.1 MLAR|XP\_007415957.1 MORY|QBZ62363.1 NCRA|XP\_959966.1 SSCL|APA14416.1

>Orthogroup2956: ANID|CBF81367.1 BCIN|XP\_024547322.1 BGRA|VDB88924.1 CFRU|XP\_031882120.1 CGLO|KAF3806103.1 CHIG|XP\_018164574.1 CVIN|KAF4902332.1 CVYL|A07410 FGRM|XP\_011325003.1 MGRA|XP\_003851529.1 MLAR|XP\_007407089.1 MORY|QBZ62377.1 NCRA|XP\_959553.1 SSCL|APA14289.1

>Orthogroup2957: ANID|CBF81369.1 BCIN|XP\_024547323.1 BGRA|VDB88922.1 CFRU|XP\_031891842.1 CGLO|KAF3800153.1 CHIG|XP\_018165084.1 CVIN|KAF4925859.1 CVYL|A06847 FGRM|XP\_011327695.1 MGRA|XP\_003851528.1 MLAR|XP\_007405433.1 MORY|QBZ60652.1 NCRA|XP\_955935.1 SSCL|APA14288.1

>Orthogroup2958: ANID|CBF81376.1 BCIN|XP\_001546372.1 BGRA|VDB88198.1 CFRU|XP\_031877742.1 CGLO|KAF3797361.1 CHIG|XP\_018157149.1 CVIN|KAF4929378.1 CVYL|A10328 FGRM|XP\_011320090.1 MGRA|XP\_003853359.1 MLAR|XP\_007416889.1 MORY|QBZ65947.1 NCRA|XP\_964621.1 SSCL|APA12028.1

>Orthogroup2959: ANID|CBF81383.1 BCIN|XP\_001549338.2 BGRA|VDB91198.1 CFRU|XP\_031879183.1 CGLO|KAF3807077.1 CHIG|XP\_018159738.1 CVIN|KAF4919049.1 CVYL|A06371 FGRM|XP\_011320690.1 MGRA|XP\_003854644.1 MLAR|XP\_007411668.1 MORY|QBZ63987.1 NCRA|XP\_960568.1 SSCL|APA06398.1

>Orthogroup2960: ANID|CBF81391.1 BCIN|XP\_024546477.1 BGRA|VDB95180.1 CFRU|XP\_031878079.1 CGLO|KAF3801817.1 CHIG|XP\_018159326.1 CVIN|KAF4917003.1 CVYL|A12890 FGRM|XP\_011320655.1 MLAR|XP\_007406972.1 MLAR|XP\_007411732.1 MORY|QBZ63312.1 NCRA|XP\_960550.2 SSCL|APA06768.1

>Orthogroup2961: ANID|CBF81427.1 BCIN|XP\_024546637.1 BGRA|VDB90547.1 CFRU|XP\_031884284.1 CGLO|KAF3799982.1 CHIG|XP\_018152994.1 CVIN|KAF4926876.1 CVYL|A10202 FGRM|XP\_011324316.1 MGRA|XP\_003851091.1 MLAR|XP\_007415361.1 MORY|QBZ64130.1 NCRA|XP\_011392830.1 SSCL|APA06470.1

>Orthogroup2962: ANID|CBF81433.1 BCIN|XP\_001550622.1 BGRA|VDB88978.1 CFRU|XP\_031882070.1 CGLO|KAF3806001.1 CHIG|XP\_018164648.1 CVIN|KAF4925704.1 CVYL|A07513 FGRM|XP\_011324994.1 MGRA|XP\_003848420.1 MLAR|XP\_007417262.1 MORY|QBZ62329.1 NCRA|XP\_959924.1 SSCL|APA14137.1

>Orthogroup2963: ANID|CBF81435.1 BCIN|XP\_024547208.1 BGRA|VDB88980.1 CFRU|XP\_031882069.1 CGLO|KAF3806000.1 CHIG|XP\_018164647.1 CVIN|KAF4925711.1 CVYL|A07514 FGRM|XP\_011324709.1 MGRA|XP\_003848265.1 MLAR|XP\_007413960.1 MORY|QBZ62330.1 NCRA|XP\_959925.2 SSCL|APA14136.1

>Orthogroup2964: ANID|CBF81444.1 BCIN|XP\_001554555.1 BGRA|VCU40839.1 CFRU|XP\_031889253.1 CGLO|KAF3808718.1 CHIG|XP\_018155546.1 CVIN|KAF4929565.1 CVYL|A00942 FGRM|XP\_011319273.1 MGRA|XP\_003856015.1 MLAR|XP\_007404460.1 MORY|QBZ59254.1 NCRA|XP\_958040.2 SSCL|APA11907.1

>Orthogroup2965: ANID|CBF81460.1 BCIN|XP\_024548172.1 CFRU|XP\_031882451.1 CFRU|XP\_031882515.1 CGLO|KAF3809404.1 CHIG|XP\_018156262.1 CVIN|KAF4916418.1 CVYL|A03071 FGRM|XP\_011318929.1 FGRM|XP\_011325818.1 MGRA|XP\_003856137.1 MORY|QBZ62163.1 NCRA|XP\_956551.2 SSCL|APA12423.1

>Orthogroup2966: ANID|CBF81484.1 BCIN|XP\_001560604.1 BGRA|VDB94562.1 CFRU|XP\_031891033.1 CGLO|KAF3801599.1 CHIG|XP\_018151364.1 CVIN|KAF4922681.1 CVYL|A12536 FGRM|XP\_011328216.1 MGRA|XP\_003854437.1 MLAR|XP\_007415113.1 MORY|QBZ59064.1 NCRA|XP\_960422.1 SSCL|APA07920.1

>Orthogroup2967: ANID|CBF81503.1 BCIN|XP\_001546253.1 BGRA|VDB93333.1 CFRU|XP\_031882512.1 CGLO|KAF3809434.1 CHIG|XP\_018156284.1 CVIN|KAF4921378.1 CVYL|A03104 FGRM|XP\_011319046.1 MGRA|XP\_003856066.1 MLAR|XP\_007410768.1 MORY|QBZ62547.1 NCRA|XP\_960626.1 SSCL|APA12532.1

>Orthogroup2968: ANID|CBF81519.1 BCIN|XP\_001549682.1 BGRA|VDB94845.1 CFRU|XP\_031885644.1 CGLO|KAF3810269.1 CHIG|XP\_018157925.1 CVIN|KAF4918595.1 CVYL|A02871 FGRM|XP\_011328519.1 MGRA|XP\_003854480.1 MLAR|XP\_007410853.1 MORY|QBZ62616.1 NCRA|XP\_957659.1 SSCL|APA11392.1

>Orthogroup2969: ANID|CBF81523.1 BCIN|XP\_024547761.1 BGRA|VDB90439.1 CFRU|XP\_031883303.1 CGLO|KAF3801697.1 CHIG|XP\_018159214.1 CVIN|KAF4915643.1 CVYL|A13001 FGRM|XP\_011320276.1 MGRA|XP\_003853997.1 MLAR|XP\_007415804.1 MORY|QBZ55467.1 NCRA|XP\_960410.1 SSCL|APA08019.1

>Orthogroup2970: ANID|CBF81529.1 BCIN|XP\_001550226.2 CFRU|XP\_031881209.1 CGLO|KAF3802476.1 CHIG|XP\_018154776.1 CHIG|XP\_018154777.1 CVIN|KAF4916879.1 CVYL|A02068 FGRM|XP\_011321229.1 MGRA|XP\_003856407.1 MLAR|XP\_007414082.1 MORY|QBZ62083.1 NCRA|XP\_956959.1 SSCL|APA16335.1

>Orthogroup2971: ANID|CBF81540.1 BCIN|XP\_001560763.2 BGRA|VDB90445.1 CFRU|XP\_031883265.1 CGLO|KAF3801731.1 CHIG|XP\_018159246.1 CVIN|KAF4922911.1 CVYL|A12970 FGRM|XP\_011320277.1 MGRA|XP\_003854010.1 MLAR|XP\_007416888.1 MORY|QBZ62851.1 NCRA|XP\_960153.2 SSCL|APA08018.1

>Orthogroup2972: ANID|CBF81555.1 BCIN|XP\_024548068.1 BGRA|VDB83895.1 CFRU|XP\_031892382.1 CGLO|KAF3809136.1 CHIG|XP\_018154764.1 CVIN|KAF4922112.1 CVYL|A01320 FGRM|XP\_011324661.1 MGRA|XP\_003855519.1 MLAR|XP\_007418372.1 MORY|QBZ66190.1 NCRA|XP\_965396.1 SSCL|APA12760.1

>Orthogroup2973: ANID|CBF81592.1 BCIN|XP\_001555455.1 BGRA|VDB94560.1 CFRU|XP\_031885575.1 CGLO|KAF3810258.1 CHIG|XP\_018157936.1 CVIN|KAF4918604.1 CVYL|A02861 FGRM|XP\_011328234.1 MGRA|XP\_003853693.1 MLAR|XP\_007410980.1 MORY|QBZ56072.1 NCRA|XP\_011394986.1 SSCL|APA08173.1

>Orthogroup2974: ANID|CBF81601.1 BCIN|XP\_024548590.1 BGRA|VDB89891.1 CFRU|XP\_031891092.1 CGLO|KAF3811750.1 CHIG|XP\_018151789.1 CVIN|KAF4923015.1 CVYL|A12765 FGRM|XP\_011319503.1 MGRA|XP\_003853767.1 MLAR|XP\_007411369.1 MORY|QBZ61938.1 NCRA|XP\_959830.3 SSCL|APA10003.1

>Orthogroup2975: ANID|CBF81608.1 BCIN|XP\_024548762.1 BGRA|VDB89564.1 CFRU|XP\_031879505.1 CGLO|KAF3802383.1 CHIG|XP\_018154697.1 CVIN|KAF4922170.1 CVYL|A13526 FGRM|XP\_011317284.1 MGRA|XP\_003853996.1 MLAR|XP\_007414643.1 MORY|QBZ64825.1 NCRA|XP\_956468.3 SSCL|APA09721.1

>Orthogroup2976: ANID|CBF81629.1 BCIN|XP\_001552063.2 BGRA|VDB89351.1 CFRU|XP\_031880145.1 CGLO|KAF3797744.1 CHIG|XP\_018151702.1 CVIN|KAF4917553.1 CVYL|A11409 FGRM|XP\_011319524.1 MGRA|XP\_003854530.1 MLAR|XP\_007410906.1 MORY|QBZ61244.1 NCRA|XP\_960097.1 SSCL|APA09996.1

>Orthogroup2977: ANID|CBF81630.1 BCIN|XP\_001552056.1 BGRA|VCU40444.1 CFRU|XP\_031880092.1 CGLO|KAF3811822.1 CHIG|XP\_018151741.1 CVIN|KAF4924892.1 CVYL|A12825 FGRM|XP\_011319520.1 MGRA|XP\_003854199.1 MLAR|XP\_007410773.1 MORY|QBZ63060.1 NCRA|XP\_958220.1 SSCL|APA10000.1

>Orthogroup2978: ANID|CBF81638.1 BCIN|XP\_024548834.1 BGRA|VDB89575.1 CFRU|XP\_031880034.1 CGLO|KAF3811788.1 CHIG|XP\_018151713.1 CVIN|KAF4907649.1 CVYL|A12793 FGRM|XP\_011321147.1 MGRA|XP\_003853770.1 MLAR|XP\_007417061.1 MORY|QBZ63139.1 NCRA|XP\_959486.3 SSCL|APA09601.1

>Orthogroup2979: ANID|CBF81645.1 BCIN|XP\_001559852.1 BGRA|VDB89568.1 CFRU|XP\_031885391.1 CGLO|KAF3799437.1 CHIG|XP\_018152314.1 CVIN|KAF4931805.1 CVYL|A13299 FGRM|XP\_011315945.1 MGRA|XP\_003847737.1 MLAR|XP\_007415336.1 MORY|QBZ64800.1 NCRA|XP\_956052.2 SSCL|APA09713.1

>Orthogroup2980: ANID|CBF81691.1 BCIN|XP\_024552569.1 BGRA|VDB87655.1 CFRU|XP\_031884231.1 CGLO|KAF3811053.1 CHIG|XP\_018153129.1 CVIN|KAF4918139.1 CVYL|A09737 FGRM|XP\_011322026.1 MGRA|XP\_003856947.1 MLAR|XP\_007405892.1 MORY|QBZ62845.1 NCRA|XP\_960435.2 SSCL|APA08689.1

>Orthogroup2981: ANID|CBF81715.1 BCIN|XP\_001558406.1 CFRU|XP\_031882717.1 CGLO|KAF3803395.1 CHIG|XP\_018163936.1 CVIN|KAF4918409.1 CVYL|A14325 FGRM|XP\_011316149.1 MGRA|XP\_003853405.1 MGRA|XP\_003857093.1 MLAR|XP\_007410627.1 MORY|QBZ56012.1 NCRA|XP\_965305.1 SSCL|APA06290.1

>Orthogroup2982: ANID|CBF81719.1 BCIN|XP\_001558479.1 BGRA|VDB94986.1 CFRU|XP\_031883993.1 CGLO|KAF3805143.1 CHIG|XP\_018163370.1 CVIN|KAF4927409.1 CVYL|A06413 FGRM|XP\_011321684.1 MGRA|XP\_003857440.1 MLAR|XP\_007414616.1 MORY|QBZ63278.1 NCRA|XP\_956916.1 SSCL|APA14714.1

>Orthogroup2983: ANID|CBF81724.1 BCIN|XP\_001560947.1 BGRA|VCU40606.1 CFRU|XP\_031889201.1 CGLO|KAF3803168.1 CHIG|XP\_018155507.1 CVIN|KAF4928346.1 CVYL|A01055 FGRM|XP\_011318125.1 MGRA|XP\_003857064.1 MLAR|XP\_007416826.1 MORY|QBZ56814.1 NCRA|XP\_957647.1 SSCL|APA06679.1

>Orthogroup2984: ANID|CBF81734.1 BCIN|XP\_024547217.1 BGRA|VDB89066.1 CFRU|XP\_031877628.1 CGLO|KAF3801067.1 CHIG|XP\_018153713.1 CVIN|KAF4902052.1 CVYL|A00113 FGRM|XP\_011327836.1 MGRA|XP\_003851823.1 MLAR|XP\_007406357.1 MORY|QBZ60559.1 NCRA|XP\_011395169.1 SSCL|APA14141.1

>Orthogroup2985: ANID|CBF81738.1 BCIN|XP\_001551017.1 BGRA|VDB88929.1 CFRU|XP\_031877622.1 CGLO|KAF3801099.1 CHIG|XP\_018153750.1 CVIN|KAF4909550.1 CVYL|A11296 FGRM|XP\_011327809.1 MGRA|XP\_003851474.1 MLAR|XP\_007411906.1 MORY|QBZ60575.1 NCRA|XP\_959773.1 SSCL|APA14294.1

>Orthogroup2986: ANID|CBF81739.1 BCIN|XP\_024547185.1 BGRA|VCU40056.1 CFRU|XP\_031877611.1 CGLO|KAF3801077.1 CHIG|XP\_018153725.1 CVIN|KAF4892468.1 CVYL|A00002 FGRM|XP\_011327797.1 MGRA|XP\_003848275.1 MLAR|XP\_007406581.1 MORY|QBZ60614.1 NCRA|XP\_959785.1 SSCL|APA14113.1

>Orthogroup2987: ANID|CBF81746.1 BCIN|XP\_001545785.1 BGRA|VCU38882.1 BGRA|VDB88370.1 CFRU|XP\_031877664.1 CGLO|KAF3801060.1 CHIG|XP\_018153706.1 CVIN|KAF4912159.1 CVYL|A00179 FGRM|XP\_011327828.1 MGRA|XP\_003851909.1 MORY|QBZ59015.1 NCRA|XP\_959601.1 SSCL|APA13426.1

>Orthogroup2988: ANID|CBF81796.1 BCIN|XP\_001552345.1 BGRA|VDB94000.1 CFRU|XP\_031885846.1 CGLO|KAF3810165.1 CHIG|XP\_018157784.1 CVIN|KAF4929155.1 CVYL|A02757 FGRM|XP\_011320316.1 MGRA|XP\_003854290.1 MLAR|XP\_007414765.1 MORY|QBZ62132.1 NCRA|XP\_958636.1 SSCL|APA11176.1

>Orthogroup2989: ANID|CBF81800.1 BCIN|XP\_024548900.1 BGRA|VDB84121.1 CFRU|XP\_031890414.1 CGLO|KAF3805257.1 CHIG|XP\_018158819.1 CVIN|KAF4918682.1 CVYL|A13906 FGRM|XP\_011317314.1 MGRA|XP\_003852797.1 MLAR|XP\_007411049.1 MORY|QBZ60371.1 NCRA|XP\_011393191.1 SSCL|APA09383.1

>Orthogroup2990: ANID|CBF81813.1 ANID|CBF84355.1 BCIN|XP\_001559392.1 CFRU|XP\_031878105.1 CGLO|KAF3801867.1 CHIG|XP\_018159343.1 CVIN|KAF4901945.1 CVYL|A02309 FGRM|XP\_011317522.1 MGRA|XP\_003852572.1 MGRA|XP\_003854059.1 MORY|QBZ54179.1 NCRA|XP\_962651.1 SSCL|APA07683.1

>Orthogroup2991: ANID|CBF81819.1 BCIN|XP\_024548901.1 BGRA|VDB84127.1 CFRU|XP\_031890415.1 CGLO|KAF3805258.1 CHIG|XP\_018158818.1 CVIN|KAF4918681.1 CVYL|A13907 FGRM|XP\_011317313.1 MGRA|XP\_003848017.1 MLAR|XP\_007406442.1 MORY|QBZ60372.1 NCRA|XP\_965247.1 SSCL|APA09382.1

>Orthogroup2992: ANID|CBF81826.1 BCIN|XP\_024546370.1 BGRA|VDB90860.1 CFRU|XP\_031890455.1 CGLO|KAF3804947.1 CHIG|XP\_018164453.1 CVIN|KAF4910227.1 CVYL|A12106 FGRM|XP\_011316862.1 MGRA|XP\_003856113.1 MLAR|XP\_007408741.1 MORY|QBZ54732.1 NCRA|XP\_011393267.1 SSCL|APA06843.1

>Orthogroup2993: ANID|CBF81828.1 BCIN|XP\_001561296.1 BGRA|VDB90837.1 CFRU|XP\_031890596.1 CGLO|KAF3804819.1 CHIG|XP\_018164321.1 CVIN|KAF4929830.1 CVYL|A12256 FGRM|XP\_011317046.1 MGRA|XP\_003853503.1 MLAR|XP\_007405119.1 MORY|QBZ54734.1 NCRA|XP\_964259.2 SSCL|APA06841.1

>Orthogroup2994: ANID|CBF81874.1 BCIN|XP\_024546545.1 BGRA|VDB90813.1 CFRU|XP\_031890598.1 CGLO|KAF3804817.1 CHIG|XP\_018164323.1 CVIN|KAF4929821.1 CVYL|A12258 FGRM|XP\_011317048.1 MGRA|XP\_003857523.1 MLAR|XP\_007403498.1 MORY|QBZ54736.1 NCRA|XP\_964262.1 SSCL|APA06716.1

>Orthogroup2995: ANID|CBF81885.1 BCIN|XP\_024551351.1 BGRA|VDB89122.1 CFRU|XP\_031878378.1 CGLO|KAF3810772.1 CHIG|XP\_018162543.1 CVIN|KAF4932004.1 CVYL|A07181 FGRM|XP\_011326983.1 MGRA|XP\_003855262.1 MLAR|XP\_007414305.1 MORY|QBZ61353.1 NCRA|XP\_011393827.1 SSCL|APA10509.1

>Orthogroup2996: ANID|CBF81901.1 BCIN|XP\_001557448.1 BGRA|VCU41027.1 CFRU|XP\_031877175.1 CGLO|KAF3806412.1 CHIG|XP\_018162295.1 CVIN|KAF4923262.1 CVYL|A12005 FGRM|XP\_011326559.1 MGRA|XP\_003855665.1 MLAR|XP\_007411725.1 MORY|QBZ63911.1 NCRA|XP\_956795.1 SSCL|APA10656.1

>Orthogroup2997: ANID|CBF81904.1 BCIN|XP\_001557449.1 BGRA|VCU41030.1 CFRU|XP\_031877172.1 CGLO|KAF3806413.1 CHIG|XP\_018162296.1 CVIN|KAF4923261.1 CVYL|A12006 FGRM|XP\_011326558.1 MGRA|XP\_003855088.1 MLAR|XP\_007414719.1 MORY|QBZ63912.1 NCRA|XP\_956794.2 SSCL|APA10655.1

>Orthogroup2998: ANID|CBF81977.1 BCIN|XP\_001547253.1 CFRU|XP\_031888197.1 CFRU|XP\_031893481.1 CGLO|KAF3802085.1 CGLO|KAF3809611.1 CHIG|XP\_018154235.1 CVIN|KAF4917962.1 CVIN|KAF4919191.1 CVYL|A03302 CVYL|A08431 FGRM|XP\_011319609.1 FGRM|XP\_011319721.1 SSCL|APA07388.1

>Orthogroup2999: ANID|CBF82045.1 BCIN|XP\_024549516.1 BGRA|VDB86321.1 CFRU|XP\_031890085.1 CGLO|KAF3798734.1 CHIG|XP\_018151259.1 CVIN|KAF4903212.1 CVYL|A09176 FGRM|XP\_011328075.1 MGRA|XP\_003851900.1 MLAR|XP\_007408854.1 MORY|QBZ55233.1 NCRA|XP\_962117.1 SSCL|APA09125.1

>Orthogroup3000: ANID|CBF82067.1 BCIN|XP\_001559113.1 BGRA|VDB94011.1 CFRU|XP\_031887594.1 CGLO|KAF3811638.1 CHIG|XP\_018160913.1 CVIN|KAF4921459.1 CVYL|A03499 FGRM|XP\_011323582.1 MGRA|XP\_003856181.1 MLAR|XP\_007410755.1 MORY|QBZ56596.1 NCRA|XP\_964432.2 SSCL|APA09047.1

>Orthogroup3001: ANID|CBF82072.1 BCIN|XP\_001547369.1 BGRA|VDB83578.1 CFRU|XP\_031893388.1 CGLO|KAF3800850.1 CHIG|XP\_018150844.1 CVIN|KAF4915585.1 CVYL|A11090 FGRM|XP\_011328042.1 MGRA|XP\_003857651.1 MLAR|XP\_007412980.1 MORY|QBZ57982.1 NCRA|XP\_962489.1 SSCL|APA09255.1

>Orthogroup3002: ANID|CBF82075.1 BCIN|XP\_001558373.1 CFRU|XP\_031893379.1 CGLO|KAF3800849.1 CHIG|XP\_018150843.1 CVIN|KAF4915584.1 CVYL|A11089 FGRM|XP\_011326150.1 MLAR|XP\_007406348.1 MLAR|XP\_007408610.1 MORY|QBZ57981.1 MORY|QBZ64022.1 NCRA|XP\_962490.1 SSCL|APA13752.1

>Orthogroup3003: ANID|CBF82138.1 BCIN|XP\_024546568.1 CFRU|XP\_031883915.1 CGLO|KAF3797454.1 CGLO|KAF3807923.1 CHIG|XP\_018163548.1 CVIN|KAF4905674.1 CVYL|A09888 FGRM|XP\_011327593.1 MGRA|XP\_003854537.1 MGRA|XP\_003855344.1 MLAR|XP\_007404976.1 MORY|QBZ63270.1 SSCL|APA06779.1

>Orthogroup3004: ANID|CBF82263.1 BCIN|XP\_001560593.1 CFRU|XP\_031876832.1 CFRU|XP\_031888756.1 CGLO|KAF3797950.1 CGLO|KAF3804159.1 CHIG|XP\_018150740.1 CHIG|XP\_018160002.1 CVIN|KAF4918399.1 CVYL|A03830 FGRM|XP\_011317581.1 MGRA|XP\_003848993.1 MGRA|XP\_003854233.1 SSCL|APA07913.1

>Orthogroup3005: ANID|CBF82425.1 BCIN|XP\_024552309.1 BGRA|VDB92845.1 CFRU|XP\_031878863.1 CGLO|KAF3802632.1 CHIG|XP\_018161290.1 CVIN|KAF4921640.1 CVYL|A01926 FGRM|XP\_011318493.1 MGRA|XP\_003849162.1 MLAR|XP\_007406014.1 MORY|QBZ65086.1 NCRA|XP\_962442.1 SSCL|APA13264.1

>Orthogroup3006: ANID|CBF82451.1 BCIN|XP\_024546171.1 BGRA|VDB90680.1 CFRU|XP\_031890638.1 CGLO|KAF3804922.1 CHIG|XP\_018164420.1 CVIN|KAF4919425.1 CVYL|A12134 FGRM|XP\_011316200.1 MGRA|XP\_003855885.1 MLAR|XP\_007412848.1 MORY|QBZ56461.1 NCRA|XP\_964453.2 SSCL|APA07058.1

>Orthogroup3007: ANID|CBF82453.1 ANID|CBF85190.1 BCIN|XP\_001551000.1 BGRA|VDB86374.1 CFRU|XP\_031888497.1 CGLO|KAF3803719.1 CHIG|XP\_018163726.1 CVIN|KAF4928495.1 CVYL|A14655 FGRM|XP\_011316831.1 FGRM|XP\_011326209.1 MORY|QBZ54583.1 NCRA|XP\_965656.1 SSCL|APA07056.1

>Orthogroup3008: ANID|CBF82490.1 ANID|CBF83523.1 BCIN|XP\_024547047.1 CFRU|XP\_031886290.1 CGLO|KAF3806182.1 CHIG|XP\_018162167.1 CVIN|KAF4931554.1 CVYL|A11770 MGRA|XP\_003851113.1 MORY|QBZ55796.1 MORY|QBZ62691.1 MORY|QBZ64990.1 NCRA|XP\_957763.1 SSCL|APA05235.1

>Orthogroup3009: ANID|CBF82499.1 BCIN|XP\_001559585.1 BGRA|VDB93928.1 CFRU|XP\_031884406.1 CGLO|KAF3810341.1 CHIG|XP\_018158353.1 CVIN|KAF4895353.1 CVYL|A05765 FGRM|XP\_011316489.1 MGRA|XP\_003855833.1 MLAR|XP\_007417579.1 MORY|QBZ55184.1 NCRA|XP\_964380.1 SSCL|APA09569.1

>Orthogroup3010: ANID|CBF82508.1 BCIN|XP\_024552845.1 BGRA|VCU39734.1 CFRU|XP\_031882400.1 CGLO|KAF3807521.1 CHIG|XP\_018156418.1 CVIN|KAF4928929.1 CVYL|A02964 FGRM|XP\_011318610.1 MGRA|XP\_003853498.1 MLAR|XP\_007407978.1 MORY|QBZ63667.1 NCRA|XP\_957106.3 SSCL|APA07602.1

>Orthogroup3011: ANID|CBF82510.1 BCIN|XP\_024552936.1 BGRA|VCU41276.1 CFRU|XP\_031882343.1 CGLO|KAF3807518.1 CHIG|XP\_018156421.1 CVIN|KAF4928930.1 CVYL|A02967 FGRM|XP\_011318612.1 MGRA|XP\_003849635.1 MLAR|XP\_007412328.1 MORY|QBZ63670.1 NCRA|XP\_957103.1 SSCL|APA07552.1

>Orthogroup3012: ANID|CBF82541.1 BCIN|XP\_001551266.1 BGRA|VCU39742.1 CFRU|XP\_031882481.1 CGLO|KAF3807573.1 CHIG|XP\_018156361.1 CVIN|KAF4928957.1 CVYL|A02909 FGRM|XP\_011318945.1 MGRA|XP\_003856002.1 MLAR|XP\_007411647.1 MORY|QBZ63102.1 NCRA|XP\_960789.2 SSCL|APA07546.1

>Orthogroup3013: ANID|CBF82543.1 BCIN|XP\_024552941.1 BGRA|VCU39744.1 CFRU|XP\_031889106.1 CFRU|XP\_031889300.1 CGLO|KAF3803082.1 CHIG|XP\_018155587.1 CVIN|KAF4929634.1 CVYL|A00974 FGRM|XP\_011321123.1 MGRA|XP\_003853512.1 MORY|QBZ60097.1 NCRA|XP\_011394718.1 SSCL|APA07561.1

>Orthogroup3014: ANID|CBF82545.1 BCIN|XP\_001552848.2 BGRA|VCU41373.1 CFRU|XP\_031888442.1 CGLO|KAF3797800.1 CHIG|XP\_018156475.1 CVIN|KAF4923157.1 CVYL|A03028 FGRM|XP\_011318354.1 MGRA|XP\_003853517.1 MLAR|XP\_007403709.1 MORY|QBZ57797.1 NCRA|XP\_959841.3 SSCL|APA07621.1

>Orthogroup3015: ANID|CBF82549.1 BCIN|XP\_001551280.1 BGRA|VCU41372.1 CFRU|XP\_031887331.1 CGLO|KAF3809393.1 CHIG|XP\_018156234.1 CVIN|KAF4916414.1 CVYL|A02941 FGRM|XP\_011319128.1 MGRA|XP\_003853511.1 MLAR|XP\_007410945.1 MORY|QBZ57429.1 NCRA|XP\_960821.1 SSCL|APA07559.1

>Orthogroup3016: ANID|CBF82558.1 BCIN|XP\_001551271.1 BGRA|VCU41296.1 CFRU|XP\_031889080.1 CGLO|KAF3808697.1 CHIG|XP\_018155561.1 CVIN|KAF4929577.1 CVYL|A00959 FGRM|XP\_011321121.1 MGRA|XP\_003854193.1 MLAR|XP\_007415877.1 MORY|QBZ60103.1 NCRA|XP\_957407.1 SSCL|APA07549.1

>Orthogroup3017: ANID|CBF82562.1 BCIN|XP\_024552932.1 BGRA|VCU41279.1 CFRU|XP\_031889445.1 CGLO|KAF3808694.1 CHIG|XP\_018155557.1 CVIN|KAF4929622.1 CVYL|A00957 FGRM|XP\_011321118.1 MGRA|XP\_003853548.1 MLAR|XP\_007405712.1 MORY|QBZ60102.1 NCRA|XP\_957404.2 SSCL|APA07547.1

>Orthogroup3018: ANID|CBF82564.1 BCIN|XP\_001550341.1 BGRA|VDB84096.1 CFRU|XP\_031890436.1 CGLO|KAF3798140.1 CHIG|XP\_018158630.1 CVIN|KAF4926034.1 CVYL|A13965 FGRM|XP\_011316599.1 MGRA|XP\_003857666.1 MLAR|XP\_007416903.1 MORY|QBZ56089.1 NCRA|XP\_964103.1 SSCL|APA10043.1

>Orthogroup3019: ANID|CBF82576.1 BCIN|XP\_024552926.1 BGRA|VCU39741.1 CFRU|XP\_031882344.1 CGLO|KAF3807529.1 CHIG|XP\_018156408.1 CVIN|KAF4928875.1 CVYL|A02956 FGRM|XP\_011318601.1 MLAR|XP\_007410379.1 MLAR|XP\_007418064.1 MORY|QBZ63654.1 NCRA|XP\_011395197.1 SSCL|APA07540.1

>Orthogroup3020: ANID|CBF82580.1 BCIN|XP\_001553192.1 CFRU|XP\_031882346.1 CGLO|KAF3807531.1 CHIG|XP\_018156406.1 CVIN|KAF4928877.1 CVYL|A02954 FGRM|XP\_011318599.1 MGRA|XP\_003853469.1 MLAR|XP\_007407829.1 MLAR|XP\_007408690.1 MORY|QBZ63651.1 NCRA|XP\_960057.1 SSCL|APA07537.1

>Orthogroup3021: ANID|CBF82585.1 BCIN|XP\_001550336.1 BGRA|VDB84058.1 CFRU|XP\_031890621.1 CGLO|KAF3805305.1 CHIG|XP\_018158624.1 CVIN|KAF4925977.1 CVYL|A13958 FGRM|XP\_011316429.1 MGRA|XP\_003855837.1 MLAR|XP\_007412641.1 MORY|QBZ62604.1 NCRA|XP\_963727.3 SSCL|APA10027.1

>Orthogroup3022: ANID|CBF82593.1 BCIN|XP\_001561287.1 BGRA|VDB90512.1 CFRU|XP\_031882836.1 CGLO|KAF3803429.1 CHIG|XP\_018164116.1 CVIN|KAF4926287.1 CVYL|A14358 FGRM|XP\_011326825.1 MGRA|XP\_003853519.1 MLAR|XP\_007417293.1 MORY|QBZ56420.1 NCRA|XP\_963693.1 SSCL|APA06586.1

>Orthogroup3023: ANID|CBF82595.1 BCIN|XP\_024549440.1 BGRA|VDB90922.1 CFRU|XP\_031880003.1 CGLO|KAF3798996.1 CHIG|XP\_018152906.1 CVIN|KAF4923491.1 CVYL|A07915 FGRM|XP\_011324333.1 MGRA|XP\_003853010.1 MLAR|XP\_007410295.1 MORY|QBZ53523.1 NCRA|XP\_958105.1 SSCL|APA09214.1

>Orthogroup3024: ANID|CBF82605.1 BCIN|XP\_024548942.1 BGRA|VDB83924.1 CFRU|XP\_031884626.1 CGLO|KAF3799778.1 CHIG|XP\_018158221.1 CVIN|KAF4918941.1 CVYL|A11317 FGRM|XP\_011316521.1 MLAR|XP\_007407210.1 MLAR|XP\_007418852.1 MORY|QBZ55907.1 NCRA|XP\_964805.3 SSCL|APA09521.1

>Orthogroup3025: ANID|CBF82615.1 BCIN|XP\_024548643.1 BGRA|VDB83873.1 CFRU|XP\_031890627.1 CGLO|KAF3805289.1 CHIG|XP\_018158608.1 CVIN|KAF4926020.1 CVYL|A13940 FGRM|XP\_011316435.1 MGRA|XP\_003857672.1 MORY|QBZ56096.1 MORY|QBZ65096.1 NCRA|XP\_964984.1 SSCL|APA09960.1

>Orthogroup3026: ANID|CBF82618.1 BCIN|XP\_001548040.1 BGRA|VDB89120.1 CFRU|XP\_031878379.1 CGLO|KAF3810773.1 CHIG|XP\_018162542.1 CVIN|KAF4932059.1 CVYL|A07180 FGRM|XP\_011326982.1 MGRA|XP\_003855198.1 MLAR|XP\_007410120.1 MORY|QBZ61352.1 NCRA|XP\_957281.3 SSCL|APA10510.1

>Orthogroup3027: ANID|CBF82624.1 BCIN|XP\_001551776.2 BGRA|VDB89840.1 CFRU|XP\_031877680.1 CGLO|KAF3797341.1 CHIG|XP\_018157169.1 CVIN|KAF4917649.1 CVYL|A10350 FGRM|XP\_011319871.1 MGRA|XP\_003854915.1 MLAR|XP\_007403910.1 MORY|QBZ65965.1 NCRA|XP\_965816.2 SSCL|APA11963.1

>Orthogroup3028: ANID|CBF82627.1 BCIN|XP\_024547243.1 BGRA|VDB93070.1 CFRU|XP\_031877667.1 CGLO|KAF3796985.1 CHIG|XP\_018153701.1 CVIN|KAF4898629.1 CVYL|A00235 FGRM|XP\_011327823.1 MGRA|XP\_003848628.1 MLAR|XP\_007414728.1 MORY|QBZ60540.1 NCRA|XP\_011395182.1 SSCL|APA14186.1

>Orthogroup3029: ANID|CBF82633.1 BCIN|XP\_001560084.2 BGRA|VDB93279.1 CFRU|XP\_031890229.1 CGLO|KAF3798878.1 CHIG|XP\_018158547.1 CVIN|KAF4925553.1 CVYL|A05075 FGRM|XP\_011316626.1 MGRA|XP\_003854785.1 MLAR|XP\_007407755.1 MORY|QBZ55970.1 NCRA|XP\_965007.1 SSCL|APA09900.1

>Orthogroup3030: ANID|CBF82635.1 BCIN|XP\_001560085.1 BGRA|VDB93298.1 CFRU|XP\_031890032.1 CGLO|KAF3798879.1 CHIG|XP\_018158548.1 CVIN|KAF4925573.1 CVYL|A05074 FGRM|XP\_011316625.1 MGRA|XP\_003855742.1 MLAR|XP\_007403890.1 MORY|QBZ55971.1 NCRA|XP\_965008.1 SSCL|APA09899.1

>Orthogroup3031: ANID|CBF82655.1 BCIN|XP\_001550570.1 BGRA|VDB89068.1 CFRU|XP\_031877634.1 CGLO|KAF3801065.1 CHIG|XP\_018153711.1 CVIN|KAF4902053.1 CVYL|A00135 FGRM|XP\_011327834.1 MGRA|XP\_003848656.1 MLAR|XP\_007412816.1 MORY|QBZ60563.1 NCRA|XP\_959606.1 SSCL|APA14166.1

>Orthogroup3032: ANID|CBF82657.1 BCIN|XP\_024550818.1 BGRA|VCU40897.1 CFRU|XP\_031889292.1 CGLO|KAF3808710.1 CHIG|XP\_018155571.1 CVYL|A00972 FGRM|XP\_011321006.1 MGRA|XP\_003857664.1 MLAR|XP\_007413794.1 MLAR|XP\_007415600.1 MORY|QBZ59033.1 NCRA|XP\_960901.3 SSCL|APA11825.1

>Orthogroup3033: ANID|CBF82659.1 BCIN|XP\_024547351.1 BGRA|VDB88912.1 CFRU|XP\_031891838.1 CGLO|KAF3800157.1 CHIG|XP\_018165089.1 CVIN|KAF4925834.1 CVYL|A06851 FGRM|XP\_011327706.1 MGRA|XP\_003848600.1 MLAR|XP\_007411404.1 MORY|QBZ60658.1 NCRA|XP\_956064.3 SSCL|APA14349.1

>Orthogroup3034: ANID|CBF82660.1 BCIN|XP\_001555974.1 BGRA|VDB88898.1 CFRU|XP\_031879699.1 CGLO|KAF3798221.1 CHIG|XP\_018153938.1 CVIN|KAF4916823.1 CVYL|A04900 FGRM|XP\_011325611.1 MGRA|XP\_003848580.1 MLAR|XP\_007404630.1 MORY|QBZ60772.1 NCRA|XP\_960011.3 SSCL|APA13912.1

>Orthogroup3035: ANID|CBF82662.1 BCIN|XP\_024547222.1 BGRA|VDB89073.1 CFRU|XP\_031881939.1 CHIG|XP\_018164479.1 CVIN|KAF4911596.1 CVYL|A07328 FGRM|XP\_011327846.1 MGRA|XP\_003848646.1 MLAR|XP\_007416400.1 MLAR|XP\_007416401.1 MORY|QBZ60549.1 NCRA|XP\_959722.2 SSCL|APA14150.1

>Orthogroup3036: ANID|CBF82674.1 BCIN|XP\_024547237.1 BGRA|VDB89087.1 CFRU|XP\_031881992.1 CGLO|KAF3806148.1 CHIG|XP\_018164514.1 CVIN|KAF4907015.1 CVYL|A07359 FGRM|XP\_011325023.1 MGRA|XP\_003848586.1 MLAR|XP\_007411640.1 MORY|QBZ60621.1 NCRA|XP\_001728360.2 SSCL|APA14182.1

>Orthogroup3037: ANID|CBF82677.1 BCIN|XP\_024547200.1 BGRA|VCU40073.1 CFRU|XP\_031882025.1 CGLO|KAF3806037.1 CHIG|XP\_018164631.1 CVIN|KAF4917848.1 CVYL|A07470 FGRM|XP\_011326733.1 MGRA|XP\_003848436.1 MLAR|XP\_007413800.1 MORY|QBZ62361.1 NCRA|XP\_011395314.1 SSCL|APA14129.1

>Orthogroup3038: ANID|CBF82683.1 BCIN|XP\_024547255.1 BGRA|VDB94020.1 CFRU|XP\_031877662.1 CGLO|KAF3801091.1 CHIG|XP\_018153742.1 CVIN|KAF4909537.1 CVYL|A11304 FGRM|XP\_011327811.1 MGRA|XP\_003848430.1 MLAR|XP\_007406997.1 MORY|QBZ60600.1 NCRA|XP\_011395147.1 SSCL|APA14205.1

>Orthogroup3039: ANID|CBF82685.1 BCIN|XP\_001547400.1 BGRA|VDB94019.1 CFRU|XP\_031877626.1 CHIG|XP\_018153741.1 CVIN|KAF4909536.1 CVYL|A11305 FGRM|XP\_011327810.1 MGRA|XP\_003848553.1 MLAR|XP\_007409024.1 MLAR|XP\_007414889.1 MORY|QBZ60601.1 NCRA|XP\_959775.3 SSCL|APA14206.1

>Orthogroup3040: ANID|CBF82694.1 BCIN|XP\_001552794.1 BGRA|VDB88845.1 CFRU|XP\_031892021.1 CGLO|KAF3800140.1 CHIG|XP\_018165075.1 CVIN|KAF4925841.1 CVYL|A06830 FGRM|XP\_011327684.1 MGRA|XP\_003851908.1 MLAR|XP\_007407819.1 MORY|QBZ54030.1 NCRA|XP\_961195.2 SSCL|APA14035.1

>Orthogroup3041: ANID|CBF82698.1 BCIN|XP\_001547853.2 BGRA|VCU40884.1 CFRU|XP\_031887231.1 CGLO|KAF3809303.1 CHIG|XP\_018156136.1 CVIN|KAF4911372.1 CVYL|A01499 FGRM|XP\_011318823.1 MGRA|XP\_003857513.1 MLAR|XP\_007410964.1 MORY|QBZ62228.1 NCRA|XP\_957594.3 SSCL|APA11543.1

>Orthogroup3042: ANID|CBF82707.1 BCIN|XP\_001554359.1 BGRA|VDB83760.1 CFRU|XP\_031881931.1 CGLO|KAF3806143.1 CHIG|XP\_018164518.1 CVIN|KAF4907022.1 CVYL|A07363 FGRM|XP\_011325001.1 MGRA|XP\_003848691.1 MLAR|XP\_007411344.1 MORY|QBZ62354.1 NCRA|XP\_959963.1 SSCL|APA14433.1

>Orthogroup3043: ANID|CBF82711.1 BCIN|XP\_024547282.1 BGRA|VCU40078.1 CFRU|XP\_031891781.1 CGLO|KAF3801394.1 CHIG|XP\_018164776.1 CVIN|KAF4907812.1 CVYL|A07690 FGRM|XP\_011326674.1 MGRA|XP\_003848529.1 MLAR|XP\_007407204.1 MORY|QBZ62265.1 NCRA|XP\_959469.1 SSCL|APA14242.1

>Orthogroup3044: ANID|CBF82714.1 BCIN|XP\_024547290.1 BGRA|VCU40203.1 CFRU|XP\_031877638.1 CGLO|KAF3801088.1 CHIG|XP\_018153739.1 CVIN|KAF4890683.1 CVYL|A11307 FGRM|XP\_011327783.1 MGRA|XP\_003848281.1 MLAR|XP\_007404547.1 MORY|QBZ60594.1 NCRA|XP\_011395151.1 SSCL|APA14249.1

>Orthogroup3045: ANID|CBF82722.1 BCIN|XP\_024551048.1 BGRA|VDB88094.1 CFRU|XP\_031881591.1 CGLO|KAF3807384.1 CHIG|XP\_018156841.1 CVIN|KAF4929605.1 CVYL|A10877 FGRM|XP\_011328165.1 MGRA|XP\_003848514.1 MLAR|XP\_007415825.1 MORY|QBZ65658.1 NCRA|XP\_011393056.1 SSCL|APA11979.1

>Orthogroup3046: ANID|CBF82731.1 BCIN|XP\_024550689.1 BGRA|VDB93214.1 CFRU|XP\_031880241.1 CGLO|KAF3808960.1 CHIG|XP\_018155813.1 CVIN|KAF4920725.1 CVYL|A01125 FGRM|XP\_011319096.1 MGRA|XP\_003856180.1 MLAR|XP\_007405611.1 MORY|QBZ62200.1 NCRA|XP\_961063.1 SSCL|APA11514.1

>Orthogroup3047: ANID|CBF82740.1 BCIN|XP\_001557711.1 BGRA|VCU40938.1 CFRU|XP\_031892572.1 CGLO|KAF3809156.1 CHIG|XP\_018155976.1 CVIN|KAF4919820.1 CVYL|A01342 FGRM|XP\_011318810.1 MGRA|XP\_003856060.1 MLAR|XP\_007417057.1 MORY|QBZ62424.1 NCRA|XP\_958854.1 SSCL|APA12219.1

>Orthogroup3048: ANID|CBF82751.1 BCIN|XP\_024546531.1 BGRA|VCU39937.1 CFRU|XP\_031890332.1 CGLO|KAF3806699.1 CHIG|XP\_018158672.1 CVIN|KAF4925962.1 CVYL|A14004 FGRM|XP\_011315934.1 FGRM|XP\_011327450.1 MGRA|XP\_003852062.1 MORY|QBZ55475.1 NCRA|XP\_964101.2 SSCL|APA06704.1

>Orthogroup3049: ANID|CBF82756.1 BCIN|XP\_001555116.1 CFRU|XP\_031883225.1 CFRU|XP\_031883593.1 CGLO|KAF3808171.1 CGLO|KAF3811954.1 CHIG|XP\_018155082.1 CHIG|XP\_018164575.1 CVIN|KAF4905821.1 CVIN|KAF4924301.1 CVYL|A00524 CVYL|A06111 FGRM|XP\_011315674.1 FGRM|XP\_011328694.1

>Orthogroup3050: ANID|CBF82760.1 BCIN|XP\_001560976.1 BGRA|VCU39925.1 CFRU|XP\_031889606.1 CGLO|KAF3805214.1 CHIG|XP\_018158855.1 CVIN|KAF4907187.1 CVYL|A13862 FGRM|XP\_011316438.1 MGRA|XP\_003852059.1 MLAR|XP\_007411600.1 MORY|QBZ62490.1 NCRA|XP\_963854.2 SSCL|APA06706.1

>Orthogroup3051: ANID|CBF82844.1 BCIN|XP\_024546537.1 BGRA|VCU39927.1 CFRU|XP\_031889847.1 CGLO|KAF3810546.1 CHIG|XP\_018159050.1 CVIN|KAF4895565.1 CVYL|A13622 FGRM|XP\_011328360.1 MGRA|XP\_003852161.1 MLAR|XP\_007415455.1 MORY|QBZ54528.1 NCRA|XP\_959820.1 SSCL|APA06712.1

>Orthogroup3052: ANID|CBF82862.1 BCIN|XP\_024545982.1 BGRA|VCU39846.1 CFRU|XP\_031890185.1 CGLO|KAF3802868.1 CHIG|XP\_018158466.1 CVIN|KAF4923830.1 CVYL|A05145 FGRM|XP\_011316411.1 MGRA|XP\_003857449.1 MLAR|XP\_007407545.1 MORY|QBZ55902.1 NCRA|XP\_964754.2 SSCL|APA07428.1

>Orthogroup3053: ANID|CBF82976.1 BCIN|XP\_001554582.2 BGRA|VDB90747.1 CFRU|XP\_031892313.1 CGLO|KAF3809129.1 CHIG|XP\_018155965.1 CVIN|KAF4922124.1 CVYL|A01312 FGRM|XP\_011323532.1 MGRA|XP\_003851714.1 MLAR|XP\_007411929.1 MORY|QBZ63101.1 NCRA|XP\_960790.1 SSCL|APA11646.1

>Orthogroup3054: ANID|CBF83009.1 BCIN|XP\_001548404.1 CFRU|XP\_031891973.1 CFRU|XP\_031891974.1 CGLO|KAF3801251.1 CHIG|XP\_018153371.1 CHIG|XP\_018164860.1 CVIN|KAF4921929.1 CVIN|KAF4921938.1 CVYL|A07840 FGRM|XP\_011323452.1 MGRA|XP\_003851961.1 MORY|QBZ66360.1 SSCL|APA09273.1

>Orthogroup3055: ANID|CBF83044.1 CFRU|XP\_031879044.1 CFRU|XP\_031880868.1 CGLO|KAF3798810.1 CGLO|KAF3806865.1 CHIG|XP\_018151202.1 CHIG|XP\_018159355.1 CVIN|KAF4900571.1 CVIN|KAF4919591.1 CVYL|A02512 CVYL|A09120 FGRM|XP\_011320628.1 FGRM|XP\_011321956.1 MGRA|XP\_003849321.1

>Orthogroup3056: ANID|CBF83081.1 CFRU|XP\_031879240.1 CFRU|XP\_031881812.1 CGLO|KAF3797856.1 CGLO|KAF3807030.1 CHIG|XP\_018159715.1 CHIG|XP\_018160139.1 CVIN|KAF4892153.1 CVYL|A06325 CVYL|A11521 FGRM|XP\_011327339.1 MORY|QBZ54932.1 MORY|QBZ60208.1 MORY|QBZ64207.1

>Orthogroup3057: ANID|CBF83232.1 BCIN|XP\_024553066.1 BGRA|VCU41379.1 CFRU|XP\_031882374.1 CGLO|KAF3807566.1 CHIG|XP\_018156368.1 CVIN|KAF4928972.1 CVYL|A02916 FGRM|XP\_011318930.1 MGRA|XP\_003856311.1 MLAR|XP\_007405375.1 MORY|QBZ57111.1 NCRA|XP\_961616.1 SSCL|APA16270.1

>Orthogroup3058: ANID|CBF83255.1 BCIN|XP\_001559658.1 BGRA|VDB89376.1 CFRU|XP\_031885884.1 CGLO|KAF3805443.1 CHIG|XP\_018155312.1 CVIN|KAF4930396.1 CVYL|A05573 FGRM|XP\_011325484.1 MGRA|XP\_003856031.1 MLAR|XP\_007409892.1 MORY|QBZ53796.1 NCRA|XP\_956827.1 SSCL|APA09420.1

>Orthogroup3059: ANID|CBF83264.1 BCIN|XP\_001559648.1 BGRA|VDB89381.1 CFRU|XP\_031885940.1 CGLO|KAF3805455.1 CHIG|XP\_018155317.1 CVIN|KAF4930451.1 CVYL|A05585 FGRM|XP\_011325475.1 MGRA|XP\_003856080.1 MLAR|XP\_007405926.1 MORY|QBZ54417.1 NCRA|XP\_956840.1 SSCL|APA09412.1

>Orthogroup3060: ANID|CBF83268.1 BCIN|XP\_001559672.1 BGRA|VDB89402.1 CFRU|XP\_031878016.1 CGLO|KAF3799579.1 CHIG|XP\_018154552.1 CVIN|KAF4926505.1 CVYL|A13439 FGRM|XP\_011325556.1 MGRA|XP\_003856176.1 MLAR|XP\_007406614.1 MORY|QBZ53980.1 NCRA|XP\_011393507.1 SSCL|APA09425.1

>Orthogroup3061: ANID|CBF83271.1 BCIN|XP\_001559650.1 BGRA|VDB89379.1 CFRU|XP\_031885942.1 CGLO|KAF3805457.1 CHIG|XP\_018155319.1 CVIN|KAF4930452.1 CVYL|A05587 FGRM|XP\_011325473.1 MGRA|XP\_003857631.1 MLAR|XP\_007404053.1 MORY|QBZ54419.1 NCRA|XP\_956842.1 SSCL|APA09414.1

>Orthogroup3062: ANID|CBF83280.1 BCIN|XP\_024548616.1 CFRU|XP\_031885882.1 CGLO|KAF3805448.1 CHIG|XP\_018155306.1 CVIN|KAF4930404.1 CVYL|A05578 FGRM|XP\_011325471.1 MGRA|XP\_003851954.1 MLAR|XP\_007414067.1 MLAR|XP\_007416158.1 MORY|QBZ53789.1 NCRA|XP\_956835.2 SSCL|APA09835.1

>Orthogroup3063: ANID|CBF83293.1 BCIN|XP\_001547239.1 BGRA|VCU38932.1 CFRU|XP\_031887516.1 CGLO|KAF3811605.1 CHIG|XP\_018160877.1 CVIN|KAF4921450.1 CVYL|A03462 FGRM|XP\_011324865.1 MGRA|XP\_003848775.1 MLAR|XP\_007404530.1 MORY|QBZ58884.1 NCRA|XP\_961905.1 SSCL|APA07375.1

>Orthogroup3064: ANID|CBF83297.1 BCIN|XP\_001547564.1 BGRA|VDB91217.1 CFRU|XP\_031889166.1 CGLO|KAF3803140.1 CHIG|XP\_018155535.1 CVIN|KAF4928268.1 CVYL|A01027 FGRM|XP\_011319354.1 MGRA|XP\_003857416.1 MLAR|XP\_007417740.1 MORY|QBZ60175.1 NCRA|XP\_955821.1 SSCL|APA07474.1

>Orthogroup3065: ANID|CBF83299.1 BCIN|XP\_001547587.1 BGRA|VCU41309.1 CFRU|XP\_031889110.1 CGLO|KAF3803086.1 CHIG|XP\_018155583.1 CVIN|KAF4929553.1 CVYL|A00978 FGRM|XP\_011321130.1 MGRA|XP\_003856266.1 MLAR|XP\_007417758.1 MORY|QBZ59251.1 NCRA|XP\_957431.2 SSCL|APA07456.1

>Orthogroup3066: ANID|CBF83315.1 BCIN|XP\_024552001.1 BGRA|VDB89694.1 CFRU|XP\_031880629.1 CGLO|KAF3809946.1 CHIG|XP\_018161526.1 CVIN|KAF4930663.1 CVYL|A01677 FGRM|XP\_011318384.1 MGRA|XP\_003848945.1 MLAR|XP\_007408775.1 MORY|QBZ65121.1 NCRA|XP\_958407.1 SSCL|APA12734.1

>Orthogroup3067: ANID|CBF83342.1 BCIN|XP\_024548716.1 BGRA|VDB89325.1 CFRU|XP\_031877784.1 CGLO|KAF3799403.1 CHIG|XP\_018152263.1 CVIN|KAF4931829.1 CVYL|A13267 FGRM|XP\_011324600.1 MGRA|XP\_003852809.1 MLAR|XP\_007409035.1 MORY|QBZ53936.1 NCRA|XP\_956627.2 SSCL|APA09990.1

>Orthogroup3068: ANID|CBF83345.1 BCIN|XP\_001552416.2 CFRU|XP\_031890979.1 CGLO|KAF3801660.1 CHIG|XP\_018151434.1 CVYL|A12475 FGRM|XP\_011328507.1 MGRA|XP\_003847823.1 MGRA|XP\_003850454.1 MLAR|XP\_007418041.1 MORY|QBZ58629.1 NCRA|XP\_011395084.1 NCRA|XP\_962125.2 SSCL|APA14886.1

>Orthogroup3069: ANID|CBF83347.1 BCIN|XP\_024551625.1 BGRA|VDB89562.1 CFRU|XP\_031884765.1 CGLO|KAF3812102.1 CHIG|XP\_018153340.1 CVIN|KAF4918127.1 CVYL|A00295 FGRM|XP\_011318736.1 MGRA|XP\_003855786.1 MLAR|XP\_007413072.1 MORY|QBZ55245.1 NCRA|XP\_965331.1 SSCL|APA06269.1

>Orthogroup3070: ANID|CBF83359.1 BCIN|XP\_001548304.2 BGRA|VCU39981.1 CFRU|XP\_031883846.1 CGLO|KAF3805157.1 CHIG|XP\_018163356.1 CVIN|KAF4927418.1 CVYL|A06593 FGRM|XP\_011321658.1 MGRA|XP\_003854714.1 MLAR|XP\_007405035.1 MORY|QBZ63266.1 NCRA|XP\_956930.1 SSCL|APA06379.1

>Orthogroup3071: ANID|CBF83363.1 BCIN|XP\_024551934.1 BGRA|VDB95126.1 CFRU|XP\_031884025.1 CGLO|KAF3805161.1 CHIG|XP\_018163349.1 CVIN|KAF4927494.1 CVYL|A06589 FGRM|XP\_011321662.1 MGRA|XP\_003847503.1 MGRA|XP\_003855747.1 MORY|QBZ59388.1 NCRA|XP\_011394126.1 SSCL|APA06377.1

>Orthogroup3072: ANID|CBF83367.1 BCIN|XP\_024551922.1 BGRA|VCU39978.1 CFRU|XP\_031883896.1 CGLO|KAF3805136.1 CHIG|XP\_018163378.1 CVIN|KAF4927460.1 CVYL|A06420 FGRM|XP\_011321623.1 MGRA|XP\_003855748.1 MLAR|XP\_007406278.1 MORY|QBZ63274.1 NCRA|XP\_956922.1 SSCL|APA06358.1

>Orthogroup3073: ANID|CBF83374.1 BCIN|XP\_001556699.1 BGRA|VDB85819.1 CFRU|XP\_031879856.1 CGLO|KAF3803023.1 CHIG|XP\_018153571.1 CVIN|KAF4929973.1 CVYL|A00037 FGRM|XP\_011316899.1 MLAR|XP\_007404324.1 MLAR|XP\_007417292.1 MORY|QBZ55448.1 NCRA|XP\_963908.1 SSCL|APA06002.1

>Orthogroup3074: ANID|CBF83378.1 BCIN|XP\_001556701.1 BGRA|VDB85886.1 CFRU|XP\_031883963.1 CGLO|KAF3805160.1 CHIG|XP\_018163352.1 CVIN|KAF4927493.1 CVYL|A06590 FGRM|XP\_011321652.1 MGRA|XP\_003855540.1 MLAR|XP\_007415490.1 MORY|QBZ63262.1 NCRA|XP\_956934.1 SSCL|APA06005.1

>Orthogroup3075: ANID|CBF83392.1 ANID|CBF86702.1 CFRU|XP\_031889331.1 CFRU|XP\_031889361.1 CGLO|KAF3797701.1 CHIG|XP\_018155487.1 CVIN|KAF4928309.1 CVIN|KAF4928332.1 CVYL|A01069 FGRM|XP\_011318627.1 FGRM|XP\_011320469.1 FGRM|XP\_011323790.1 MORY|QBZ54963.1 NCRA|XP\_962889.2

>Orthogroup3076: ANID|CBF83412.1 BCIN|XP\_024548877.1 BGRA|VDB89395.1 CFRU|XP\_031885937.1 CGLO|KAF3805453.1 CHIG|XP\_018155301.1 CVIN|KAF4930376.1 CVYL|A05583 FGRM|XP\_011325477.1 MGRA|XP\_003851691.1 MLAR|XP\_007407435.1 MORY|QBZ53797.1 NCRA|XP\_956834.1 SSCL|APA09424.1

>Orthogroup3077: ANID|CBF83414.1 BCIN|XP\_024548878.1 BGRA|VDB89394.1 CFRU|XP\_031885936.1 CGLO|KAF3805452.1 CHIG|XP\_018155302.1 CVIN|KAF4930377.1 CVYL|A05582 FGRM|XP\_011325478.1 MGRA|XP\_003851874.1 MLAR|XP\_007413785.1 MORY|QBZ53790.1 NCRA|XP\_956833.3 SSCL|APA09423.1

>Orthogroup3078: ANID|CBF83421.1 BCIN|XP\_001552033.1 BGRA|VDB89407.1 CFRU|XP\_031882702.1 CGLO|KAF3799399.1 CHIG|XP\_018152249.1 CVIN|KAF4931826.1 CVYL|A13263 FGRM|XP\_011324610.1 MGRA|XP\_003851400.1 MLAR|XP\_007406269.1 MORY|QBZ54010.1 NCRA|XP\_956495.1 SSCL|APA10015.1

>Orthogroup3079: ANID|CBF83426.1 BCIN|XP\_024552855.1 BGRA|VCU39674.1 CFRU|XP\_031892510.1 CGLO|KAF3809094.1 CHIG|XP\_018155894.1 CVIN|KAF4900562.1 CVYL|A01281 FGRM|XP\_011318900.1 MGRA|XP\_003856727.1 MLAR|XP\_007407434.1 MORY|QBZ64501.1 NCRA|XP\_011394709.1 SSCL|APA16130.1

>Orthogroup3080: ANID|CBF83440.1 BCIN|XP\_024547129.1 BGRA|VDB92979.1 BGRA|VDB92980.1 CFRU|XP\_031879733.1 CGLO|KAF3798234.1 CHIG|XP\_018154012.1 CVIN|KAF4930122.1 CVYL|A04889 FGRM|XP\_011325607.1 MGRA|XP\_003851630.1 MORY|QBZ61204.1 NCRA|XP\_011395251.1 SSCL|APA14028.1

>Orthogroup3081: ANID|CBF83444.1 BCIN|XP\_024547128.1 BGRA|VDB92978.1 CFRU|XP\_031879650.1 CGLO|KAF3798235.1 CHIG|XP\_018154013.1 CVIN|KAF4930123.1 CVYL|A04888 FGRM|XP\_011325601.1 MGRA|XP\_003851654.1 MLAR|XP\_007415593.1 MORY|QBZ61205.1 NCRA|XP\_958077.1 SSCL|APA14027.1

>Orthogroup3082: ANID|CBF83464.1 BCIN|XP\_024547354.1 BGRA|VDB88972.1 CFRU|XP\_031877308.1 CGLO|KAF3799874.1 CHIG|XP\_018153819.1 CVIN|KAF4921727.1 CVYL|A09644 FGRM|XP\_011325435.1 MGRA|XP\_003848426.1 MLAR|XP\_007408019.1 MORY|QBZ59956.1 NCRA|XP\_958049.2 SSCL|APA14356.1

>Orthogroup3083: ANID|CBF83469.1 BCIN|XP\_001551077.2 BGRA|VCU40157.1 CFRU|XP\_031891815.1 CGLO|KAF3805564.1 CHIG|XP\_018164737.1 CVIN|KAF4922383.1 CVYL|A07639 FGRM|XP\_011324687.1 MGRA|XP\_003848653.1 MLAR|XP\_007415863.1 MORY|QBZ64923.1 NCRA|XP\_955939.3 SSCL|APA14263.1

>Orthogroup3084: ANID|CBF83473.1 BCIN|XP\_001546321.1 BGRA|VDB86297.1 CFRU|XP\_031881912.1 CHIG|XP\_018164585.1 CVIN|KAF4909970.1 CVYL|A07425 FGRM|XP\_011315987.1 MGRA|XP\_003848547.1 MLAR|XP\_007414374.1 MORY|QBZ62268.1 NCRA|XP\_959927.3 NCRA|XP\_963286.1 SSCL|APA14315.1

>Orthogroup3085: ANID|CBF83482.1 BCIN|XP\_024547352.1 BGRA|VDB88968.1 CFRU|XP\_031877310.1 CGLO|KAF3799876.1 CHIG|XP\_018153817.1 CVIN|KAF4921729.1 CVYL|A09642 FGRM|XP\_011325409.1 MGRA|XP\_003848276.1 MLAR|XP\_007418583.1 MORY|QBZ59977.1 NCRA|XP\_958047.1 SSCL|APA14354.1

>Orthogroup3086: ANID|CBF83517.1 BCIN|XP\_024553187.1 BGRA|VDB89036.1 CFRU|XP\_031882108.1 CGLO|KAF3806125.1 CHIG|XP\_018164538.1 CVIN|KAF4911039.1 CVYL|A07384 FGRM|XP\_011325639.1 MGRA|XP\_003851798.1 MLAR|XP\_007410958.1 MORY|QBZ62313.1 NCRA|XP\_959500.2 SSCL|APA13450.1

>Orthogroup3087: ANID|CBF83537.1 BCIN|XP\_024547337.1 BGRA|VDB89013.1 CFRU|XP\_031892259.1 CGLO|KAF3805577.1 CHIG|XP\_018164725.1 CVIN|KAF4922353.1 CVYL|A07625 FGRM|XP\_011324971.1 MGRA|XP\_003851846.1 MLAR|XP\_007411348.1 MORY|QBZ60857.1 NCRA|XP\_958960.1 SSCL|APA14336.1

>Orthogroup3088: ANID|CBF83539.1 BCIN|XP\_001553635.1 BGRA|VDB89012.1 CFRU|XP\_031891998.1 CGLO|KAF3805568.1 CHIG|XP\_018164733.1 CVIN|KAF4922379.1 CVYL|A07635 FGRM|XP\_011324680.1 MLAR|XP\_007403560.1 MLAR|XP\_007419332.1 MORY|QBZ60858.1 NCRA|XP\_958961.1 SSCL|APA13443.1

>Orthogroup3089: ANID|CBF83562.1 BCIN|XP\_024547340.1 BGRA|VDB89015.1 CFRU|XP\_031891662.1 CGLO|KAF3805594.1 CHIG|XP\_018164722.1 CVIN|KAF4900694.1 CVYL|A07604 FGRM|XP\_011324974.1 MGRA|XP\_003848499.1 MLAR|XP\_007417932.1 MORY|QBZ60937.1 NCRA|XP\_959546.2 SSCL|APA14333.1

>Orthogroup3090: ANID|CBF83564.1 BCIN|XP\_001546309.1 BGRA|VDB89026.1 CFRU|XP\_031891668.1 CGLO|KAF3805595.1 CHIG|XP\_018164720.1 CVIN|KAF4900689.1 CVYL|A07602 FGRM|XP\_011324976.1 MGRA|XP\_003848320.1 MLAR|XP\_007411188.1 MORY|QBZ60934.1 NCRA|XP\_958590.1 SSCL|APA14318.1

>Orthogroup3091: ANID|CBF83566.1 BCIN|XP\_024547332.1 BGRA|VDB89027.1 CFRU|XP\_031891671.1 CGLO|KAF3805597.1 CHIG|XP\_018164717.1 CVIN|KAF4889191.1 CVYL|A07599 FGRM|XP\_011324980.1 MGRA|XP\_003848325.1 MLAR|XP\_007403627.1 MORY|QBZ62324.1 NCRA|XP\_959646.1 SSCL|APA14319.1

>Orthogroup3092: ANID|CBF83571.1 BCIN|XP\_001554275.1 BGRA|VDB88910.1 CFRU|XP\_031882073.1 CGLO|KAF3806003.1 CHIG|XP\_018164650.1 CVIN|KAF4925706.1 CVYL|A07511 FGRM|XP\_011324995.1 MGRA|XP\_003848513.1 MLAR|XP\_007413871.1 MORY|QBZ62327.1 NCRA|XP\_959644.1 SSCL|APA14375.1

>Orthogroup3093: ANID|CBF83584.1 BCIN|XP\_001556000.1 BGRA|VDB83784.1 CFRU|XP\_031877312.1 CGLO|KAF3799878.1 CHIG|XP\_018153815.1 CVIN|KAF4921731.1 CVYL|A09640 FGRM|XP\_011325411.1 MGRA|XP\_003848536.1 MLAR|XP\_007417873.1 MORY|QBZ59978.1 NCRA|XP\_958045.3 SSCL|APA13929.1

>Orthogroup3094: ANID|CBF83593.1 BCIN|XP\_024550688.1 BGRA|VDB93216.1 CFRU|XP\_031887411.1 CGLO|KAF3809265.1 CHIG|XP\_018156100.1 CVIN|KAF4907385.1 CVYL|A01458 FGRM|XP\_011319313.1 MGRA|XP\_003856037.1 MLAR|XP\_007403525.1 MORY|QBZ57395.1 NCRA|XP\_011394873.1 SSCL|APA11512.1

>Orthogroup3095: ANID|CBF83595.1 BCIN|XP\_001557201.2 BGRA|VCU40943.1 CFRU|XP\_031882360.1 CGLO|KAF3807582.1 CHIG|XP\_018156352.1 CVIN|KAF4928900.1 CVYL|A02900 FGRM|XP\_011319220.1 MGRA|XP\_003857701.1 MLAR|XP\_007405720.1 MORY|QBZ62166.1 NCRA|XP\_011394878.1 SSCL|APA12494.1

>Orthogroup3096: ANID|CBF83598.1 BCIN|XP\_001552589.1 BGRA|VCU39549.1 CFRU|XP\_031887281.1 CGLO|KAF3809202.1 CHIG|XP\_018156036.1 CVIN|KAF4925345.1 CVYL|A01392 FGRM|XP\_011319121.1 MGRA|XP\_003856138.1 MLAR|XP\_007408301.1 MORY|QBZ57072.1 NCRA|XP\_960690.1 SSCL|APA11441.1

>Orthogroup3097: ANID|CBF83604.1 BCIN|XP\_024552985.1 BGRA|VCU41186.1 CFRU|XP\_031887152.1 CGLO|KAF3809222.1 CHIG|XP\_018156049.1 CVIN|KAF4925333.1 CVYL|A01411 FGRM|XP\_011317638.1 FGRM|XP\_011319105.1 MGRA|XP\_003857529.1 MORY|QBZ62446.1 NCRA|XP\_959188.2 SSCL|APA16220.1

>Orthogroup3098: ANID|CBF83607.1 BCIN|XP\_024552988.1 BGRA|VCU41179.1 CFRU|XP\_031892556.1 CGLO|KAF3809141.1 CHIG|XP\_018155954.1 CVIN|KAF4922105.1 CVYL|A01326 FGRM|XP\_011318878.1 MGRA|XP\_003856120.1 MLAR|XP\_007408568.1 MORY|QBZ62438.1 NCRA|XP\_011394818.1 SSCL|APA16218.1

>Orthogroup3099: ANID|CBF83612.1 BCIN|XP\_024549245.1 BGRA|VDB90736.1 CFRU|XP\_031892688.1 CGLO|KAF3803074.1 CHIG|XP\_018153523.1 CVIN|KAF4919844.1 CVYL|A00086 FGRM|XP\_011316112.1 MGRA|XP\_003853258.1 MLAR|XP\_007404177.1 MORY|QBZ55587.1 NCRA|XP\_965122.2 SSCL|APA09017.1

>Orthogroup3100: ANID|CBF83616.1 BCIN|XP\_024549244.1 BGRA|VDB90735.1 CFRU|XP\_031892687.1 CGLO|KAF3803073.1 CHIG|XP\_018153524.1 CVIN|KAF4919873.1 CVYL|A00085 FGRM|XP\_011316113.1 MGRA|XP\_003853142.1 MLAR|XP\_007412286.1 MORY|QBZ55588.1 NCRA|XP\_011393017.1 SSCL|APA09018.1

>Orthogroup3101: ANID|CBF83623.1 BCIN|XP\_024549883.1 BGRA|VDB91116.1 CFRU|XP\_031890540.1 CGLO|KAF3804892.1 CHIG|XP\_018164370.1 CVIN|KAF4921178.1 CVYL|A12169 FGRM|XP\_011316799.1 MGRA|XP\_003850504.1 MLAR|XP\_007405626.1 MORY|QBZ55317.1 NCRA|XP\_964025.3 SSCL|APA05560.1

>Orthogroup3102: ANID|CBF83633.1 BCIN|XP\_001556189.1 BGRA|VDB91153.1 CFRU|XP\_031888229.1 CGLO|KAF3803645.1 CHIG|XP\_018163809.1 CVIN|KAF4913950.1 CVYL|A14579 FGRM|XP\_011317004.1 MGRA|XP\_003853175.1 MLAR|XP\_007406668.1 MORY|QBZ54671.1 NCRA|XP\_963917.1 SSCL|APA09025.1

>Orthogroup3103: ANID|CBF83644.1 BCIN|XP\_024551160.1 BGRA|VDB89158.1 CFRU|XP\_031886748.1 CGLO|KAF3804091.1 CHIG|XP\_018162677.1 CVIN|KAF4919520.1 CVYL|A07051 FGRM|XP\_011326355.1 MGRA|XP\_003856195.1 MLAR|XP\_007406410.1 MORY|QBZ55634.1 NCRA|XP\_957212.1 SSCL|APA10345.1

>Orthogroup3104: ANID|CBF83646.1 BCIN|XP\_024546310.1 BGRA|VDB90758.1 CFRU|XP\_031888455.1 CGLO|KAF3803487.1 CHIG|XP\_018164017.1 CVIN|KAF4926308.1 CVYL|A14416 FGRM|XP\_011316982.1 MGRA|XP\_003853207.1 MLAR|XP\_007406890.1 MORY|QBZ55337.1 NCRA|XP\_965460.1 SSCL|APA06916.1

>Orthogroup3105: ANID|CBF83653.1 BCIN|XP\_001557023.2 CFRU|XP\_031885047.1 CGLO|KAF3807673.1 CHIG|XP\_018162892.1 CVIN|KAF4927826.1 CVYL|A06820 FGRM|XP\_011326283.1 MGRA|XP\_003850739.1 MLAR|XP\_007411864.1 MLAR|XP\_007415700.1 MORY|QBZ55622.1 NCRA|XP\_957246.2 SSCL|APA10246.1

>Orthogroup3106: ANID|CBF83655.1 BCIN|XP\_024551501.1 BGRA|VCU39799.1 CFRU|XP\_031893336.1 CGLO|KAF3808024.1 CHIG|XP\_018152356.1 CVIN|KAF4909489.1 CVYL|A09459 FGRM|XP\_011317757.1 MGRA|XP\_003856194.1 MLAR|XP\_007404506.1 MORY|QBZ54217.1 NCRA|XP\_960747.2 SSCL|APA10349.1

>Orthogroup3107: ANID|CBF83662.1 BCIN|XP\_001555932.1 BGRA|VDB93837.1 CFRU|XP\_031877874.1 CGLO|KAF3804767.1 CHIG|XP\_018164258.1 CHIG|XP\_018164784.1 CVIN|KAF4929767.1 CVYL|A12313 FGRM|XP\_011316713.1 MGRA|XP\_003856625.1 MORY|QBZ55530.1 NCRA|XP\_964322.2 SSCL|APA14527.1

>Orthogroup3108: ANID|CBF83689.1 BCIN|XP\_024553460.1 BGRA|VDB93522.1 CFRU|XP\_031888530.1 CGLO|KAF3803575.1 CHIG|XP\_018163919.1 CVIN|KAF4922226.1 CVYL|A14509 FGRM|XP\_011316746.1 MGRA|XP\_003857340.1 MLAR|XP\_007404184.1 MORY|QBZ56027.1 NCRA|XP\_963864.3 SSCL|APA13830.1

>Orthogroup3109: ANID|CBF83695.1 BCIN|XP\_001547950.1 BGRA|VDB93716.1 CFRU|XP\_031884318.1 CGLO|KAF3803764.1 CHIG|XP\_018153160.1 CVIN|KAF4917893.1 CVYL|A14144 FGRM|XP\_011324183.1 MGRA|XP\_003856592.1 MLAR|XP\_007415555.1 MORY|QBZ59780.1 NCRA|XP\_965646.2 SSCL|APA13602.1

>Orthogroup3110: ANID|CBF83699.1 BCIN|XP\_024547019.1 BGRA|VDB93747.1 CFRU|XP\_031877851.1 CGLO|KAF3804774.1 CHIG|XP\_018164252.1 CVIN|KAF4929801.1 CVYL|A12303 FGRM|XP\_011317033.1 MGRA|XP\_003857178.1 MLAR|XP\_007415822.1 MORY|QBZ63568.1 NCRA|XP\_963953.2 SSCL|APA05894.1

>Orthogroup3111: ANID|CBF83701.1 BCIN|XP\_001548808.1 BGRA|VDB93641.1 CFRU|XP\_031879866.1 CGLO|KAF3802972.1 CHIG|XP\_018153641.1 CVIN|KAF4929910.1 CVYL|A00405 FGRM|XP\_011316892.1 MGRA|XP\_003856320.1 MLAR|XP\_007412385.1 MORY|QBZ63538.1 NCRA|XP\_963824.1 SSCL|APA13338.1

>Orthogroup3112: ANID|CBF83711.1 BCIN|XP\_001559942.1 BGRA|VDB93271.1 CFRU|XP\_031886645.1 CGLO|KAF3807477.1 CHIG|XP\_018158760.1 CVIN|KAF4907605.1 CVYL|A05000 FGRM|XP\_011328627.1 MGRA|XP\_003852324.1 MLAR|XP\_007416506.1 MORY|QBZ60417.1 NCRA|XP\_965317.1 SSCL|APA09767.1

>Orthogroup3113: ANID|CBF83718.1 BCIN|XP\_001561383.1 BGRA|VDB90699.1 CFRU|XP\_031882920.1 CGLO|KAF3803403.1 CHIG|XP\_018163929.1 CVIN|KAF4918430.1 CVYL|A14333 FGRM|XP\_011316857.1 MGRA|XP\_003852218.1 MLAR|XP\_007412762.1 MORY|QBZ62749.1 NCRA|XP\_964215.2 SSCL|APA06895.1

>Orthogroup3114: ANID|CBF83720.1 BCIN|XP\_024546322.1 BGRA|VDB90731.1 CFRU|XP\_031882909.1 CGLO|KAF3812076.1 CHIG|XP\_018164088.1 CVIN|KAF4923675.1 CVYL|A14252 FGRM|XP\_011326756.1 MGRA|XP\_003853128.1 MLAR|XP\_007404385.1 MORY|QBZ62745.1 NCRA|XP\_011393134.1 SSCL|APA06901.1

>Orthogroup3115: ANID|CBF83738.1 BCIN|XP\_024547043.1 BGRA|VDB93821.1 CFRU|XP\_031890679.1 CGLO|KAF3804833.1 CHIG|XP\_018164330.1 CVIN|KAF4929786.1 CVYL|A12240 FGRM|XP\_011324155.1 MGRA|XP\_003857330.1 MLAR|XP\_007411355.1 MORY|QBZ62769.1 NCRA|XP\_965276.1 SSCL|APA06112.1

>Orthogroup3116: ANID|CBF83748.1 BCIN|XP\_024553265.1 CFRU|XP\_031890422.1 CGLO|KAF3804795.1 CHIG|XP\_018164289.1 CVIN|KAF4929805.1 CVYL|A12276 FGRM|XP\_011316294.1 MGRA|XP\_003856628.1 MORY|QBZ55355.1 MORY|QBZ61454.1 NCRA|XP\_962998.2 NCRA|XP\_963927.3 SSCL|APA13572.1

>Orthogroup3117: ANID|CBF83749.1 BCIN|XP\_001558922.1 CFRU|XP\_031888307.1 CGLO|KAF3803549.1 CHIG|XP\_018164134.1 CVIN|KAF4922252.1 CVYL|A14482 FGRM|XP\_011316239.1 MGRA|XP\_003856315.1 MLAR|XP\_007404010.1 MLAR|XP\_007413587.1 MORY|QBZ56403.1 NCRA|XP\_964129.1 SSCL|APA05804.1

>Orthogroup3118: ANID|CBF83753.1 BCIN|XP\_024553221.1 CFRU|XP\_031882941.1 CGLO|KAF3803382.1 CHIG|XP\_018163861.1 CVIN|KAF4918428.1 CVYL|A14309 FGRM|XP\_011327122.1 MGRA|XP\_003853276.1 MGRA|XP\_003857174.1 MLAR|XP\_007411829.1 MORY|QBZ63199.1 NCRA|XP\_001728186.2 SSCL|APA13506.1

>Orthogroup3119: ANID|CBF83756.1 BCIN|XP\_024548191.1 BGRA|VDB91263.1 CFRU|XP\_031882347.1 CGLO|KAF3811739.1 CHIG|XP\_018153667.1 CVIN|KAF4922988.1 CVIN|KAF4928872.1 CVYL|A02953 FGRM|XP\_011322001.1 MGRA|XP\_003848076.1 MLAR|XP\_007413522.1 NCRA|XP\_959654.1 SSCL|APA12443.1

>Orthogroup3120: ANID|CBF83765.1 BCIN|XP\_024550682.1 BGRA|VDB93207.1 CFRU|XP\_031887146.1 CGLO|KAF3809208.1 CHIG|XP\_018156031.1 CVIN|KAF4925320.1 CVYL|A01397 FGRM|XP\_011319081.1 MGRA|XP\_003856071.1 MLAR|XP\_007409853.1 MORY|QBZ57086.1 NCRA|XP\_011394513.1 SSCL|APA11504.1

>Orthogroup3121: ANID|CBF83769.1 BCIN|XP\_001552593.1 BGRA|VCU39552.1 CFRU|XP\_031887212.1 CGLO|KAF3809349.1 CHIG|XP\_018156201.1 CVIN|KAF4924188.1 CVYL|A01554 FGRM|XP\_011318797.1 MGRA|XP\_003853017.1 MLAR|XP\_007411786.1 MORY|QBZ59037.1 NCRA|XP\_960897.1 SSCL|APA11445.1

>Orthogroup3122: ANID|CBF83776.1 BCIN|XP\_024547342.1 BGRA|VDB89004.1 CFRU|XP\_031878490.1 CGLO|KAF3798601.1 CHIG|XP\_018153928.1 CVIN|KAF4930153.1 CVYL|A04845 FGRM|XP\_011324694.1 MGRA|XP\_003848347.1 MLAR|XP\_007410940.1 MORY|QBZ60860.1 NCRA|XP\_959882.1 SSCL|APA14327.1

>Orthogroup3123: ANID|CBF83778.1 BCIN|XP\_024547369.1 BGRA|VDB88904.1 CFRU|XP\_031891666.1 CGLO|KAF3805600.1 CHIG|XP\_018164707.1 CVIN|KAF4890023.1 CVYL|A07594 FGRM|XP\_011325634.1 MGRA|XP\_003848327.1 MLAR|XP\_007416315.1 MORY|QBZ62291.1 NCRA|XP\_959904.1 SSCL|APA14371.1

>Orthogroup3124: ANID|CBF83780.1 BCIN|XP\_001554261.1 BGRA|VDB93995.1 CFRU|XP\_031882096.1 CGLO|KAF3806135.1 CHIG|XP\_018164528.1 CVIN|KAF4911022.1 CVYL|A07372 FGRM|XP\_011325620.1 MGRA|XP\_003851813.1 MLAR|XP\_007407559.1 MORY|QBZ62275.1 NCRA|XP\_959917.1 SSCL|APA14361.1

>Orthogroup3125: ANID|CBF83794.1 BCIN|XP\_024547404.1 BCIN|XP\_024547568.1 CFRU|XP\_031881934.1 CGLO|KAF3806137.1 CHIG|XP\_018164525.1 CVIN|KAF4911035.1 CVYL|A07370 FGRM|XP\_011326671.1 MORY|QBZ62364.1 NCRA|XP\_959231.2 NCRA|XP\_959668.3 NCRA|XP\_962768.1 SSCL|APA14414.1

>Orthogroup3126: ANID|CBF83808.1 BCIN|XP\_024551855.1 BGRA|VDB95084.1 CFRU|XP\_031884910.1 CGLO|KAF3812200.1 CHIG|XP\_018153427.1 CVIN|KAF4920952.1 CVYL|A00185 FGRM|XP\_011316044.1 MGRA|XP\_003854722.1 MLAR|XP\_007415817.1 MORY|QBZ63514.1 NCRA|XP\_957916.2 SSCL|APA06297.1

>Orthogroup3127: ANID|CBF83817.1 BCIN|XP\_001552410.1 BGRA|VDB89696.1 CFRU|XP\_031890962.1 CGLO|KAF3801677.1 CHIG|XP\_018151455.1 CVIN|KAF4897547.1 CVYL|A12460 FGRM|XP\_011328481.1 MGRA|XP\_003854954.1 MLAR|XP\_007404217.1 MORY|QBZ62160.1 NCRA|XP\_957574.1 SSCL|APA14896.1

>Orthogroup3128: ANID|CBF83819.1 BCIN|XP\_024546097.1 CFRU|XP\_031875833.1 CFRU|XP\_031879985.1 CGLO|KAF3798954.1 CGLO|KAF3805557.1 CHIG|XP\_018152859.1 CVIN|KAF4923503.1 CVYL|A07870 FGRM|XP\_011324358.1 MGRA|XP\_003853957.1 MORY|QBZ53488.1 NCRA|XP\_001728523.2 SSCL|APA06618.1

>Orthogroup3129: ANID|CBF83826.1 BCIN|XP\_001556817.1 BGRA|VDB89265.1 CFRU|XP\_031884901.1 CGLO|KAF3812105.1 CHIG|XP\_018153342.1 CVIN|KAF4918132.1 CVYL|A00292 FGRM|XP\_011318738.1 MGRA|XP\_003854712.1 MLAR|XP\_007411408.1 MORY|QBZ63848.1 NCRA|XP\_957875.2 SSCL|APA14598.1

>Orthogroup3130: ANID|CBF83829.1 BCIN|XP\_001556818.1 BGRA|VDB89263.1 CFRU|XP\_031883263.1 CGLO|KAF3801733.1 CHIG|XP\_018159248.1 CVIN|KAF4922913.1 CVYL|A12968 FGRM|XP\_011318737.1 MGRA|XP\_003855623.1 MLAR|XP\_007403991.1 MORY|QBZ63129.1 NCRA|XP\_011394729.1 SSCL|APA14597.1

>Orthogroup3131: ANID|CBF83833.1 BCIN|XP\_001559795.1 BGRA|VCU40892.1 CFRU|XP\_031890431.1 CGLO|KAF3798137.1 CHIG|XP\_018158633.1 CVIN|KAF4926029.1 CVYL|A13969 FGRM|XP\_011325453.1 MGRA|XP\_003851121.1 MLAR|XP\_007415346.1 MORY|QBZ56136.1 NCRA|XP\_964977.1 SSCL|APA09668.1

>Orthogroup3132: ANID|CBF83844.1 BCIN|XP\_024551701.1 BGRA|VDB89505.1 CFRU|XP\_031884714.1 CGLO|KAF3812205.1 CHIG|XP\_018153433.1 CVIN|KAF4920947.1 CVYL|A00180 FGRM|XP\_011316050.1 MGRA|XP\_003853613.1 MLAR|XP\_007417005.1 MORY|QBZ63526.1 NCRA|XP\_011393370.1 SSCL|APA14537.1

>Orthogroup3133: ANID|CBF83845.1 BCIN|XP\_001556741.2 BGRA|VDB89506.1 CFRU|XP\_031884920.1 CGLO|KAF3812204.1 CHIG|XP\_018153432.1 CVIN|KAF4920948.1 CVYL|A00181 FGRM|XP\_011316049.1 MGRA|XP\_003855794.1 MLAR|XP\_007406329.1 MORY|QBZ63525.1 NCRA|XP\_963704.1 SSCL|APA14536.1

>Orthogroup3134: ANID|CBF83847.1 BCIN|XP\_024551914.1 BGRA|VDB92619.1 CFRU|XP\_031884715.1 CGLO|KAF3812206.1 CHIG|XP\_018153434.1 CVIN|KAF4920962.1 CVYL|A00178 FGRM|XP\_011316051.1 FGRM|XP\_011321045.1 MGRA|XP\_003854691.1 MORY|QBZ63545.1 NCRA|XP\_963705.3 SSCL|APA06349.1

>Orthogroup3135: ANID|CBF83856.1 BCIN|XP\_001557400.1 BGRA|VCU41046.1 CFRU|XP\_031883200.1 CGLO|KAF3808152.1 CHIG|XP\_018163254.1 CVIN|KAF4924305.1 CVYL|A00503 FGRM|XP\_011326234.1 MGRA|XP\_003852151.1 MLAR|XP\_007403631.1 MORY|QBZ63090.1 NCRA|XP\_958369.1 SSCL|APA10676.1

>Orthogroup3136: ANID|CBF83867.1 BCIN|XP\_024551519.1 BGRA|VCU41092.1 CFRU|XP\_031886585.1 CGLO|KAF3804098.1 CHIG|XP\_018162660.1 CVIN|KAF4894847.1 CVYL|A07061 FGRM|XP\_011326350.1 MGRA|XP\_003852828.1 MLAR|XP\_007413744.1 MORY|QBZ55635.1 NCRA|XP\_957214.2 SSCL|APA10213.1

>Orthogroup3137: ANID|CBF83881.1 BCIN|XP\_024552015.1 BGRA|VDB83861.1 CFRU|XP\_031878623.1 CGLO|KAF3798521.1 CHIG|XP\_018161198.1 CVIN|KAF4917494.1 CVYL|A03804 FGRM|XP\_011326679.1 MGRA|XP\_003849846.1 MLAR|XP\_007404844.1 MORY|QBZ57197.1 NCRA|XP\_011395277.1 SSCL|APA12778.1

>Orthogroup3138: ANID|CBF84043.1 BCIN|XP\_024547304.1 BGRA|VCU40104.1 CFRU|XP\_031878532.1 CGLO|KAF3798604.1 CHIG|XP\_018153931.1 CVIN|KAF4930160.1 CVYL|A04842 FGRM|XP\_011324697.1 MGRA|XP\_003848469.1 MLAR|XP\_007414000.1 MORY|QBZ60866.1 NCRA|XP\_959459.2 SSCL|APA14270.1

>Orthogroup3139: ANID|CBF84055.1 BCIN|XP\_001552739.2 BGRA|VDB92904.1 CFRU|XP\_031879686.1 CGLO|KAF3798187.1 CHIG|XP\_018154063.1 CVIN|KAF4919128.1 CVYL|A04936 FGRM|XP\_011325442.1 MGRA|XP\_003851745.1 MLAR|XP\_007405141.1 MORY|QBZ60827.1 NCRA|XP\_959949.1 SSCL|APA14080.1

>Orthogroup3140: ANID|CBF84062.1 BCIN|XP\_024547112.1 BGRA|VDB92898.1 CFRU|XP\_031879767.1 CGLO|KAF3798205.1 CHIG|XP\_018153948.1 CVIN|KAF4916811.1 CVYL|A04914 FGRM|XP\_011325613.1 MGRA|XP\_003851575.1 MLAR|XP\_007414721.1 MORY|QBZ60733.1 NCRA|XP\_001728355.2 SSCL|APA14010.1

>Orthogroup3141: ANID|CBF84070.1 BCIN|XP\_024547169.1 BGRA|VDB92909.1 CFRU|XP\_031877653.1 CGLO|KAF3796981.1 CHIG|XP\_018153705.1 CVIN|KAF4912160.1 CVYL|A00190 FGRM|XP\_011327827.1 MGRA|XP\_003848358.1 MLAR|XP\_007414203.1 MORY|QBZ60533.1 NCRA|XP\_011395179.1 SSCL|APA14068.1

>Orthogroup3142: ANID|CBF84079.1 BCIN|XP\_024546061.1 BGRA|VCU39030.1 CFRU|XP\_031887822.1 CGLO|KAF3802269.1 CHIG|XP\_018154366.1 CVIN|KAF4924431.1 CVYL|A10296 FGRM|XP\_011319812.1 MGRA|XP\_003847543.1 MLAR|XP\_007409650.1 MORY|QBZ65761.1 NCRA|XP\_964240.1 SSCL|APA07254.1

>Orthogroup3143: ANID|CBF84085.1 BCIN|XP\_001552395.1 BGRA|VCU38782.1 CFRU|XP\_031881540.1 CGLO|KAF3805347.1 CHIG|XP\_018156766.1 CVIN|KAF4913608.1 CVYL|A10989 FGRM|XP\_011328300.1 MGRA|XP\_003853848.1 MLAR|XP\_007408574.1 MORY|QBZ65569.1 NCRA|XP\_965197.3 SSCL|APA11210.1

>Orthogroup3144: ANID|CBF84088.1 BCIN|XP\_024551977.1 BGRA|VCU39276.1 CFRU|XP\_031893256.1 CGLO|KAF3800825.1 CHIG|XP\_018150884.1 CVIN|KAF4922496.1 CVYL|A08724 FGRM|XP\_011328045.1 MGRA|XP\_003849785.1 MLAR|XP\_007406782.1 MORY|QBZ64181.1 NCRA|XP\_962248.1 SSCL|APA12685.1

>Orthogroup3145: ANID|CBF84090.1 BCIN|XP\_024551979.1 BGRA|VCU39277.1 CFRU|XP\_031893253.1 CGLO|KAF3800824.1 CHIG|XP\_018150885.1 CVIN|KAF4922499.1 CVYL|A08725 FGRM|XP\_011328044.1 MGRA|XP\_003849324.1 MLAR|XP\_007414754.1 MORY|QBZ64179.1 NCRA|XP\_962247.1 SSCL|APA12684.1

>Orthogroup3146: ANID|CBF84101.1 BCIN|XP\_001555765.1 BGRA|VDB86359.1 CFRU|XP\_031893333.1 CGLO|KAF3808021.1 CHIG|XP\_018152360.1 CVIN|KAF4909486.1 CVYL|A09462 FGRM|XP\_011317755.1 MGRA|XP\_003852825.1 MLAR|XP\_007405954.1 MORY|QBZ58091.1 NCRA|XP\_960754.1 SSCL|APA10125.1

>Orthogroup3147: ANID|CBF84103.1 BCIN|XP\_001555764.1 BGRA|VDB86358.1 CFRU|XP\_031893334.1 CGLO|KAF3808022.1 CHIG|XP\_018152359.1 CVIN|KAF4909487.1 CVYL|A09461 FGRM|XP\_011317756.1 MGRA|XP\_003857291.1 MLAR|XP\_007408337.1 MORY|QBZ58092.1 NCRA|XP\_960755.2 SSCL|APA10124.1

>Orthogroup3148: ANID|CBF84107.1 BCIN|XP\_024551380.1 BGRA|VCU41134.1 CFRU|XP\_031878426.1 CGLO|KAF3802645.1 CHIG|XP\_018162516.1 CVIN|KAF4932009.1 CVYL|A07150 FGRM|XP\_011326970.1 MGRA|XP\_003857206.1 MLAR|XP\_007405452.1 MORY|QBZ55673.1 NCRA|XP\_956152.2 SSCL|APA10605.1

>Orthogroup3149: ANID|CBF84116.1 BCIN|XP\_024549431.1 BGRA|VDB90666.1 CFRU|XP\_031888401.1 CGLO|KAF3803686.1 CHIG|XP\_018163772.1 CVIN|KAF4928532.1 CVYL|A14617 FGRM|XP\_011316031.1 MGRA|XP\_003852573.1 MLAR|XP\_007409114.1 MORY|QBZ56000.1 NCRA|XP\_964815.1 SSCL|APA09246.1

>Orthogroup3150: ANID|CBF84117.1 BCIN|XP\_001549197.1 BGRA|VDB90662.1 CFRU|XP\_031890413.1 CGLO|KAF3804793.1 CHIG|XP\_018164287.1 CVIN|KAF4929809.1 CVYL|A12280 FGRM|XP\_011316228.1 MGRA|XP\_003852646.1 MLAR|XP\_007418630.1 MORY|QBZ55357.1 NCRA|XP\_964021.1 SSCL|APA09247.1

>Orthogroup3151: ANID|CBF84119.1 BCIN|XP\_024548699.1 BGRA|VCU40232.1 CFRU|XP\_031889794.1 CGLO|KAF3805876.1 CHIG|XP\_018158885.1 CVIN|KAF4920784.1 CVYL|A13837 FGRM|XP\_011316597.1 MGRA|XP\_003852630.1 MLAR|XP\_007404149.1 MORY|QBZ56101.1 NCRA|XP\_965410.1 SSCL|APA09870.1

>Orthogroup3152: ANID|CBF84123.1 BCIN|XP\_001549250.2 BGRA|VDB91068.1 CFRU|XP\_031888434.1 CGLO|KAF3803465.1 CHIG|XP\_018163995.1 CVIN|KAF4926292.1 CVYL|A14395 FGRM|XP\_011326481.1 MGRA|XP\_003852372.1 MLAR|XP\_007403595.1 MORY|QBZ63492.1 NCRA|XP\_011393165.1 SSCL|APA09204.1

>Orthogroup3153: ANID|CBF84124.1 BCIN|XP\_024549452.1 BGRA|VDB91030.1 CFRU|XP\_031890655.1 CGLO|KAF3804912.1 CHIG|XP\_018164351.1 CVIN|KAF4919398.1 CVYL|A12146 FGRM|XP\_011317152.1 MGRA|XP\_003853228.1 MLAR|XP\_007416802.1 MORY|QBZ56450.1 NCRA|XP\_964266.3 SSCL|APA09207.1

>Orthogroup3154: ANID|CBF84128.1 BCIN|XP\_024549450.1 BGRA|VDB91063.1 CFRU|XP\_031888432.1 CGLO|KAF3803463.1 CHIG|XP\_018163993.1 CVIN|KAF4926293.1 CVYL|A14393 FGRM|XP\_011326479.1 MGRA|XP\_003852373.1 MLAR|XP\_007410710.1 MORY|QBZ63487.1 NCRA|XP\_958415.1 SSCL|APA09209.1

>Orthogroup3155: ANID|CBF84274.1 CFRU|XP\_031881670.1 CFRU|XP\_031881671.1 CGLO|KAF3807456.1 CHIG|XP\_018156779.1 CVIN|KAF4918503.1 CVYL|A10966 CVYL|A10967 FGRM|XP\_011322732.1 FGRM|XP\_011322733.1 FGRM|XP\_011324472.1 MGRA|XP\_003853048.1 MGRA|XP\_003855182.1 MORY|QBZ64575.1

>Orthogroup3156: ANID|CBF84733.1 ANID|CBF88076.1 BCIN|XP\_024549100.1 CFRU|XP\_031876121.1 CFRU|XP\_031879564.1 CGLO|KAF3802699.1 CGLO|KAF3807376.1 CHIG|XP\_018151485.1 CVIN|KAF4899845.1 CVYL|A08024 FGRM|XP\_011321792.1 MORY|QBZ59816.1 NCRA|XP\_959618.1 SSCL|APA15924.1

>Orthogroup3157: ANID|CBF84739.1 BCIN|XP\_001548812.1 BGRA|VDB93644.1 CFRU|XP\_031879869.1 CGLO|KAF3802968.1 CHIG|XP\_018153645.1 CVIN|KAF4929995.1 CVYL|A00400 FGRM|XP\_011316888.1 MGRA|XP\_003857334.1 MLAR|XP\_007412872.1 MORY|QBZ63534.1 NCRA|XP\_965370.1 SSCL|APA13341.1

>Orthogroup3158: ANID|CBF84743.1 BCIN|XP\_001558935.1 BGRA|VDB86111.1 BGRA|VDB88827.1 CFRU|XP\_031888470.1 CGLO|KAF3803499.1 CHIG|XP\_018164029.1 CVIN|KAF4926276.1 CVYL|A14428 FGRM|XP\_011327125.1 MGRA|XP\_003856548.1 MORY|QBZ63185.1 NCRA|XP\_963977.1 SSCL|APA05808.1

>Orthogroup3159: ANID|CBF84745.1 BCIN|XP\_001558936.1 BGRA|VDB93512.1 CFRU|XP\_031888342.1 CGLO|KAF3803565.1 CHIG|XP\_018164122.1 CVIN|KAF4922253.1 CVYL|A14498 FGRM|XP\_011316786.1 MGRA|XP\_003857133.1 MLAR|XP\_007411499.1 MORY|QBZ56405.1 NCRA|XP\_964458.1 SSCL|APA05809.1

>Orthogroup3160: ANID|CBF84749.1 BCIN|XP\_001553699.2 BGRA|VDB93898.1 CFRU|XP\_031890399.1 CGLO|KAF3804804.1 CHIG|XP\_018164299.1 CVIN|KAF4929757.1 CVYL|A12268 FGRM|XP\_011316306.1 MGRA|XP\_003857346.1 MLAR|XP\_007415567.1 MORY|QBZ62794.1 NCRA|XP\_965442.1 SSCL|APA13483.1

>Orthogroup3161: ANID|CBF84754.1 BCIN|XP\_001547960.2 BGRA|VDB93629.1 CFRU|XP\_031888256.1 CGLO|KAF3803495.1 CHIG|XP\_018164025.1 CVIN|KAF4926278.1 CVYL|A14424 FGRM|XP\_011326516.1 MGRA|XP\_003857170.1 MLAR|XP\_007408419.1 MORY|QBZ54717.1 NCRA|XP\_011393126.1 SSCL|APA13594.1

>Orthogroup3162: ANID|CBF84756.1 BCIN|XP\_001559004.1 BGRA|VDB93830.1 CFRU|XP\_031877876.1 CGLO|KAF3804768.1 CHIG|XP\_018164257.1 CVIN|KAF4929769.1 CVYL|A12312 FGRM|XP\_011316712.1 MGRA|XP\_003857348.1 MLAR|XP\_007416563.1 MORY|QBZ55531.1 NCRA|XP\_964321.1 SSCL|APA05855.1

>Orthogroup3163: ANID|CBF84762.1 ANID|CBF84764.1 BCIN|XP\_001558297.1 BGRA|VDB93881.1 CFRU|XP\_031882734.1 CGLO|KAF3803416.1 CHIG|XP\_018163898.1 CVIN|KAF4918432.1 CVYL|A14345 FGRM|XP\_011317102.1 MLAR|XP\_007418074.1 MORY|QBZ61465.1 NCRA|XP\_957869.1 SSCL|APA13682.1

>Orthogroup3164: ANID|CBF84773.1 BCIN|XP\_024548723.1 BGRA|VDB84066.1 CFRU|XP\_031890634.1 CGLO|KAF3805282.1 CHIG|XP\_018158602.1 CVIN|KAF4926006.1 CVYL|A13933 FGRM|XP\_011316641.1 MGRA|XP\_003852188.1 MLAR|XP\_007409403.1 MORY|QBZ60502.1 NCRA|XP\_965697.3 SSCL|APA09792.1

>Orthogroup3165: ANID|CBF84779.1 BCIN|XP\_001550630.2 BGRA|VDB84075.1 CFRU|XP\_031884591.1 CGLO|KAF3799049.1 CHIG|XP\_018158205.1 CVIN|KAF4918250.1 CVYL|A11481 FGRM|XP\_011316463.1 MGRA|XP\_003853259.1 MLAR|XP\_007410529.1 MORY|QBZ55127.1 NCRA|XP\_958645.2 SSCL|APA09370.1

>Orthogroup3166: ANID|CBF84782.1 BCIN|XP\_001550377.1 BGRA|VCU40219.1 CFRU|XP\_031890359.1 CGLO|KAF3806687.1 CHIG|XP\_018158656.1 CVIN|KAF4925992.1 CVYL|A13991 FGRM|XP\_011323379.1 MGRA|XP\_003852216.1 MLAR|XP\_007404315.1 MORY|QBZ62568.1 NCRA|XP\_964606.3 SSCL|APA10067.1

>Orthogroup3167: ANID|CBF84797.1 BCIN|XP\_024548986.1 BGRA|VDB84100.1 CFRU|XP\_031886579.1 CGLO|KAF3798907.1 CHIG|XP\_018158588.1 CVIN|KAF4925538.1 CVYL|A05045 FGRM|XP\_011328436.1 MGRA|XP\_003852190.1 MLAR|XP\_007405064.1 MORY|QBZ60490.1 NCRA|XP\_965703.3 SSCL|APA09364.1

>Orthogroup3168: ANID|CBF84806.1 BCIN|XP\_024548859.1 BGRA|VDB93241.1 CFRU|XP\_031875588.1 CFRU|XP\_031890362.1 CGLO|KAF3806682.1 CHIG|XP\_018158651.1 CVIN|KAF4925957.1 CVYL|A13985 FGRM|XP\_011323375.1 MGRA|XP\_003852427.1 MORY|QBZ62502.1 NCRA|XP\_964094.1 SSCL|APA09451.1

>Orthogroup3169: ANID|CBF84827.1 BCIN|XP\_001561118.1 CFRU|XP\_031880876.1 CGLO|KAF3806893.1 CHIG|XP\_018159574.1 CVIN|KAF4904499.1 CVYL|A02536 FGRM|XP\_011320450.1 MGRA|XP\_003853937.1 MLAR|XP\_007414784.1 MLAR|XP\_007414790.1 MORY|QBZ61869.1 NCRA|XP\_960509.2 SSCL|APA07128.1

>Orthogroup3170: ANID|CBF84862.1 BCIN|XP\_024551315.1 BGRA|VCU41079.1 CFRU|XP\_031886702.1 CGLO|KAF3804063.1 CHIG|XP\_018162708.1 CVIN|KAF4919560.1 CVYL|A07025 FGRM|XP\_011326953.1 MGRA|XP\_003852858.1 MLAR|XP\_007404898.1 MORY|QBZ61437.1 NCRA|XP\_957124.1 SSCL|APA10561.1

>Orthogroup3171: ANID|CBF84867.1 BCIN|XP\_001561393.1 BGRA|VDB90694.1 CFRU|XP\_031888447.1 CGLO|KAF3803481.1 CHIG|XP\_018164011.1 CVIN|KAF4926325.1 CVYL|A14410 FGRM|XP\_011316989.1 MLAR|XP\_007406456.1 MLAR|XP\_007406829.1 MORY|QBZ55343.1 NCRA|XP\_965454.1 SSCL|APA06904.1

>Orthogroup3172: ANID|CBF84871.1 BCIN|XP\_001553815.1 BGRA|VCU39415.1 CFRU|XP\_031882947.1 CGLO|KAF3803378.1 CHIG|XP\_018163952.1 CVIN|KAF4887104.1 CVYL|A14305 FGRM|XP\_011317146.1 MGRA|XP\_003857603.1 MLAR|XP\_007418320.1 MORY|QBZ62772.1 NCRA|XP\_965149.2 SSCL|APA05911.1

>Orthogroup3173: ANID|CBF84890.1 BCIN|XP\_001558877.1 BGRA|VDB93687.1 CFRU|XP\_031892391.1 CGLO|KAF3812283.1 CHIG|XP\_018153509.1 CVIN|KAF4919886.1 CVYL|A00099 FGRM|XP\_011316096.1 MGRA|XP\_003857162.1 MLAR|XP\_007415459.1 MORY|QBZ55567.1 NCRA|XP\_958915.1 SSCL|APA05778.1

>Orthogroup3174: ANID|CBF84893.1 BCIN|XP\_001558878.1 BGRA|VDB93700.1 CFRU|XP\_031892392.1 CGLO|KAF3812284.1 CHIG|XP\_018153510.1 CVIN|KAF4919885.1 CVYL|A00098 FGRM|XP\_011316097.1 MGRA|XP\_003856327.1 MLAR|XP\_007404683.1 MORY|QBZ55568.1 NCRA|XP\_001728408.1 SSCL|APA05779.1

>Orthogroup3175: ANID|CBF84903.1 BCIN|XP\_024546940.1 BGRA|VDB93715.1 CFRU|XP\_031890418.1 CGLO|KAF3804799.1 CHIG|XP\_018164293.1 CVIN|KAF4929753.1 CVYL|A12272 FGRM|XP\_011316298.1 MGRA|XP\_003856646.1 MLAR|XP\_007404455.1 MORY|QBZ55352.1 NCRA|XP\_963926.2 SSCL|APA05800.1

>Orthogroup3176: ANID|CBF84905.1 BCIN|XP\_024548964.1 CFRU|XP\_031882589.1 CGLO|KAF3800489.1 CGLO|KAF3809006.1 CHIG|XP\_018152283.1 CHIG|XP\_018161083.1 CVIN|KAF4916333.1 CVYL|A13224 FGRM|XP\_011323672.1 MGRA|XP\_003857156.1 MORY|QBZ53776.1 NCRA|XP\_956304.2 SSCL|APA09490.1

>Orthogroup3177: ANID|CBF84906.1 BCIN|XP\_024548847.1 BGRA|VDB89405.1 CFRU|XP\_031885771.1 CGLO|KAF3810056.1 CHIG|XP\_018157771.1 CVIN|KAF4898735.1 CVYL|A02653 FGRM|XP\_011321149.1 MGRA|XP\_003856547.1 MLAR|XP\_007416691.1 MORY|QBZ53619.1 NCRA|XP\_963415.1 SSCL|APA09473.1

>Orthogroup3178: ANID|CBF84932.1 BCIN|XP\_001561401.1 BGRA|VDB90756.1 CFRU|XP\_031888233.1 CGLO|KAF3803475.1 CHIG|XP\_018164005.1 CVIN|KAF4926345.1 CVYL|A14405 FGRM|XP\_011316865.1 MGRA|XP\_003852649.1 MLAR|XP\_007419223.1 MORY|QBZ55348.1 NCRA|XP\_965448.1 SSCL|APA06912.1

>Orthogroup3179: ANID|CBF84937.1 BCIN|XP\_001561379.1 BGRA|VDB90703.1 CFRU|XP\_031888240.1 CGLO|KAF3803469.1 CHIG|XP\_018163999.1 CVIN|KAF4926318.1 CVYL|A14399 FGRM|XP\_011326486.1 MGRA|XP\_003852606.1 MLAR|XP\_007408730.1 MORY|QBZ63488.1 NCRA|XP\_958483.1 SSCL|APA06891.1

>Orthogroup3180: ANID|CBF84947.1 BCIN|XP\_001561403.1 BGRA|VDB90751.1 CFRU|XP\_031888451.1 CGLO|KAF3803485.1 CHIG|XP\_018164015.1 CVIN|KAF4926314.1 CVYL|A14414 FGRM|XP\_011316984.1 MGRA|XP\_003853127.1 MLAR|XP\_007405247.1 MORY|QBZ55339.1 NCRA|XP\_965458.1 SSCL|APA06914.1

>Orthogroup3181: ANID|CBF84964.1 BCIN|XP\_024548861.1 BGRA|VCU40250.1 CFRU|XP\_031890605.1 CGLO|KAF3805264.1 CHIG|XP\_018158811.1 CVIN|KAF4918689.1 CVYL|A13913 FGRM|XP\_011317299.1 MGRA|XP\_003852651.1 MLAR|XP\_007412559.1 MORY|QBZ60365.1 NCRA|XP\_965271.1 SSCL|APA09438.1

>Orthogroup3182: ANID|CBF84968.1 BCIN|XP\_024551184.1 BGRA|VCU39517.1 CFRU|XP\_031893495.1 CGLO|KAF3808000.1 CHIG|XP\_018152379.1 CVIN|KAF4895815.1 CVYL|A09482 FGRM|XP\_011317730.1 MGRA|XP\_003848393.1 MLAR|XP\_007416022.1 MORY|QBZ54477.1 NCRA|XP\_959176.1 SSCL|APA10159.1

>Orthogroup3183: ANID|CBF84996.1 BCIN|XP\_001554078.1 BGRA|VDB88829.1 CFRU|XP\_031888380.1 CGLO|KAF3803635.1 CHIG|XP\_018163824.1 CVIN|KAF4913952.1 CVYL|A14570 FGRM|XP\_011317064.1 MGRA|XP\_003851857.1 MLAR|XP\_007412308.1 MORY|QBZ54692.1 NCRA|XP\_011393313.1 SSCL|APA05563.1

>Orthogroup3184: ANID|CBF85017.1 BCIN|XP\_001548628.2 BGRA|VCU40245.1 CFRU|XP\_031890633.1 CGLO|KAF3805283.1 CHIG|XP\_018158603.1 CVIN|KAF4926002.1 CVYL|A13935 FGRM|XP\_011316640.1 MGRA|XP\_003852376.1 MLAR|XP\_007412382.1 MORY|QBZ60503.1 NCRA|XP\_965696.2 SSCL|APA09646.1

>Orthogroup3185: ANID|CBF85019.1 BCIN|XP\_001548629.1 BGRA|VCU40246.1 CFRU|XP\_031890632.1 CGLO|KAF3805284.1 CHIG|XP\_018158604.1 CVIN|KAF4926001.1 CVYL|A13936 FGRM|XP\_011316638.1 MGRA|XP\_003852435.1 MLAR|XP\_007409243.1 MORY|QBZ60504.1 NCRA|XP\_965695.1 SSCL|APA09645.1

>Orthogroup3186: ANID|CBF85028.1 BCIN|XP\_001553722.1 BGRA|VDB93691.1 CFRU|XP\_031892725.1 CGLO|KAF3812253.1 CHIG|XP\_018153455.1 CVIN|KAF4919939.1 CVYL|A00132 FGRM|XP\_011316945.1 MGRA|XP\_003857125.1 MLAR|XP\_007405363.1 MORY|QBZ55261.1 NCRA|XP\_965347.3 SSCL|APA13493.1

>Orthogroup3187: ANID|CBF85037.1 BCIN|XP\_024553259.1 BGRA|VDB93723.1 CFRU|XP\_031882841.1 CGLO|KAF3803425.1 CHIG|XP\_018163909.1 CVIN|KAF4926327.1 CVYL|A14355 FGRM|XP\_011316994.1 MGRA|XP\_003857138.1 MLAR|XP\_007415560.1 MORY|QBZ62791.1 NCRA|XP\_965434.3 SSCL|APA13580.1

>Orthogroup3188: ANID|CBF85039.1 BCIN|XP\_024553258.1 BGRA|VDB93711.1 CFRU|XP\_031882840.1 CGLO|KAF3803424.1 CHIG|XP\_018163908.1 CVIN|KAF4926330.1 CVYL|A14354 FGRM|XP\_011316993.1 MGRA|XP\_003857037.1 MLAR|XP\_007411986.1 MORY|QBZ62789.1 NCRA|XP\_965433.3 SSCL|APA13581.1

>Orthogroup3189: ANID|CBF85046.1 BCIN|XP\_001547946.1 BGRA|VDB93662.1 CFRU|XP\_031892649.1 CGLO|KAF3812267.1 CHIG|XP\_018153490.1 CVIN|KAF4919911.1 CVYL|A00118 FGRM|XP\_011324160.1 MGRA|XP\_003856612.1 MLAR|XP\_007406582.1 MORY|QBZ55271.1 NCRA|XP\_965159.1 SSCL|APA13605.1

>Orthogroup3190: ANID|CBF85065.1 BCIN|XP\_024547062.1 BGRA|VDB93673.1 CFRU|XP\_031882894.1 CGLO|KAF3812089.1 CHIG|XP\_018164160.1 CVIN|KAF4915994.1 CVYL|A14267 FGRM|XP\_011316186.1 MGRA|XP\_003857153.1 MLAR|XP\_007416109.1 MORY|QBZ55557.1 NCRA|XP\_011393063.1 SSCL|APA06133.1

>Orthogroup3191: ANID|CBF85067.1 BCIN|XP\_001553748.1 BGRA|VDB93674.1 CFRU|XP\_031890661.1 CGLO|KAF3804939.1 CHIG|XP\_018164441.1 CVIN|KAF4919435.1 CVYL|A12115 FGRM|XP\_011316883.1 MGRA|XP\_003856740.1 MLAR|XP\_007409768.1 MORY|QBZ55558.1 NCRA|XP\_963893.2 SSCL|APA06132.1

>Orthogroup3192: ANID|CBF85069.1 BCIN|XP\_001553764.1 BGRA|VDB93677.1 CFRU|XP\_031888559.1 CGLO|KAF3803605.1 CHIG|XP\_018163858.1 CVIN|KAF4920380.1 CVYL|A14540 FGRM|XP\_011316314.1 MGRA|XP\_003856983.1 MLAR|XP\_007407594.1 MORY|QBZ62998.1 NCRA|XP\_958134.1 SSCL|APA06117.1

>Orthogroup3193: ANID|CBF85098.1 BCIN|XP\_024546182.1 BGRA|VDB90500.1 CFRU|XP\_031890397.1 CGLO|KAF3804808.1 CHIG|XP\_018164305.1 CVIN|KAF4929817.1 CVYL|A12263 FGRM|XP\_011317053.1 MGRA|XP\_003852609.1 MLAR|XP\_007415359.1 MORY|QBZ54743.1 NCRA|XP\_011393273.1 SSCL|APA07046.1

>Orthogroup3194: ANID|CBF85109.1 BCIN|XP\_024546543.1 BGRA|VDB90818.1 CFRU|XP\_031890600.1 CHIG|XP\_018164325.1 CVIN|KAF4929820.1 CVYL|A12259 FGRM|XP\_011317050.1 MGRA|XP\_003852328.1 MLAR|XP\_007403626.1 MLAR|XP\_007410009.1 MORY|QBZ54739.1 NCRA|XP\_964692.1 SSCL|APA06719.1

>Orthogroup3195: ANID|CBF85111.1 BCIN|XP\_024546542.1 BGRA|VDB90819.1 CFRU|XP\_031890599.1 CGLO|KAF3804814.1 CHIG|XP\_018164326.1 CVIN|KAF4929819.1 CVYL|A12260 FGRM|XP\_011317051.1 MGRA|XP\_003852488.1 MLAR|XP\_007404249.1 MORY|QBZ54740.1 NCRA|XP\_964693.2 SSCL|APA06720.1

>Orthogroup3196: ANID|CBF85122.1 BCIN|XP\_001550344.1 BGRA|VDB84104.1 CFRU|XP\_031876039.1 CGLO|KAF3805239.1 CHIG|XP\_018158835.1 CVIN|KAF4918672.1 CVYL|A13886 FGRM|XP\_011317209.1 MGRA|XP\_003852656.1 MLAR|XP\_007416885.1 MORY|QBZ62495.1 NCRA|XP\_963855.1 SSCL|APA10047.1

>Orthogroup3197: ANID|CBF85252.1 BCIN|XP\_024550946.1 BGRA|VCU40931.1 CFRU|XP\_031880209.1 CGLO|KAF3809079.1 CHIG|XP\_018155919.1 CVIN|KAF4919740.1 CVYL|A01633 FGRM|XP\_011318894.1 MGRA|XP\_003851179.1 MLAR|XP\_007403950.1 MORY|QBZ57365.1 NCRA|XP\_961057.1 SSCL|APA11714.1

>Orthogroup3198: ANID|CBF85271.1 BCIN|XP\_024546283.1 BGRA|VDB90828.1 CFRU|XP\_031890641.1 CGLO|KAF3804924.1 CHIG|XP\_018164423.1 CVIN|KAF4919405.1 CVYL|A12130 FGRM|XP\_011320448.1 MGRA|XP\_003851181.1 MLAR|XP\_007404988.1 MORY|QBZ63764.1 NCRA|XP\_959172.2 SSCL|APA06946.1

>Orthogroup3199: ANID|CBF85301.1 BCIN|XP\_024549584.1 BGRA|VDB89366.1 CFRU|XP\_031891471.1 CGLO|KAF3804495.1 CHIG|XP\_018160323.1 CVIN|KAF4930979.1 CVYL|A04210 FGRM|XP\_011324748.1 MGRA|XP\_003851254.1 MLAR|XP\_007416851.1 MORY|QBZ59105.1 NCRA|XP\_961117.3 SSCL|APA13971.1

>Orthogroup3200: ANID|CBF85312.1 BCIN|XP\_024546429.1 BGRA|VCU40689.1 CFRU|XP\_031876041.1 CGLO|KAF3805241.1 CHIG|XP\_018158833.1 CVIN|KAF4918660.1 CVYL|A13888 FGRM|XP\_011317294.1 MGRA|XP\_003853443.1 MLAR|XP\_007417851.1 MORY|QBZ60345.1 NCRA|XP\_011393028.1 SSCL|APA07109.1

>Orthogroup3201: ANID|CBF85319.1 BCIN|XP\_024549377.1 BGRA|VCU40688.1 CFRU|XP\_031876052.1 CGLO|KAF3805243.1 CHIG|XP\_018158831.1 CVIN|KAF4918653.1 CVYL|A13891 FGRM|XP\_011317320.1 MGRA|XP\_003852965.1 MLAR|XP\_007416372.1 MORY|QBZ60348.1 NCRA|XP\_963944.1 SSCL|APA08950.1

>Orthogroup3202: ANID|CBF85327.1 BCIN|XP\_024549123.1 BGRA|VCU39883.1 CFRU|XP\_031889555.1 CGLO|KAF3810440.1 CHIG|XP\_018159177.1 CVIN|KAF4924619.1 CVYL|A13845 FGRM|XP\_011327296.1 MGRA|XP\_003857309.1 MLAR|XP\_007418400.1 MORY|QBZ62546.1 NCRA|XP\_011395274.1 SSCL|APA08842.1

>Orthogroup3203: ANID|CBF85385.1 BCIN|XP\_001556540.1 BGRA|VCU40815.1 CFRU|XP\_031889529.1 CGLO|KAF3810448.1 CHIG|XP\_018151472.1 CVIN|KAF4924618.1 CVYL|A13900 FGRM|XP\_011327301.1 MGRA|XP\_003852993.1 MLAR|XP\_007405008.1 MORY|QBZ56887.1 NCRA|XP\_959629.1 SSCL|APA06802.1

>Orthogroup3204: ANID|CBF85389.1 BCIN|XP\_001556410.2 BGRA|VCU40874.1 CFRU|XP\_031879646.1 CGLO|KAF3802693.1 CHIG|XP\_018151480.1 CVIN|KAF4899840.1 CVYL|A08018 FGRM|XP\_011327274.1 MGRA|XP\_003852139.1 MLAR|XP\_007403550.1 MORY|QBZ58700.1 NCRA|XP\_958035.1 SSCL|APA06836.1

>Orthogroup3205: ANID|CBF85391.1 BCIN|XP\_024546649.1 BGRA|VCU40828.1 CFRU|XP\_031889786.1 CGLO|KAF3810446.1 CHIG|XP\_018151474.1 CVIN|KAF4924624.1 CVYL|A13889 FGRM|XP\_011327300.1 MGRA|XP\_003852108.1 MLAR|XP\_007406441.1 MORY|QBZ56888.1 NCRA|XP\_959276.3 SSCL|APA06801.1

>Orthogroup3206: ANID|CBF85394.1 BCIN|XP\_024546718.1 BGRA|VCU40875.1 CFRU|XP\_031879581.1 CGLO|KAF3802691.1 CHIG|XP\_018151479.1 CVIN|KAF4889149.1 CVYL|A08016 FGRM|XP\_011327275.1 MGRA|XP\_003852686.1 MLAR|XP\_007415679.1 MORY|QBZ58701.1 NCRA|XP\_958036.1 SSCL|APA06835.1

>Orthogroup3207: ANID|CBF85409.1 BCIN|XP\_024546240.1 BGRA|VDB92561.1 CFRU|XP\_031889559.1 CGLO|KAF3810462.1 CHIG|XP\_018159195.1 CVIN|KAF4924612.1 CVYL|A14056 FGRM|XP\_011327328.1 MGRA|XP\_003856303.1 MLAR|XP\_007404838.1 MORY|QBZ62541.1 NCRA|XP\_959678.3 SSCL|APA06987.1

>Orthogroup3208: ANID|CBF85413.1 BCIN|XP\_001560984.1 BGRA|VDB92858.1 CFRU|XP\_031889564.1 CGLO|KAF3805870.1 CHIG|XP\_018158873.1 CVIN|KAF4920767.1 CVYL|A13843 FGRM|XP\_011323405.1 FGRM|XP\_011326151.1 MGRA|XP\_003852930.1 MORY|QBZ60506.1 NCRA|XP\_965716.3 SSCL|APA06699.1

>Orthogroup3209: ANID|CBF85414.1 BCIN|XP\_001557972.1 BGRA|VDB92741.1 CFRU|XP\_031887765.1 CGLO|KAF3803273.1 CHIG|XP\_018161122.1 CVIN|KAF4928638.1 CVYL|A03708 FGRM|XP\_011327960.1 MGRA|XP\_003849542.1 MLAR|XP\_007404581.1 MORY|QBZ58368.1 NCRA|XP\_961964.1 SSCL|APA12678.1

>Orthogroup3210: ANID|CBF85416.1 BCIN|XP\_024546657.1 BGRA|VCU40827.1 CFRU|XP\_031879629.1 CGLO|KAF3802679.1 CHIG|XP\_018159160.1 CVIN|KAF4920400.1 CVYL|A08070 FGRM|XP\_011327319.1 MGRA|XP\_003853003.1 MLAR|XP\_007403598.1 MORY|QBZ57771.1 NCRA|XP\_958751.2 SSCL|APA06808.1

>Orthogroup3211: ANID|CBF85442.1 BCIN|XP\_024552490.1 BGRA|VDB87775.1 CFRU|XP\_031885588.1 CGLO|KAF3810203.1 CHIG|XP\_018157824.1 CVIN|KAF4929177.1 CVYL|A02798 FGRM|XP\_011328533.1 MGRA|XP\_003853069.1 MLAR|XP\_007405097.1 MORY|QBZ64935.1 NCRA|XP\_960181.2 SSCL|APA08517.1

>Orthogroup3212: ANID|CBF85447.1 BCIN|XP\_024552483.1 BGRA|VDB87808.1 CFRU|XP\_031885629.1 CGLO|KAF3810145.1 CHIG|XP\_018157975.1 CVIN|KAF4929153.1 CVYL|A02734 FGRM|XP\_011328541.1 MGRA|XP\_003853334.1 MLAR|XP\_007408784.1 MORY|QBZ56103.1 NCRA|XP\_957689.1 SSCL|APA08529.1

>Orthogroup3213: ANID|CBF85449.1 BCIN|XP\_001555328.1 BGRA|VDB87896.1 CFRU|XP\_031883375.1 CGLO|KAF3801723.1 CHIG|XP\_018159238.1 CVIN|KAF4922944.1 CVYL|A12978 FGRM|XP\_011320401.1 MGRA|XP\_003853451.1 MLAR|XP\_007407971.1 MORY|QBZ62852.1 NCRA|XP\_960152.1 SSCL|APA08614.1

>Orthogroup3214: ANID|CBF85453.1 ANID|CBF89453.1 BCIN|XP\_024547851.1 BGRA|VDB90383.1 CFRU|XP\_031890828.1 CGLO|KAF3801607.1 CHIG|XP\_018151366.1 CVIN|KAF4922692.1 CVYL|A12529 FGRM|XP\_011328215.1 MGRA|XP\_003853763.1 MORY|QBZ55460.1 NCRA|XP\_960226.3 SSCL|APA08166.1

>Orthogroup3215: ANID|CBF85480.1 BCIN|XP\_024552491.1 BGRA|VDB87773.1 CFRU|XP\_031885592.1 CGLO|KAF3810206.1 CHIG|XP\_018157828.1 CVIN|KAF4929183.1 CVYL|A02802 FGRM|XP\_011328535.1 MGRA|XP\_003853338.1 MLAR|XP\_007410671.1 MORY|QBZ64937.1 NCRA|XP\_960179.1 SSCL|APA08516.1

>Orthogroup3216: ANID|CBF85486.1 BCIN|XP\_024552486.1 BGRA|VDB87696.1 CFRU|XP\_031885590.1 CGLO|KAF3810202.1 CHIG|XP\_018157823.1 CVIN|KAF4929178.1 CVYL|A02797 FGRM|XP\_011328532.1 MGRA|XP\_003856467.1 MLAR|XP\_007410557.1 MORY|QBZ64933.1 NCRA|XP\_011395015.1 SSCL|APA08523.1

>Orthogroup3217: ANID|CBF85494.1 BCIN|XP\_024552625.1 BGRA|VDB87902.1 CFRU|XP\_031878331.1 CGLO|KAF3798048.1 CHIG|XP\_018158095.1 CVIN|KAF4928011.1 CVYL|A08308 FGRM|XP\_011328461.1 MGRA|XP\_003852974.1 MLAR|XP\_007418766.1 MORY|QBZ62732.1 NCRA|XP\_957655.1 SSCL|APA08714.1

>Orthogroup3218: ANID|CBF85496.1 BCIN|XP\_001556307.1 BGRA|VDB87880.1 CFRU|XP\_031885795.1 CGLO|KAF3810115.1 CHIG|XP\_018157867.1 CVIN|KAF4910239.1 CVYL|A02707 FGRM|XP\_011320304.1 MGRA|XP\_003857311.1 MLAR|XP\_007409825.1 MORY|QBZ62264.1 NCRA|XP\_957692.1 SSCL|APA15693.1

>Orthogroup3219: ANID|CBF85498.1 BCIN|XP\_001556310.1 BGRA|VDB87858.1 CFRU|XP\_031885756.1 CGLO|KAF3810180.1 CHIG|XP\_018157799.1 CVIN|KAF4929165.1 CVYL|A02772 FGRM|XP\_011320116.1 MGRA|XP\_003854203.1 MGRA|XP\_003856466.1 MLAR|XP\_007407526.1 NCRA|XP\_957547.1 SSCL|APA15696.1

>Orthogroup3220: ANID|CBF85505.1 BCIN|XP\_024550609.1 BGRA|VCU40781.1 CFRU|XP\_031889085.1 CGLO|KAF3797670.1 CHIG|XP\_018155443.1 CVIN|KAF4919364.1 CVYL|A01100 FGRM|XP\_011323889.1 MGRA|XP\_003853584.1 MLAR|XP\_007410677.1 MORY|QBZ57696.1 NCRA|XP\_958786.1 SSCL|APA11423.1

>Orthogroup3221: ANID|CBF85511.1 BCIN|XP\_024553634.1 BGRA|VDB87608.1 CFRU|XP\_031890806.1 CGLO|KAF3801635.1 CHIG|XP\_018151400.1 CVIN|KAF4921221.1 CVYL|A12502 FGRM|XP\_011328449.1 MGRA|XP\_003853485.1 MLAR|XP\_007416406.1 MORY|QBZ62686.1 NCRA|XP\_957956.3 SSCL|APA08566.1

>Orthogroup3222: ANID|CBF85512.1 BCIN|XP\_024553630.1 CFRU|XP\_031890808.1 CGLO|KAF3801633.1 CHIG|XP\_018151397.1 CHIG|XP\_018151398.1 CVIN|KAF4921219.1 CVYL|A12504 FGRM|XP\_011328447.1 MGRA|XP\_003852932.1 MLAR|XP\_007405457.1 MORY|QBZ62684.1 NCRA|XP\_957953.2 SSCL|APA08568.1

>Orthogroup3223: ANID|CBF85523.1 BCIN|XP\_024552526.1 BGRA|VDB91225.1 BGRA|VDB91227.1 CFRU|XP\_031876831.1 CGLO|KAF3810305.1 CHIG|XP\_018158010.1 CVIN|KAF4918589.1 CVYL|A11254 FGRM|XP\_011328464.1 MGRA|XP\_003852086.1 MORY|QBZ62618.1 NCRA|XP\_957657.3 SSCL|APA08608.1

>Orthogroup3224: ANID|CBF85530.1 BCIN|XP\_001557034.1 BGRA|VDB87659.1 CFRU|XP\_031891011.1 CGLO|KAF3801640.1 CHIG|XP\_018151407.1 CVIN|KAF4921238.1 CVYL|A12496 FGRM|XP\_011328454.1 MGRA|XP\_003852869.1 MLAR|XP\_007417277.1 MORY|QBZ64401.1 NCRA|XP\_957682.1 SSCL|APA08493.1

>Orthogroup3225: ANID|CBF85539.1 BCIN|XP\_024550616.1 BGRA|VCU40774.1 CFRU|XP\_031889215.1 CGLO|KAF3808737.1 CHIG|XP\_018155638.1 CVIN|KAF4929586.1 CVYL|A00925 FGRM|XP\_011318078.1 MGRA|XP\_003856187.1 MLAR|XP\_007413338.1 MORY|QBZ65001.1 NCRA|XP\_960205.1 SSCL|APA11433.1

>Orthogroup3226: ANID|CBF85545.1 BCIN|XP\_001546899.2 BGRA|VDB92917.1 CFRU|XP\_031890805.1 CGLO|KAF3801634.1 CHIG|XP\_018151399.1 CVIN|KAF4921222.1 CVYL|A12503 FGRM|XP\_011328448.1 MGRA|XP\_003852934.1 MLAR|XP\_007405994.1 MORY|QBZ62685.1 NCRA|XP\_957955.2 SSCL|APA08567.1

>Orthogroup3227: ANID|CBF85548.1 BCIN|XP\_024553636.1 BGRA|VDB89724.1 CFRU|XP\_031890809.1 CGLO|KAF3801638.1 CHIG|XP\_018151403.1 CVIN|KAF4921226.1 CVYL|A12499 FGRM|XP\_011328452.1 MGRA|XP\_003852725.1 MLAR|XP\_007419189.1 MORY|QBZ62688.1 NCRA|XP\_957892.2 SSCL|APA08565.1

>Orthogroup3228: ANID|CBF85550.1 BCIN|XP\_024547995.1 BCIN|XP\_024552659.1 CFRU|XP\_031890785.1 CGLO|KAF3801653.1 CHIG|XP\_018150753.1 CHIG|XP\_018151424.1 CVIN|KAF4921231.1 CVYL|A12483 FGRM|XP\_011328848.1 MORY|QBZ56064.1 NCRA|XP\_011395077.1 SSCL|APA13434.1 SSCL|APA15555.1

>Orthogroup3229: ANID|CBF85637.1 BCIN|XP\_024552355.1 CFRU|XP\_031880600.1 CGLO|KAF3805414.1 CGLO|KAF3811537.1 CHIG|XP\_018156700.1 CHIG|XP\_018160796.1 CVIN|KAF4917755.1 CVIN|KAF4926743.1 CVYL|A04747 CVYL|A11060 FGRM|XP\_011325953.1 NCRA|XP\_960272.3 NCRA|XP\_962183.2

>Orthogroup3230: ANID|CBF85650.1 BCIN|XP\_024553129.1 BGRA|VDB92726.1 CFRU|XP\_031892003.1 CGLO|KAF3809706.1 CHIG|XP\_018164913.1 CVIN|KAF4921914.1 CVYL|A06629 FGRM|XP\_011318146.1 FGRM|XP\_011324988.1 MGRA|XP\_003852036.1 MORY|QBZ56723.1 NCRA|XP\_965561.3 SSCL|APA13030.1

>Orthogroup3231: ANID|CBF85673.1 BCIN|XP\_024546287.1 BGRA|VDB90829.1 CFRU|XP\_031882732.1 CGLO|KAF3803418.1 CHIG|XP\_018163901.1 CVIN|KAF4918431.1 CVYL|A14347 CVYL|A14348 FGRM|XP\_011316783.1 MGRA|XP\_003851228.1 MORY|QBZ56440.1 NCRA|XP\_965407.2 SSCL|APA06939.1

>Orthogroup3232: ANID|CBF85675.1 BCIN|XP\_001545954.1 BGRA|VDB90804.1 CFRU|XP\_031888269.1 CGLO|KAF3803507.1 CHIG|XP\_018164038.1 CVIN|KAF4908042.1 CVYL|A14437 FGRM|XP\_011316787.1 MGRA|XP\_003850710.1 MLAR|XP\_007407487.1 MORY|QBZ62809.1 NCRA|XP\_958487.1 SSCL|APA07038.1

>Orthogroup3233: ANID|CBF85686.1 BCIN|XP\_024553730.1 BGRA|VDB93448.1 CFRU|XP\_031885209.1 CGLO|KAF3800347.1 CHIG|XP\_018162836.1 CVIN|KAF4914536.1 CVYL|A07486 FGRM|XP\_011326408.1 MGRA|XP\_003854311.1 MLAR|XP\_007412312.1 MORY|QBZ63238.1 NCRA|XP\_958612.1 SSCL|APA15119.1

>Orthogroup3234: ANID|CBF85723.1 BCIN|XP\_024552674.1 CFRU|XP\_031885794.1 CGLO|KAF3810114.1 CHIG|XP\_018157866.1 CVIN|KAF4910238.1 CVYL|A02706 FGRM|XP\_011328527.1 MGRA|XP\_003856468.1 MLAR|XP\_007412317.1 MLAR|XP\_007416729.1 MORY|QBZ64954.1 NCRA|XP\_957693.2 SSCL|APA15539.1

>Orthogroup3235: ANID|CBF85733.1 BCIN|XP\_024552667.1 BGRA|VDB87788.1 CFRU|XP\_031885666.1 CGLO|KAF3810236.1 CHIG|XP\_018157880.1 CVIN|KAF4929089.1 CVYL|A02836 FGRM|XP\_011325092.1 MGRA|XP\_003853071.1 MLAR|XP\_007418590.1 MORY|QBZ53907.1 NCRA|XP\_957639.1 SSCL|APA15550.1

>Orthogroup3236: ANID|CBF85735.1 BCIN|XP\_001547036.1 BGRA|VDB87689.1 CFRU|XP\_031885669.1 CGLO|KAF3810237.1 CHIG|XP\_018157878.1 CVIN|KAF4929088.1 CVYL|A02837 FGRM|XP\_011325093.1 MGRA|XP\_003853436.1 MLAR|XP\_007416454.1 MORY|QBZ53906.1 NCRA|XP\_957637.1 SSCL|APA15551.1

>Orthogroup3237: ANID|CBF85741.1 BCIN|XP\_024553611.1 BGRA|VDB83814.1 CFRU|XP\_031885822.1 CGLO|KAF3810133.1 CHIG|XP\_018157965.1 CVIN|KAF4912132.1 CVYL|A02723 FGRM|XP\_011328245.1 MGRA|XP\_003853530.1 MLAR|XP\_007412985.1 MORY|QBZ59271.1 NCRA|XP\_957567.3 SSCL|APA08457.1

>Orthogroup3238: ANID|CBF85742.1 BCIN|XP\_024552520.1 BGRA|VDB87676.1 CFRU|XP\_031889175.1 CGLO|KAF3797660.1 CHIG|XP\_018155433.1 CHIG|XP\_018164200.1 CVIN|KAF4919363.1 CVYL|A01110 FGRM|XP\_011318127.1 MGRA|XP\_003853439.1 MORY|QBZ57708.1 NCRA|XP\_960308.3 SSCL|APA08472.1

>Orthogroup3239: ANID|CBF85744.1 BCIN|XP\_024553574.1 BGRA|VDB87677.1 CFRU|XP\_031889429.1 CGLO|KAF3808741.1 CHIG|XP\_018155634.1 CVIN|KAF4929582.1 CVYL|A00921 FGRM|XP\_011318142.1 MGRA|XP\_003853540.1 MLAR|XP\_007417358.1 MORY|QBZ64467.1 NCRA|XP\_960166.3 SSCL|APA08431.1

>Orthogroup3240: ANID|CBF85769.1 BCIN|XP\_001549657.1 BGRA|VDB87697.1 CFRU|XP\_031889426.1 CGLO|KAF3808742.1 CGLO|KAF3811664.1 CHIG|XP\_018155632.1 CVIN|KAF4929580.1 CVYL|A00919 FGRM|XP\_011325079.1 MGRA|XP\_003852954.1 MORY|QBZ64466.1 NCRA|XP\_960167.1 SSCL|APA11413.1

>Orthogroup3241: ANID|CBF85805.1 BCIN|XP\_001554737.1 BGRA|VDB89731.1 CFRU|XP\_031885755.1 CGLO|KAF3810181.1 CHIG|XP\_018157800.1 CVIN|KAF4929164.1 CVYL|A02773 MGRA|XP\_003851167.1 MGRA|XP\_003851850.1 MLAR|XP\_007417561.1 MORY|QBZ61283.1 NCRA|XP\_960149.1 SSCL|APA15472.1

>Orthogroup3242: ANID|CBF85808.1 BCIN|XP\_001554781.1 BGRA|VDB87751.1 CFRU|XP\_031889197.1 CGLO|KAF3803172.1 CHIG|XP\_018155504.1 CVIN|KAF4928344.1 CVYL|A01060 FGRM|XP\_011323867.1 MGRA|XP\_003853415.1 MLAR|XP\_007405314.1 MORY|QBZ58642.1 NCRA|XP\_958781.1 SSCL|APA15506.1

>Orthogroup3243: ANID|CBF85812.1 BCIN|XP\_001555093.1 BGRA|VCU40793.1 CFRU|XP\_031885791.1 CGLO|KAF3810111.1 CHIG|XP\_018157863.1 CVIN|KAF4910242.1 CVYL|A02704 FGRM|XP\_011319965.1 MGRA|XP\_003853440.1 MLAR|XP\_007407573.1 MORY|QBZ59276.1 NCRA|XP\_957635.1 SSCL|APA08463.1

>Orthogroup3244: ANID|CBF85815.1 BCIN|XP\_024553588.1 BGRA|VDB87888.1 CFRU|XP\_031885800.1 CGLO|KAF3810110.1 CHIG|XP\_018157862.1 CVIN|KAF4910236.1 CVYL|A02703 FGRM|XP\_011319966.1 MGRA|XP\_003857212.1 MLAR|XP\_007413869.1 MORY|QBZ59280.1 NCRA|XP\_960443.1 SSCL|APA08441.1

>Orthogroup3245: ANID|CBF85824.1 BCIN|XP\_001546896.2 BGRA|VDB89735.1 CFRU|XP\_031883409.1 CGLO|KAF3801713.1 CHIG|XP\_018159229.1 CVIN|KAF4915638.1 CVYL|A12986 FGRM|XP\_011320148.1 MGRA|XP\_003852732.1 MLAR|XP\_007409264.1 MORY|QBZ62860.1 NCRA|XP\_960155.2 SSCL|APA08569.1

>Orthogroup3246: ANID|CBF85832.1 BCIN|XP\_001557047.1 BGRA|VDB87796.1 CFRU|XP\_031885854.1 CGLO|KAF3810222.1 CHIG|XP\_018157847.1 CVIN|KAF4929188.1 CVYL|A02819 FGRM|XP\_011320324.1 MGRA|XP\_003857295.1 MLAR|XP\_007404358.1 MORY|QBZ61294.1 NCRA|XP\_957611.1 SSCL|APA08502.1

>Orthogroup3247: ANID|CBF85850.1 BCIN|XP\_001556393.2 BGRA|VDB88204.1 CFRU|XP\_031885694.1 CGLO|KAF3810102.1 CHIG|XP\_018157853.1 CVIN|KAF4910251.1 CVYL|A02695 FGRM|XP\_011328219.1 MGRA|XP\_003853539.1 MLAR|XP\_007412398.1 MORY|QBZ53890.1 NCRA|XP\_957530.2 SSCL|APA08697.1

>Orthogroup3248: ANID|CBF85851.1 BCIN|XP\_024552866.1 BGRA|VDB93029.1 CFRU|XP\_031882380.1 CGLO|KAF3807619.1 CHIG|XP\_018156313.1 CVIN|KAF4921412.1 CVYL|A03134 FGRM|XP\_011319092.1 MGRA|XP\_003853016.1 MLAR|XP\_007411097.1 MORY|QBZ54549.1 NCRA|XP\_001728226.1 SSCL|APA16118.1

>Orthogroup3249: ANID|CBF85857.1 BCIN|XP\_001548203.1 BGRA|VDB88241.1 CFRU|XP\_031886294.1 CGLO|KAF3806178.1 CHIG|XP\_018162165.1 CVIN|KAF4931550.1 CVYL|A11764 FGRM|XP\_011326722.1 MGRA|XP\_003853394.1 MLAR|XP\_007411141.1 MORY|QBZ63146.1 NCRA|XP\_957749.2 SSCL|APA15581.1

>Orthogroup3250: ANID|CBF85883.1 BCIN|XP\_024552979.1 CFRU|XP\_031887144.1 CGLO|KAF3809211.1 CHIG|XP\_018156027.1 CVIN|KAF4925287.1 CVYL|A01400 FGRM|XP\_011319076.1 MGRA|XP\_003852898.1 MLAR|XP\_007410374.1 MLAR|XP\_007417029.1 MORY|QBZ57083.1 NCRA|XP\_961427.1 SSCL|APA16228.1

>Orthogroup3251: ANID|CBF85914.1 BCIN|XP\_001557645.2 BGRA|VDB88686.1 CFRU|XP\_031881322.1 CGLO|KAF3802506.1 CHIG|XP\_018154811.1 CVIN|KAF4919023.1 CVYL|A02098 FGRM|XP\_011316320.1 MGRA|XP\_003857079.1 MLAR|XP\_007410386.1 MORY|QBZ60967.1 NCRA|XP\_956297.1 SSCL|APA12282.1

>Orthogroup3252: ANID|CBF85920.1 BCIN|XP\_001554492.1 BGRA|VDB93040.1 CFRU|XP\_031885408.1 CGLO|KAF3799429.1 CHIG|XP\_018152302.1 CVIN|KAF4931737.1 CVYL|A13293 FGRM|XP\_011323653.1 MGRA|XP\_003857503.1 MLAR|XP\_007410268.1 MORY|QBZ64790.1 NCRA|XP\_955769.1 SSCL|APA11834.1

>Orthogroup3253: ANID|CBF85923.1 BCIN|XP\_024553096.1 BGRA|VCU39720.1 CFRU|XP\_031881299.1 CGLO|KAF3802467.1 CHIG|XP\_018154771.1 CVIN|KAF4916869.1 CVYL|A02060 FGRM|XP\_011325542.1 MGRA|XP\_003857498.1 MLAR|XP\_007405076.1 MORY|QBZ62055.1 NCRA|XP\_958573.1 SSCL|APA16309.1

>Orthogroup3254: ANID|CBF85929.1 BCIN|XP\_024553123.1 BGRA|VCU41250.1 CFRU|XP\_031891132.1 CGLO|KAF3801499.1 CHIG|XP\_018151929.1 CVIN|KAF4916399.1 CVYL|A12633 FGRM|XP\_011325494.1 MGRA|XP\_003856160.1 MLAR|XP\_007413283.1 MORY|QBZ63148.1 NCRA|XP\_963569.2 SSCL|APA16350.1

>Orthogroup3255: ANID|CBF85940.1 BCIN|XP\_024548420.1 BGRA|VDB92992.1 CFRU|XP\_031881246.1 CGLO|KAF3802496.1 CHIG|XP\_018154802.1 CVIN|KAF4919008.1 CVYL|A02088 FGRM|XP\_011316323.1 MGRA|XP\_003856412.1 MLAR|XP\_007411763.1 MORY|QBZ60964.1 NCRA|XP\_963428.2 SSCL|APA12275.1

>Orthogroup3256: ANID|CBF85945.1 BCIN|XP\_001550209.1 BGRA|VCU41248.1 CFRU|XP\_031890889.1 CGLO|KAF3801490.1 CHIG|XP\_018151921.1 CVIN|KAF4916384.1 CVYL|A12639 FGRM|XP\_011321180.1 MGRA|XP\_003856404.1 MLAR|XP\_007410486.1 MORY|QBZ55806.1 NCRA|XP\_963181.1 SSCL|APA16332.1

>Orthogroup3257: ANID|CBF85954.1 BCIN|XP\_001546404.1 BGRA|VDB88781.1 CFRU|XP\_031877963.1 CGLO|KAF3810903.1 CHIG|XP\_018154936.1 CVIN|KAF4916341.1 CVYL|A02242 FGRM|XP\_011324625.1 MGRA|XP\_003853313.1 MLAR|XP\_007416557.1 MORY|QBZ53819.1 NCRA|XP\_958194.1 SSCL|APA12259.1

>Orthogroup3258: ANID|CBF85960.1 BCIN|XP\_024553013.1 BGRA|VCU39710.1 CFRU|XP\_031885478.1 CGLO|KAF3799486.1 CHIG|XP\_018154471.1 CVIN|KAF4931822.1 CVYL|A13348 FGRM|XP\_011321193.1 MGRA|XP\_003856608.1 MLAR|XP\_007418585.1 MORY|QBZ57260.1 NCRA|XP\_963533.1 SSCL|APA16196.1

>Orthogroup3259: ANID|CBF85970.1 BCIN|XP\_024548293.1 BGRA|VCU40375.1 CFRU|XP\_031881789.1 CGLO|KAF3800696.1 CHIG|XP\_018157660.1 CVIN|KAF4900986.1 CVYL|A13023 FGRM|XP\_011325662.1 MGRA|XP\_003857221.1 MLAR|XP\_007407231.1 MORY|QBZ61259.1 NCRA|XP\_011393605.1 SSCL|APA12542.1

>Orthogroup3260: ANID|CBF85975.1 BCIN|XP\_001550360.1 BGRA|VDB84108.1 BGRA|VDB84124.1 CFRU|XP\_031890411.1 CGLO|KAF3805262.1 CHIG|XP\_018158813.1 CVIN|KAF4918686.1 CVYL|A13912 FGRM|XP\_011317307.1 MGRA|XP\_003853007.1 MORY|QBZ60363.1 NCRA|XP\_965273.1 SSCL|APA10056.1

>Orthogroup3261: ANID|CBF85983.1 BCIN|XP\_024550465.1 BGRA|VCU39400.1 CFRU|XP\_031885844.1 CGLO|KAF3810164.1 CHIG|XP\_018157783.1 CVIN|KAF4929158.1 CVYL|A02756 FGRM|XP\_011320315.1 MGRA|XP\_003854563.1 MLAR|XP\_007409967.1 MORY|QBZ62133.1 NCRA|XP\_958635.3 SSCL|APA11175.1

>Orthogroup3262: ANID|CBF85990.1 BCIN|XP\_024547839.1 BGRA|VDB90405.1 CFRU|XP\_031885820.1 CGLO|KAF3810244.1 CHIG|XP\_018157952.1 CVIN|KAF4910794.1 CVYL|A02845 FGRM|XP\_011319952.1 MGRA|XP\_003853700.1 MLAR|XP\_007405490.1 MORY|QBZ56051.1 NCRA|XP\_958807.2 SSCL|APA08155.1

>Orthogroup3263: ANID|CBF85997.1 BCIN|XP\_024552997.1 BGRA|VCU41235.1 CFRU|XP\_031885509.1 CGLO|KAF3799503.1 CHIG|XP\_018154488.1 CVIN|KAF4931866.1 CVYL|A13364 FGRM|XP\_011321244.1 MGRA|XP\_003857222.1 MLAR|XP\_007415426.1 MORY|QBZ57276.1 NCRA|XP\_011393451.1 SSCL|APA16207.1

>Orthogroup3264: ANID|CBF86025.1 BCIN|XP\_024553712.1 BGRA|VDB93381.1 CFRU|XP\_031886229.1 CGLO|KAF3806237.1 CHIG|XP\_018162072.1 CVIN|KAF4931580.1 CVYL|A11827 FGRM|XP\_011324016.1 MGRA|XP\_003853868.1 MLAR|XP\_007403500.1 MORY|QBZ61559.1 NCRA|XP\_957221.3 SSCL|APA15106.1

>Orthogroup3265: ANID|CBF86028.1 CFRU|XP\_031888616.1 CFRU|XP\_031888860.1 CGLO|KAF3804258.1 CGLO|KAF3808388.1 CVIN|KAF4909075.1 CVYL|A03924 CVYL|A03938 FGRM|XP\_011319603.1 FGRM|XP\_011320668.1 FGRM|XP\_011321082.1 MGRA|XP\_003850068.1 MGRA|XP\_003855285.1 SSCL|APA08453.1

>Orthogroup3266: ANID|CBF86080.1 BCIN|XP\_024553657.1 BGRA|VDB93440.1 CFRU|XP\_031893490.1 CGLO|KAF3808008.1 CHIG|XP\_018152372.1 CVIN|KAF4895809.1 CVYL|A09475 FGRM|XP\_011317736.1 MGRA|XP\_003854124.1 MLAR|XP\_007406363.1 MORY|QBZ54201.1 NCRA|XP\_961271.1 SSCL|APA15037.1

>Orthogroup3267: ANID|CBF86082.1 BCIN|XP\_001551107.1 BGRA|VDB93442.1 CFRU|XP\_031886558.1 CGLO|KAF3804042.1 CHIG|XP\_018162714.1 CVIN|KAF4927634.1 CVYL|A06996 FGRM|XP\_011326369.1 MGRA|XP\_003853734.1 MLAR|XP\_007417977.1 MORY|QBZ59306.1 NCRA|XP\_956791.1 SSCL|APA15036.1

>Orthogroup3268: ANID|CBF86086.1 BCIN|XP\_001552127.1 BGRA|VDB92850.1 CFRU|XP\_031886534.1 CGLO|KAF3804028.1 CHIG|XP\_018162742.1 CVIN|KAF4927569.1 CVYL|A06980 FGRM|XP\_011326378.1 MGRA|XP\_003854460.1 MLAR|XP\_007410679.1 MORY|QBZ59548.1 NCRA|XP\_957827.2 SSCL|APA05274.1

>Orthogroup3269: ANID|CBF86108.1 BCIN|XP\_024553648.1 BGRA|VDB89740.1 CFRU|XP\_031883402.1 CGLO|KAF3801727.1 CHIG|XP\_018159240.1 CVIN|KAF4922940.1 CVYL|A12974 FGRM|XP\_011320387.1 MGRA|XP\_003852731.1 MLAR|XP\_007412767.1 MORY|QBZ62846.1 NCRA|XP\_001728299.2 SSCL|APA08560.1

>Orthogroup3270: ANID|CBF86115.1 BCIN|XP\_024552628.1 BGRA|VDB88200.1 CFRU|XP\_031885811.1 CGLO|KAF3810099.1 CHIG|XP\_018157893.1 CVIN|KAF4910244.1 CVYL|A02692 FGRM|XP\_011328231.1 MGRA|XP\_003852962.1 MLAR|XP\_007406012.1 MORY|QBZ61304.1 NCRA|XP\_011394885.1 SSCL|APA08703.1

>Orthogroup3271: ANID|CBF86120.1 BCIN|XP\_024552454.1 BGRA|VCU40775.1 CFRU|XP\_031885779.1 CGLO|KAF3810092.1 CHIG|XP\_018157901.1 CVIN|KAF4891969.1 CVYL|A02686 FGRM|XP\_011320210.1 MGRA|XP\_003853449.1 MLAR|XP\_007418201.1 MORY|QBZ59269.1 NCRA|XP\_957630.3 SSCL|APA08555.1

>Orthogroup3272: ANID|CBF86122.1 BCIN|XP\_024552455.1 BGRA|VCU40776.1 CFRU|XP\_031885780.1 CGLO|KAF3810093.1 CHIG|XP\_018157900.1 CVIN|KAF4892591.1 CVYL|A02687 FGRM|XP\_011320211.1 MGRA|XP\_003852960.1 MLAR|XP\_007404740.1 MORY|QBZ59268.1 NCRA|XP\_957629.2 SSCL|APA08554.1

>Orthogroup3273: ANID|CBF86124.1 BCIN|XP\_001547330.1 BGRA|VDB87661.1 CFRU|XP\_031883275.1 CGLO|KAF3801720.1 CHIG|XP\_018159235.1 CVIN|KAF4922945.1 CVYL|A12981 FGRM|XP\_011320272.1 MGRA|XP\_003853056.1 MLAR|XP\_007414961.1 MORY|QBZ62855.1 NCRA|XP\_960397.2 SSCL|APA15638.1

>Orthogroup3274: ANID|CBF86140.1 BCIN|XP\_001547323.1 BGRA|VDB89751.1 CFRU|XP\_031885750.1 CGLO|KAF3810185.1 CHIG|XP\_018157804.1 CVIN|KAF4929122.1 CVYL|A02777 FGRM|XP\_011319983.1 MGRA|XP\_003853031.1 MLAR|XP\_007412857.1 MORY|QBZ61278.1 NCRA|XP\_957545.2 SSCL|APA15630.1

>Orthogroup3275: ANID|CBF86148.1 BCIN|XP\_001549241.1 BGRA|VDB91066.1 CFRU|XP\_031888405.1 CGLO|KAF3803683.1 CHIG|XP\_018163768.1 CVIN|KAF4928497.1 CVYL|A14614 FGRM|XP\_011316027.1 MGRA|XP\_003848293.1 MLAR|XP\_007406424.1 MORY|QBZ55415.1 NCRA|XP\_964037.1 SSCL|APA09224.1

>Orthogroup3276: ANID|CBF86155.1 BCIN|XP\_024549429.1 BGRA|VDB90892.1 CFRU|XP\_031882881.1 CGLO|KAF3803371.1 CHIG|XP\_018163965.1 CVIN|KAF4915988.1 CVYL|A14290 FGRM|XP\_011316812.1 MGRA|XP\_003848394.1 MLAR|XP\_007416246.1 MORY|QBZ62783.1 NCRA|XP\_963814.2 SSCL|APA09243.1

>Orthogroup3277: ANID|CBF86164.1 BCIN|XP\_024549414.1 BGRA|VDB91092.1 CFRU|XP\_031882812.1 CGLO|KAF3812056.1 CHIG|XP\_018164187.1 CVIN|KAF4923702.1 CVYL|A14241 FGRM|XP\_011326784.1 MGRA|XP\_003848346.1 MLAR|XP\_007414770.1 MORY|QBZ63791.1 NCRA|XP\_959164.3 SSCL|APA09086.1

>Orthogroup3278: ANID|CBF86166.1 BCIN|XP\_024549416.1 BGRA|VDB91091.1 CFRU|XP\_031882821.1 CGLO|KAF3812057.1 CHIG|XP\_018164186.1 CVIN|KAF4923661.1 CVYL|A14240 FGRM|XP\_011326785.1 MGRA|XP\_003848633.1 MLAR|XP\_007405239.1 MORY|QBZ63790.1 NCRA|XP\_959163.2 SSCL|APA09087.1

>Orthogroup3279: ANID|CBF86172.1 BCIN|XP\_024548704.1 BGRA|VDB93316.1 CFRU|XP\_031886630.1 CHIG|XP\_018158569.1 CVIN|KAF4925543.1 CVYL|A05056 FGRM|XP\_011328429.1 MGRA|XP\_003848693.1 MLAR|XP\_007404402.1 MLAR|XP\_007404404.1 MORY|QBZ60478.1 NCRA|XP\_011392976.1 SSCL|APA09970.1

>Orthogroup3280: ANID|CBF86191.1 BCIN|XP\_001558357.1 BGRA|VDB90895.1 CFRU|XP\_031882778.1 CGLO|KAF3803364.1 CHIG|XP\_018163958.1 CVIN|KAF4915971.1 CVYL|A14297 FGRM|XP\_011317150.1 MGRA|XP\_003848655.1 MLAR|XP\_007415039.1 MORY|QBZ62775.1 NCRA|XP\_964676.1 SSCL|APA13762.1

>Orthogroup3281: ANID|CBF86200.1 ANID|CBF87496.1 BCIN|XP\_001549239.1 CFRU|XP\_031879391.1 CGLO|KAF3808581.1 CHIG|XP\_018161918.1 CVIN|KAF4905051.1 CVYL|A11564 FGRM|XP\_011318642.1 MGRA|XP\_003848302.1 MORY|QBZ58242.1 MORY|QBZ65443.1 NCRA|XP\_011394460.1 SSCL|APA09223.1

>Orthogroup3282: ANID|CBF86215.1 BCIN|XP\_024552489.1 BGRA|VDB87695.1 CFRU|XP\_031885709.1 CGLO|KAF3810155.1 CHIG|XP\_018157987.1 CVIN|KAF4929105.1 CVYL|A02745 FGRM|XP\_011328515.1 MGRA|XP\_003853058.1 MLAR|XP\_007407788.1 MORY|QBZ62403.1 NCRA|XP\_956086.2 SSCL|APA08521.1

>Orthogroup3283: ANID|CBF86216.1 BCIN|XP\_001555311.2 BGRA|VDB89727.1 CFRU|XP\_031889114.1 CGLO|KAF3803159.1 CHIG|XP\_018155523.1 CVIN|KAF4928292.1 CVYL|A01045 FGRM|XP\_011318128.1 MGRA|XP\_003853062.1 MLAR|XP\_007410567.1 MORY|QBZ58473.1 NCRA|XP\_960211.3 SSCL|APA08626.1

>Orthogroup3284: ANID|CBF86237.1 BCIN|XP\_024550291.1 BGRA|VDB94733.1 CFRU|XP\_031878205.1 CGLO|KAF3808532.1 CHIG|XP\_018161937.1 CVIN|KAF4917625.1 CVYL|A11614 FGRM|XP\_011318525.1 MGRA|XP\_003854884.1 MLAR|XP\_007410237.1 MORY|QBZ59655.1 NCRA|XP\_956786.1 SSCL|APA10957.1

>Orthogroup3285: ANID|CBF86250.1 BCIN|XP\_024550543.1 BGRA|VDB94681.1 CFRU|XP\_031887066.1 CGLO|KAF3811432.1 CHIG|XP\_018160674.1 CVIN|KAF4917854.1 CVYL|A04631 FGRM|XP\_011326847.1 MGRA|XP\_003855363.1 MLAR|XP\_007412407.1 MORY|QBZ54564.1 NCRA|XP\_960648.1 SSCL|APA11331.1

>Orthogroup3286: ANID|CBF86259.1 BCIN|XP\_001549142.1 BGRA|VCU38808.1 CFRU|XP\_031887023.1 CGLO|KAF3811425.1 CHIG|XP\_018160664.1 CVIN|KAF4919698.1 CVYL|A04623 FGRM|XP\_011327181.1 MGRA|XP\_003855271.1 MLAR|XP\_007404065.1 MORY|QBZ57323.1 NCRA|XP\_961053.1 SSCL|APA15376.1

>Orthogroup3287: ANID|CBF86260.1 BCIN|XP\_024550525.1 BGRA|VDB94628.1 CFRU|XP\_031887086.1 CGLO|KAF3811435.1 CHIG|XP\_018160677.1 CVIN|KAF4917857.1 CVYL|A04634 FGRM|XP\_011326850.1 MGRA|XP\_003855372.1 MORY|QBZ57135.1 NCRA|XP\_960651.3 SSCL|APA11251.1 SSCL|APA11252.1

>Orthogroup3288: ANID|CBF86262.1 BCIN|XP\_024550526.1 BGRA|VDB94627.1 CFRU|XP\_031887087.1 CGLO|KAF3811436.1 CHIG|XP\_018160678.1 CVIN|KAF4917850.1 CVYL|A04635 FGRM|XP\_011326851.1 MGRA|XP\_003855112.1 MLAR|XP\_007406517.1 MORY|QBZ57134.1 NCRA|XP\_960652.1 SSCL|APA11253.1

>Orthogroup3289: ANID|CBF86271.1 BCIN|XP\_001554039.2 BGRA|VDB94573.1 CFRU|XP\_031886942.1 CGLO|KAF3811344.1 CHIG|XP\_018160594.1 CVIN|KAF4921001.1 CVYL|A04526 FGRM|XP\_011324777.1 MGRA|XP\_003855437.1 MLAR|XP\_007412537.1 MORY|QBZ56979.1 NCRA|XP\_961444.3 SSCL|APA11127.1

>Orthogroup3290: ANID|CBF86275.1 BCIN|XP\_024552270.1 BGRA|VCU39300.1 CFRU|XP\_031877157.1 CGLO|KAF3804007.1 CHIG|XP\_018150942.1 CVIN|KAF4925136.1 CVYL|A08794 FGRM|XP\_011323760.1 MGRA|XP\_003849755.1 MLAR|XP\_007405505.1 MORY|QBZ64295.1 NCRA|XP\_955907.2 SSCL|APA13126.1

>Orthogroup3291: ANID|CBF86282.1 BCIN|XP\_001552263.1 BGRA|VDB92811.1 CFRU|XP\_031890269.1 CGLO|KAF3798718.1 CHIG|XP\_018151274.1 CVIN|KAF4910264.1 CVYL|A09194 FGRM|XP\_011327920.1 MGRA|XP\_003849671.1 MLAR|XP\_007404371.1 MORY|QBZ58896.1 NCRA|XP\_962036.1 SSCL|APA13044.1

>Orthogroup3292: ANID|CBF86297.1 BCIN|XP\_024552360.1 BGRA|VCU39211.1 CFRU|XP\_031892934.1 CGLO|KAF3800785.1 CHIG|XP\_018150889.1 CVIN|KAF4922490.1 CVYL|A08766 FGRM|XP\_011323785.1 MGRA|XP\_003849769.1 MLAR|XP\_007410925.1 MORY|QBZ56532.1 NCRA|XP\_961937.1 SSCL|APA13241.1

>Orthogroup3293: ANID|CBF86299.1 BCIN|XP\_024552361.1 BGRA|VCU38883.1 CFRU|XP\_031893593.1 CGLO|KAF3800805.1 CHIG|XP\_018150911.1 CVIN|KAF4922501.1 CVYL|A08746 FGRM|XP\_011323787.1 MGRA|XP\_003849348.1 MLAR|XP\_007405066.1 MORY|QBZ56531.1 NCRA|XP\_961938.1 SSCL|APA13242.1

>Orthogroup3294: ANID|CBF86313.1 BCIN|XP\_024552458.1 BGRA|VDB88058.1 CFRU|XP\_031881898.1 CGLO|KAF3800673.1 CHIG|XP\_018152009.1 CVIN|KAF4922045.1 CVYL|A13044 FGRM|XP\_011321252.1 MGRA|XP\_003849488.1 MLAR|XP\_007416647.1 MORY|QBZ62111.1 NCRA|XP\_011393463.1 SSCL|APA08551.1

>Orthogroup3295: ANID|CBF86317.1 BCIN|XP\_024552047.1 BGRA|VDB92712.1 CFRU|XP\_031876715.1 CGLO|KAF3798671.1 CHIG|XP\_018157483.1 CVIN|KAF4918476.1 CVYL|A09409 FGRM|XP\_011328016.1 MGRA|XP\_003849815.1 MLAR|XP\_007407222.1 MORY|QBZ56202.1 NCRA|XP\_956143.2 SSCL|APA12814.1

>Orthogroup3296: ANID|CBF86343.1 BCIN|XP\_001551161.1 BGRA|VDB96418.1 CFRU|XP\_031878395.1 CGLO|KAF3810757.1 CHIG|XP\_018162554.1 CVIN|KAF4932086.1 CVYL|A07197 FGRM|XP\_011326319.1 MGRA|XP\_003853713.1 MLAR|XP\_007411551.1 MORY|QBZ59712.1 NCRA|XP\_957017.1 SSCL|APA15073.1

>Orthogroup3297: ANID|CBF86359.1 ANID|CBF89961.1 CFRU|XP\_031880149.1 CFRU|XP\_031893364.1 CGLO|KAF3808426.1 CGLO|KAF3808427.1 CHIG|XP\_018163674.1 CVIN|KAF4925008.1 CVIN|KAF4925030.1 CVYL|A09583 FGRM|XP\_011323305.1 FGRM|XP\_011328659.1 MORY|QBZ60113.1 MORY|QBZ63055.1

>Orthogroup3298: ANID|CBF86395.1 BCIN|XP\_001557348.1 BGRA|VDB89560.1 CFRU|XP\_031893511.1 CGLO|KAF3809491.1 CHIG|XP\_018152678.1 CVIN|KAF4921299.1 CVYL|A10058 FGRM|XP\_011317900.1 MGRA|XP\_003849901.1 MLAR|XP\_007414749.1 MORY|QBZ55015.1 NCRA|XP\_961590.2 SSCL|APA10451.1

>Orthogroup3299: ANID|CBF86416.1 BCIN|XP\_001556175.1 BGRA|VCU39007.1 CFRU|XP\_031886200.1 CGLO|KAF3806586.1 CHIG|XP\_018157625.1 CVIN|KAF4920499.1 CVYL|A09282 FGRM|XP\_011328110.1 MGRA|XP\_003854573.1 MLAR|XP\_007407311.1 MORY|QBZ56231.1 NCRA|XP\_962159.3 SSCL|APA15749.1

>Orthogroup3300: ANID|CBF86430.1 BCIN|XP\_001561198.1 BGRA|VCU39104.1 CFRU|XP\_031887752.1 CGLO|KAF3811627.1 CHIG|XP\_018160900.1 CVIN|KAF4921427.1 CVYL|A03487 FGRM|XP\_011328161.1 MGRA|XP\_003854281.1 MLAR|XP\_007412103.1 MORY|QBZ56700.1 NCRA|XP\_961981.1 SSCL|APA07084.1

>Orthogroup3301: ANID|CBF86443.1 BCIN|XP\_024549148.1 BGRA|VCU39111.1 CFRU|XP\_031887572.1 CGLO|KAF3811621.1 CHIG|XP\_018160893.1 CVIN|KAF4921469.1 CVYL|A03479 FGRM|XP\_011328156.1 MGRA|XP\_003854377.1 MLAR|XP\_007413667.1 MORY|QBZ56586.1 NCRA|XP\_964429.2 SSCL|APA08804.1

>Orthogroup3302: ANID|CBF86449.1 BCIN|XP\_001561199.1 BGRA|VCU39105.1 CFRU|XP\_031887751.1 CGLO|KAF3811626.1 CHIG|XP\_018160899.1 CVIN|KAF4921428.1 CVYL|A03486 FGRM|XP\_011328160.1 MGRA|XP\_003853853.1 MLAR|XP\_007406170.1 MORY|QBZ56582.1 NCRA|XP\_011394270.1 SSCL|APA07085.1

>Orthogroup3303: ANID|CBF86458.1 BCIN|XP\_024548050.1 BGRA|VDB86188.1 CFRU|XP\_031886858.1 CGLO|KAF3811402.1 CHIG|XP\_018160638.1 CVIN|KAF4919682.1 CVYL|A04595 FGRM|XP\_011327162.1 MGRA|XP\_003848853.1 MLAR|XP\_007413439.1 MORY|QBZ54282.1 NCRA|XP\_955993.1 SSCL|APA08295.1

>Orthogroup3304: ANID|CBF86460.1 BCIN|XP\_024547580.1 BGRA|VDB85921.1 CFRU|XP\_031886864.1 CGLO|KAF3811400.1 CHIG|XP\_018160636.1 CVIN|KAF4919684.1 CVYL|A04593 FGRM|XP\_011327160.1 MGRA|XP\_003849144.1 MLAR|XP\_007416001.1 MORY|QBZ54285.1 NCRA|XP\_960597.1 SSCL|APA07834.1

>Orthogroup3305: ANID|CBF86487.1 BCIN|XP\_024547614.1 BGRA|VDB86142.1 CFRU|XP\_031891209.1 CGLO|KAF3804521.1 CHIG|XP\_018159468.1 CVIN|KAF4924497.1 CVYL|A04240 FGRM|XP\_011328797.1 MGRA|XP\_003850298.1 MLAR|XP\_007414135.1 MORY|QBZ58116.1 NCRA|XP\_011394470.1 SSCL|APA07790.1

>Orthogroup3306: ANID|CBF86489.1 BCIN|XP\_024547613.1 BGRA|VDB86141.1 CFRU|XP\_031891206.1 CGLO|KAF3804522.1 CHIG|XP\_018159467.1 CVIN|KAF4924523.1 CVYL|A04241 FGRM|XP\_011328798.1 MGRA|XP\_003850110.1 MLAR|XP\_007406679.1 MORY|QBZ58117.1 NCRA|XP\_961048.2 SSCL|APA07791.1

>Orthogroup3307: ANID|CBF86491.1 BCIN|XP\_001551895.1 BGRA|VDB85933.1 CFRU|XP\_031887051.1 CGLO|KAF3811264.1 CHIG|XP\_018160485.1 CVIN|KAF4927228.1 CVYL|A04474 FGRM|XP\_011326920.1 MGRA|XP\_003850409.1 MLAR|XP\_007407759.1 MORY|QBZ58099.1 NCRA|XP\_960723.1 SSCL|APA15208.1

>Orthogroup3308: ANID|CBF86501.1 BCIN|XP\_001547777.1 BGRA|VDB84353.1 CFRU|XP\_031886877.1 CGLO|KAF3811236.1 CHIG|XP\_018160459.1 CVIN|KAF4931185.1 CVYL|A04429 FGRM|XP\_011327084.1 MGRA|XP\_003850084.1 MLAR|XP\_007406513.1 MORY|QBZ64755.1 NCRA|XP\_960729.1 SSCL|APA15420.1

>Orthogroup3309: ANID|CBF86503.1 BCIN|XP\_024547605.1 BGRA|VDB86162.1 CFRU|XP\_031886391.1 CGLO|KAF3806270.1 CHIG|XP\_018162097.1 CVIN|KAF4923961.1 CVYL|A11860 FGRM|XP\_011324027.1 MGRA|XP\_003852991.1 MORY|QBZ55041.1 MORY|QBZ61489.1 NCRA|XP\_962994.2 SSCL|APA07801.1

>Orthogroup3310: ANID|CBF86515.1 BCIN|XP\_001555047.2 BGRA|VDB85927.1 CFRU|XP\_031886451.1 CGLO|KAF3806314.1 CHIG|XP\_018162148.1 CVIN|KAF4923936.1 CVYL|A11906 FGRM|XP\_011326599.1 MGRA|XP\_003850388.1 MLAR|XP\_007416799.1 MORY|QBZ61575.1 NCRA|XP\_957299.2 SSCL|APA07808.1

>Orthogroup3311: ANID|CBF86520.1 BCIN|XP\_001550040.1 BGRA|VCU39954.1 CFRU|XP\_031886543.1 CGLO|KAF3804056.1 CHIG|XP\_018162695.1 CVIN|KAF4919528.1 CVYL|A07017 FGRM|XP\_011327052.1 MGRA|XP\_003850303.1 MLAR|XP\_007403753.1 MORY|QBZ61427.1 NCRA|XP\_957128.2 SSCL|APA10473.1

>Orthogroup3312: ANID|CBF86522.1 BCIN|XP\_001555070.1 BGRA|VDB85913.1 CFRU|XP\_031887074.1 CGLO|KAF3811396.1 CHIG|XP\_018160632.1 CVIN|KAF4919705.1 CVYL|A04589 FGRM|XP\_011327189.1 MGRA|XP\_003849947.1 MLAR|XP\_007403743.1 MORY|QBZ64737.1 NCRA|XP\_961017.1 SSCL|APA07824.1

>Orthogroup3313: ANID|CBF86525.1 BCIN|XP\_024547593.1 BGRA|VDB85904.1 CFRU|XP\_031886433.1 CGLO|KAF3806342.1 CHIG|XP\_018162132.1 CVIN|KAF4908674.1 CVYL|A11930 FGRM|XP\_011326612.1 MGRA|XP\_003850259.1 MLAR|XP\_007414896.1 MORY|QBZ61386.1 NCRA|XP\_962987.1 SSCL|APA07813.1

>Orthogroup3314: ANID|CBF86531.1 BCIN|XP\_001548073.1 BGRA|VDB87612.1 CFRU|XP\_031876955.1 CGLO|KAF3810692.1 CHIG|XP\_018159376.1 CHIG|XP\_018162458.1 CVIN|KAF4909751.1 CVYL|A07265 FGRM|XP\_011327004.1 MGRA|XP\_003850239.1 MORY|QBZ61366.1 NCRA|XP\_963001.2 SSCL|APA10535.1

>Orthogroup3315: ANID|CBF86533.1 BCIN|XP\_024551233.1 BGRA|VDB89557.1 CFRU|XP\_031893079.1 CGLO|KAF3809578.1 CHIG|XP\_018152604.1 CVIN|KAF4896062.1 CVYL|A08453 FGRM|XP\_011317898.1 MGRA|XP\_003849911.1 MLAR|XP\_007412819.1 MORY|QBZ54095.1 NCRA|XP\_011394745.1 SSCL|APA10106.1

>Orthogroup3316: ANID|CBF86539.1 BCIN|XP\_024551442.1 BGRA|VDB87646.1 CFRU|XP\_031886314.1 CGLO|KAF3806283.1 CHIG|XP\_018162111.1 CVIN|KAF4923921.1 CVYL|A11874 FGRM|XP\_011324058.1 MGRA|XP\_003850315.1 MLAR|XP\_007413524.1 MORY|QBZ61376.1 NCRA|XP\_956772.2 SSCL|APA10698.1

>Orthogroup3317: ANID|CBF86548.1 BCIN|XP\_024551433.1 BGRA|VDB87638.1 CFRU|XP\_031886549.1 CGLO|KAF3804054.1 CHIG|XP\_018162726.1 CVIN|KAF4919527.1 CVYL|A07015 FGRM|XP\_011327061.1 MGRA|XP\_003850159.1 MLAR|XP\_007417134.1 MORY|QBZ59319.1 NCRA|XP\_011393770.1 SSCL|APA10689.1

>Orthogroup3318: ANID|CBF86549.1 BCIN|XP\_024549228.1 BGRA|VDB90494.1 CFRU|XP\_031890341.1 CGLO|KAF3804881.1 CHIG|XP\_018164388.1 CVIN|KAF4921157.1 CVYL|A12182 FGRM|XP\_011316263.1 MGRA|XP\_003850172.1 MLAR|XP\_007410248.1 MORY|QBZ63921.1 NCRA|XP\_964034.1 SSCL|APA08985.1

>Orthogroup3319: ANID|CBF86559.1 BCIN|XP\_024551217.1 BGRA|VCU39450.1 CFRU|XP\_031886808.1 CGLO|KAF3801200.1 CHIG|XP\_018162497.1 CVIN|KAF4932104.1 CVYL|A07134 FGRM|XP\_011324112.1 MGRA|XP\_003850423.1 MLAR|XP\_007412069.1 MORY|QBZ56499.1 NCRA|XP\_011393987.1 SSCL|APA10132.1

>Orthogroup3320: ANID|CBF86560.1 BCIN|XP\_001557361.2 BGRA|VDB87606.1 CFRU|XP\_031893538.1 CGLO|KAF3808112.1 CHIG|XP\_018152811.1 CVIN|KAF4920609.1 CVYL|A08122 FGRM|XP\_011317876.1 MGRA|XP\_003849951.1 MLAR|XP\_007414676.1 MORY|QBZ54839.1 NCRA|XP\_958190.1 SSCL|APA10454.1

>Orthogroup3321: ANID|CBF86581.1 BCIN|XP\_001551181.2 BGRA|VCU38788.1 CFRU|XP\_031885295.1 CGLO|KAF3806502.1 CHIG|XP\_018157539.1 CVIN|KAF4921326.1 CVYL|A09367 FGRM|XP\_011328069.1 MGRA|XP\_003851230.1 MLAR|XP\_007412052.1 MORY|QBZ56352.1 NCRA|XP\_961897.2 SSCL|APA13209.1

>Orthogroup3322: ANID|CBF86583.1 BCIN|XP\_024552265.1 BGRA|VCU39493.1 CFRU|XP\_031887762.1 CGLO|KAF3803269.1 CHIG|XP\_018161127.1 CVIN|KAF4928702.1 CVYL|A03703 FGRM|XP\_011327955.1 MGRA|XP\_003849508.1 MLAR|XP\_007416836.1 MORY|QBZ58361.1 NCRA|XP\_011394314.1 SSCL|APA13116.1

>Orthogroup3323: ANID|CBF86584.1 BCIN|XP\_001553931.1 BGRA|VDB92769.1 CFRU|XP\_031887763.1 CGLO|KAF3803268.1 CHIG|XP\_018161129.1 CVIN|KAF4928701.1 FGRM|XP\_011327956.1 MGRA|XP\_003849609.1 MLAR|XP\_007403707.1 MLAR|XP\_007403973.1 MORY|QBZ58363.1 NCRA|XP\_962020.2 SSCL|APA13115.1

>Orthogroup3324: ANID|CBF86588.1 BCIN|XP\_001557986.2 BGRA|VCU39292.1 CFRU|XP\_031893252.1 CGLO|KAF3800829.1 CHIG|XP\_018150880.1 CVIN|KAF4922462.1 CVYL|A08720 FGRM|XP\_011328049.1 MGRA|XP\_003849807.1 MLAR|XP\_007410559.1 MORY|QBZ64185.1 NCRA|XP\_962253.1 SSCL|APA12688.1

>Orthogroup3325: ANID|CBF86590.1 BCIN|XP\_024553280.1 BGRA|VDB93957.1 CFRU|XP\_031883325.1 CGLO|KAF3800610.1 CHIG|XP\_018152071.1 CVIN|KAF4918172.1 CVYL|A13108 FGRM|XP\_011321302.1 MGRA|XP\_003855404.1 MLAR|XP\_007412218.1 MORY|QBZ61043.1 NCRA|XP\_011393580.1 SSCL|APA13556.1

>Orthogroup3326: ANID|CBF86593.1 BCIN|XP\_001549546.1 BGRA|VDB93964.1 CFRU|XP\_031883324.1 CGLO|KAF3800611.1 CHIG|XP\_018152072.1 CVIN|KAF4918173.1 CVYL|A13107 FGRM|XP\_011321300.1 MGRA|XP\_003848865.1 MLAR|XP\_007415150.1 MORY|QBZ61041.1 NCRA|XP\_963448.1 SSCL|APA13554.1

>Orthogroup3327: ANID|CBF86614.1 BCIN|XP\_024546689.1 BGRA|VDB92959.1 CFRU|XP\_031884316.1 CGLO|KAF3799937.1 CHIG|XP\_018153066.1 CVIN|KAF4906994.1 CVYL|A14185 FGRM|XP\_011323510.1 MGRA|XP\_003851549.1 MLAR|XP\_007415248.1 MORY|QBZ64026.1 NCRA|XP\_964389.1 SSCL|APA06540.1

>Orthogroup3328: ANID|CBF86624.1 BCIN|XP\_001548350.1 BGRA|VDB92938.1 CFRU|XP\_031882944.1 CGLO|KAF3803381.1 CHIG|XP\_018163862.1 CVIN|KAF4918425.1 CVYL|A14308 FGRM|XP\_011324170.1 MGRA|XP\_003850753.1 MLAR|XP\_007412483.1 MORY|QBZ63200.1 NCRA|XP\_011392866.1 SSCL|APA06948.1

>Orthogroup3329: ANID|CBF86787.1 BCIN|XP\_024554006.1 BGRA|VDB84269.1 CFRU|XP\_031880683.1 CGLO|KAF3811190.1 CHIG|XP\_018156381.1 CVIN|KAF4931216.1 CVYL|A04354 FGRM|XP\_011323732.1 MGRA|XP\_003855009.1 MLAR|XP\_007414680.1 MORY|QBZ64670.1 NCRA|XP\_955989.1 SSCL|APA15389.1

>Orthogroup3330: ANID|CBF86796.1 BCIN|XP\_024549881.1 BGRA|VDB90945.1 CFRU|XP\_031888384.1 CHIG|XP\_018163833.1 CVIN|KAF4913959.1 CVYL|A14562 FGRM|XP\_011317371.1 FGRM|XP\_011326538.1 MGRA|XP\_003852602.1 MLAR|XP\_007411624.1 MORY|QBZ54681.1 NCRA|XP\_011393244.1 SSCL|APA05557.1

>Orthogroup3331: ANID|CBF86802.1 BCIN|XP\_001559069.1 BGRA|VDB90901.1 CFRU|XP\_031888578.1 CGLO|KAF3803696.1 CHIG|XP\_018163756.1 CVIN|KAF4928572.1 CVYL|A14628 FGRM|XP\_011316024.1 MGRA|XP\_003852657.1 MLAR|XP\_007416168.1 MORY|QBZ54594.1 NCRA|XP\_965664.1 SSCL|APA09074.1

>Orthogroup3332: ANID|CBF86804.1 BCIN|XP\_024549406.1 BGRA|VDB90902.1 CFRU|XP\_031888576.1 CGLO|KAF3803695.1 CHIG|XP\_018163757.1 CVIN|KAF4928571.1 CVYL|A14627 FGRM|XP\_011316023.1 MGRA|XP\_003852441.1 MLAR|XP\_007417255.1 MORY|QBZ54593.1 NCRA|XP\_011392960.1 SSCL|APA09075.1

>Orthogroup3333: ANID|CBF86805.1 BCIN|XP\_024549407.1 BGRA|VDB90904.1 CFRU|XP\_031888498.1 CGLO|KAF3803694.1 CHIG|XP\_018163758.1 CVIN|KAF4928570.1 CVYL|A14626 FGRM|XP\_011316022.1 MGRA|XP\_003852370.1 MLAR|XP\_007409390.1 MORY|QBZ54591.1 NCRA|XP\_965662.2 SSCL|APA09076.1

>Orthogroup3334: ANID|CBF86809.1 BCIN|XP\_001558358.1 BGRA|VDB90896.1 CFRU|XP\_031882777.1 CGLO|KAF3803363.1 CHIG|XP\_018163957.1 CVIN|KAF4915970.1 CVYL|A14298 FGRM|XP\_011317149.1 MGRA|XP\_003853289.1 MLAR|XP\_007410043.1 MORY|QBZ62773.1 NCRA|XP\_964678.2 SSCL|APA13761.1

>Orthogroup3335: ANID|CBF86839.1 BCIN|XP\_001558154.2 BGRA|VCU39483.1 CFRU|XP\_031878723.1 CGLO|KAF3798329.1 CHIG|XP\_018151146.1 CVIN|KAF4920312.1 CVYL|A09039 FGRM|XP\_011323767.1 MGRA|XP\_003849386.1 MLAR|XP\_007416236.1 MORY|QBZ56199.1 NCRA|XP\_962353.3 SSCL|APA13161.1

>Orthogroup3336: ANID|CBF86847.1 BCIN|XP\_001558167.1 BGRA|VDB92771.1 CFRU|XP\_031881039.1 CGLO|KAF3800401.1 CHIG|XP\_018161404.1 CVIN|KAF4930599.1 CVYL|A01796 FGRM|XP\_011321415.1 MGRA|XP\_003849599.1 MLAR|XP\_007412841.1 MORY|QBZ65290.1 NCRA|XP\_962984.2 SSCL|APA13152.1

>Orthogroup3337: ANID|CBF86876.1 BCIN|XP\_001557041.1 BGRA|VDB88236.1 CFRU|XP\_031879461.1 CGLO|KAF3802397.1 CHIG|XP\_018154673.1 CVIN|KAF4922200.1 CVYL|A13540 FGRM|XP\_011317289.1 MGRA|XP\_003849758.1 MLAR|XP\_007410308.1 MORY|QBZ60980.1 NCRA|XP\_963439.2 SSCL|APA08498.1

>Orthogroup3338: ANID|CBF86885.1 BCIN|XP\_024552512.1 BGRA|VDB92867.1 CFRU|XP\_031879482.1 CGLO|KAF3799662.1 CHIG|XP\_018154670.1 CVIN|KAF4922168.1 CVYL|A13524 FGRM|XP\_011316681.1 MGRA|XP\_003849300.1 MLAR|XP\_007403978.1 MORY|QBZ60979.1 NCRA|XP\_001728061.1 SSCL|APA08483.1

>Orthogroup3339: ANID|CBF86899.1 BCIN|XP\_024552622.1 BGRA|VDB95257.1 CFRU|XP\_031886003.1 CGLO|KAF3812009.1 CHIG|XP\_018155240.1 CVIN|KAF4930437.1 CVYL|A05500 FGRM|XP\_011317470.1 MGRA|XP\_003849532.1 MLAR|XP\_007407389.1 MORY|QBZ53767.1 NCRA|XP\_011393554.1 SSCL|APA08718.1

>Orthogroup3340: ANID|CBF86938.1 BCIN|XP\_024552009.1 CFRU|XP\_031881130.1 CGLO|KAF3809889.1 CHIG|XP\_018161476.1 CVIN|KAF4930726.1 CVYL|A01729 FGRM|XP\_011321407.1 FGRM|XP\_011325927.1 FGRM|XP\_011327383.1 MGRA|XP\_003849148.1 MORY|QBZ65228.1 NCRA|XP\_962969.1 SSCL|APA12770.1

>Orthogroup3341: ANID|CBF86951.1 BCIN|XP\_001547457.1 BGRA|VCU38920.1 CFRU|XP\_031880589.1 CGLO|KAF3811589.1 CHIG|XP\_018160854.1 CVIN|KAF4914875.1 CVYL|A03443 FGRM|XP\_011325052.1 MGRA|XP\_003854783.1 MLAR|XP\_007407212.1 MORY|QBZ58867.1 NCRA|XP\_962233.2 SSCL|APA07359.1

>Orthogroup3342: ANID|CBF86960.1 BCIN|XP\_024552726.1 BGRA|VDB86340.1 CFRU|XP\_031889079.1 CGLO|KAF3808698.1 CHIG|XP\_018155562.1 CVIN|KAF4929576.1 CVYL|A00960 FGRM|XP\_011321111.1 MGRA|XP\_003857428.1 MLAR|XP\_007406509.1 MORY|QBZ60108.1 NCRA|XP\_011394713.1 SSCL|APA07460.1

>Orthogroup3343: ANID|CBF86964.1 BCIN|XP\_024550903.1 BGRA|VDB89787.1 CFRU|XP\_031880378.1 CGLO|KAF3807278.1 CHIG|XP\_018156954.1 CVIN|KAF4928162.1 CVYL|A10761 FGRM|XP\_011320005.1 MGRA|XP\_003856239.1 MLAR|XP\_007413293.1 MORY|QBZ65969.1 NCRA|XP\_965827.2 SSCL|APA11876.1

>Orthogroup3344: ANID|CBF86967.1 BCIN|XP\_001552829.1 BCIN|XP\_024546992.1 BGRA|VCU41217.1 CFRU|XP\_031880276.1 CGLO|KAF3809086.1 CHIG|XP\_018155886.1 CVIN|KAF4923809.1 CVYL|A01626 FGRM|XP\_011319152.1 MGRA|XP\_003857671.1 MORY|QBZ62464.1 NCRA|XP\_011394671.1 SSCL|APA07606.1

>Orthogroup3345: ANID|CBF86981.1 BCIN|XP\_024551584.1 BGRA|VDB89229.1 CFRU|XP\_031890708.1 CGLO|KAF3801588.1 CHIG|XP\_018151345.1 CVIN|KAF4922728.1 CVYL|A12547 FGRM|XP\_011320341.1 MGRA|XP\_003857392.1 MLAR|XP\_007406731.1 MORY|QBZ62603.1 NCRA|XP\_960224.2 SSCL|APA14873.1

>Orthogroup3346: ANID|CBF86995.1 BCIN|XP\_024552937.1 BGRA|VCU41223.1 CFRU|XP\_031892709.1 CGLO|KAF3809161.1 CHIG|XP\_018155983.1 CVIN|KAF4919814.1 CVYL|A01348 FGRM|XP\_011318977.1 MGRA|XP\_003856792.1 MLAR|XP\_007405083.1 MORY|QBZ62468.1 NCRA|XP\_959179.1 SSCL|APA07558.1

>Orthogroup3347: ANID|CBF87000.1 BCIN|XP\_001557544.1 BGRA|VCU40755.1 CFRU|XP\_031876395.1 CGLO|KAF3797790.1 CHIG|XP\_018156471.1 CVIN|KAF4923132.1 CVYL|A03015 FGRM|XP\_011318589.1 MGRA|XP\_003857575.1 MLAR|XP\_007414533.1 MORY|QBZ57791.1 NCRA|XP\_960041.3 SSCL|APA12354.1

>Orthogroup3348: ANID|CBF87005.1 BCIN|XP\_024552878.1 BGRA|VDB93058.1 CFRU|XP\_031882492.1 CGLO|KAF3807631.1 CHIG|XP\_018156298.1 CVIN|KAF4921402.1 CVYL|A03119 FGRM|XP\_011318964.1 MGRA|XP\_003857444.1 MLAR|XP\_007410840.1 MORY|QBZ56115.1 NCRA|XP\_957863.3 SSCL|APA16105.1

>Orthogroup3349: ANID|CBF87010.1 BCIN|XP\_024552938.1 BGRA|VCU41227.1 CFRU|XP\_031892708.1 CGLO|KAF3809160.1 CHIG|XP\_018155982.1 CVIN|KAF4919813.1 CVYL|A01347 FGRM|XP\_011318976.1 MGRA|XP\_003856887.1 MLAR|XP\_007411717.1 MORY|QBZ62467.1 NCRA|XP\_959180.2 SSCL|APA07557.1

>Orthogroup3350: ANID|CBF87030.1 BCIN|XP\_001557193.1 BGRA|VCU40915.1 CFRU|XP\_031882411.1 CGLO|KAF3809426.1 CHIG|XP\_018156267.1 CVIN|KAF4921396.1 CVYL|A03097 FGRM|XP\_011319056.1 MGRA|XP\_003857641.1 MLAR|XP\_007411002.1 MORY|QBZ56659.1 NCRA|XP\_961335.1 SSCL|APA12525.1

>Orthogroup3351: ANID|CBF87139.1 BCIN|XP\_001556589.1 BCIN|XP\_024548246.1 BGRA|VCU39950.1 CFRU|XP\_031882337.1 CHIG|XP\_018160241.1 CVIN|KAF4930932.1 CVYL|A04115 FGRM|XP\_011325281.1 FGRM|XP\_011328784.1 MGRA|XP\_003847812.1 MORY|QBZ57352.1 NCRA|XP\_959273.1 SSCL|APA06262.1

>Orthogroup3352: ANID|CBF87187.1 BCIN|XP\_001552687.1 CFRU|XP\_031880867.1 CFRU|XP\_031883581.1 CGLO|KAF3800213.1 CGLO|KAF3806866.1 CHIG|XP\_018155128.1 CVIN|KAF4900572.1 CVIN|KAF4920411.1 CVIN|KAF4926123.1 CVYL|A06073 FGRM|XP\_011320580.1 FGRM|XP\_011320627.1 MORY|QBZ60269.1

>Orthogroup3353: ANID|CBF87304.1 ANID|CBF88963.1 BCIN|XP\_001545744.2 BGRA|VDB83590.1 CFRU|XP\_031882682.1 CGLO|KAF3803949.1 CHIG|XP\_018150998.1 CVIN|KAF4925158.1 CVYL|A08854 FGRM|XP\_011328083.1 MGRA|XP\_003851460.1 MORY|QBZ61674.1 NCRA|XP\_955914.1 SSCL|APA05489.1

>Orthogroup3354: ANID|CBF87336.1 CFRU|XP\_031882792.1 CFRU|XP\_031884487.1 CGLO|KAF3799725.1 CGLO|KAF3812081.1 CHIG|XP\_018164151.1 CVIN|KAF4919977.1 CVIN|KAF4923714.1 CVYL|A05884 CVYL|A14259 FGRM|XP\_011318270.1 MGRA|XP\_003847565.1 MORY|QBZ54635.1 NCRA|XP\_964499.2

>Orthogroup3355: ANID|CBF87350.1 CFRU|XP\_031884745.1 CFRU|XP\_031885023.1 CGLO|KAF3800325.1 CGLO|KAF3801006.1 CGLO|KAF3806050.1 CHIG|XP\_018153252.1 CVIN|KAF4912994.1 CVIN|KAF4917846.1 CVIN|KAF4927820.1 CVYL|A05900 CVYL|A06900 FGRM|XP\_011317940.1 MGRA|XP\_003856914.1

>Orthogroup3356: ANID|CBF87476.1 BCIN|XP\_001550971.1 BGRA|VDB90786.1 CFRU|XP\_031888255.1 CGLO|KAF3803494.1 CHIG|XP\_018164024.1 CVIN|KAF4926279.1 CVYL|A14423 FGRM|XP\_011326517.1 MGRA|XP\_003855832.1 MLAR|XP\_007406195.1 MORY|QBZ54721.1 NCRA|XP\_011393123.1 SSCL|APA07071.1

>Orthogroup3357: ANID|CBF87478.1 ANID|CBF88832.1 BCIN|XP\_001551553.1 CFRU|XP\_031888062.1 CGLO|KAF3802181.1 CHIG|XP\_018154302.1 CVIN|KAF4922758.1 CVYL|A03210 FGRM|XP\_011325892.1 MGRA|XP\_003854766.1 MLAR|XP\_007412963.1 MORY|QBZ66180.1 NCRA|XP\_964343.2 SSCL|APA11895.1

>Orthogroup3358: ANID|CBF87537.1 BCIN|XP\_024549094.1 BGRA|VCU38964.1 CFRU|XP\_031887694.1 CGLO|KAF3807142.1 CHIG|XP\_018160930.1 CVIN|KAF4920169.1 CVYL|A03540 FGRM|XP\_011323740.1 MGRA|XP\_003855438.1 MLAR|XP\_007409725.1 MORY|QBZ56314.1 NCRA|XP\_962536.3 SSCL|APA15911.1

>Orthogroup3359: ANID|CBF87538.1 BCIN|XP\_001547274.1 BGRA|VCU38901.1 CFRU|XP\_031887746.1 CGLO|KAF3811609.1 CHIG|XP\_018160882.1 CVIN|KAF4921447.1 CVYL|A03468 FGRM|XP\_011328147.1 MGRA|XP\_003855049.1 MLAR|XP\_007417003.1 MORY|QBZ56224.1 NCRA|XP\_962633.1 SSCL|APA06990.1

>Orthogroup3360: ANID|CBF87544.1 BCIN|XP\_001552306.1 BGRA|VDB84179.1 CFRU|XP\_031892651.1 CGLO|KAF3797157.1 CHIG|XP\_018157106.1 CVIN|KAF4918842.1 CVYL|A10542 FGRM|XP\_011315900.1 MGRA|XP\_003854679.1 MLAR|XP\_007404339.1 MORY|QBZ65923.1 NCRA|XP\_965805.1 SSCL|APA11142.1

>Orthogroup3361: ANID|CBF87545.1 BCIN|XP\_001552316.1 BGRA|VDB84193.1 CFRU|XP\_031891327.1 CGLO|KAF3797637.1 CHIG|XP\_018157429.1 CVIN|KAF4893853.1 CVYL|A11040 FGRM|XP\_011323032.1 MGRA|XP\_003854594.1 MLAR|XP\_007412989.1 MORY|QBZ66426.1 NCRA|XP\_965390.1 SSCL|APA11152.1

>Orthogroup3362: ANID|CBF87551.1 BCIN|XP\_001555575.1 BGRA|VDB83939.1 CFRU|XP\_031886011.1 CGLO|KAF3806546.1 CHIG|XP\_018157587.1 CVIN|KAF4920484.1 CVYL|A09323 FGRM|XP\_011328000.1 MGRA|XP\_003853659.1 MLAR|XP\_007418328.1 MORY|QBZ56248.1 NCRA|XP\_962370.2 SSCL|APA07438.1

>Orthogroup3363: ANID|CBF87556.1 BCIN|XP\_024546441.1 BGRA|VCU38849.1 CFRU|XP\_031887693.1 CGLO|KAF3807141.1 CHIG|XP\_018160931.1 CVIN|KAF4920168.1 CVYL|A03539 FGRM|XP\_011323741.1 MGRA|XP\_003855524.1 MLAR|XP\_007403555.1 MORY|QBZ56315.1 NCRA|XP\_962537.1 SSCL|APA07093.1

>Orthogroup3364: ANID|CBF87570.1 BCIN|XP\_024552794.1 BGRA|VCU39688.1 CFRU|XP\_031883284.1 CGLO|KAF3800523.1 CHIG|XP\_018152181.1 CVIN|KAF4919240.1 CVYL|A13192 FGRM|XP\_011325486.1 MGRA|XP\_003848020.1 MLAR|XP\_007409935.1 MORY|QBZ53931.1 NCRA|XP\_955917.2 SSCL|APA16050.1

>Orthogroup3365: ANID|CBF87584.1 BCIN|XP\_001557748.1 BGRA|VDB93151.1 CFRU|XP\_031886141.1 CGLO|KAF3811960.1 CHIG|XP\_018155275.1 CVIN|KAF4930336.1 CVYL|A05544 FGRM|XP\_011324653.1 MGRA|XP\_003848047.1 MLAR|XP\_007416476.1 MORY|QBZ54035.1 NCRA|XP\_955871.1 SSCL|APA12186.1

>Orthogroup3366: ANID|CBF87590.1 BCIN|XP\_001557802.1 BGRA|VCU41337.1 CFRU|XP\_031881316.1 CGLO|KAF3802510.1 CHIG|XP\_018154815.1 CVIN|KAF4919018.1 CVYL|A02102 FGRM|XP\_011325535.1 MGRA|XP\_003848113.1 MLAR|XP\_007415988.1 MORY|QBZ53785.1 NCRA|XP\_956303.1 SSCL|APA12142.1

>Orthogroup3367: ANID|CBF87602.1 BCIN|XP\_001550886.2 BGRA|VCU40973.1 CFRU|XP\_031880188.1 CGLO|KAF3809042.1 CHIG|XP\_018155870.1 CVIN|KAF4923778.1 CVYL|A01616 FGRM|XP\_011319084.1 MGRA|XP\_003848214.1 MLAR|XP\_007409629.1 MORY|QBZ62458.1 NCRA|XP\_960962.3 SSCL|APA12406.1

>Orthogroup3368: ANID|CBF87604.1 BCIN|XP\_024548162.1 BGRA|VDB84032.1 CFRU|XP\_031880187.1 CGLO|KAF3809043.1 CHIG|XP\_018155869.1 CVIN|KAF4923777.1 CVYL|A01618 FGRM|XP\_011319085.1 MGRA|XP\_003848211.1 MLAR|XP\_007409613.1 MORY|QBZ62459.1 NCRA|XP\_960963.1 SSCL|APA12405.1

>Orthogroup3369: ANID|CBF87606.1 BCIN|XP\_001550889.1 BGRA|VCU40945.1 CFRU|XP\_031887408.1 CGLO|KAF3809262.1 CHIG|XP\_018156097.1 CVIN|KAF4907395.1 CVYL|A01454 FGRM|XP\_011318902.1 MLAR|XP\_007405251.1 MORY|QBZ57392.1 NCRA|XP\_955853.3 NCRA|XP\_965614.1 SSCL|APA12404.1

>Orthogroup3370: ANID|CBF87610.1 BCIN|XP\_001557549.1 BGRA|VDB93233.1 CFRU|XP\_031883081.1 CGLO|KAF3800704.1 CHIG|XP\_018163258.1 CVIN|KAF4924279.1 CVYL|A00500 FGRM|XP\_011320133.1 MGRA|XP\_003848219.1 MLAR|XP\_007418174.1 MORY|QBZ62136.1 NCRA|XP\_964638.1 SSCL|APA12350.1

>Orthogroup3371: ANID|CBF87612.1 BCIN|XP\_001550885.1 BGRA|VCU40975.1 CFRU|XP\_031889371.1 CGLO|KAF3803154.1 CHIG|XP\_018155518.1 CVIN|KAF4928342.1 CVYL|A01040 FGRM|XP\_011319236.1 MGRA|XP\_003848127.1 MLAR|XP\_007405467.1 MORY|QBZ62245.1 NCRA|XP\_961078.1 SSCL|APA12407.1

>Orthogroup3372: ANID|CBF87621.1 BCIN|XP\_024551576.1 BGRA|VDB92463.1 CFRU|XP\_031885647.1 CGLO|KAF3810125.1 CHIG|XP\_018157958.1 CVIN|KAF4912146.1 CVYL|A02716 FGRM|XP\_011319979.1 MGRA|XP\_003856871.1 MLAR|XP\_007410014.1 MORY|QBZ62145.1 NCRA|XP\_960283.1 SSCL|APA14900.1

>Orthogroup3373: ANID|CBF87625.1 BCIN|XP\_001556679.1 BGRA|VDB92666.1 CFRU|XP\_031892581.1 CGLO|KAF3803058.1 CHIG|XP\_018153550.1 CVIN|KAF4919853.1 CVYL|A00067 FGRM|XP\_011316909.1 MGRA|XP\_003856516.1 MLAR|XP\_007403902.1 MORY|QBZ55422.1 NCRA|XP\_964172.3 SSCL|APA14799.1

>Orthogroup3374: ANID|CBF87637.1 BCIN|XP\_001558526.1 BGRA|VDB90588.1 CFRU|XP\_031882728.1 CGLO|KAF3812068.1 CHIG|XP\_018164080.1 CVIN|KAF4923705.1 CVYL|A14244 FGRM|XP\_011318759.1 MGRA|XP\_003856806.1 MLAR|XP\_007409790.1 MORY|QBZ54634.1 NCRA|XP\_964498.1 SSCL|APA14678.1

>Orthogroup3375: ANID|CBF87652.1 BCIN|XP\_024548087.1 BGRA|VDB93165.1 CFRU|XP\_031892860.1 CGLO|KAF3809134.1 CHIG|XP\_018155960.1 CVIN|KAF4922121.1 CVYL|A01318 FGRM|XP\_011319188.1 MGRA|XP\_003847897.1 MLAR|XP\_007417942.1 MORY|QBZ56126.1 NCRA|XP\_011394659.1 SSCL|APA12747.1

>Orthogroup3376: ANID|CBF87661.1 BCIN|XP\_001557734.1 BGRA|VDB93095.1 CFRU|XP\_031882464.1 CGLO|KAF3807596.1 CHIG|XP\_018156338.1 CVIN|KAF4928887.1 CVYL|A02885 FGRM|XP\_011319007.1 MGRA|XP\_003848149.1 MLAR|XP\_007408679.1 MORY|QBZ54750.1 NCRA|XP\_961633.1 SSCL|APA12199.1

>Orthogroup3377: ANID|CBF87671.1 BCIN|XP\_001557732.1 BGRA|VDB93098.1 CFRU|XP\_031882466.1 CGLO|KAF3807594.1 CHIG|XP\_018156340.1 CVIN|KAF4928956.1 CVYL|A02888 FGRM|XP\_011319009.1 MGRA|XP\_003848034.1 MLAR|XP\_007404938.1 MORY|QBZ54748.1 NCRA|XP\_961635.2 SSCL|APA12201.1

>Orthogroup3378: ANID|CBF87680.1 BCIN|XP\_024548168.1 BGRA|VCU40997.1 CFRU|XP\_031889353.1 CGLO|KAF3808810.1 CHIG|XP\_018155713.1 CVIN|KAF4908026.1 CVYL|A01267 FGRM|XP\_011319262.1 MGRA|XP\_003847872.1 MLAR|XP\_007408148.1 MORY|QBZ58712.1 NCRA|XP\_011394755.1 SSCL|APA12417.1

>Orthogroup3379: ANID|CBF87681.1 BCIN|XP\_024552795.1 BGRA|VCU39689.1 CFRU|XP\_031883283.1 CGLO|KAF3800522.1 CHIG|XP\_018152179.1 CVIN|KAF4919239.1 CVYL|A13193 FGRM|XP\_011325487.1 MGRA|XP\_003848006.1 MLAR|XP\_007414123.1 MORY|QBZ53930.1 NCRA|XP\_955918.1 SSCL|APA16049.1

>Orthogroup3380: ANID|CBF87683.1 BCIN|XP\_024552782.1 BGRA|VCU39681.1 CFRU|XP\_031883282.1 CGLO|KAF3800521.1 CHIG|XP\_018152178.1 CVIN|KAF4919234.1 CVYL|A13194 FGRM|XP\_011317363.1 MGRA|XP\_003848085.1 MLAR|XP\_007416957.1 MORY|QBZ53929.1 NCRA|XP\_955919.1 SSCL|APA07513.1

>Orthogroup3381: ANID|CBF87695.1 BCIN|XP\_024548475.1 CFRU|XP\_031887251.1 CGLO|KAF3809285.1 CHIG|XP\_018156127.1 CVIN|KAF4921072.1 CVYL|A01480 FGRM|XP\_011319203.1 FGRM|XP\_011319481.1 MGRA|XP\_003847991.1 MLAR|XP\_007409979.1 MORY|QBZ57414.1 NCRA|XP\_961071.2 SSCL|APA12182.1

>Orthogroup3382: ANID|CBF87697.1 BCIN|XP\_001545305.1 BGRA|VDB93155.1 CFRU|XP\_031887317.1 CGLO|KAF3809254.1 CHIG|XP\_018156087.1 CVIN|KAF4925301.1 CVYL|A01445 FGRM|XP\_011318861.1 MGRA|XP\_003847959.1 MLAR|XP\_007410992.1 MORY|QBZ62176.1 NCRA|XP\_956556.1 SSCL|APA12649.1

>Orthogroup3383: ANID|CBF87712.1 BCIN|XP\_024548438.1 BGRA|VDB95211.1 CFRU|XP\_031887252.1 CGLO|KAF3809284.1 CHIG|XP\_018156128.1 CVIN|KAF4921069.1 CVYL|A01478 FGRM|XP\_011319143.1 MGRA|XP\_003847851.1 MLAR|XP\_007404019.1 MORY|QBZ57415.1 NCRA|XP\_961069.3 SSCL|APA12269.1

>Orthogroup3384: ANID|CBF87715.1 BCIN|XP\_001550080.1 CFRU|XP\_031879468.1 CGLO|KAF3799653.1 CHIG|XP\_018154663.1 CVIN|KAF4922195.1 CVYL|A13516 FGRM|XP\_011321241.1 MGRA|XP\_003847960.1 MLAR|XP\_007416192.1 MLAR|XP\_007417445.1 MORY|QBZ54438.1 NCRA|XP\_963310.3 SSCL|APA16040.1

>Orthogroup3385: ANID|CBF87773.1 BCIN|XP\_001558447.1 BGRA|VDB95003.1 CFRU|XP\_031883838.1 CGLO|KAF3805066.1 CHIG|XP\_018163451.1 CVIN|KAF4902236.1 CVYL|A06494 FGRM|XP\_011318753.1 MGRA|XP\_003857094.1 MLAR|XP\_007403782.1 MORY|QBZ54171.1 NCRA|XP\_957486.1 SSCL|APA14735.1

>Orthogroup3386: ANID|CBF87798.1 BCIN|XP\_001558433.1 BGRA|VDB90456.1 CFRU|XP\_031876488.1 CGLO|KAF3797016.1 CHIG|XP\_018153666.1 CVIN|KAF4890190.1 CVYL|A00381 FGRM|XP\_011317069.1 MGRA|XP\_003856618.1 MLAR|XP\_007411246.1 MORY|QBZ63869.1 NCRA|XP\_001728407.2 SSCL|APA14748.1

>Orthogroup3387: ANID|CBF87801.1 BCIN|XP\_001556757.1 BGRA|VDB89484.1 CFRU|XP\_031884888.1 CGLO|KAF3800990.1 CHIG|XP\_018153239.1 CVIN|KAF4913267.1 CVYL|A05920 FGRM|XP\_011318727.1 MGRA|XP\_003857006.1 MLAR|XP\_007408512.1 MORY|QBZ55249.1 NCRA|XP\_965329.1 SSCL|APA14541.1

>Orthogroup3388: ANID|CBF87827.1 BCIN|XP\_024551745.1 BGRA|VDB90594.1 CFRU|XP\_031888377.1 CGLO|KAF3803600.1 CHIG|XP\_018163865.1 CVIN|KAF4920349.1 CVYL|A14535 FGRM|XP\_011316778.1 MGRA|XP\_003850247.1 MGRA|XP\_003857276.1 MORY|QBZ55320.1 NCRA|XP\_965469.1 SSCL|APA14811.1

>Orthogroup3389: ANID|CBF87838.1 BCIN|XP\_001556646.2 BGRA|VDB92653.1 CFRU|XP\_031879874.1 CGLO|KAF3802957.1 CHIG|XP\_018153658.1 CVIN|KAF4929988.1 CVYL|A00389 FGRM|XP\_011317084.1 MGRA|XP\_003856666.1 MLAR|XP\_007417974.1 MORY|QBZ63846.1 NCRA|XP\_965101.1 SSCL|APA14777.1

>Orthogroup3390: ANID|CBF87839.1 BCIN|XP\_001556647.1 BGRA|VDB92652.1 CFRU|XP\_031879875.1 CGLO|KAF3802958.1 CHIG|XP\_018153657.1 CVIN|KAF4929942.1 CVYL|A00390 FGRM|XP\_011317085.1 MGRA|XP\_003857016.1 MLAR|XP\_007409666.1 MORY|QBZ63845.1 NCRA|XP\_965102.1 SSCL|APA14778.1

>Orthogroup3391: ANID|CBF87853.1 BCIN|XP\_001556637.1 BGRA|VDB92655.1 CFRU|XP\_031876515.1 CGLO|KAF3802956.1 CHIG|XP\_018153659.1 CVIN|KAF4929943.1 CVYL|A00388 FGRM|XP\_011317082.1 MGRA|XP\_003856212.1 MLAR|XP\_007409000.1 MORY|QBZ63842.1 NCRA|XP\_965486.1 SSCL|APA14775.1

>Orthogroup3392: ANID|CBF87861.1 BCIN|XP\_001548321.1 BGRA|VDB95031.1 CFRU|XP\_031884000.1 CGLO|KAF3805140.1 CHIG|XP\_018163373.1 CVIN|KAF4927405.1 CVYL|A06416 FGRM|XP\_011321666.1 MGRA|XP\_003856822.1 MLAR|XP\_007414272.1 MORY|QBZ59391.1 NCRA|XP\_962430.1 SSCL|APA06367.1

>Orthogroup3393: ANID|CBF87876.1 BCIN|XP\_001556627.2 BGRA|VDB92658.1 CFRU|XP\_031879786.1 CGLO|KAF3802989.1 CHIG|XP\_018153624.1 CVIN|KAF4929922.1 CVYL|A00422 FGRM|XP\_011316924.1 MGRA|XP\_003856828.1 MLAR|XP\_007411945.1 MORY|QBZ55601.1 NCRA|XP\_965127.1 SSCL|APA14767.1

>Orthogroup3394: ANID|CBF87892.1 BCIN|XP\_001558512.1 BGRA|VDB90604.1 CFRU|XP\_031888373.1 CGLO|KAF3803594.1 CHIG|XP\_018163871.1 CVIN|KAF4920355.1 CVYL|A14529 FGRM|XP\_011316773.1 MGRA|XP\_003856927.1 MLAR|XP\_007409717.1 MORY|QBZ55383.1 NCRA|XP\_965478.1 SSCL|APA14690.1

>Orthogroup3395: ANID|CBF87895.1 BCIN|XP\_001556843.1 BGRA|VDB90608.1 CFRU|XP\_031888371.1 CGLO|KAF3803596.1 CHIG|XP\_018163869.1 CVIN|KAF4920353.1 CVYL|A14531 FGRM|XP\_011316775.1 MGRA|XP\_003856753.1 MLAR|XP\_007412568.1 MORY|QBZ55385.1 NCRA|XP\_001728409.1 SSCL|APA14808.1

>Orthogroup3396: ANID|CBF87897.1 BCIN|XP\_024551789.1 BGRA|VDB89428.1 BGRA|VDB89430.1 CFRU|XP\_031879848.1 CGLO|KAF3803015.1 CHIG|XP\_018153564.1 CVIN|KAF4929917.1 CVYL|A00028 FGRM|XP\_011316308.1 MGRA|XP\_003856827.1 MORY|QBZ55450.1 NCRA|XP\_963710.1 SSCL|APA14639.1

>Orthogroup3397: ANID|CBF87899.1 BCIN|XP\_001558576.2 BGRA|VDB89457.1 CFRU|XP\_031879788.1 CGLO|KAF3803014.1 CHIG|XP\_018153563.1 CVIN|KAF4929918.1 CVYL|A00027 FGRM|XP\_011316129.1 MLAR|XP\_007412355.1 MORY|QBZ55451.1 MORY|QBZ66357.1 NCRA|XP\_963711.3 SSCL|APA14638.1

>Orthogroup3398: ANID|CBF87904.1 BCIN|XP\_001556887.1 BGRA|VDB89302.1 CFRU|XP\_031892327.1 CGLO|KAF3812273.1 CHIG|XP\_018153496.1 CVIN|KAF4919928.1 CVYL|A00110 FGRM|XP\_011316086.1 MGRA|XP\_003851515.1 MLAR|XP\_007409872.1 MORY|QBZ62940.1 NCRA|XP\_965431.2 SSCL|APA14619.1

>Orthogroup3399: ANID|CBF87906.1 BCIN|XP\_001556886.1 BGRA|VDB89301.1 CFRU|XP\_031892324.1 CGLO|KAF3812274.1 CHIG|XP\_018153497.1 CVIN|KAF4919930.1 CVYL|A00109 FGRM|XP\_011316087.1 MGRA|XP\_003851413.1 MLAR|XP\_007415452.1 MORY|QBZ62939.1 NCRA|XP\_011392996.1 SSCL|APA14618.1

>Orthogroup3400: ANID|CBF87952.1 BCIN|XP\_001558431.1 BGRA|VDB90475.1 CFRU|XP\_031879862.1 CGLO|KAF3802997.1 CHIG|XP\_018153615.1 CVIN|KAF4929929.1 CVYL|A00008 FGRM|XP\_011316919.1 MGRA|XP\_003856638.1 MLAR|XP\_007418521.1 MORY|QBZ55596.1 NCRA|XP\_965112.2 SSCL|APA14750.1

>Orthogroup3401: ANID|CBF87957.1 BCIN|XP\_024551555.1 BGRA|VDB92633.1 CFRU|XP\_031890450.1 CGLO|KAF3804960.1 CHIG|XP\_018164466.1 CVIN|KAF4910218.1 CVYL|A12094 FGRM|XP\_011317115.1 MGRA|XP\_003857040.1 MLAR|XP\_007406558.1 MORY|QBZ61475.1 NCRA|XP\_958622.2 SSCL|APA14922.1

>Orthogroup3402: ANID|CBF87959.1 BCIN|XP\_001552447.1 CFRU|XP\_031890497.1 CGLO|KAF3804961.1 CHIG|XP\_018164467.1 CVIN|KAF4910232.1 CVYL|A12093 FGRM|XP\_011317116.1 MGRA|XP\_003856639.1 MLAR|XP\_007411497.1 MLAR|XP\_007419006.1 MORY|QBZ61476.1 NCRA|XP\_958621.1 SSCL|APA14923.1

>Orthogroup3403: ANID|CBF87987.1 BCIN|XP\_024551768.1 BGRA|VDB89296.1 CFRU|XP\_031879834.1 CGLO|KAF3802998.1 CHIG|XP\_018153614.1 CVIN|KAF4929978.1 CVYL|A00009 FGRM|XP\_011316074.1 MGRA|XP\_003856959.1 MLAR|XP\_007410166.1 MORY|QBZ63178.1 NCRA|XP\_964164.1 SSCL|APA14621.1

>Orthogroup3404: ANID|CBF87989.1 BCIN|XP\_001550410.1 BGRA|VDB89424.1 CFRU|XP\_031884076.1 CGLO|KAF3805069.1 CHIG|XP\_018163448.1 CVIN|KAF4902237.1 CVYL|A06491 FGRM|XP\_011318750.1 MGRA|XP\_003857054.1 MLAR|XP\_007406844.1 MORY|QBZ54174.1 NCRA|XP\_957483.3 SSCL|APA06022.1

>Orthogroup3405: ANID|CBF87991.1 BCIN|XP\_024551693.1 BGRA|VDB89422.1 CFRU|XP\_031883839.1 CGLO|KAF3805070.1 CHIG|XP\_018163447.1 CVIN|KAF4927437.1 CVYL|A06490 FGRM|XP\_011318749.1 MGRA|XP\_003857053.1 MLAR|XP\_007406858.1 MORY|QBZ54176.1 NCRA|XP\_957482.2 SSCL|APA06023.1

>Orthogroup3406: ANID|CBF87992.1 BCIN|XP\_024551694.1 BGRA|VDB89420.1 CFRU|XP\_031883920.1 CGLO|KAF3805071.1 CHIG|XP\_018163446.1 CVIN|KAF4927436.1 CVYL|A06489 FGRM|XP\_011318748.1 MGRA|XP\_003856626.1 MLAR|XP\_007413048.1 MORY|QBZ54177.1 NCRA|XP\_957481.1 SSCL|APA06024.1

>Orthogroup3407: ANID|CBF87996.1 BCIN|XP\_001550415.1 BGRA|VDB89413.1 CFRU|XP\_031883936.1 CGLO|KAF3805118.1 CHIG|XP\_018163399.1 CVIN|KAF4927449.1 CVYL|A06439 FGRM|XP\_011321614.1 MGRA|XP\_003856744.1 MLAR|XP\_007412489.1 MORY|QBZ59495.1 NCRA|XP\_962458.1 SSCL|APA06026.1

>Orthogroup3408: ANID|CBF88003.1 BCIN|XP\_001559090.2 BGRA|VDB89201.1 CFRU|XP\_031890958.1 CGLO|KAF3801680.1 CHIG|XP\_018151459.1 CVIN|KAF4896996.1 CVYL|A12456 FGRM|XP\_011328493.1 MGRA|XP\_003856773.1 MLAR|XP\_007408107.1 MORY|QBZ56044.1 NCRA|XP\_960280.3 SSCL|APA09063.1

>Orthogroup3409: ANID|CBF88013.1 BCIN|XP\_001549136.1 BGRA|VDB95022.1 CFRU|XP\_031888575.1 CGLO|KAF3803590.1 CHIG|XP\_018163875.1 CVIN|KAF4920375.1 CVYL|A14525 FGRM|XP\_011316769.1 MGRA|XP\_003857135.1 MLAR|XP\_007415387.1 MORY|QBZ55373.1 NCRA|XP\_965480.2 SSCL|APA06330.1

>Orthogroup3410: ANID|CBF88017.1 BCIN|XP\_024547652.1 BGRA|VCU38786.1 CFRU|XP\_031877415.1 CGLO|KAF3805320.1 CHIG|XP\_018162031.1 CVIN|KAF4931510.1 CVYL|A11737 FGRM|XP\_011324106.1 MGRA|XP\_003856475.1 MLAR|XP\_007408941.1 MORY|QBZ62965.1 NCRA|XP\_957772.1 SSCL|APA07745.1

>Orthogroup3411: ANID|CBF88019.1 BCIN|XP\_001558489.2 BGRA|VDB90582.1 CFRU|XP\_031888574.1 CGLO|KAF3803589.1 CHIG|XP\_018163876.1 CVIN|KAF4920374.1 CVYL|A14524 FGRM|XP\_011316768.1 MGRA|XP\_003856498.1 MLAR|XP\_007405903.1 MORY|QBZ55366.1 NCRA|XP\_964055.1 SSCL|APA14704.1

>Orthogroup3412: ANID|CBF88028.1 BCIN|XP\_024553948.1 BGRA|VCU38805.1 CFRU|XP\_031891528.1 CGLO|KAF3804550.1 CHIG|XP\_018160386.1 CVIN|KAF4924534.1 CVYL|A04268 FGRM|XP\_011326696.1 MGRA|XP\_003856443.1 MLAR|XP\_007406327.1 MORY|QBZ56908.1 NCRA|XP\_961563.2 SSCL|APA15448.1

>Orthogroup3413: ANID|CBF88036.1 BCIN|XP\_024551830.1 BGRA|VDB92451.1 CFRU|XP\_031888571.1 CGLO|KAF3803587.1 CHIG|XP\_018163878.1 CVIN|KAF4920379.1 CVYL|A14522 FGRM|XP\_011316766.1 MGRA|XP\_003857112.1 MLAR|XP\_007414390.1 MORY|QBZ55368.1 NCRA|XP\_965242.2 SSCL|APA14722.1

>Orthogroup3414: ANID|CBF88046.1 BCIN|XP\_001557196.1 BGRA|VDB88849.1 CFRU|XP\_031890736.1 CGLO|KAF3801541.1 CHIG|XP\_018151954.1 CVIN|KAF4921101.1 CVYL|A12595 FGRM|XP\_011319373.1 MGRA|XP\_003857496.1 MLAR|XP\_007409223.1 MORY|QBZ53669.1 NCRA|XP\_963288.1 SSCL|APA12713.1

>Orthogroup3415: ANID|CBF88064.1 BCIN|XP\_024551817.1 BGRA|VDB89709.1 CFRU|XP\_031879804.1 CGLO|KAF3802965.1 CHIG|XP\_018153648.1 CVIN|KAF4929983.1 CVYL|A00397 FGRM|XP\_011317093.1 FGRM|XP\_011327346.1 MGRA|XP\_003856640.1 MORY|QBZ63855.1 NCRA|XP\_965111.1 SSCL|APA14700.1

>Orthogroup3416: ANID|CBF88106.1 BCIN|XP\_024551808.1 BGRA|VDB90590.1 CFRU|XP\_031877877.1 CGLO|KAF3806626.1 CHIG|XP\_018164238.1 CVIN|KAF4918921.1 CVYL|A12338 FGRM|XP\_011316217.1 MGRA|XP\_003856879.1 MLAR|XP\_007414185.1 MORY|QBZ54629.1 NCRA|XP\_964496.1 SSCL|APA14681.1

>Orthogroup3417: ANID|CBF88131.1 BCIN|XP\_001559335.2 BGRA|VDB94870.1 CFRU|XP\_031879319.1 CGLO|KAF3808615.1 CHIG|XP\_018161901.1 CVIN|KAF4926143.1 CVYL|A12310 FGRM|XP\_011318501.1 MLAR|XP\_007405117.1 MLAR|XP\_007418460.1 MORY|QBZ59641.1 NCRA|XP\_962874.1 SSCL|APA07870.1

>Orthogroup3418: ANID|CBF88138.1 CFRU|XP\_031883139.1 CFRU|XP\_031887220.1 CGLO|KAF3800753.1 CGLO|KAF3809313.1 CHIG|XP\_018163301.1 CVIN|KAF4911359.1 CVIN|KAF4919630.1 CVYL|A00451 CVYL|A01511 FGRM|XP\_011315672.1 FGRM|XP\_011327278.1 MGRA|XP\_003856560.1 MORY|QBZ64226.1

>Orthogroup3419: ANID|CBF88153.1 BCIN|XP\_001554001.2 BGRA|VDB94930.1 CFRU|XP\_031891168.1 CGLO|KAF3804569.1 CHIG|XP\_018161647.1 CVIN|KAF4923056.1 CVYL|A05308 FGRM|XP\_011318691.1 MGRA|XP\_003855639.1 MLAR|XP\_007403881.1 MORY|QBZ59235.1 NCRA|XP\_962912.2 SSCL|APA11101.1

>Orthogroup3420: ANID|CBF88155.1 BCIN|XP\_001552546.1 BGRA|VDB94908.1 CFRU|XP\_031891482.1 CGLO|KAF3797892.1 CHIG|XP\_018161630.1 CVIN|KAF4923068.1 CVYL|A05329 FGRM|XP\_011318671.1 MGRA|XP\_003854874.1 MLAR|XP\_007404979.1 MORY|QBZ61139.1 NCRA|XP\_962900.1 SSCL|APA10806.1

>Orthogroup3421: ANID|CBF88157.1 BCIN|XP\_001553952.1 BGRA|VDB94851.1 CFRU|XP\_031891568.1 CGLO|KAF3804684.1 CHIG|XP\_018161758.1 CVIN|KAF4898357.1 CVYL|A05199 FGRM|XP\_011321506.1 MGRA|XP\_003855640.1 MLAR|XP\_007410304.1 MORY|QBZ61567.1 NCRA|XP\_959008.1 SSCL|APA11078.1

>Orthogroup3422: ANID|CBF88161.1 BCIN|XP\_024550534.1 BGRA|VDB94585.1 CFRU|XP\_031887043.1 CGLO|KAF3811445.1 CHIG|XP\_018160688.1 CVIN|KAF4917873.1 CVYL|A04646 FGRM|XP\_011324778.1 MGRA|XP\_003855415.1 MLAR|XP\_007403960.1 MORY|QBZ54567.1 NCRA|XP\_960773.3 SSCL|APA11316.1

>Orthogroup3423: ANID|CBF88164.1 BCIN|XP\_024550303.1 BGRA|VDB94750.1 CFRU|XP\_031877191.1 CGLO|KAF3806435.1 CHIG|XP\_018162321.1 CVIN|KAF4918053.1 CVYL|A12031 FGRM|XP\_011323952.1 MGRA|XP\_003855373.1 MLAR|XP\_007403733.1 MORY|QBZ61412.1 NCRA|XP\_962723.2 SSCL|APA10966.1

>Orthogroup3424: ANID|CBF88168.1 BCIN|XP\_024550474.1 BGRA|VDB94957.1 CFRU|XP\_031891509.1 CGLO|KAF3804645.1 CHIG|XP\_018161722.1 CVIN|KAF4913887.1 CVYL|A05240 FGRM|XP\_011318701.1 FGRM|XP\_011326019.1 MGRA|XP\_003855555.1 MORY|QBZ64108.1 NCRA|XP\_962907.2 SSCL|APA11186.1

>Orthogroup3425: ANID|CBF88172.1 ANID|CBF89441.1 BCIN|XP\_001555445.1 BGRA|VDB90395.1 CFRU|XP\_031877243.1 CFRU|XP\_031890829.1 CGLO|KAF3801608.1 CHIG|XP\_018151370.1 CHIG|XP\_018151371.1 CVIN|KAF4922691.1 CVYL|A12528 MGRA|XP\_003853889.1 MORY|QBZ55458.1 SSCL|APA08164.1

>Orthogroup3426: ANID|CBF88179.1 BCIN|XP\_024547913.1 BGRA|VDB94818.1 CFRU|XP\_031887091.1 CGLO|KAF3811336.1 CHIG|XP\_018160562.1 CVIN|KAF4927215.1 CVYL|A04517 FGRM|XP\_011326904.1 MGRA|XP\_003855114.1 MLAR|XP\_007415648.1 MORY|QBZ57006.1 NCRA|XP\_961513.1 SSCL|APA08233.1

>Orthogroup3427: ANID|CBF88182.1 BCIN|XP\_001555479.2 BGRA|VDB94868.1 CFRU|XP\_031886947.1 CGLO|KAF3811349.1 CHIG|XP\_018160589.1 CVIN|KAF4921002.1 CVYL|A04532 FGRM|XP\_011323643.1 MGRA|XP\_003848784.1 MLAR|XP\_007404051.1 MORY|QBZ56984.1 NCRA|XP\_961489.1 SSCL|APA08188.1

>Orthogroup3428: ANID|CBF88215.1 BCIN|XP\_024550406.1 BGRA|VDB94925.1 CFRU|XP\_031891171.1 CGLO|KAF3804567.1 CHIG|XP\_018161645.1 CVIN|KAF4923102.1 CVYL|A05310 FGRM|XP\_011318690.1 MGRA|XP\_003855123.1 MLAR|XP\_007414874.1 MORY|QBZ61120.1 NCRA|XP\_962906.3 SSCL|APA11103.1

>Orthogroup3429: ANID|CBF88218.1 BCIN|XP\_024550411.1 BGRA|VDB94614.1 CFRU|XP\_031885184.1 CHIG|XP\_018162874.1 CVIN|KAF4927802.1 CVYL|A06620 FGRM|XP\_011327051.1 MGRA|XP\_003854829.1 MLAR|XP\_007408739.1 MLAR|XP\_007416125.1 MORY|QBZ59286.1 NCRA|XP\_959012.2 SSCL|APA11109.1

>Orthogroup3430: ANID|CBF88229.1 BCIN|XP\_001553502.1 BGRA|VDB84445.1 CFRU|XP\_031881613.1 CGLO|KAF3807405.1 CHIG|XP\_018156817.1 CVIN|KAF4929599.1 CVYL|A10906 FGRM|XP\_011328169.1 MGRA|XP\_003848856.1 MLAR|XP\_007408797.1 MORY|QBZ65599.1 NCRA|XP\_965066.1 SSCL|APA10865.1

>Orthogroup3431: ANID|CBF88254.1 BCIN|XP\_001558859.1 BGRA|VDB93694.1 CFRU|XP\_031885354.1 CGLO|KAF3799451.1 CHIG|XP\_018154438.1 CVIN|KAF4931902.1 CVYL|A13313 FGRM|XP\_011316564.1 MGRA|XP\_003849067.1 MLAR|XP\_007413077.1 MORY|QBZ54388.1 NCRA|XP\_957194.2 SSCL|APA06245.1

>Orthogroup3432: ANID|CBF88257.1 BCIN|XP\_024546890.1 BGRA|VDB93917.1 CFRU|XP\_031885928.1 CGLO|KAF3805523.1 CHIG|XP\_018155376.1 CVIN|KAF4918310.1 CVYL|A05645 FGRM|XP\_011317527.1 MGRA|XP\_003855483.1 MLAR|XP\_007417281.1 MORY|QBZ53805.1 NCRA|XP\_963623.1 SSCL|APA05846.1

>Orthogroup3433: ANID|CBF88281.1 BCIN|XP\_001558315.2 BGRA|VDB93913.1 CFRU|XP\_031883238.1 CGLO|KAF3800568.1 CHIG|XP\_018152114.1 CVIN|KAF4927070.1 CVYL|A13147 FGRM|XP\_011317248.1 MGRA|XP\_003855343.1 MLAR|XP\_007413409.1 MORY|QBZ60322.1 NCRA|XP\_011393490.1 SSCL|APA13695.1

>Orthogroup3434: ANID|CBF88312.1 BCIN|XP\_001551485.1 BGRA|VDB83701.1 CFRU|XP\_031885421.1 CGLO|KAF3806489.1 CHIG|XP\_018157524.1 CVIN|KAF4919465.1 CVYL|A09380 FGRM|XP\_011324834.1 MGRA|XP\_003848891.1 MLAR|XP\_007414919.1 MORY|QBZ64521.1 NCRA|XP\_011394257.1 SSCL|APA06198.1

>Orthogroup3435: ANID|CBF88318.1 BCIN|XP\_001547729.1 BGRA|VDB83646.1 CFRU|XP\_031880513.1 CGLO|KAF3811531.1 CHIG|XP\_018160789.1 CVIN|KAF4926776.1 CVYL|A04740 FGRM|XP\_011323559.1 MGRA|XP\_003855024.1 MLAR|XP\_007412138.1 MORY|QBZ58766.1 NCRA|XP\_962201.1 SSCL|APA05376.1

>Orthogroup3436: ANID|CBF88323.1 BCIN|XP\_024553379.1 BGRA|VDB83648.1 CFRU|XP\_031880511.1 CHIG|XP\_018160787.1 CVIN|KAF4926775.1 CVYL|A04739 FGRM|XP\_011320973.1 FGRM|XP\_011328092.1 MGRA|XP\_003849055.1 MLAR|XP\_007415243.1 MORY|QBZ57240.1 NCRA|XP\_011394139.1 SSCL|APA13719.1

>Orthogroup3437: ANID|CBF88325.1 BCIN|XP\_024553378.1 BGRA|VDB83652.1 CFRU|XP\_031880544.1 CGLO|KAF3811569.1 CHIG|XP\_018160826.1 CVIN|KAF4898061.1 CVYL|A04781 FGRM|XP\_011328093.1 MGRA|XP\_003848933.1 MLAR|XP\_007403984.1 MORY|QBZ56678.1 NCRA|XP\_011394219.1 SSCL|APA13720.1

>Orthogroup3438: ANID|CBF88328.1 BCIN|XP\_024553380.1 BGRA|VDB83649.1 CFRU|XP\_031880474.1 CHIG|XP\_018160831.1 CVIN|KAF4898059.1 CVYL|A04778 FGRM|XP\_011328094.1 MGRA|XP\_003848934.1 MGRA|XP\_003850345.1 MLAR|XP\_007407140.1 MORY|QBZ56672.1 NCRA|XP\_962205.2 SSCL|APA13714.1

>Orthogroup3439: ANID|CBF88336.1 BCIN|XP\_001547892.1 CFRU|XP\_031882449.1 CGLO|KAF3807562.1 CHIG|XP\_018156366.1 CVIN|KAF4928909.1 CVYL|A02921 CVYL|A09969 FGRM|XP\_011318934.1 MGRA|XP\_003856228.1 MLAR|XP\_007405082.1 MORY|QBZ57121.1 NCRA|XP\_960578.1 SSCL|APA16156.1

>Orthogroup3440: ANID|CBF88337.1 BCIN|XP\_024553045.1 CFRU|XP\_031882519.1 CGLO|KAF3807561.1 CHIG|XP\_018156365.1 CVIN|KAF4928910.1 CVYL|A02922 FGRM|XP\_011318935.1 MGRA|XP\_003856680.1 MLAR|XP\_007418919.1 MLAR|XP\_007419150.1 MORY|QBZ57122.1 NCRA|XP\_960579.2 SSCL|APA16160.1

>Orthogroup3441: ANID|CBF88345.1 ANID|CBF89563.1 BCIN|XP\_001561284.1 CFRU|XP\_031882876.1 CGLO|KAF3803374.1 CHIG|XP\_018163968.1 CVIN|KAF4915984.1 CVYL|A14287 FGRM|XP\_011316082.1 MGRA|XP\_003847717.1 MGRA|XP\_003848428.1 MORY|QBZ63602.1 NCRA|XP\_957430.2 SSCL|APA06588.1

>Orthogroup3442: ANID|CBF88354.1 BCIN|XP\_001546484.1 BGRA|VDB83628.1 CFRU|XP\_031880609.1 CGLO|KAF3811519.1 CHIG|XP\_018160776.1 CVIN|KAF4926738.1 CVYL|A04728 FGRM|XP\_011327898.1 MGRA|XP\_003849004.1 MLAR|XP\_007417931.1 MORY|QBZ57237.1 NCRA|XP\_961918.2 SSCL|APA08406.1

>Orthogroup3443: ANID|CBF88356.1 BCIN|XP\_001554148.1 BGRA|VDB94482.1 CFRU|XP\_031892983.1 CGLO|KAF3808355.1 CHIG|XP\_018157514.1 CVIN|KAF4909495.1 CVYL|A09470 FGRM|XP\_011328131.1 MGRA|XP\_003848880.1 MLAR|XP\_007412224.1 MORY|QBZ56551.1 NCRA|XP\_962283.1 SSCL|APA05511.1

>Orthogroup3444: ANID|CBF88358.1 BCIN|XP\_001554149.1 BGRA|VDB94483.1 CFRU|XP\_031885322.1 CHIG|XP\_018157513.1 CVIN|KAF4919464.1 CVYL|A09385 FGRM|XP\_011328132.1 MGRA|XP\_003849120.1 MLAR|XP\_007412176.1 MLAR|XP\_007414476.1 MORY|QBZ57246.1 NCRA|XP\_962284.3 SSCL|APA05510.1

>Orthogroup3445: ANID|CBF88387.1 BCIN|XP\_024551401.1 BGRA|VCU41044.1 CFRU|XP\_031885219.1 CGLO|KAF3807691.1 CHIG|XP\_018162917.1 CVIN|KAF4927832.1 CVYL|A06884 FGRM|XP\_011326261.1 MGRA|XP\_003855592.1 MLAR|XP\_007411198.1 MORY|QBZ59696.1 NCRA|XP\_957701.3 SSCL|APA10638.1

>Orthogroup3446: ANID|CBF88404.1 BCIN|XP\_024549322.1 CFRU|XP\_031885252.1 CFRU|XP\_031891346.1 CGLO|KAF3797415.1 CGLO|KAF3807740.1 CHIG|XP\_018157373.1 CVIN|KAF4920528.1 CVIN|KAF4929354.1 CVYL|A07175 CVYL|A10262 FGRM|XP\_011322389.1 NCRA|XP\_958179.2 SSCL|APA08944.1

>Orthogroup3447: ANID|CBF88408.1 BCIN|XP\_001560702.1 BGRA|VDB90346.1 CFRU|XP\_031886443.1 CGLO|KAF3811888.1 CHIG|XP\_018155172.1 CVIN|KAF4920583.1 CVYL|A06181 FGRM|XP\_011317391.1 MGRA|XP\_003850668.1 MLAR|XP\_007418796.1 MORY|QBZ53761.1 NCRA|XP\_955772.2 SSCL|APA07985.1

>Orthogroup3448: ANID|CBF88446.1 BCIN|XP\_024551317.1 BGRA|VCU39458.1 CFRU|XP\_031886696.1 CGLO|KAF3804059.1 CHIG|XP\_018162702.1 CVIN|KAF4919557.1 CVYL|A07021 FGRM|XP\_011326945.1 MGRA|XP\_003849208.1 MLAR|XP\_007415781.1 MORY|QBZ55692.1 NCRA|XP\_956375.3 SSCL|APA10558.1

>Orthogroup3449: ANID|CBF88452.1 BCIN|XP\_024547475.1 BGRA|VDB90356.1 CFRU|XP\_031881283.1 CGLO|KAF3802529.1 CHIG|XP\_018154833.1 CVIN|KAF4921849.1 CVYL|A02129 FGRM|XP\_011324643.1 MGRA|XP\_003855648.1 MLAR|XP\_007404843.1 MORY|QBZ53953.1 NCRA|XP\_963204.1 SSCL|APA07646.1

>Orthogroup3450: ANID|CBF88470.1 BCIN|XP\_001559810.1 BGRA|VDB93283.1 CFRU|XP\_031890334.1 CGLO|KAF3806704.1 CHIG|XP\_018158678.1 CVIN|KAF4925994.1 CVYL|A14010 FGRM|XP\_011315940.1 MGRA|XP\_003852949.1 MLAR|XP\_007411800.1 MORY|QBZ55745.1 NCRA|XP\_964593.1 SSCL|APA09687.1

>Orthogroup3451: ANID|CBF88474.1 BCIN|XP\_001560089.1 BGRA|VDB93291.1 CFRU|XP\_031890035.1 CGLO|KAF3798882.1 CHIG|XP\_018158551.1 CVIN|KAF4925578.1 CVYL|A05071 FGRM|XP\_011316621.1 MGRA|XP\_003853465.1 MGRA|XP\_003853735.1 MORY|QBZ55955.1 NCRA|XP\_965011.2 SSCL|APA09896.1

>Orthogroup3452: ANID|CBF88477.1 BCIN|XP\_001559522.1 BGRA|VDB83926.1 CFRU|XP\_031890241.1 CGLO|KAF3802879.1 CHIG|XP\_018158479.1 CVIN|KAF4923846.1 CVYL|A05134 FGRM|XP\_011316604.1 MGRA|XP\_003857556.1 MLAR|XP\_007412068.1 MORY|QBZ55408.1 NCRA|XP\_964745.1 SSCL|APA09523.1

>Orthogroup3453: ANID|CBF88504.1 BCIN|XP\_001553218.1 BGRA|VDB89711.1 CFRU|XP\_031881680.1 CGLO|KAF3805376.1 CHIG|XP\_018156733.1 CVIN|KAF4890837.1 CVYL|A11024 FGRM|XP\_011320048.1 MGRA|XP\_003848847.1 MLAR|XP\_007414603.1 MORY|QBZ65426.1 NCRA|XP\_965729.1 SSCL|APA12073.1

>Orthogroup3454: ANID|CBF88506.1 BCIN|XP\_024551124.1 BGRA|VDB95335.1 CFRU|XP\_031880375.1 CGLO|KAF3807292.1 CHIG|XP\_018156964.1 CVIN|KAF4918087.1 CVYL|A10779 FGRM|XP\_011328177.1 MLAR|XP\_007407146.1 MLAR|XP\_007412981.1 MORY|QBZ65684.1 NCRA|XP\_011393105.1 SSCL|APA12071.1

>Orthogroup3455: ANID|CBF88508.1 BCIN|XP\_024551364.1 BGRA|VDB89095.1 CFRU|XP\_031893448.1 CGLO|KAF3808357.1 CHIG|XP\_018152418.1 CVIN|KAF4918620.1 CVYL|A09515 FGRM|XP\_011317699.1 FGRM|XP\_011322013.1 MGRA|XP\_003855602.1 MORY|QBZ54481.1 NCRA|XP\_011394566.1 SSCL|APA10484.1

>Orthogroup3456: ANID|CBF88511.1 BCIN|XP\_024551363.1 BGRA|VDB89096.1 CFRU|XP\_031893096.1 CGLO|KAF3808358.1 CHIG|XP\_018152420.1 CVIN|KAF4918625.1 CVYL|A09516 FGRM|XP\_011317700.1 MGRA|XP\_003848943.1 MLAR|XP\_007407166.1 MORY|QBZ54482.1 NCRA|XP\_961466.1 SSCL|APA10482.1

>Orthogroup3457: ANID|CBF88513.1 BCIN|XP\_024552874.1 BGRA|VCU39621.1 CFRU|XP\_031889471.1 CGLO|KAF3808838.1 CHIG|XP\_018155737.1 CVIN|KAF4909983.1 CVYL|A01243 FGRM|XP\_011318921.1 MGRA|XP\_003855161.1 MLAR|XP\_007403888.1 MORY|QBZ53858.1 NCRA|XP\_961416.1 SSCL|APA16110.1

>Orthogroup3458: ANID|CBF88528.1 BCIN|XP\_024547710.1 BGRA|VDB94646.1 CFRU|XP\_031883327.1 CGLO|KAF3800514.1 CHIG|XP\_018152288.1 CVIN|KAF4919228.1 CVYL|A13200 FGRM|XP\_011323668.1 MGRA|XP\_003855280.1 MLAR|XP\_007418381.1 MORY|QBZ64834.1 NCRA|XP\_955879.1 SSCL|APA07935.1

>Orthogroup3459: ANID|CBF88619.1 BCIN|XP\_024549513.1 BGRA|VCU40075.1 CFRU|XP\_031876736.1 CHIG|XP\_018157471.1 CVIN|KAF4918481.1 CVYL|A09423 FGRM|XP\_011328118.1 MGRA|XP\_003853030.1 MLAR|XP\_007406893.1 MLAR|XP\_007419210.1 MORY|QBZ56366.1 NCRA|XP\_957455.1 SSCL|APA09128.1

>Orthogroup3460: ANID|CBF88645.1 BCIN|XP\_001546108.1 BGRA|VCU39456.1 CFRU|XP\_031886259.1 CGLO|KAF3806275.1 CHIG|XP\_018162101.1 CVIN|KAF4923958.1 CVYL|A11865 FGRM|XP\_011324022.1 MLAR|XP\_007408441.1 MLAR|XP\_007410936.1 MORY|QBZ61351.1 NCRA|XP\_957228.1 SSCL|APA10612.1

>Orthogroup3461: ANID|CBF88662.1 BCIN|XP\_001559437.2 BGRA|VDB90337.1 CFRU|XP\_031875771.1 CFRU|XP\_031881257.1 CGLO|KAF3802530.1 CHIG|XP\_018154832.1 CVIN|KAF4921871.1 CVYL|A02128 CVYL|A08529 FGRM|XP\_011324644.1 MORY|QBZ53951.1 NCRA|XP\_963205.1 SSCL|APA07662.1

>Orthogroup3462: ANID|CBF88664.1 BCIN|XP\_024551517.1 BGRA|VCU39910.1 BGRA|VCU39911.1 CFRU|XP\_031884342.1 CGLO|KAF3806471.1 CHIG|XP\_018162367.1 CVIN|KAF4908641.1 CVYL|A12071 FGRM|XP\_011323918.1 MGRA|XP\_003854920.1 MORY|QBZ61589.1 NCRA|XP\_959009.2 SSCL|APA10210.1

>Orthogroup3463: ANID|CBF88666.1 BCIN|XP\_001548883.1 BGRA|VDB90353.1 CFRU|XP\_031881152.1 CGLO|KAF3802516.1 CHIG|XP\_018154821.1 CVIN|KAF4918993.1 CVYL|A02108 FGRM|XP\_011325576.1 MGRA|XP\_003855039.1 MLAR|XP\_007413520.1 MORY|QBZ53947.1 NCRA|XP\_963209.1 SSCL|APA15992.1

>Orthogroup3464: ANID|CBF88672.1 BCIN|XP\_024547463.1 BGRA|VDB94789.1 CFRU|XP\_031886211.1 CGLO|KAF3801150.1 CHIG|XP\_018155214.1 CVIN|KAF4904484.1 CVYL|A05695 FGRM|XP\_011317410.1 MGRA|XP\_003855643.1 MLAR|XP\_007414455.1 MORY|QBZ60896.1 NCRA|XP\_963212.2 SSCL|APA07633.1

>Orthogroup3465: ANID|CBF88674.1 BCIN|XP\_001559487.1 BGRA|VDB90354.1 CFRU|XP\_031881151.1 CGLO|KAF3802512.1 CHIG|XP\_018154817.1 CVIN|KAF4919016.1 CVYL|A02104 FGRM|XP\_011324638.1 MGRA|XP\_003855038.1 MLAR|XP\_007410876.1 MORY|QBZ53958.1 NCRA|XP\_963230.2 SSCL|APA07632.1

>Orthogroup3466: ANID|CBF88694.1 BCIN|XP\_001557493.1 BGRA|VCU39524.1 CFRU|XP\_031885259.1 CGLO|KAF3807686.1 CHIG|XP\_018162912.1 CVIN|KAF4927839.1 CVYL|A06879 FGRM|XP\_011326268.1 MGRA|XP\_003855162.1 MLAR|XP\_007417741.1 MORY|QBZ59708.1 NCRA|XP\_956682.1 SSCL|APA10620.1

>Orthogroup3467: ANID|CBF88699.1 BCIN|XP\_001554185.1 BGRA|VCU41023.1 CFRU|XP\_031893447.1 CGLO|KAF3808354.1 CHIG|XP\_018152413.1 CVIN|KAF4918640.1 CVYL|A09514 FGRM|XP\_011317698.1 MGRA|XP\_003848944.1 MLAR|XP\_007414547.1 MORY|QBZ54485.1 NCRA|XP\_961454.2 SSCL|APA10177.1

>Orthogroup3468: ANID|CBF88706.1 BCIN|XP\_001548085.1 BGRA|VDB91347.1 CFRU|XP\_031889958.1 CGLO|KAF3802899.1 CHIG|XP\_018158490.1 CVIN|KAF4907432.1 CVYL|A05114 FGRM|XP\_011316403.1 MGRA|XP\_003852952.1 MLAR|XP\_007412948.1 MORY|QBZ55933.1 NCRA|XP\_011392849.1 SSCL|APA09515.1

>Orthogroup3469: ANID|CBF88718.1 BCIN|XP\_001559812.1 BGRA|VDB93281.1 CFRU|XP\_031890336.1 CHIG|XP\_018158676.1 CVIN|KAF4925967.1 CVYL|A14008 FGRM|XP\_011315938.1 MGRA|XP\_003856108.1 MLAR|XP\_007405229.1 MLAR|XP\_007405378.1 MORY|QBZ55747.1 NCRA|XP\_964594.1 SSCL|APA09689.1

>Orthogroup3470: ANID|CBF88723.1 BCIN|XP\_001560094.1 BGRA|VDB93293.1 CFRU|XP\_031889993.1 CGLO|KAF3802915.1 CHIG|XP\_018158518.1 CVIN|KAF4925560.1 CVYL|A05102 FGRM|XP\_011316360.1 MGRA|XP\_003857517.1 MLAR|XP\_007411447.1 MORY|QBZ55947.1 NCRA|XP\_965022.1 SSCL|APA09891.1

>Orthogroup3471: ANID|CBF88725.1 BCIN|XP\_024548683.1 CFRU|XP\_031889979.1 CGLO|KAF3802936.1 CHIG|XP\_018158539.1 CVIN|KAF4925557.1 CVYL|A05082 FGRM|XP\_011316355.1 MGRA|XP\_003857518.1 MLAR|XP\_007415970.1 MLAR|XP\_007415973.1 MORY|QBZ55951.1 NCRA|XP\_965024.1 SSCL|APA09904.1

>Orthogroup3472: ANID|CBF88730.1 BCIN|XP\_001552059.1 BGRA|VDB83917.1 CFRU|XP\_031889986.1 CGLO|KAF3802934.1 CHIG|XP\_018158537.1 CVIN|KAF4925591.1 CVYL|A05084 FGRM|XP\_011316353.1 MGRA|XP\_003852913.1 MLAR|XP\_007410756.1 MORY|QBZ55988.1 NCRA|XP\_965019.2 SSCL|APA09998.1

>Orthogroup3473: ANID|CBF88741.1 BCIN|XP\_001549037.1 BGRA|VDB84028.1 CFRU|XP\_031890544.1 CGLO|KAF3806693.1 CHIG|XP\_018158662.1 CVIN|KAF4925986.1 CVYL|A13996 FGRM|XP\_011316651.1 MGRA|XP\_003852940.1 MLAR|XP\_007418175.1 MORY|QBZ55480.1 NCRA|XP\_964097.2 SSCL|APA09846.1

>Orthogroup3474: ANID|CBF88754.1 BCIN|XP\_001548614.2 BGRA|VDB93290.1 CFRU|XP\_031890438.1 CGLO|KAF3805311.1 CHIG|XP\_018158629.1 CVIN|KAF4926033.1 CVYL|A13964 FGRM|XP\_011316593.1 MGRA|XP\_003852942.1 MLAR|XP\_007411956.1 MORY|QBZ56079.1 NCRA|XP\_964186.3 SSCL|APA09659.1

>Orthogroup3475: ANID|CBF88763.1 BCIN|XP\_001559723.1 BGRA|VDB83972.1 CFRU|XP\_031890617.1 CGLO|KAF3805309.1 CHIG|XP\_018158627.1 CVIN|KAF4926009.1 CVYL|A13962 FGRM|XP\_011316592.1 MGRA|XP\_003853594.1 MLAR|XP\_007412818.1 MORY|QBZ56077.1 NCRA|XP\_964188.1 SSCL|APA09464.1

>Orthogroup3476: ANID|CBF88765.1 BCIN|XP\_001549045.1 BGRA|VDB84091.1 CFRU|XP\_031890430.1 CGLO|KAF3798134.1 CHIG|XP\_018158637.1 CVIN|KAF4925981.1 CVYL|A13972 FGRM|XP\_011323400.1 MGRA|XP\_003854497.1 MLAR|XP\_007419060.1 MORY|QBZ56084.1 NCRA|XP\_964182.1 SSCL|APA09852.1

>Orthogroup3477: ANID|CBF88768.1 BCIN|XP\_001559724.1 BGRA|VDB83968.1 CFRU|XP\_031890437.1 CGLO|KAF3805310.1 CHIG|XP\_018158628.1 CVIN|KAF4926010.1 CVYL|A13963 FGRM|XP\_011316591.1 MGRA|XP\_003854498.1 MLAR|XP\_007404351.1 MORY|QBZ56078.1 NCRA|XP\_964187.1 SSCL|APA09465.1

>Orthogroup3478: ANID|CBF88789.1 BGRA|VCU39471.1 CFRU|XP\_031887946.1 CFRU|XP\_031892889.1 CGLO|KAF3797588.1 CGLO|KAF3798389.1 CHIG|XP\_018152730.1 CVIN|KAF4912165.1 CVIN|KAF4922829.1 CVYL|A08205 FGRM|XP\_011317924.1 MLAR|XP\_007411253.1 MORY|QBZ58297.1 NCRA|XP\_961579.3

>Orthogroup3479: ANID|CBF88804.1 BCIN|XP\_024551136.1 BGRA|VDB89542.1 CFRU|XP\_031887867.1 CGLO|KAF3802296.1 CHIG|XP\_018154398.1 CVIN|KAF4924414.1 CVYL|A10629 FGRM|XP\_011319770.1 MGRA|XP\_003855605.1 MLAR|XP\_007418512.1 MORY|QBZ65773.1 NCRA|XP\_011392901.1 SSCL|APA12082.1

>Orthogroup3480: ANID|CBF88834.1 BCIN|XP\_001550035.1 BGRA|VCU41021.1 CFRU|XP\_031893140.1 CGLO|KAF3797483.1 CHIG|XP\_018152384.1 CVIN|KAF4898429.1 CVYL|A09486 FGRM|XP\_011317724.1 MGRA|XP\_003854940.1 MLAR|XP\_007411353.1 MORY|QBZ54048.1 NCRA|XP\_961281.3 SSCL|APA10477.1

>Orthogroup3481: ANID|CBF88852.1 BCIN|XP\_024549520.1 BGRA|VCU40083.1 CFRU|XP\_031887725.1 CGLO|KAF3807153.1 CHIG|XP\_018160976.1 CVIN|KAF4920184.1 CVYL|A03555 FGRM|XP\_011327945.1 MGRA|XP\_003851903.1 MLAR|XP\_007410686.1 MORY|QBZ58809.1 NCRA|XP\_962075.1 SSCL|APA09116.1

>Orthogroup3482: ANID|CBF88896.1 BCIN|XP\_024547083.1 BGRA|VDB83612.1 CFRU|XP\_031877148.1 CGLO|KAF3803973.1 CHIG|XP\_018150970.1 CVIN|KAF4925149.1 CVYL|A08828 FGRM|XP\_011323754.1 MGRA|XP\_003851876.1 MLAR|XP\_007417511.1 MORY|QBZ61676.1 NCRA|XP\_955912.1 SSCL|APA06165.1

>Orthogroup3483: ANID|CBF88900.1 BCIN|XP\_024552644.1 BGRA|VDB88073.1 CFRU|XP\_031882562.1 CGLO|KAF3800476.1 CHIG|XP\_018152219.1 CVIN|KAF4906664.1 CVYL|A13235 FGRM|XP\_011321325.1 MGRA|XP\_003851676.1 MLAR|XP\_007408168.1 MORY|QBZ62011.1 NCRA|XP\_956005.1 SSCL|APA15591.1

>Orthogroup3484: ANID|CBF88902.1 BCIN|XP\_024552645.1 BGRA|VDB88074.1 CFRU|XP\_031883387.1 CGLO|KAF3800509.1 CHIG|XP\_018152215.1 CVIN|KAF4919222.1 CVYL|A13205 FGRM|XP\_011321321.1 MGRA|XP\_003851687.1 MLAR|XP\_007411841.1 MORY|QBZ61108.1 NCRA|XP\_956536.3 SSCL|APA15590.1

>Orthogroup3485: ANID|CBF88905.1 BCIN|XP\_001545705.1 BGRA|VDB95213.1 CFRU|XP\_031887592.1 CGLO|KAF3811640.1 CHIG|XP\_018160915.1 CVIN|KAF4921461.1 CVYL|A03501 FGRM|XP\_011323584.1 MGRA|XP\_003851585.1 MLAR|XP\_007409510.1 MORY|QBZ56598.1 NCRA|XP\_962663.2 SSCL|APA06206.1

>Orthogroup3486: ANID|CBF88927.1 BCIN|XP\_024553539.1 BGRA|VDB83687.1 CFRU|XP\_031877108.1 CGLO|KAF3803962.1 CHIG|XP\_018150982.1 CVIN|KAF4925159.1 CVYL|A08840 FGRM|XP\_011323416.1 MGRA|XP\_003857546.1 MLAR|XP\_007407443.1 MORY|QBZ59212.1 NCRA|XP\_957506.1 SSCL|APA13717.1

>Orthogroup3487: ANID|CBF88931.1 BCIN|XP\_001546341.1 BGRA|VCU39349.1 CFRU|XP\_031879031.1 CGLO|KAF3798778.1 CHIG|XP\_018151237.1 CVIN|KAF4912770.1 CVYL|A09145 FGRM|XP\_011328079.1 MGRA|XP\_003856052.1 MLAR|XP\_007414223.1 MORY|QBZ55238.1 NCRA|XP\_962119.1 SSCL|APA05406.1

>Orthogroup3488: ANID|CBF88948.1 BCIN|XP\_024552651.1 BGRA|VDB88343.1 CFRU|XP\_031882665.1 CGLO|KAF3796939.1 CHIG|XP\_018152225.1 CVIN|KAF4901179.1 CVYL|A13242 FGRM|XP\_011325696.1 MGRA|XP\_003856050.1 MLAR|XP\_007410154.1 MORY|QBZ62048.1 NCRA|XP\_956266.1 SSCL|APA15579.1

>Orthogroup3489: ANID|CBF88968.1 BCIN|XP\_001545578.1 BGRA|VDB89086.1 CFRU|XP\_031889355.1 CGLO|KAF3808812.1 CHIG|XP\_018155715.1 CVIN|KAF4908017.1 CVYL|A01266 FGRM|XP\_011319264.1 MGRA|XP\_003856415.1 MLAR|XP\_007406436.1 MORY|QBZ58710.1 NCRA|XP\_960675.1 SSCL|APA16299.1

>Orthogroup3490: ANID|CBF88984.1 BCIN|XP\_001545580.1 BGRA|VDB89084.1 CFRU|XP\_031889455.1 CGLO|KAF3808814.1 CHIG|XP\_018155717.1 CVIN|KAF4908029.1 CVYL|A01264 FGRM|XP\_011319266.1 MGRA|XP\_003857393.1 MLAR|XP\_007403726.1 MORY|QBZ58715.1 NCRA|XP\_960813.3 SSCL|APA16301.1

>Orthogroup3491: ANID|CBF89002.1 BCIN|XP\_001556217.1 BGRA|VDB90878.1 CFRU|XP\_031890457.1 CGLO|KAF3804943.1 CHIG|XP\_018164448.1 CVIN|KAF4919410.1 CVYL|A12110 FGRM|XP\_011316854.1 MGRA|XP\_003856205.1 MLAR|XP\_007413588.1 MORY|QBZ54708.1 NCRA|XP\_964422.1 SSCL|APA08981.1

>Orthogroup3492: ANID|CBF89004.1 BCIN|XP\_001559538.1 BGRA|VDB89213.1 CFRU|XP\_031891158.1 CGLO|KAF3804493.1 CHIG|XP\_018160321.1 CVIN|KAF4930981.1 CVYL|A04207 FGRM|XP\_011324751.1 MGRA|XP\_003856340.1 MLAR|XP\_007408125.1 MORY|QBZ59108.1 NCRA|XP\_961120.1 SSCL|APA09535.1

>Orthogroup3493: ANID|CBF89025.1 BCIN|XP\_001547579.1 BGRA|VCU41301.1 CFRU|XP\_031889159.1 CGLO|KAF3808692.1 CHIG|XP\_018155555.1 CVIN|KAF4929647.1 CVYL|A00955 FGRM|XP\_011321114.1 MGRA|XP\_003857009.1 MLAR|XP\_007406487.1 MORY|QBZ60106.1 NCRA|XP\_957390.1 SSCL|APA07465.1

>Orthogroup3494: ANID|CBF89031.1 BCIN|XP\_024548712.1 BGRA|VDB89319.1 CFRU|XP\_031882148.1 CGLO|KAF3804447.1 CHIG|XP\_018160271.1 CVIN|KAF4930920.1 CVYL|A04156 FGRM|XP\_011324505.1 MGRA|XP\_003856342.1 MLAR|XP\_007416709.1 MORY|QBZ53831.1 NCRA|XP\_960744.3 SSCL|APA09981.1

>Orthogroup3495: ANID|CBF89063.1 BCIN|XP\_001559530.1 BGRA|VDB89287.1 CFRU|XP\_031886478.1 CGLO|KAF3806170.1 CHIG|XP\_018162155.1 CVIN|KAF4931574.1 CVYL|A11756 FGRM|XP\_011324089.1 MGRA|XP\_003856234.1 MLAR|XP\_007412217.1 MORY|QBZ61385.1 NCRA|XP\_011393782.1 SSCL|APA09530.1

>Orthogroup3496: ANID|CBF89073.1 BCIN|XP\_001560698.1 BGRA|VDB90347.1 CFRU|XP\_031885413.1 CGLO|KAF3799426.1 CHIG|XP\_018152298.1 CVIN|KAF4931732.1 CVYL|A13290 FGRM|XP\_011323656.1 MGRA|XP\_003855593.1 MLAR|XP\_007412063.1 MORY|QBZ64787.1 NCRA|XP\_955777.1 SSCL|APA07987.1

>Orthogroup3497: ANID|CBF89079.1 BCIN|XP\_001557459.1 BGRA|VCU41034.1 CFRU|XP\_031886535.1 CGLO|KAF3800278.1 CHIG|XP\_018162765.1 CVIN|KAF4927560.1 CVYL|A06958 FGRM|XP\_011318456.1 MGRA|XP\_003854934.1 MLAR|XP\_007406768.1 MORY|QBZ61595.1 NCRA|XP\_957356.3 SSCL|APA10642.1

>Orthogroup3498: ANID|CBF89085.1 BCIN|XP\_001548863.1 BGRA|VDB90350.1 CFRU|XP\_031881164.1 CGLO|KAF3802521.1 CHIG|XP\_018154840.1 CVIN|KAF4918996.1 CVYL|A02113 FGRM|XP\_011316703.1 MGRA|XP\_003855412.1 MLAR|XP\_007403641.1 MORY|QBZ60994.1 NCRA|XP\_958196.1 SSCL|APA15982.1

>Orthogroup3499: ANID|CBF89096.1 BCIN|XP\_001546275.1 BGRA|VCU39785.1 CFRU|XP\_031886539.1 CGLO|KAF3800286.1 CHIG|XP\_018162774.1 CVIN|KAF4927558.1 CVYL|A06948 FGRM|XP\_011318469.1 MGRA|XP\_003855669.1 MLAR|XP\_007413938.1 MORY|QBZ63887.1 NCRA|XP\_956671.2 SSCL|APA10244.1

>Orthogroup3500: ANID|CBF89108.1 BCIN|XP\_001545584.1 BGRA|VCU39472.1 CFRU|XP\_031885115.1 CGLO|KAF3800301.1 CHIG|XP\_018162790.1 CVIN|KAF4927578.1 CVYL|A06928 FGRM|XP\_011326426.1 MGRA|XP\_003855691.1 MLAR|XP\_007412021.1 MORY|QBZ63844.1 NCRA|XP\_957779.1 SSCL|APA10205.1

>Orthogroup3501: ANID|CBF89157.1 BCIN|XP\_024547729.1 BGRA|VDB86034.1 BGRA|VDB86058.1 BGRA|VDB89391.1 CFRU|XP\_031882276.1 CGLO|KAF3804467.1 CHIG|XP\_018160303.1 CVIN|KAF4930907.1 CVYL|A04181 FGRM|XP\_011326905.1 MORY|QBZ57057.1 NCRA|XP\_961357.1 SSCL|APA07970.1

>Orthogroup3502: ANID|CBF89158.1 BCIN|XP\_024552204.1 BGRA|VCU39480.1 CFRU|XP\_031877117.1 CGLO|KAF3804000.1 CHIG|XP\_018150935.1 CVIN|KAF4925205.1 CVYL|A08802 FGRM|XP\_011323763.1 MGRA|XP\_003849303.1 MLAR|XP\_007409100.1 MORY|QBZ59433.1 NCRA|XP\_962347.1 SSCL|APA12893.1

>Orthogroup3503: ANID|CBF89160.1 BCIN|XP\_001558194.1 BGRA|VDB89687.1 CFRU|XP\_031878546.1 CGLO|KAF3798523.1 CHIG|XP\_018161201.1 CVIN|KAF4919294.1 CVYL|A03802 FGRM|XP\_011327904.1 MGRA|XP\_003849625.1 MLAR|XP\_007409251.1 MORY|QBZ57200.1 NCRA|XP\_964443.1 SSCL|APA13084.1

>Orthogroup3504: ANID|CBF89166.1 BCIN|XP\_024552169.1 BGRA|VDB89674.1 CFRU|XP\_031878589.1 CGLO|KAF3798524.1 CHIG|XP\_018161202.1 CVIN|KAF4919291.1 CVYL|A03801 FGRM|XP\_011327905.1 MLAR|XP\_007414002.1 MLAR|XP\_007417702.1 MORY|QBZ57201.1 NCRA|XP\_964444.1 SSCL|APA13085.1

>Orthogroup3505: ANID|CBF89169.1 BCIN|XP\_024552106.1 BGRA|VDB92755.1 CFRU|XP\_031878625.1 CGLO|KAF3798502.1 CHIG|XP\_018161219.1 CVIN|KAF4917474.1 CVYL|A03822 FGRM|XP\_011327929.1 MGRA|XP\_003849357.1 MLAR|XP\_007411537.1 MORY|QBZ64528.1 NCRA|XP\_011394267.1 SSCL|APA12936.1

>Orthogroup3506: ANID|CBF89188.1 BCIN|XP\_024552077.1 BGRA|VDB92746.1 CFRU|XP\_031878624.1 CGLO|KAF3798503.1 CHIG|XP\_018161220.1 CVIN|KAF4917475.1 CVYL|A03821 FGRM|XP\_011327930.1 MGRA|XP\_003849711.1 MLAR|XP\_007404055.1 MORY|QBZ64529.1 NCRA|XP\_962298.1 SSCL|APA12858.1

>Orthogroup3507: ANID|CBF89196.1 BCIN|XP\_001550272.1 BGRA|VDB92748.1 CFRU|XP\_031878544.1 CGLO|KAF3798528.1 CHIG|XP\_018161206.1 CVIN|KAF4919295.1 CVYL|A03797 FGRM|XP\_011327980.1 MGRA|XP\_003849415.1 MLAR|XP\_007406630.1 MORY|QBZ57213.1 NCRA|XP\_961969.1 SSCL|APA12855.1

>Orthogroup3508: ANID|CBF89201.1 BCIN|XP\_024552289.1 BGRA|VCU39235.1 CFRU|XP\_031887615.1 CGLO|KAF3803182.1 CHIG|XP\_018161023.1 CVIN|KAF4920224.1 CVYL|A03612 FGRM|XP\_011323818.1 MGRA|XP\_003847280.1 MGRA|XP\_003849794.1 MORY|QBZ58830.1 NCRA|XP\_962368.3 SSCL|APA13067.1

>Orthogroup3509: ANID|CBF89203.1 BCIN|XP\_001556347.1 BGRA|VDB88250.1 CFRU|XP\_031882591.1 CGLO|KAF3800487.1 CHIG|XP\_018152280.1 CVIN|KAF4906660.1 CVYL|A13226 FGRM|XP\_011323684.1 MGRA|XP\_003849544.1 MLAR|XP\_007410123.1 MORY|QBZ53771.1 NCRA|XP\_011393532.1 SSCL|APA08728.1

>Orthogroup3510: ANID|CBF89206.1 BCIN|XP\_001556314.2 BGRA|VDB88288.1 CFRU|XP\_031886001.1 CGLO|KAF3812010.1 CHIG|XP\_018155241.1 CVIN|KAF4930438.1 CVYL|A05499 FGRM|XP\_011317469.1 MGRA|XP\_003849740.1 MLAR|XP\_007417759.1 MORY|QBZ60963.1 NCRA|XP\_955894.1 SSCL|APA15702.1

>Orthogroup3511: ANID|CBF89210.1 BCIN|XP\_001550302.1 BGRA|VDB92826.1 CFRU|XP\_031878607.1 CGLO|KAF3798513.1 CHIG|XP\_018161191.1 CVIN|KAF4917492.1 CVYL|A03812 FGRM|XP\_011328780.1 MGRA|XP\_003849605.1 MLAR|XP\_007414340.1 MORY|QBZ56517.1 NCRA|XP\_962404.1 SSCL|APA12834.1

>Orthogroup3512: ANID|CBF89212.1 BCIN|XP\_001556324.1 BGRA|VDB87872.1 CFRU|XP\_031881207.1 CGLO|KAF3802464.1 CHIG|XP\_018154769.1 CVIN|KAF4916864.1 CVYL|A02063 FGRM|XP\_011325547.1 MGRA|XP\_003849829.1 MLAR|XP\_007416019.1 MORY|QBZ64782.1 NCRA|XP\_956128.1 SSCL|APA08739.1

>Orthogroup3513: ANID|CBF89232.1 BCIN|XP\_024552218.1 BGRA|VDB92830.1 CFRU|XP\_031887613.1 CGLO|KAF3803178.1 CHIG|XP\_018161018.1 CVIN|KAF4920228.1 CVYL|A03608 FGRM|XP\_011327870.1 MGRA|XP\_003849694.1 MLAR|XP\_007410632.1 MORY|QBZ58828.1 NCRA|XP\_961819.3 SSCL|APA12992.1

>Orthogroup3514: ANID|CBF89237.1 BCIN|XP\_001553860.2 BGRA|VCU39227.1 CFRU|XP\_031887579.1 CGLO|KAF3811617.1 CHIG|XP\_018160891.1 CVIN|KAF4921473.1 CVYL|A03475 FGRM|XP\_011328153.1 MGRA|XP\_003849416.1 MLAR|XP\_007417507.1 MORY|QBZ56589.1 NCRA|XP\_962666.1 SSCL|APA13076.1

>Orthogroup3515: ANID|CBF89239.1 BCIN|XP\_024552571.1 CFRU|XP\_031886070.1 CGLO|KAF3805468.1 CHIG|XP\_018155331.1 CHIG|XP\_018155332.1 CVIN|KAF4897793.1 CVYL|A05598 FGRM|XP\_011317529.1 MGRA|XP\_003849656.1 MLAR|XP\_007415684.1 MORY|QBZ59016.1 NCRA|XP\_963591.2 SSCL|APA15623.1

>Orthogroup3516: ANID|CBF89348.1 BCIN|XP\_001554818.1 BGRA|VDB91205.1 CFRU|XP\_031879439.1 CGLO|KAF3802404.1 CHIG|XP\_018154704.1 CVIN|KAF4922175.1 CVYL|A13548 FGRM|XP\_011317269.1 MGRA|XP\_003849587.1 MLAR|XP\_007412681.1 MORY|QBZ64844.1 NCRA|XP\_956721.2 SSCL|APA15524.1

>Orthogroup3517: ANID|CBF89350.1 BCIN|XP\_001554817.1 BGRA|VDB91203.1 CFRU|XP\_031879438.1 CGLO|KAF3802403.1 CHIG|XP\_018154703.1 CVIN|KAF4922174.1 CVYL|A13547 FGRM|XP\_011317270.1 MGRA|XP\_003849588.1 MLAR|XP\_007414990.1 MORY|QBZ64845.1 NCRA|XP\_956722.1 SSCL|APA15523.1

>Orthogroup3518: ANID|CBF89380.1 BCIN|XP\_024549977.1 BGRA|VDB96346.1 CFRU|XP\_031878492.1 CGLO|KAF3798602.1 CHIG|XP\_018153926.1 CVIN|KAF4930154.1 CVYL|A04844 FGRM|XP\_011327729.1 MGRA|XP\_003853811.1 MLAR|XP\_007410197.1 MORY|QBZ58120.1 NCRA|XP\_957732.2 SSCL|APA05307.1

>Orthogroup3519: ANID|CBF89414.1 BCIN|XP\_001560795.1 BGRA|VDB90431.1 CFRU|XP\_031885662.1 CGLO|KAF3810109.1 CHIG|XP\_018157861.1 CVIN|KAF4910253.1 CVYL|A02702 FGRM|XP\_011319967.1 MGRA|XP\_003854580.1 MLAR|XP\_007416014.1 MORY|QBZ62184.1 NCRA|XP\_960147.1 SSCL|APA08038.1

>Orthogroup3520: ANID|CBF89423.1 BCIN|XP\_001545158.2 BGRA|VDB94795.1 CFRU|XP\_031891030.1 CGLO|KAF3801602.1 CHIG|XP\_018151361.1 CVIN|KAF4922686.1 CVYL|A12534 FGRM|XP\_011320357.1 MGRA|XP\_003854502.1 MLAR|XP\_007415660.1 MORY|QBZ59069.1 NCRA|XP\_960432.1 SSCL|APA08004.1

>Orthogroup3521: ANID|CBF89435.1 BCIN|XP\_024548416.1 BGRA|VDB88739.1 CFRU|XP\_031877928.1 CGLO|KAF3810951.1 CHIG|XP\_018154903.1 CVIN|KAF4928525.1 CVYL|A02197 FGRM|XP\_011324635.1 MGRA|XP\_003856607.1 MLAR|XP\_007418172.1 MORY|QBZ60922.1 NCRA|XP\_011393644.1 SSCL|APA12284.1

>Orthogroup3522: ANID|CBF89438.1 BCIN|XP\_001560753.2 BGRA|VDB90375.1 CFRU|XP\_031885670.1 CGLO|KAF3810240.1 CHIG|XP\_018157876.1 CVIN|KAF4910805.1 CVYL|A02840 FGRM|XP\_011325088.1 MGRA|XP\_003851062.1 MLAR|XP\_007411243.1 MORY|QBZ62663.1 NCRA|XP\_957662.2 SSCL|APA08010.1

>Orthogroup3523: ANID|CBF89461.1 BCIN|XP\_001555450.1 BGRA|VDB90777.1 CFRU|XP\_031883293.1 CGLO|KAF3801693.1 CHIG|XP\_018159218.1 CVIN|KAF4915647.1 CVYL|A13004 FGRM|XP\_011320285.1 MGRA|XP\_003854520.1 MLAR|XP\_007411467.1 MORY|QBZ55463.1 NCRA|XP\_960229.1 SSCL|APA08169.1

>Orthogroup3524: ANID|CBF89467.1 BCIN|XP\_001546179.1 BGRA|VCU39627.1 CFRU|XP\_031883251.1 CGLO|KAF3800538.1 CHIG|XP\_018152145.1 CVIN|KAF4923823.1 CVYL|A13177 FGRM|XP\_011316346.1 MGRA|XP\_003857287.1 MLAR|XP\_007404913.1 MORY|QBZ54398.1 NCRA|XP\_957202.1 SSCL|APA16292.1

>Orthogroup3525: ANID|CBF89470.1 BCIN|XP\_024553080.1 BGRA|VCU39623.1 CFRU|XP\_031883255.1 CGLO|KAF3800541.1 CHIG|XP\_018152142.1 CVIN|KAF4923795.1 CVYL|A13175 FGRM|XP\_011316565.1 MGRA|XP\_003856171.1 MLAR|XP\_007414800.1 MORY|QBZ54392.1 NCRA|XP\_957199.1 SSCL|APA16294.1

>Orthogroup3526: ANID|CBF89472.1 BCIN|XP\_024553081.1 BGRA|VCU39670.1 CFRU|XP\_031885433.1 CGLO|KAF3799529.1 CHIG|XP\_018154518.1 CVIN|KAF4931773.1 CVYL|A13389 FGRM|XP\_011324922.1 MGRA|XP\_003856172.1 MLAR|XP\_007404899.1 MORY|QBZ62064.1 NCRA|XP\_011393586.1 SSCL|APA16295.1

>Orthogroup3527: ANID|CBF89487.1 BCIN|XP\_001548121.1 BGRA|VDB93264.1 CFRU|XP\_031890211.1 CGLO|KAF3802909.1 CHIG|XP\_018158513.1 CVIN|KAF4907423.1 CVYL|A05104 FGRM|XP\_011316421.1 MGRA|XP\_003853499.1 MLAR|XP\_007417054.1 MORY|QBZ55400.1 NCRA|XP\_964814.2 SSCL|APA09548.1

>Orthogroup3528: ANID|CBF89493.1 BCIN|XP\_024548635.1 BGRA|VDB84020.1 CFRU|XP\_031890387.1 CGLO|KAF3806720.1 CHIG|XP\_018158696.1 CVIN|KAF4919499.1 CVYL|A14028 FGRM|XP\_011317325.1 MLAR|XP\_007407398.1 MLAR|XP\_007415007.1 MORY|QBZ60450.1 NCRA|XP\_011393205.1 SSCL|APA09863.1

>Orthogroup3529: ANID|CBF89498.1 BCIN|XP\_024548646.1 CFRU|XP\_031890447.1 CGLO|KAF3805291.1 CHIG|XP\_018158610.1 CVIN|KAF4926022.1 CVYL|A13942 FGRM|XP\_011316449.1 FGRM|XP\_011319632.1 MGRA|XP\_003852902.1 MLAR|XP\_007414786.1 MORY|QBZ56093.1 NCRA|XP\_011393093.1 SSCL|APA09949.1

>Orthogroup3530: ANID|CBF89502.1 BCIN|XP\_001548118.1 BGRA|VDB93262.1 CFRU|XP\_031890208.1 CGLO|KAF3802907.1 CHIG|XP\_018158511.1 CVIN|KAF4907422.1 CVYL|A05106 FGRM|XP\_011316423.1 MGRA|XP\_003856126.1 MLAR|XP\_007414921.1 MORY|QBZ63205.1 NCRA|XP\_011392858.1 SSCL|APA09550.1

>Orthogroup3531: ANID|CBF89509.1 BCIN|XP\_001549061.1 BGRA|VDB84085.1 CFRU|XP\_031890579.1 CGLO|KAF3806728.1 CHIG|XP\_018158704.1 CVIN|KAF4919494.1 CVYL|A14038 FGRM|XP\_011317336.1 MGRA|XP\_003855985.1 MLAR|XP\_007416596.1 MORY|QBZ60457.1 NCRA|XP\_963929.1 SSCL|APA09864.1

>Orthogroup3532: ANID|CBF89511.1 BCIN|XP\_024548636.1 BGRA|VDB84084.1 CFRU|XP\_031890582.1 CGLO|KAF3806729.1 CHIG|XP\_018158706.1 CVIN|KAF4919493.1 CVYL|A14039 FGRM|XP\_011317337.1 MGRA|XP\_003854544.1 MLAR|XP\_007415302.1 MORY|QBZ60458.1 NCRA|XP\_011393202.1 SSCL|APA09865.1

>Orthogroup3533: ANID|CBF89513.1 BCIN|XP\_024548630.1 BGRA|VDB84024.1 CFRU|XP\_031890391.1 CGLO|KAF3806724.1 CHIG|XP\_018158700.1 CVIN|KAF4919478.1 CVYL|A14032 FGRM|XP\_011317331.1 MGRA|XP\_003854555.1 MLAR|XP\_007417753.1 MORY|QBZ60454.1 NCRA|XP\_963932.2 SSCL|APA09859.1

>Orthogroup3534: ANID|CBF89518.1 BCIN|XP\_024548806.1 BGRA|VCU40329.1 CFRU|XP\_031890036.1 CGLO|KAF3798887.1 CHIG|XP\_018158556.1 CVIN|KAF4925579.1 CVYL|A05066 FGRM|XP\_011316615.1 MGRA|XP\_003852904.1 MLAR|XP\_007418050.1 MORY|QBZ55965.1 NCRA|XP\_965015.2 SSCL|APA09642.1

>Orthogroup3535: ANID|CBF89523.1 BCIN|XP\_024548819.1 BGRA|VCU39790.1 CFRU|XP\_031890606.1 CGLO|KAF3805263.1 CHIG|XP\_018158812.1 CVIN|KAF4918688.1 FGRM|XP\_011317298.1 MGRA|XP\_003853515.1 MLAR|XP\_007410524.1 MLAR|XP\_007415220.1 MORY|QBZ60364.1 NCRA|XP\_965272.1 SSCL|APA09624.1

>Orthogroup3536: ANID|CBF89544.1 BCIN|XP\_024551377.1 BGRA|VCU41061.1 CFRU|XP\_031886606.1 CGLO|KAF3802651.1 CHIG|XP\_018162512.1 CVIN|KAF4932012.1 CVYL|A07144 FGRM|XP\_011326965.1 MGRA|XP\_003857454.1 MLAR|XP\_007406209.1 MORY|QBZ55681.1 NCRA|XP\_011393735.1 SSCL|APA10603.1

>Orthogroup3537: ANID|CBF89596.1 BCIN|XP\_024546095.1 BGRA|VDB92886.1 CFRU|XP\_031879878.1 CGLO|KAF3798944.1 CHIG|XP\_018152870.1 CVIN|KAF4889612.1 CVYL|A07860 FGRM|XP\_011324367.1 MGRA|XP\_003851095.1 MLAR|XP\_007410300.1 MORY|QBZ53358.1 NCRA|XP\_959526.2 SSCL|APA06615.1

>Orthogroup3538: ANID|CBF89598.1 BCIN|XP\_024546670.1 BGRA|VDB92417.1 CFRU|XP\_031888543.1 CGLO|KAF3803555.1 CHIG|XP\_018164140.1 CVIN|KAF4922282.1 CVYL|A14487 FGRM|XP\_011316153.1 MGRA|XP\_003850555.1 MLAR|XP\_007417908.1 MORY|QBZ63825.1 NCRA|XP\_963759.1 SSCL|APA06508.1

>Orthogroup3539: ANID|CBF89621.1 BCIN|XP\_001556472.1 BGRA|VDB92960.1 CFRU|XP\_031884315.1 CGLO|KAF3799936.1 CHIG|XP\_018153067.1 CVIN|KAF4907000.1 CVYL|A14184 FGRM|XP\_011323511.1 MGRA|XP\_003851191.1 MLAR|XP\_007414642.1 MORY|QBZ64027.1 NCRA|XP\_964390.1 SSCL|APA06541.1

>Orthogroup3540: ANID|CBF89638.1 BCIN|XP\_024546101.1 BGRA|VDB92941.1 CFRU|XP\_031890494.1 CGLO|KAF3804910.1 CHIG|XP\_018164353.1 CVIN|KAF4909780.1 CVYL|A12148 FGRM|XP\_011317154.1 MGRA|XP\_003850574.1 MLAR|XP\_007405158.1 MORY|QBZ56447.1 NCRA|XP\_964270.2 SSCL|APA06620.1

>Orthogroup3541: ANID|CBF89641.1 BCIN|XP\_001548355.1 BGRA|VDB92587.1 CFRU|XP\_031877051.1 CGLO|KAF3805200.1 CHIG|XP\_018152951.1 CVIN|KAF4909095.1 CVYL|A07956 FGRM|XP\_011324274.1 MGRA|XP\_003851252.1 MLAR|XP\_007407527.1 MORY|QBZ64163.1 NCRA|XP\_964950.1 SSCL|APA06951.1

>Orthogroup3542: ANID|CBF89643.1 BCIN|XP\_024546094.1 BGRA|VDB92889.1 CFRU|XP\_031879888.1 CGLO|KAF3798950.1 CHIG|XP\_018152864.1 CVIN|KAF4923499.1 CVYL|A07866 FGRM|XP\_011324363.1 MGRA|XP\_003851176.1 MLAR|XP\_007407822.1 MORY|QBZ53369.1 NCRA|XP\_959522.1 SSCL|APA06612.1

>Orthogroup3543: ANID|CBF89661.1 BCIN|XP\_024546573.1 BGRA|VDB92421.1 CFRU|XP\_031877036.1 CGLO|KAF3811110.1 CHIG|XP\_018152939.1 CVIN|KAF4911067.1 CVYL|A07974 FGRM|XP\_011328006.1 MGRA|XP\_003850633.1 MLAR|XP\_007413683.1 MORY|QBZ64145.1 NCRA|XP\_964945.1 SSCL|APA06497.1

>Orthogroup3544: ANID|CBF89672.1 BCIN|XP\_024549905.1 CFRU|XP\_031883439.1 CGLO|KAF3800602.1 CHIG|XP\_018152077.1 CVIN|KAF4918170.1 CVYL|A13115 FGRM|XP\_011321287.1 FGRM|XP\_011327353.1 MGRA|XP\_003855659.1 MLAR|XP\_007407338.1 MORY|QBZ62101.1 NCRA|XP\_956972.2 SSCL|APA05589.1

>Orthogroup3545: ANID|CBF89674.1 BCIN|XP\_024546065.1 BGRA|VCU39094.1 CFRU|XP\_031888117.1 CGLO|KAF3802301.1 CHIG|XP\_018154403.1 CVIN|KAF4924422.1 CVYL|A10685 FGRM|XP\_011319764.1 MGRA|XP\_003847813.1 MLAR|XP\_007405963.1 MORY|QBZ65728.1 NCRA|XP\_965547.1 SSCL|APA07245.1

>Orthogroup3546: ANID|CBF89710.1 BCIN|XP\_024549903.1 BGRA|VDB93951.1 CFRU|XP\_031885368.1 CGLO|KAF3799551.1 CHIG|XP\_018154543.1 CVIN|KAF4931752.1 CVYL|A13411 FGRM|XP\_011324903.1 MGRA|XP\_003850449.1 MLAR|XP\_007406825.1 MORY|QBZ61055.1 NCRA|XP\_963330.1 SSCL|APA05582.1

>Orthogroup3547: ANID|CBF89718.1 BCIN|XP\_024547824.1 BGRA|VDB88261.1 CFRU|XP\_031887106.1 CGLO|KAF3811468.1 CHIG|XP\_018160715.1 CVIN|KAF4895033.1 CVYL|A04671 FGRM|XP\_011327254.1 MGRA|XP\_003850289.1 MLAR|XP\_007407471.1 MORY|QBZ54255.1 NCRA|XP\_955842.2 SSCL|APA08131.1

>Orthogroup3548: ANID|CBF89723.1 BCIN|XP\_001557920.1 CFRU|XP\_031879589.1 CFRU|XP\_031879698.1 CGLO|KAF3798222.1 CGLO|KAF3802778.1 CHIG|XP\_018151906.1 CVIN|KAF4912217.1 CVIN|KAF4916822.1 CVYL|A04899 CVYL|A07991 FGRM|XP\_011317674.1 MGRA|XP\_003854651.1 SSCL|APA12733.1

>Orthogroup3549: ANID|CBF89731.1 BCIN|XP\_024553272.1 BGRA|VDB93969.1 CFRU|XP\_031883305.1 CGLO|KAF3800593.1 CHIG|XP\_018152085.1 CVIN|KAF4927052.1 CVYL|A13122 FGRM|XP\_011321296.1 MGRA|XP\_003848919.1 MLAR|XP\_007412722.1 MORY|QBZ61045.1 NCRA|XP\_963256.2 SSCL|APA13565.1

>Orthogroup3550: ANID|CBF89733.1 BCIN|XP\_024546988.1 BGRA|VDB93929.1 CFRU|XP\_031881887.1 CGLO|KAF3800646.1 CHIG|XP\_018152034.1 CHIG|XP\_018152035.1 CVIN|KAF4922009.1 CVYL|A13070 FGRM|XP\_011317229.1 MGRA|XP\_003855202.1 MORY|QBZ57308.1 NCRA|XP\_011393481.1 SSCL|APA05948.1

>Orthogroup3551: ANID|CBF89744.1 BCIN|XP\_001546951.1 BCIN|XP\_001553071.2 CFRU|XP\_031891926.1 CGLO|KAF3801382.1 CHIG|XP\_018164772.1 CVIN|KAF4907809.1 CVYL|A07700 FGRM|XP\_011317837.1 MGRA|XP\_003854984.1 MORY|QBZ63636.1 NCRA|XP\_960346.1 SSCL|APA11254.1 SSCL|APA12547.1

>Orthogroup3552: ANID|CBF89780.1 BCIN|XP\_001559975.1 BGRA|VDB84040.1 CFRU|XP\_031890279.1 CGLO|KAF3798892.1 CHIG|XP\_018158563.1 CVIN|KAF4925548.1 CVYL|A05061 FGRM|XP\_011316610.1 MGRA|XP\_003852631.1 MLAR|XP\_007414446.1 MORY|QBZ55991.1 NCRA|XP\_965684.1 SSCL|APA09788.1

>Orthogroup3553: ANID|CBF89782.1 BCIN|XP\_024546318.1 BGRA|VDB90693.1 CFRU|XP\_031888449.1 CGLO|KAF3803479.1 CHIG|XP\_018164010.1 CVIN|KAF4926322.1 CVYL|A14408 FGRM|XP\_011316990.1 MGRA|XP\_003852268.1 MLAR|XP\_007405633.1 MORY|QBZ55344.1 NCRA|XP\_011392999.1 SSCL|APA06903.1

>Orthogroup3554: ANID|CBF89788.1 BCIN|XP\_024551172.1 BGRA|VCU39774.1 CFRU|XP\_031893425.1 CGLO|KAF3808369.1 CHIG|XP\_018152431.1 CVIN|KAF4916836.1 CVYL|A09528 FGRM|XP\_011317878.1 MGRA|XP\_003848508.1 MLAR|XP\_007411453.1 MORY|QBZ54054.1 NCRA|XP\_961292.3 SSCL|APA10185.1

>Orthogroup3555: ANID|CBF89791.1 BCIN|XP\_024549873.1 BGRA|VDB90936.1 CFRU|XP\_031888421.1 CGLO|KAF3803649.1 CHIG|XP\_018163812.1 CVIN|KAF4928517.1 CVYL|A14582 FGRM|XP\_011317001.1 MGRA|XP\_003853192.1 MLAR|XP\_007419090.1 MORY|QBZ54666.1 NCRA|XP\_963750.2 SSCL|APA05546.1

>Orthogroup3556: ANID|CBF89801.1 BCIN|XP\_001556929.1 BGRA|VDB89154.1 CFRU|XP\_031886565.1 CGLO|KAF3804073.1 CHIG|XP\_018162692.1 CVIN|KAF4919537.1 CVYL|A07036 FGRM|XP\_011326940.1 MGRA|XP\_003857205.1 MLAR|XP\_007412490.1 MORY|QBZ55656.1 NCRA|XP\_956377.2 SSCL|APA10541.1

>Orthogroup3557: ANID|CBF89820.1 BCIN|XP\_001559021.1 BGRA|VDB90652.1 CFRU|XP\_031890646.1 CGLO|KAF3804856.1 CHIG|XP\_018164413.1 CVIN|KAF4921144.1 CVYL|A12217 FGRM|XP\_011316822.1 MGRA|XP\_003852312.1 MLAR|XP\_007417612.1 MORY|QBZ63629.1 NCRA|XP\_965337.1 SSCL|APA09248.1

>Orthogroup3558: ANID|CBF89833.1 BCIN|XP\_001545720.2 CFRU|XP\_031887037.1 CGLO|KAF3811443.1 CHIG|XP\_018160686.1 CVIN|KAF4917875.1 CVYL|A04644 FGRM|XP\_011326836.1 MGRA|XP\_003849299.1 MGRA|XP\_003853481.1 MLAR|XP\_007412597.1 MORY|QBZ57143.1 NCRA|XP\_960653.2 SSCL|APA11320.1

>Orthogroup3559: ANID|CBF89848.1 BCIN|XP\_001557017.2 BGRA|VCU39510.1 CFRU|XP\_031878416.1 CGLO|KAF3810763.1 CHIG|XP\_018162560.1 CVIN|KAF4932083.1 CVYL|A07191 FGRM|XP\_011326312.1 MGRA|XP\_003857375.1 MLAR|XP\_007404254.1 MORY|QBZ59704.1 NCRA|XP\_956395.3 SSCL|APA10252.1

>Orthogroup3560: ANID|CBF89864.1 BCIN|XP\_001559945.1 BGRA|VDB93277.1 CFRU|XP\_031886650.1 CGLO|KAF3807476.1 CHIG|XP\_018158761.1 CVIN|KAF4907601.1 CVYL|A04999 FGRM|XP\_011328621.1 MGRA|XP\_003852493.1 MLAR|XP\_007403623.1 MORY|QBZ60418.1 NCRA|XP\_965316.1 SSCL|APA09771.1

>Orthogroup3561: ANID|CBF89871.1 BCIN|XP\_024549039.1 BGRA|VDB89691.1 CFRU|XP\_031884442.1 CGLO|KAF3799074.1 CHIG|XP\_018158184.1 CVIN|KAF4918248.1 CVYL|A11455 FGRM|XP\_011328384.1 MGRA|XP\_003853124.1 MLAR|XP\_007412732.1 MORY|QBZ54110.1 NCRA|XP\_964357.2 SSCL|APA09268.1

>Orthogroup3562: ANID|CBF89873.1 BCIN|XP\_001554103.1 BGRA|VDB90935.1 CFRU|XP\_031888420.1 CGLO|KAF3803647.1 CHIG|XP\_018163811.1 CVIN|KAF4913940.1 CVYL|A14581 FGRM|XP\_011317002.1 MGRA|XP\_003852185.1 MLAR|XP\_007416693.1 MORY|QBZ54665.1 NCRA|XP\_963919.1 SSCL|APA05547.1

>Orthogroup3563: ANID|CBF89874.1 BCIN|XP\_001554094.1 BGRA|VDB90940.1 CFRU|XP\_031888388.1 CGLO|KAF3803631.1 CHIG|XP\_018163828.1 CVIN|KAF4913956.1 CVYL|A14566 FGRM|XP\_011326532.1 MGRA|XP\_003852512.1 MLAR|XP\_007409406.1 MORY|QBZ54686.1 NCRA|XP\_011393241.1 SSCL|APA05554.1

>Orthogroup3564: ANID|CBF89876.1 BCIN|XP\_001554096.1 BGRA|VDB90939.1 CFRU|XP\_031888381.1 CGLO|KAF3803630.1 CHIG|XP\_018163829.1 CVIN|KAF4913960.1 CVYL|A14565 FGRM|XP\_011326533.1 MGRA|XP\_003852292.1 MLAR|XP\_007409568.1 MORY|QBZ54685.1 NCRA|XP\_958891.1 SSCL|APA05553.1

>Orthogroup3565: ANID|CBF89895.1 BCIN|XP\_024547667.1 BGRA|VDB85799.1 CFRU|XP\_031880393.1 CGLO|KAF3807265.1 CHIG|XP\_018156938.1 CVIN|KAF4928129.1 CVYL|A10747 FGRM|XP\_011320010.1 MGRA|XP\_003854579.1 MLAR|XP\_007417056.1 MORY|QBZ66171.1 NCRA|XP\_964292.1 SSCL|APA07732.1

>Orthogroup3566: ANID|CBF89912.1 BCIN|XP\_001549976.1 BGRA|VDB92885.1 CFRU|XP\_031879884.1 CGLO|KAF3798939.1 CHIG|XP\_018152865.1 CVIN|KAF4898131.1 CVYL|A07856 FGRM|XP\_011324364.1 MGRA|XP\_003851122.1 MLAR|XP\_007403848.1 MORY|QBZ53382.1 NCRA|XP\_959521.1 SSCL|APA06614.1

>Orthogroup3567: ANID|CBF89933.1 BCIN|XP\_001555013.1 BGRA|VDB86146.1 CFRU|XP\_031882308.1 CGLO|KAF3804414.1 CHIG|XP\_018160228.1 CVIN|KAF4930958.1 CVYL|A04114 FGRM|XP\_011328785.1 MGRA|XP\_003850299.1 MLAR|XP\_007412128.1 MORY|QBZ59150.1 NCRA|XP\_960635.1 SSCL|APA07785.1

>Orthogroup3568: ANID|CBF89978.1 BCIN|XP\_001558171.2 BGRA|VCU39496.1 CFRU|XP\_031877497.1 CGLO|KAF3798435.1 CHIG|XP\_018161253.1 CVIN|KAF4920003.1 CVYL|A11202 FGRM|XP\_011321441.1 MGRA|XP\_003849765.1 MLAR|XP\_007409021.1 MORY|QBZ56760.1 NCRA|XP\_961962.2 SSCL|APA13142.1

>Orthogroup3569: ANID|CBF89980.1 BCIN|XP\_001558170.1 BGRA|VCU39489.1 CFRU|XP\_031887640.1 CGLO|KAF3803266.1 CHIG|XP\_018161132.1 CVIN|KAF4928698.1 CVYL|A03701 FGRM|XP\_011327954.1 MGRA|XP\_003849352.1 MLAR|XP\_007404585.1 MORY|QBZ58360.1 NCRA|XP\_961777.1 SSCL|APA13141.1

>Orthogroup3570: ANID|CBF89982.1 BCIN|XP\_024552200.1 BGRA|VDB92768.1 CFRU|XP\_031887759.1 CGLO|KAF3803275.1 CHIG|XP\_018161120.1 CVIN|KAF4928636.1 CVYL|A03710 FGRM|XP\_011321436.1 MGRA|XP\_003849360.1 MLAR|XP\_007411116.1 MORY|QBZ56751.1 NCRA|XP\_001728327.1 SSCL|APA12889.1

>Orthogroup3571: ANID|CBF89987.1 BCIN|XP\_001550324.1 BGRA|VDB83913.1 CFRU|XP\_031878674.1 CGLO|KAF3797557.1 CHIG|XP\_018151109.1 CVIN|KAF4923595.1 CVYL|A08990 FGRM|XP\_011320435.1 FGRM|XP\_011323488.1 MGRA|XP\_003849747.1 MORY|QBZ64066.1 NCRA|XP\_962573.1 SSCL|APA12812.1

>Orthogroup3572: ANID|CBF89989.1 BCIN|XP\_001558140.1 BGRA|VCU39207.1 CFRU|XP\_031876694.1 CGLO|KAF3798699.1 CHIG|XP\_018157455.1 CVIN|KAF4918501.1 CVYL|A09436 FGRM|XP\_011321347.1 MGRA|XP\_003849427.1 MLAR|XP\_007416012.1 MORY|QBZ57156.1 NCRA|XP\_962698.1 SSCL|APA12983.1

>Orthogroup3573: ANID|CBF90007.1 BCIN|XP\_024552148.1 BGRA|VCU39204.1 CFRU|XP\_031876703.1 CGLO|KAF3798703.1 CHIG|XP\_018157451.1 CVIN|KAF4918487.1 FGRM|XP\_011321343.1 MGRA|XP\_003849448.1 MLAR|XP\_007403885.1 MLAR|XP\_007406986.1 MORY|QBZ57160.1 NCRA|XP\_962702.1 SSCL|APA12985.1

>Orthogroup3574: ANID|CBF90009.1 BCIN|XP\_001558034.2 BGRA|VDB92766.1 CFRU|XP\_031877500.1 CGLO|KAF3798437.1 CHIG|XP\_018161255.1 CVIN|KAF4920006.1 CVYL|A11200 FGRM|XP\_011321443.1 MGRA|XP\_003851258.1 MLAR|XP\_007410571.1 MORY|QBZ56758.1 NCRA|XP\_961961.1 SSCL|APA12877.1

>Orthogroup3575: ANID|CBF90045.1 BCIN|XP\_024548403.1 CFRU|XP\_031882692.1 CGLO|KAF3800496.1 CHIG|XP\_018152197.1 CVIN|KAF4919248.1 CVYL|A13218 FGRM|XP\_011321317.1 FGRM|XP\_011327589.1 MLAR|XP\_007418006.1 MLAR|XP\_007418021.1 MORY|QBZ61090.1 NCRA|XP\_956282.2 SSCL|APA12298.1

>Orthogroup3576: ANID|CBF90056.1 BCIN|XP\_024552088.1 BGRA|VDB89540.1 CFRU|XP\_031887700.1 CGLO|KAF3803222.1 CHIG|XP\_018161074.1 CVIN|KAF4928715.1 CVYL|A03653 FGRM|XP\_011324212.1 MGRA|XP\_003849515.1 MLAR|XP\_007414580.1 MORY|QBZ58801.1 NCRA|XP\_956325.1 SSCL|APA12876.1

>Orthogroup3577: ANID|CBF90063.1 BCIN|XP\_024552233.1 BGRA|VDB92777.1 CFRU|XP\_031876569.1 CGLO|KAF3800894.1 CHIG|XP\_018150788.1 CVIN|KAF4911866.1 CVYL|A11136 FGRM|XP\_011323793.1 MGRA|XP\_003849743.1 MLAR|XP\_007412593.1 MORY|QBZ56526.1 NCRA|XP\_962268.2 SSCL|APA13016.1

>Orthogroup3578: ANID|CBF90065.1 BCIN|XP\_024552232.1 BGRA|VDB92776.1 CFRU|XP\_031876600.1 CGLO|KAF3800893.1 CHIG|XP\_018150789.1 CHIG|XP\_018152591.1 CVIN|KAF4911869.1 CVYL|A11135 FGRM|XP\_011323794.1 MLAR|XP\_007412705.1 MORY|QBZ56525.1 NCRA|XP\_962267.2 SSCL|APA13015.1

>Orthogroup3579: ANID|CBF90085.1 BCIN|XP\_001555228.1 BGRA|VDB88130.1 CFRU|XP\_031885921.1 CGLO|KAF3805532.1 CHIG|XP\_018155366.1 CVIN|KAF4918287.1 CVYL|A05655 FGRM|XP\_011317448.1 MGRA|XP\_003849446.1 MLAR|XP\_007406407.1 MORY|QBZ58992.1 NCRA|XP\_963590.1 SSCL|APA15621.1

>Orthogroup3580: ANID|CBF90114.1 BCIN|XP\_001555223.2 BGRA|VDB88118.1 CFRU|XP\_031878009.1 CGLO|KAF3799594.1 CHIG|XP\_018154589.1 CVIN|KAF4926455.1 CVYL|A13455 FGRM|XP\_011321224.1 MGRA|XP\_003849669.1 MLAR|XP\_007407368.1 MORY|QBZ54424.1 NCRA|XP\_956475.1 SSCL|APA15626.1

>Orthogroup3581: ANID|CBF90118.1 BCIN|XP\_001554754.1 BGRA|VDB89743.1 CFRU|XP\_031878002.1 CGLO|KAF3799599.1 CHIG|XP\_018154594.1 CVIN|KAF4926500.1 CVYL|A13460 FGRM|XP\_011316341.1 MGRA|XP\_003849772.1 MLAR|XP\_007404608.1 MORY|QBZ54403.1 NCRA|XP\_956478.1 SSCL|APA15486.1

>Orthogroup3582: ANID|CBF90121.1 BCIN|XP\_001554752.1 BGRA|VDB87890.1 CFRU|XP\_031885331.1 CGLO|KAF3799473.1 CHIG|XP\_018154458.1 CVIN|KAF4931792.1 CVYL|A13335 FGRM|XP\_011325533.1 MGRA|XP\_003849593.1 MLAR|XP\_007410316.1 MORY|QBZ64882.1 NCRA|XP\_957179.2 SSCL|APA15488.1

>Orthogroup3583: ANID|CBF90125.1 BCIN|XP\_001554750.1 BGRA|VDB87878.1 CFRU|XP\_031885333.1 CGLO|KAF3799471.1 CHIG|XP\_018154456.1 CVIN|KAF4931888.1 CVYL|A13333 FGRM|XP\_011325527.1 MGRA|XP\_003849527.1 MLAR|XP\_007415046.1 MORY|QBZ64884.1 NCRA|XP\_956217.1 SSCL|APA15490.1

>Orthogroup3584: ANID|CBF90132.1 BCIN|XP\_024552542.1 BGRA|VDB87670.1 CFRU|XP\_031879416.1 CGLO|KAF3802419.1 CHIG|XP\_018154717.1 CVIN|KAF4918213.1 CVYL|A13562 FGRM|XP\_011325649.1 MGRA|XP\_003849378.1 MLAR|XP\_007410299.1 MORY|QBZ64865.1 NCRA|XP\_011393469.1 SSCL|APA08638.1

>Orthogroup3585: ANID|CBF90137.1 BCIN|XP\_001556350.1 BGRA|VDB88252.1 CFRU|XP\_031879511.1 CGLO|KAF3802392.1 CHIG|XP\_018154684.1 CVIN|KAF4922184.1 CVYL|A13535 FGRM|XP\_011317272.1 MGRA|XP\_003849763.1 MLAR|XP\_007405107.1 MORY|QBZ64807.1 NCRA|XP\_955761.1 SSCL|APA08726.1

>Orthogroup3586: ANID|CBF90143.1 BCIN|XP\_001548678.2 BGRA|VDB88069.1 CFRU|XP\_031883269.1 CGLO|KAF3800505.1 CHIG|XP\_018152211.1 CVIN|KAF4919226.1 CVYL|A13209 FGRM|XP\_011321318.1 MGRA|XP\_003849744.1 MLAR|XP\_007405241.1 MORY|QBZ61099.1 NCRA|XP\_011393570.1 SSCL|APA15606.1

>Orthogroup3587: ANID|CBF90145.1 BCIN|XP\_024552638.1 BGRA|VDB88070.1 CFRU|XP\_031883326.1 CGLO|KAF3800506.1 CHIG|XP\_018152212.1 CVIN|KAF4919225.1 CVYL|A13208 FGRM|XP\_011321319.1 MGRA|XP\_003849370.1 MLAR|XP\_007416894.1 MORY|QBZ61100.1 NCRA|XP\_956727.2 SSCL|APA15605.1

>Orthogroup3588: ANID|CBF90150.1 BCIN|XP\_001558190.1 BGRA|VDB89683.1 CFRU|XP\_031878634.1 CGLO|KAF3798526.1 CHIG|XP\_018161204.1 CVIN|KAF4919297.1 CVYL|A03799 FGRM|XP\_011327907.1 MGRA|XP\_003849618.1 MLAR|XP\_007415933.1 MORY|QBZ57203.1 NCRA|XP\_961971.2 SSCL|APA13087.1

>Orthogroup3589: ANID|CBF90159.1 BCIN|XP\_024552372.1 BGRA|VCU39153.1 CFRU|XP\_031885298.1 CGLO|KAF3806498.1 CHIG|XP\_018157534.1 CVIN|KAF4886795.1 CVYL|A09371 FGRM|XP\_011327888.1 MGRA|XP\_003849498.1 MLAR|XP\_007418245.1 MORY|QBZ56357.1 NCRA|XP\_961896.1 SSCL|APA13216.1

>Orthogroup3590: ANID|CBF90161.1 BCIN|XP\_024552373.1 BGRA|VCU39149.1 CFRU|XP\_031885297.1 CGLO|KAF3806497.1 CHIG|XP\_018157533.1 CVIN|KAF4919439.1 CVYL|A09372 FGRM|XP\_011328775.1 MGRA|XP\_003849619.1 MLAR|XP\_007417933.1 MORY|QBZ56358.1 NCRA|XP\_961898.1 SSCL|APA13215.1

>Orthogroup3591: ANID|CBF90171.1 BCIN|XP\_001548672.1 BGRA|VDB88040.1 CFRU|XP\_031881862.1 CGLO|KAF3800677.1 CHIG|XP\_018152005.1 CVIN|KAF4922057.1 CVYL|A13039 FGRM|XP\_011321258.1 MGRA|XP\_003849610.1 MLAR|XP\_007413762.1 MORY|QBZ62130.1 NCRA|XP\_956205.1 SSCL|APA15601.1

>Orthogroup3592: ANID|CBF90181.1 BCIN|XP\_024552295.1 BGRA|VCU39225.1 CFRU|XP\_031893296.1 CGLO|KAF3799102.1 CHIG|XP\_018157445.1 CVIN|KAF4908268.1 CVYL|A09446 FGRM|XP\_011321332.1 MGRA|XP\_003849430.1 MLAR|XP\_007414107.1 MORY|QBZ57167.1 NCRA|XP\_962705.3 SSCL|APA13072.1

>Orthogroup3593: ANID|CBF90188.1 BCIN|XP\_001553918.1 BGRA|VCU39298.1 BGRA|VCU39299.1 CFRU|XP\_031893249.1 CHIG|XP\_018150881.1 CVIN|KAF4922495.1 CVYL|A08721 FGRM|XP\_011328048.1 MGRA|XP\_003849507.1 MLAR|XP\_007409492.1 MORY|QBZ64184.1 NCRA|XP\_962251.1 SSCL|APA13128.1

>Orthogroup3594: ANID|CBF90192.1 BCIN|XP\_024552271.1 BGRA|VCU39302.1 CFRU|XP\_031893027.1 CGLO|KAF3800833.1 CHIG|XP\_018150871.1 CVIN|KAF4922458.1 CVYL|A08716 FGRM|XP\_011328053.1 MGRA|XP\_003849603.1 MLAR|XP\_007407396.1 MORY|QBZ56825.1 NCRA|XP\_962259.1 SSCL|APA13132.1

>Orthogroup3595: ANID|CBF90222.1 BCIN|XP\_001554031.1 BGRA|VDB94567.1 CFRU|XP\_031886941.1 CGLO|KAF3811347.1 CHIG|XP\_018160591.1 CVIN|KAF4921004.1 CVYL|A04529 FGRM|XP\_011323641.1 MGRA|XP\_003854495.1 MLAR|XP\_007415301.1 MORY|QBZ56982.1 NCRA|XP\_961487.1 SSCL|APA11119.1

>Orthogroup3596: ANID|CBF90225.1 BCIN|XP\_001551941.2 BGRA|VDB94779.1 CFRU|XP\_031877178.1 CGLO|KAF3806444.1 CHIG|XP\_018162332.1 CVIN|KAF4918059.1 CVYL|A12041 FGRM|XP\_011323949.1 MGRA|XP\_003855375.1 MLAR|XP\_007411498.1 MORY|QBZ61409.1 NCRA|XP\_962809.1 SSCL|APA10943.1

>Orthogroup3597: ANID|CBF90234.1 BCIN|XP\_001548704.2 BGRA|VDB94947.1 CFRU|XP\_031891178.1 CGLO|KAF3804678.1 CHIG|XP\_018161749.1 CVIN|KAF4902796.1 CVYL|A05205 FGRM|XP\_011321531.1 MGRA|XP\_003855367.1 MLAR|XP\_007409384.1 MORY|QBZ59568.1 NCRA|XP\_956705.3 SSCL|APA10858.1

>Orthogroup3598: ANID|CBF90245.1 BCIN|XP\_024550531.1 BGRA|VDB94611.1 CFRU|XP\_031887039.1 CGLO|KAF3811449.1 CHIG|XP\_018160693.1 CVIN|KAF4917879.1 CVYL|A04650 FGRM|XP\_011327228.1 MGRA|XP\_003854889.1 MLAR|XP\_007404128.1 MORY|QBZ53841.1 NCRA|XP\_960655.1 SSCL|APA11308.1

>Orthogroup3599: ANID|CBF90250.1 BCIN|XP\_024550277.1 BGRA|VDB94743.1 CFRU|XP\_031887099.1 CGLO|KAF3811333.1 CHIG|XP\_018160560.1 CVIN|KAF4927214.1 CVYL|A04515 FGRM|XP\_011326902.1 MGRA|XP\_003849201.1 MLAR|XP\_007414751.1 MORY|QBZ57010.1 NCRA|XP\_961515.1 SSCL|APA10947.1

>Orthogroup3600: ANID|CBF90252.1 BCIN|XP\_024550532.1 BGRA|VDB94591.1 CFRU|XP\_031887042.1 CGLO|KAF3811450.1 CHIG|XP\_018160694.1 CVIN|KAF4917878.1 CVYL|A04651 FGRM|XP\_011327229.1 MGRA|XP\_003853710.1 MLAR|XP\_007413037.1 MORY|QBZ53840.1 NCRA|XP\_960774.1 SSCL|APA11312.1

>Orthogroup3601: ANID|CBF90266.1 BCIN|XP\_001548712.1 BGRA|VDB94836.1 CFRU|XP\_031877202.1 CGLO|KAF3806450.1 CHIG|XP\_018162338.1 CVIN|KAF4918071.1 CVYL|A12048 FGRM|XP\_011323940.1 MGRA|XP\_003849185.1 MLAR|XP\_007412146.1 MORY|QBZ61404.1 NCRA|XP\_962820.1 SSCL|APA10852.1

>Orthogroup3602: ANID|CBF90267.1 BCIN|XP\_024550456.1 BGRA|VDB94911.1 CFRU|XP\_031877187.1 CGLO|KAF3806447.1 CHIG|XP\_018162335.1 CVIN|KAF4918055.1 CVYL|A12045 FGRM|XP\_011323946.1 MGRA|XP\_003855352.1 MLAR|XP\_007405152.1 MORY|QBZ61407.1 NCRA|XP\_962817.1 SSCL|APA11167.1

>Orthogroup3603: ANID|CBF90269.1 BCIN|XP\_024550457.1 BGRA|VDB94910.1 CFRU|XP\_031877186.1 CGLO|KAF3806448.1 CHIG|XP\_018162336.1 CVIN|KAF4918057.1 CVYL|A12046 FGRM|XP\_011323945.1 MGRA|XP\_003855130.1 MLAR|XP\_007412794.1 MORY|QBZ61406.1 NCRA|XP\_962818.1 SSCL|APA11168.1

>Orthogroup3604: ANID|CBF90277.1 BCIN|XP\_024550175.1 BGRA|VDB94833.1 CFRU|XP\_031877184.1 CGLO|KAF3806451.1 CHIG|XP\_018162339.1 CVIN|KAF4897885.1 CVYL|A12049 FGRM|XP\_011323941.1 MGRA|XP\_003855138.1 MLAR|XP\_007417923.1 MORY|QBZ61403.1 NCRA|XP\_962821.2 SSCL|APA10851.1

>Orthogroup3605: ANID|CBF90310.1 BCIN|XP\_024549870.1 BGRA|VDB90947.1 CFRU|XP\_031888591.1 CGLO|KAF3803627.1 CHIG|XP\_018163835.1 CVIN|KAF4913961.1 CVYL|A14560 FGRM|XP\_011326540.1 MGRA|XP\_003853260.1 MLAR|XP\_007413169.1 MORY|QBZ60369.1 NCRA|XP\_959261.2 SSCL|APA05543.1

>Orthogroup3606: ANID|CBF90313.1 BCIN|XP\_001554616.1 BGRA|VDB94769.1 CFRU|XP\_031891440.1 CGLO|KAF3804578.1 CHIG|XP\_018161660.1 CVIN|KAF4923088.1 CVYL|A05299 FGRM|XP\_011318682.1 MGRA|XP\_003855135.1 MLAR|XP\_007418797.1 MORY|QBZ59357.1 NCRA|XP\_958511.2 SSCL|APA11061.1

>Orthogroup3607: ANID|CBF90315.1 BCIN|XP\_024550371.1 BGRA|VDB94768.1 CFRU|XP\_031891441.1 CGLO|KAF3804577.1 CHIG|XP\_018161659.1 CVIN|KAF4923089.1 CVYL|A05300 FGRM|XP\_011318683.1 MGRA|XP\_003855345.1 MLAR|XP\_007405092.1 MORY|QBZ59356.1 NCRA|XP\_958512.3 SSCL|APA11062.1

>Orthogroup3608: ANID|CBF90320.1 BCIN|XP\_024550551.1 BGRA|VDB88022.1 CFRU|XP\_031886325.1 CGLO|KAF3806208.1 CHIG|XP\_018162198.1 CVIN|KAF4931565.1 CVYL|A11795 MGRA|XP\_003849204.1 MGRA|XP\_003849205.1 MLAR|XP\_007411454.1 MORY|QBZ55793.1 NCRA|XP\_957746.1 SSCL|APA11346.1

>Orthogroup3609: ANID|CBF90326.1 BCIN|XP\_024550362.1 BGRA|VDB94597.1 CFRU|XP\_031886306.1 CGLO|KAF3806207.1 CHIG|XP\_018162196.1 CVIN|KAF4931563.1 CVYL|A11793 FGRM|XP\_011324066.1 MGRA|XP\_003854929.1 MLAR|XP\_007408474.1 MORY|QBZ55791.1 NCRA|XP\_957745.3 SSCL|APA11053.1

>Orthogroup3610: ANID|CBF90328.1 BCIN|XP\_024550361.1 BGRA|VDB94599.1 CFRU|XP\_031886324.1 CHIG|XP\_018162197.1 CVIN|KAF4931562.1 CVYL|A11794 FGRM|XP\_011324065.1 MGRA|XP\_003855557.1 MLAR|XP\_007404980.1 MLAR|XP\_007413670.1 MORY|QBZ55792.1 NCRA|XP\_957744.2 SSCL|APA11052.1

>Orthogroup3611: ANID|CBF90361.1 BCIN|XP\_024547422.1 BGRA|VDB92745.1 CFRU|XP\_031882856.1 CFRU|XP\_031891574.1 CGLO|KAF3806655.1 CHIG|XP\_018153874.1 CHIG|XP\_018159766.1 CVIN|KAF4907832.1 CVIN|KAF4918902.1 CVYL|A05370 CVYL|A14197 MGRA|XP\_003851401.1 MORY|QBZ61922.1

>Orthogroup3612: BCIN|XP\_001555586.2 CFRU|XP\_031878086.1 CFRU|XP\_031879009.1 CGLO|KAF3798867.1 CGLO|KAF3801818.1 CHIG|XP\_018159329.1 CVIN|KAF4916986.1 CVIN|KAF4920307.1 CVYL|A09069 CVYL|A12889 FGRM|XP\_011322425.1 MGRA|XP\_003853335.1 MGRA|XP\_003855351.1 SSCL|APA07446.1

>Orthogroup3613: BCIN|XP\_001548548.1 BGRA|VDB89387.1 CFRU|XP\_031885956.1 CGLO|KAF3805518.1 CGLO|KAF3807472.1 CHIG|XP\_018155381.1 CVIN|KAF4918313.1 CVYL|A02570 CVYL|A05641 CVYL|A10982 CVYL|A10983 FGRM|XP\_011317403.1 MORY|QBZ60895.1 NCRA|XP\_963214.2

>Orthogroup3614: BCIN|XP\_001548967.1 BCIN|XP\_001552722.1 BCIN|XP\_024546583.1 BCIN|XP\_024546659.1 BCIN|XP\_024547093.1 BCIN|XP\_024548015.1 BCIN|XP\_024549269.1 BCIN|XP\_024549535.1 BCIN|XP\_024549678.1 BCIN|XP\_024549709.1 BCIN|XP\_024553240.1 SSCL|APA05243.1 SSCL|APA06500.1 SSCL|APA08884.1

>Orthogroup3615: BCIN|XP\_024546218.1 CFRU|XP\_031882453.1 CFRU|XP\_031884805.1 CGLO|KAF3801054.1 CGLO|KAF3809407.1 CHIG|XP\_018153272.1 CHIG|XP\_018156258.1 CVIN|KAF4902328.1 CVIN|KAF4916421.1 CVYL|A00327 FGRM|XP\_011318926.1 FGRM|XP\_011322816.1 MORY|QBZ58478.1 SSCL|APA07007.1

>Orthogroup3616: BCIN|XP\_024546274.1 BGRA|VDB92511.1 CFRU|XP\_031877052.1 CGLO|KAF3805202.1 CHIG|XP\_018152953.1 CVIN|KAF4909094.1 CVYL|A07954 FGRM|XP\_011324276.1 MGRA|XP\_003850619.1 MLAR|XP\_007410011.1 MORY|QBZ64136.1 NCRA|XP\_001728471.2 NCRA|XP\_011394249.1 SSCL|APA06952.1

>Orthogroup3617: BCIN|XP\_001561376.1 BCIN|XP\_024546331.1 BCIN|XP\_024546707.1 BCIN|XP\_024550843.1 CFRU|XP\_031889290.1 CGLO|KAF3808743.1 CVYL|A00918 FGRM|XP\_011317680.1 FGRM|XP\_011327502.1 FGRM|XP\_011327503.1 MGRA|XP\_003856706.1 NCRA|XP\_011395236.1 SSCL|APA06890.1 SSCL|APA11767.1

>Orthogroup3618: BCIN|XP\_001545934.1 BCIN|XP\_001555970.1 BCIN|XP\_001561342.1 BCIN|XP\_024546350.1 CFRU|XP\_031888038.1 CFRU|XP\_031889726.1 CGLO|KAF3802043.1 CGLO|KAF3805936.1 CHIG|XP\_018154171.1 CVIN|KAF4910494.1 CVIN|KAF4911877.1 CVYL|A03345 CVYL|A13776 FGRM|XP\_011322996.1

>Orthogroup3619: BCIN|XP\_024547116.1 BGRA|VDB92975.1 CFRU|XP\_031879662.1 CGLO|KAF3798227.1 CHIG|XP\_018154003.1 CVIN|KAF4916824.1 CVYL|A04895 FGRM|XP\_011325592.1 MLAR|XP\_007405763.1 MLAR|XP\_007410582.1 MLAR|XP\_007410659.1 MORY|QBZ61221.1 NCRA|XP\_011395315.1 SSCL|APA14013.1

>Orthogroup3620: BCIN|XP\_024547241.1 BGRA|VDB93073.1 CFRU|XP\_031877668.1 CGLO|KAF3796984.1 CHIG|XP\_018153702.1 CVIN|KAF4912157.1 CVYL|A00224 FGRM|XP\_011327824.1 MGRA|XP\_003848441.1 MLAR|XP\_007411767.1 MLAR|XP\_007418302.1 MORY|QBZ60539.1 NCRA|XP\_011395181.1 SSCL|APA14185.1

>Orthogroup3621: BCIN|XP\_001547609.1 BGRA|VDB89052.1 CFRU|XP\_031892011.1 CGLO|KAF3805606.1 CHIG|XP\_018164697.1 CVIN|KAF4903406.1 CVYL|A07587 FGRM|XP\_011320754.1 FGRM|XP\_011320857.1 FGRM|XP\_011324674.1 MGRA|XP\_003851799.1 MORY|QBZ62296.1 NCRA|XP\_011395126.1 SSCL|APA14339.1

>Orthogroup3622: BCIN|XP\_001548855.2 BCIN|XP\_024552914.1 CFRU|XP\_031876059.1 CFRU|XP\_031885267.1 CGLO|KAF3801998.1 CHIG|XP\_018159438.1 CVIN|KAF4919760.1 CVYL|A02429 FGRM|XP\_011319157.1 MGRA|XP\_003856093.1 MORY|QBZ62232.1 NCRA|XP\_956345.1 SSCL|APA07529.1 SSCL|APA15977.1

>Orthogroup3623: BCIN|XP\_001554971.1 BGRA|VDB84368.1 CFRU|XP\_031886515.1 CGLO|KAF3806249.1 CHIG|XP\_018162090.1 CVIN|KAF4931538.1 CVYL|A11839 FGRM|XP\_011322735.1 FGRM|XP\_011324006.1 MGRA|XP\_003852374.1 MLAR|XP\_007410965.1 MORY|QBZ61511.1 NCRA|XP\_011393835.1 SSCL|APA07766.1

>Orthogroup3624: BCIN|XP\_024547748.1 BGRA|VDB94797.1 CFRU|XP\_031890825.1 CGLO|KAF3801603.1 CHIG|XP\_018151360.1 CVIN|KAF4922688.1 CVYL|A12533 FGRM|XP\_011320356.1 MGRA|XP\_003854309.1 MLAR|XP\_007404312.1 MLAR|XP\_007413816.1 MORY|QBZ59070.1 NCRA|XP\_011394919.1 SSCL|APA08003.1

>Orthogroup3625: BCIN|XP\_024548285.1 CFRU|XP\_031876456.1 CFRU|XP\_031887810.1 CGLO|KAF3798004.1 CGLO|KAF3802249.1 CHIG|XP\_018156912.1 CHIG|XP\_018158021.1 CHIG|XP\_018163319.1 CVIN|KAF4905638.1 CVIN|KAF4914865.1 CVYL|A03150 CVYL|A08351 MGRA|XP\_003847574.1 MORY|QBZ56151.1

>Orthogroup3626: BCIN|XP\_024548437.1 BGRA|VDB88795.1 CFRU|XP\_031883536.1 CGLO|KAF3810856.1 CHIG|XP\_018154983.1 CVIN|KAF4911102.1 CVYL|A02294 FGRM|XP\_011317521.1 MGRA|XP\_003857149.1 MLAR|XP\_007404121.1 MLAR|XP\_007416468.1 MORY|QBZ62380.1 NCRA|XP\_963213.1 SSCL|APA12264.1

>Orthogroup3627: BCIN|XP\_024548540.1 CFRU|XP\_031879561.1 CFRU|XP\_031879715.1 CFRU|XP\_031883798.1 CGLO|KAF3798576.1 CGLO|KAF3802789.1 CGLO|KAF3805102.1 CHIG|XP\_018156150.1 CVIN|KAF4897314.1 CVYL|A08000 FGRM|XP\_011317556.1 FGRM|XP\_011318281.1 FGRM|XP\_011319658.1 MORY|QBZ65415.1

>Orthogroup3628: BCIN|XP\_001552036.2 BGRA|VCU40034.1 CFRU|XP\_031877769.1 CGLO|KAF3799400.1 CHIG|XP\_018152247.1 CVIN|KAF4931832.1 CVYL|A13265 FGRM|XP\_011324608.1 MGRA|XP\_003851810.1 MLAR|XP\_007405814.1 MLAR|XP\_007407874.1 MORY|QBZ54011.1 NCRA|XP\_956493.1 SSCL|APA10017.1

>Orthogroup3629: BCIN|XP\_001546925.2 BCIN|XP\_001546926.2 BCIN|XP\_001546928.1 BCIN|XP\_001546930.1 BCIN|XP\_001546931.1 BCIN|XP\_001546932.2 BCIN|XP\_001559898.1 BCIN|XP\_024551595.1 SSCL|APA09743.1 SSCL|APA14846.1 SSCL|APA14848.1 SSCL|APA14849.1 SSCL|APA14850.1 SSCL|APA14852.1

>Orthogroup3630: BCIN|XP\_024548990.1 BCIN|XP\_024552030.1 BCIN|XP\_024553016.1 CFRU|XP\_031885512.1 CGLO|KAF3799500.1 CHIG|XP\_018154484.1 CVIN|KAF4931778.1 CVYL|A13360 FGRM|XP\_011321186.1 MGRA|XP\_003857218.1 MORY|QBZ57254.1 NCRA|XP\_956948.3 SSCL|APA09349.1 SSCL|APA16202.1

>Orthogroup3631: BCIN|XP\_024549001.1 CFRU|XP\_031889345.1 CGLO|KAF3803117.1 CHIG|XP\_018153426.1 CVIN|KAF4928286.1 CVYL|A01005 FGRM|XP\_011326088.1 MGRA|XP\_003853595.1 MORY|QBZ53513.1 MORY|QBZ64045.1 MORY|QBZ66605.1 MORY|QBZ66606.1 NCRA|XP\_958956.3 SSCL|APA09325.1

>Orthogroup3632: BCIN|XP\_024549095.1 CFRU|XP\_031882245.1 CFRU|XP\_031887971.1 CGLO|KAF3797604.1 CGLO|KAF3804329.1 CHIG|XP\_018156496.1 CHIG|XP\_018160134.1 CVIN|KAF4899207.1 CVIN|KAF4920146.1 CVYL|A04022 FGRM|XP\_011322306.1 MGRA|XP\_003852413.1 MORY|QBZ57521.1 SSCL|APA15915.1

>Orthogroup3633: BCIN|XP\_001559189.1 BGRA|VCU39147.1 CFRU|XP\_031886178.1 CGLO|KAF3806569.1 CHIG|XP\_018157607.1 CVIN|KAF4920451.1 CVYL|A09299 FGRM|XP\_011317827.1 MGRA|XP\_003852323.1 MGRA|XP\_003853904.1 MLAR|XP\_007415497.1 MORY|QBZ58913.1 NCRA|XP\_962382.1 SSCL|APA15779.1

>Orthogroup3634: BCIN|XP\_024549751.1 CFRU|XP\_031888985.1 CFRU|XP\_031893377.1 CGLO|KAF3799238.1 CGLO|KAF3808044.1 CHIG|XP\_018152747.1 CVIN|KAF4893588.1 CVIN|KAF4922822.1 CVYL|A08187 CVYL|A10131 FGRM|XP\_011322062.1 MGRA|XP\_003854798.1 MORY|QBZ53454.1 SSCL|APA05685.1

>Orthogroup3635: BCIN|XP\_024549970.1 CFRU|XP\_031890181.1 CFRU|XP\_031893279.1 CGLO|KAF3800779.1 CGLO|KAF3800979.1 CGLO|KAF3806606.1 CHIG|XP\_018150863.1 CVIN|KAF4916891.1 CVIN|KAF4922486.1 CVYL|A00432 CVYL|A05926 CVYL|A08771 CVYL|A09260 MORY|QBZ57847.1

>Orthogroup3636: BCIN|XP\_001549593.2 CFRU|XP\_031875700.1 CFRU|XP\_031884852.1 CGLO|KAF3798112.1 CGLO|KAF3805022.1 CGLO|KAF3812133.1 CHIG|XP\_018152466.1 CHIG|XP\_018153363.1 CVIN|KAF4910013.1 CVIN|KAF4927093.1 CVYL|A00266 CVYL|A06529 CVYL|A08247 FGRM|XP\_011327443.1

>Orthogroup3637: BCIN|XP\_001550140.2 CFRU|XP\_031878766.1 CFRU|XP\_031883405.1 CFRU|XP\_031886149.1 CGLO|KAF3798341.1 CGLO|KAF3800588.1 CGLO|KAF3811974.1 CHIG|XP\_018152091.1 CVIN|KAF4927058.1 CVYL|A09013 CVYL|A13127 FGRM|XP\_011327504.1 MORY|QBZ53660.1 NCRA|XP\_959739.2

>Orthogroup3638: BCIN|XP\_001547849.2 CFRU|XP\_031887349.1 CFRU|XP\_031887350.1 CGLO|KAF3809359.1 CGLO|KAF3809360.1 CHIG|XP\_018156214.1 CHIG|XP\_018156215.1 CVIN|KAF4924181.1 CVIN|KAF4924183.1 CVYL|A01567 FGRM|XP\_011318850.1 MORY|QBZ57322.1 NCRA|XP\_961089.1 SSCL|APA11546.1

>Orthogroup3639: BCIN|XP\_024551393.1 BGRA|VDB89134.1 CFRU|XP\_031885262.1 CGLO|KAF3807688.1 CHIG|XP\_018162914.1 CVIN|KAF4927835.1 CVYL|A06881 FGRM|XP\_011322110.1 FGRM|XP\_011326264.1 MGRA|XP\_003855586.1 MLAR|XP\_007412300.1 MORY|QBZ59700.1 NCRA|XP\_956603.2 SSCL|APA10625.1

>Orthogroup3640: BCIN|XP\_024551710.1 CFRU|XP\_031877493.1 CFRU|XP\_031881601.1 CGLO|KAF3798431.1 CGLO|KAF3805394.1 CHIG|XP\_018151905.1 CHIG|XP\_018156716.1 CVIN|KAF4917773.1 CVIN|KAF4919999.1 CVYL|A11039 CVYL|A11206 FGRM|XP\_011322281.1 MGRA|XP\_003847699.1 MORY|QBZ63065.1

>Orthogroup3641: BCIN|XP\_024551738.1 CFRU|XP\_031891836.1 CGLO|KAF3809786.1 CHIG|XP\_018164963.1 CVIN|KAF4915186.1 CVYL|A06706 MORY|QBZ54860.1 MORY|QBZ64342.1 SSCL|APA06276.1 SSCL|APA10888.1 SSCL|APA13494.1 SSCL|APA14608.1 SSCL|APA14867.1 SSCL|APA15729.1

>Orthogroup3642: BCIN|XP\_001546620.1 CFRU|XP\_031879457.1 CFRU|XP\_031892144.1 CGLO|KAF3802385.1 CGLO|KAF3809769.1 CHIG|XP\_018154672.1 CHIG|XP\_018164974.1 CVIN|KAF4915194.1 CVIN|KAF4922190.1 CVYL|A06690 CVYL|A13528 FGRM|XP\_011322941.1 MGRA|XP\_003856557.1 SSCL|APA06336.1

>Orthogroup3643: BCIN|XP\_001558126.2 CFRU|XP\_031891378.1 CFRU|XP\_031891741.1 CGLO|KAF3797899.1 CGLO|KAF3800161.1 CHIG|XP\_018161620.1 CHIG|XP\_018165097.1 CVIN|KAF4905683.1 CVIN|KAF4925832.1 CVYL|A05336 CVYL|A06858 FGRM|XP\_011324382.1 MORY|QBZ53377.1 NCRA|XP\_962499.1

>Orthogroup3644: BCIN|XP\_001546608.1 CFRU|XP\_031887376.1 CGLO|KAF3809335.1 CHIG|XP\_018156173.1 CVIN|KAF4924163.1 CVYL|A01539 FGRM|XP\_011316607.1 FGRM|XP\_011320536.1 FGRM|XP\_011323325.1 FGRM|XP\_011324329.1 MGRA|XP\_003853883.1 MORY|QBZ54953.1 MORY|QBZ61835.1 SSCL|APA13031.1

>Orthogroup3645: BCIN|XP\_024552297.1 CFRU|XP\_031887577.1 CGLO|KAF3811620.1 CHIG|XP\_018160892.1 CVIN|KAF4921468.1 CVYL|A03478 FGRM|XP\_011328155.1 MGRA|XP\_003848456.1 MGRA|XP\_003852877.1 MGRA|XP\_003856046.1 MGRA|XP\_003857235.1 MORY|QBZ56587.1 NCRA|XP\_964430.2 SSCL|APA13075.1

>Orthogroup3646: BCIN|XP\_024552585.1 BGRA|VDB87926.1 CFRU|XP\_031883420.1 CGLO|KAF3801711.1 CHIG|XP\_018159227.1 CVIN|KAF4915636.1 CVYL|A12988 FGRM|XP\_011320400.1 MLAR|XP\_007405805.1 MLAR|XP\_007412501.1 MLAR|XP\_007413537.1 MLAR|XP\_007413735.1 NCRA|XP\_958072.2 SSCL|APA15650.1

>Orthogroup3647: BCIN|XP\_024552653.1 BGRA|VDB88243.1 CFRU|XP\_031882663.1 CGLO|KAF3796940.1 CHIG|XP\_018152224.1 CVYL|A13240 FGRM|XP\_011325699.1 MLAR|XP\_007412261.1 MLAR|XP\_007412262.1 MLAR|XP\_007412263.1 MLAR|XP\_007416655.1 MORY|QBZ62046.1 NCRA|XP\_956264.3 SSCL|APA15577.1

>Orthogroup3648: BCIN|XP\_024553058.1 CFRU|XP\_031876104.1 CFRU|XP\_031890087.1 CFRU|XP\_031890259.1 CGLO|KAF3807379.1 CGLO|KAF3807380.1 CGLO|KAF3810377.1 CHIG|XP\_018159001.1 CVIN|KAF4909116.1 CVYL|A05734 CVYL|A10872 FGRM|XP\_011324442.1 FGRM|XP\_011327338.1 MORY|QBZ63285.1

>Orthogroup3649: BCIN|XP\_024553219.1 BGRA|VDB93903.1 CFRU|XP\_031877857.1 CGLO|KAF3804787.1 CHIG|XP\_018164280.1 CHIG|XP\_018164281.1 CVIN|KAF4929759.1 CVIN|KAF4929760.1 CVYL|A12287 FGRM|XP\_011316307.1 MGRA|XP\_003857171.1 MORY|QBZ62793.1 NCRA|XP\_011392997.1 SSCL|APA13484.1

>Orthogroup3650: BCIN|XP\_024553299.1 CFRU|XP\_031884286.1 CFRU|XP\_031884596.1 CGLO|KAF3799981.1 CHIG|XP\_018152993.1 CHIG|XP\_018161669.1 CVIN|KAF4918254.1 CVIN|KAF4926877.1 CVYL|A10203 CVYL|A11478 FGRM|XP\_011319803.1 MGRA|XP\_003852210.1 MORY|QBZ59379.1 SSCL|APA13525.1

>Orthogroup3651: BCIN|XP\_024553309.1 CFRU|XP\_031879971.1 CGLO|KAF3801240.1 CHIG|XP\_018162530.1 CVIN|KAF4921276.1 CVIN|KAF4923471.1 CVYL|A07886 MLAR|XP\_007418396.1 MORY|QBZ61910.1 MORY|QBZ61911.1 MORY|QBZ65074.1 MORY|QBZ66145.1 NCRA|XP\_963754.1 SSCL|APA08974.1

>Orthogroup3652: BCIN|XP\_001558222.1 BCIN|XP\_001558226.1 BCIN|XP\_024553330.1 CFRU|XP\_031878184.1 CGLO|KAF3808549.1 CVIN|KAF4917627.1 CVYL|A11595 FGRM|XP\_011322234.1 FGRM|XP\_011325288.1 MGRA|XP\_003848953.1 MORY|QBZ54817.1 NCRA|XP\_001728447.2 SSCL|APA13643.1 SSCL|APA13645.1

>Orthogroup3653: BCIN|XP\_024553422.1 BGRA|VCU40524.1 CFRU|XP\_031879036.1 CGLO|KAF3798780.1 CHIG|XP\_018151239.1 CVIN|KAF4912782.1 CVYL|A09143 FGRM|XP\_011328081.1 MGRA|XP\_003851767.1 MGRA|XP\_003855838.1 MLAR|XP\_007409231.1 MORY|QBZ55240.1 NCRA|XP\_962121.2 SSCL|APA13743.1

>Orthogroup3654: BCIN|XP\_001545677.2 BGRA|VCU40149.1 BGRA|VDB83573.1 CFRU|XP\_031885313.1 CGLO|KAF3806535.1 CHIG|XP\_018157573.1 CVIN|KAF4921316.1 CVYL|A09335 FGRM|XP\_011323803.1 MGRA|XP\_003855167.1 MGRA|XP\_003857351.1 MORY|QBZ56285.1 NCRA|XP\_964788.2 SSCL|APA13769.1

>Orthogroup3655: BCIN|XP\_024553929.1 BGRA|VDB93395.1 CFRU|XP\_031883156.1 CGLO|KAF3800735.1 CHIG|XP\_018163285.1 CVIN|KAF4919618.1 CVYL|A00469 FGRM|XP\_011326142.1 MGRA|XP\_003854446.1 MLAR|XP\_007417072.1 MORY|QBZ57929.1 MORY|QBZ57930.1 NCRA|XP\_963035.2 SSCL|APA15301.1

>Orthogroup3656: BGRA|VDB89773.1 CFRU|XP\_031881430.1 CFRU|XP\_031889934.1 CGLO|KAF3800920.1 CGLO|KAF3810413.1 CHIG|XP\_018153195.1 CHIG|XP\_018158405.1 CVIN|KAF4908465.1 CVIN|KAF4920879.1 CVYL|A05983 CVYL|A11389 FGRM|XP\_011325933.1 MORY|QBZ64477.1 NCRA|XP\_964772.2

>Orthogroup3657: BGRA|VDB94008.1 CFRU|XP\_031891087.1 CFRU|XP\_031891753.1 CGLO|KAF3800103.1 CGLO|KAF3801461.1 CHIG|XP\_018151910.1 CVIN|KAF4912386.1 CVIN|KAF4925821.1 CVYL|A06795 CVYL|A12664 FGRM|XP\_011325185.1 MGRA|XP\_003848044.1 MGRA|XP\_003852545.1 MLAR|XP\_007409743.1

>Orthogroup3658: CFRU|XP\_031876348.1 CFRU|XP\_031881212.1 CFRU|XP\_031881284.1 CFRU|XP\_031881819.1 CFRU|XP\_031892910.1 CGLO|KAF3802518.1 CGLO|KAF3807827.1 CHIG|XP\_018156568.1 CHIG|XP\_018163619.1 CVIN|KAF4918995.1 CVYL|A02110 FGRM|XP\_011320612.1 FGRM|XP\_011321717.1 MORY|QBZ66389.1

>Orthogroup3659: CFRU|XP\_031880953.1 CFRU|XP\_031889009.1 CFRU|XP\_031893078.1 CGLO|KAF3804189.1 CGLO|KAF3806863.1 CGLO|KAF3809576.1 CHIG|XP\_018156682.1 CHIG|XP\_018159560.1 CVIN|KAF4896063.1 CVIN|KAF4900574.1 CVIN|KAF4918384.1 CVYL|A02509 CVYL|A03865 NCRA|XP\_956199.1

>Orthogroup3660: CFRU|XP\_031892056.1 CFRU|XP\_031892057.1 CFRU|XP\_031893104.1 CGLO|KAF3800096.1 CGLO|KAF3809052.1 CGLO|KAF3809617.1 CHIG|XP\_018152587.1 CHIG|XP\_018165037.1 CVIN|KAF4919194.1 CVIN|KAF4925828.1 CVYL|A06789 CVYL|A08426 FGRM|XP\_011317990.1 FGRM|XP\_011319615.1

>Orthogroup3661: CFRU|XP\_031878254.1 CFRU|XP\_031892998.1 CGLO|KAF3808547.1 CGLO|KAF3809670.1 CHIG|XP\_018152531.1 CHIG|XP\_018161928.1 CVIN|KAF4917633.1 CVIN|KAF4925039.1 CVYL|A09602 CVYL|A11596 FGRM|XP\_011326231.1 MGRA|XP\_003852148.1 MORY|QBZ58606.1 NCRA|XP\_960261.2

>Orthogroup3662: CFRU|XP\_031885556.1 CFRU|XP\_031893469.1 CGLO|KAF3810160.1 CHIG|XP\_018157923.1 CHIG|XP\_018162796.1 CHIG|XP\_018162803.1 CHIG|XP\_018162804.1 CVIN|KAF4929157.1 CVYL|A02750 CVYL|A11973 CVYL|A12158 MORY|QBZ55094.1 MORY|QBZ55098.1 NCRA|XP\_955987.1

>Orthogroup3663: CFRU|XP\_031884352.1 CFRU|XP\_031884368.1 CFRU|XP\_031888795.1 CFRU|XP\_031892223.1 CGLO|KAF3805621.1 CHIG|XP\_018158063.1 CVIN|KAF4903085.1 CVIN|KAF4925695.1 CVYL|A07578 CVYL|A14190 FGRM|XP\_011324289.1 MORY|QBZ54534.1 MORY|QBZ58182.1 MORY|QBZ60667.1

>Orthogroup3664: CFRU|XP\_031875604.1 CFRU|XP\_031876086.1 CFRU|XP\_031878917.1 CGLO|KAF3801989.1 CGLO|KAF3804756.1 CHIG|XP\_018155653.1 CHIG|XP\_018161813.1 CVIN|KAF4919765.1 CVIN|KAF4922588.1 CVIN|KAF4926176.1 CVYL|A02420 CVYL|A12210 FGRM|XP\_011325839.1 NCRA|XP\_011393802.1

>Orthogroup3665: CFRU|XP\_031884115.1 CFRU|XP\_031887886.1 CGLO|KAF3802026.1 CGLO|KAF3811009.1 CHIG|XP\_018153026.1 CHIG|XP\_018154149.1 CVIN|KAF4910496.1 CVIN|KAF4926900.1 CVYL|A03363 CVYL|A09778 FGRM|XP\_011318105.1 MGRA|XP\_003848222.1 MORY|QBZ55131.1 MORY|QBZ66684.1

>Orthogroup3666: CFRU|XP\_031884873.1 CFRU|XP\_031887582.1 CGLO|KAF3803264.1 CGLO|KAF3812171.1 CHIG|XP\_018153399.1 CHIG|XP\_018161135.1 CVIN|KAF4918740.1 CVIN|KAF4928696.1 CVYL|A00219 CVYL|A03699 FGRM|XP\_011322759.1 FGRM|XP\_011325816.1 MGRA|XP\_003854625.1 MORY|QBZ61118.1

>Orthogroup3667: CFRU|XP\_031882620.1 CFRU|XP\_031885902.1 CGLO|KAF3803902.1 CGLO|KAF3805481.1 CHIG|XP\_018151039.1 CHIG|XP\_018155336.1 CVIN|KAF4898722.1 CVIN|KAF4925432.1 CVYL|A05609 CVYL|A08909 MORY|QBZ59785.1 MORY|QBZ60018.1 MORY|QBZ61943.1 NCRA|XP\_965592.1

>Orthogroup3668: CFRU|XP\_031882982.1 CFRU|XP\_031885869.1 CGLO|KAF3806599.1 CGLO|KAF3808195.1 CHIG|XP\_018153980.1 CVIN|KAF4916903.1 CVIN|KAF4924326.1 CVYL|A00546 CVYL|A09267 FGRM|XP\_011320782.1 MGRA|XP\_003852251.1 MGRA|XP\_003856765.1 MORY|QBZ65575.1 NCRA|XP\_957477.1

>Orthogroup3669: CFRU|XP\_031880357.1 CFRU|XP\_031884766.1 CGLO|KAF3807241.1 CGLO|KAF3812101.1 CHIG|XP\_018153339.1 CHIG|XP\_018156914.1 CVIN|KAF4918126.1 CVIN|KAF4928174.1 CVYL|A00296 CVYL|A10721 FGRM|XP\_011318735.1 FGRM|XP\_011322828.1 MGRA|XP\_003855126.1 MORY|QBZ61724.1

>Orthogroup3670: CFRU|XP\_031880785.1 CFRU|XP\_031880786.1 CFRU|XP\_031884090.1 CFRU|XP\_031884091.1 CGLO|KAF3806873.1 CGLO|KAF3811055.1 CHIG|XP\_018159562.1 CHIG|XP\_018159566.1 CVIN|KAF4895979.1 CVIN|KAF4895980.1 CVIN|KAF4918149.1 CVYL|A02519 CVYL|A09739 FGRM|XP\_011319530.1

>Orthogroup3671: CFRU|XP\_031880143.1 CFRU|XP\_031890898.1 CFRU|XP\_031892121.1 CGLO|KAF3797742.1 CGLO|KAF3809755.1 CGLO|KAF3811765.1 CHIG|XP\_018164989.1 CVIN|KAF4896766.1 CVIN|KAF4917551.1 CVIN|KAF4922983.1 CVYL|A06674 CVYL|A11411 CVYL|A12772 NCRA|XP\_959531.2

>Orthogroup3672: CFRU|XP\_031881367.1 CFRU|XP\_031889577.1 CGLO|KAF3799216.1 CGLO|KAF3805227.1 CGLO|KAF3805830.1 CHIG|XP\_018158072.1 CHIG|XP\_018159837.1 CHIG|XP\_018161689.1 CHIG|XP\_018164914.1 CVIN|KAF4911350.1 CVIN|KAF4920924.1 CVYL|A05992 CVYL|A13875 MGRA|XP\_003850550.1

>Orthogroup3673: CFRU|XP\_031891486.1 CGLO|KAF3797888.1 CHIG|XP\_018151250.1 CHIG|XP\_018161633.1 CHIG|XP\_018161959.1 CVIN|KAF4923097.1 CVYL|A05325 FGRM|XP\_011319625.1 FGRM|XP\_011321487.1 FGRM|XP\_011322594.1 FGRM|XP\_011325723.1 FGRM|XP\_011326159.1 MGRA|XP\_003847786.1 MGRA|XP\_003854682.1

>Orthogroup3674: CFRU|XP\_031876421.1 CFRU|XP\_031880098.1 CGLO|KAF3797716.1 CGLO|KAF3801966.1 CHIG|XP\_018159838.1 CVIN|KAF4917540.1 CVIN|KAF4919790.1 CVYL|A02401 CVYL|A11436 FGRM|XP\_011319553.1 FGRM|XP\_011321009.1 MGRA|XP\_003848280.1 MORY|QBZ54111.1 SSCL|APA09242.1

>Orthogroup3675: CFRU|XP\_031877140.1 CFRU|XP\_031878181.1 CGLO|KAF3804008.1 CGLO|KAF3808486.1 CHIG|XP\_018150943.1 CHIG|XP\_018158386.1 CVIN|KAF4917735.1 CVIN|KAF4925192.1 CVYL|A08793 CVYL|A11652 FGRM|XP\_011321789.1 FGRM|XP\_011325338.1 MGRA|XP\_003849398.1 MORY|QBZ65284.1

>Orthogroup3676: CFRU|XP\_031877034.1 CGLO|KAF3808324.1 CGLO|KAF3811096.1 CHIG|XP\_018153383.1 CHIG|XP\_018156204.1 CHIG|XP\_018161500.1 CHIG|XP\_018163519.1 CHIG|XP\_018163580.1 CVYL|A00656 FGRM|XP\_011315766.1 FGRM|XP\_011322885.1 MGRA|XP\_003852318.1 MORY|QBZ65793.1 SSCL|APA05484.1

>Orthogroup3677: CFRU|XP\_031876087.1 CFRU|XP\_031889389.1 CGLO|KAF3807368.1 CGLO|KAF3808764.1 CHIG|XP\_018155674.1 CHIG|XP\_018156849.1 CVIN|KAF4906984.1 CVIN|KAF4929545.1 CVYL|A00898 CVYL|A10864 FGRM|XP\_011323265.1 FGRM|XP\_011325414.1 MORY|QBZ55089.1 MORY|QBZ56214.1

>Orthogroup3678: CGLO|KAF3797964.1 CGLO|KAF3798608.1 CGLO|KAF3803131.1 CGLO|KAF3804218.1 CGLO|KAF3804331.1 CGLO|KAF3804345.1 CGLO|KAF3805623.1 CGLO|KAF3805697.1 CGLO|KAF3807697.1 CGLO|KAF3807765.1 CGLO|KAF3809992.1 CGLO|KAF3810493.1 CGLO|KAF3811878.1 CGLO|KAF3811893.1

>Orthogroup3679: MLAR|XP\_007404041.1 MLAR|XP\_007404116.1 MLAR|XP\_007405601.1 MLAR|XP\_007405607.1 MLAR|XP\_007405725.1 MLAR|XP\_007405735.1 MLAR|XP\_007405737.1 MLAR|XP\_007412837.1 MLAR|XP\_007412839.1 MLAR|XP\_007412840.1 MLAR|XP\_007414260.1 MLAR|XP\_007414304.1 MLAR|XP\_007418048.1 MLAR|XP\_007418049.1

>Orthogroup3680: MLAR|XP\_007404016.1 MLAR|XP\_007405538.1 MLAR|XP\_007408212.1 MLAR|XP\_007408840.1 MLAR|XP\_007408911.1 MLAR|XP\_007409764.1 MLAR|XP\_007411300.1 MLAR|XP\_007411570.1 MLAR|XP\_007413248.1 MLAR|XP\_007414398.1 MLAR|XP\_007414904.1 MLAR|XP\_007418080.1 MLAR|XP\_007418706.1 MLAR|XP\_007419535.1

>Orthogroup3681: MLAR|XP\_007403778.1 MLAR|XP\_007404369.1 MLAR|XP\_007404370.1 MLAR|XP\_007406966.1 MLAR|XP\_007408619.1 MLAR|XP\_007409865.1 MLAR|XP\_007410776.1 MLAR|XP\_007412893.1 MLAR|XP\_007413856.1 MLAR|XP\_007414519.1 MLAR|XP\_007415092.1 MLAR|XP\_007415972.1 MLAR|XP\_007419014.1 MLAR|XP\_007419542.1

>Orthogroup3682: MLAR|XP\_007404613.1 MLAR|XP\_007405322.1 MLAR|XP\_007406036.1 MLAR|XP\_007407274.1 MLAR|XP\_007409177.1 MLAR|XP\_007409184.1 MLAR|XP\_007410639.1 MLAR|XP\_007415139.1 MLAR|XP\_007417370.1 MLAR|XP\_007417456.1 MLAR|XP\_007418734.1 MLAR|XP\_007419187.1 MLAR|XP\_007419263.1 MLAR|XP\_007419700.1

>Orthogroup3683: MLAR|XP\_007404485.1 MLAR|XP\_007405660.1 MLAR|XP\_007405746.1 MLAR|XP\_007406495.1 MLAR|XP\_007408947.1 MLAR|XP\_007409864.1 MLAR|XP\_007409905.1 MLAR|XP\_007411095.1 MLAR|XP\_007413842.1 MLAR|XP\_007414202.1 MLAR|XP\_007414216.1 MLAR|XP\_007414217.1 MLAR|XP\_007415330.1 MLAR|XP\_007419309.1

>Orthogroup3684: MLAR|XP\_007405432.1 MLAR|XP\_007405985.1 MLAR|XP\_007407437.1 MLAR|XP\_007409547.1 MLAR|XP\_007412949.1 MLAR|XP\_007413452.1 MLAR|XP\_007414495.1 MLAR|XP\_007414629.1 MLAR|XP\_007414950.1 MLAR|XP\_007415310.1 MLAR|XP\_007415982.1 MLAR|XP\_007417822.1 MLAR|XP\_007419046.1 MLAR|XP\_007419703.1

>Orthogroup3685: MLAR|XP\_007405792.1 MLAR|XP\_007406540.1 MLAR|XP\_007407002.1 MLAR|XP\_007407379.1 MLAR|XP\_007407524.1 MLAR|XP\_007409654.1 MLAR|XP\_007409976.1 MLAR|XP\_007410580.1 MLAR|XP\_007411334.1 MLAR|XP\_007412926.1 MLAR|XP\_007413970.1 MLAR|XP\_007417518.1 MLAR|XP\_007417588.1 MLAR|XP\_007418439.1

>Orthogroup3686: MLAR|XP\_007406064.1 MLAR|XP\_007406157.1 MLAR|XP\_007407049.1 MLAR|XP\_007407618.1 MLAR|XP\_007408558.1 MLAR|XP\_007411170.1 MLAR|XP\_007413770.1 MLAR|XP\_007414076.1 MLAR|XP\_007415133.1 MLAR|XP\_007415727.1 MLAR|XP\_007419096.1 MLAR|XP\_007419381.1 MLAR|XP\_007419384.1 MLAR|XP\_007419745.1

>Orthogroup3687: MLAR|XP\_007409640.1 MLAR|XP\_007411113.1 MLAR|XP\_007411407.1 MLAR|XP\_007411882.1 MLAR|XP\_007411943.1 MLAR|XP\_007412585.1 MLAR|XP\_007413511.1 MLAR|XP\_007414037.1 MLAR|XP\_007414038.1 MLAR|XP\_007414043.1 MLAR|XP\_007415378.1 MLAR|XP\_007416265.1 MLAR|XP\_007416266.1 MLAR|XP\_007417380.1

>Orthogroup3688: MLAR|XP\_007413093.1 MLAR|XP\_007413100.1 MLAR|XP\_007413172.1 MLAR|XP\_007414285.1 MLAR|XP\_007414502.1 MLAR|XP\_007414503.1 MLAR|XP\_007415546.1 MLAR|XP\_007417466.1 MLAR|XP\_007417721.1 MLAR|XP\_007418762.1 MLAR|XP\_007419028.1 MLAR|XP\_007419029.1 MLAR|XP\_007419491.1 MLAR|XP\_007419738.1

>Orthogroup3689: ANID|CBF69405.1 ANID|CBF71422.1 ANID|CBF71832.1 ANID|CBF85564.1 ANID|CBF86709.1 BCIN|XP\_024550745.1 CFRU|XP\_031892220.1 CGLO|KAF3805610.1 CVIN|KAF4903413.1 CVYL|A12425 FGRM|XP\_011327638.1 FGRM|XP\_011328635.1 MORY|QBZ63594.1

>Orthogroup3690: ANID|CBF69440.1 CFRU|XP\_031879400.1 CFRU|XP\_031890781.1 CGLO|KAF3811709.1 CHIG|XP\_018151849.1 CHIG|XP\_018161847.1 CVIN|KAF4905047.1 CVIN|KAF4926168.1 CVYL|A11744 CVYL|A12727 FGRM|XP\_011317938.1 MGRA|XP\_003850411.1 MORY|QBZ66301.1

>Orthogroup3691: ANID|CBF69445.1 ANID|CBF78676.1 BCIN|XP\_001552799.1 CFRU|XP\_031884302.1 CGLO|KAF3799962.1 CHIG|XP\_018159065.1 CVIN|KAF4926888.1 CVYL|A10176 MGRA|XP\_003854128.1 MORY|QBZ53415.1 MORY|QBZ54346.1 MORY|QBZ62902.1 SSCL|APA16126.1

>Orthogroup3692: ANID|CBF69596.1 BCIN|XP\_024552449.1 BGRA|VDB89221.1 CFRU|XP\_031886302.1 CGLO|KAF3806228.1 CHIG|XP\_018162063.1 CVIN|KAF4931526.1 CVYL|A11818 FGRM|XP\_011324034.1 MGRA|XP\_003854511.1 MORY|QBZ61542.1 NCRA|XP\_011393787.1 SSCL|APA15028.1

>Orthogroup3693: ANID|CBF69600.1 BCIN|XP\_001546999.2 CFRU|XP\_031878574.1 CGLO|KAF3803337.1 CHIG|XP\_018161184.1 CVIN|KAF4919284.1 CVYL|A03780 FGRM|XP\_011318718.1 MGRA|XP\_003854148.1 MLAR|XP\_007407071.1 MORY|QBZ59309.1 NCRA|XP\_960335.1 SSCL|APA14500.1

>Orthogroup3694: ANID|CBF69602.1 BCIN|XP\_024549923.1 BCIN|XP\_024553128.1 CFRU|XP\_031893110.1 CGLO|KAF3808346.1 CHIG|XP\_018152402.1 CVIN|KAF4918643.1 CVYL|A09505 MGRA|XP\_003854139.1 MORY|QBZ54466.1 NCRA|XP\_011392894.1 SSCL|APA05264.1 SSCL|APA05266.1

>Orthogroup3695: ANID|CBF69605.1 BCIN|XP\_001546995.1 BGRA|VDB93367.1 CFRU|XP\_031893114.1 CGLO|KAF3808343.1 CHIG|XP\_018152399.1 CVIN|KAF4918647.1 CVYL|A09502 FGRM|XP\_011317697.1 MGRA|XP\_003854034.1 MORY|QBZ54506.1 NCRA|XP\_961455.1 SSCL|APA14496.1

>Orthogroup3696: ANID|CBF69619.1 BCIN|XP\_001546997.2 BGRA|VDB96337.1 CFRU|XP\_031886560.1 CGLO|KAF3804044.1 CHIG|XP\_018162717.1 CVIN|KAF4927631.1 CVYL|A07000 FGRM|XP\_011326401.1 MGRA|XP\_003854528.1 MORY|QBZ59304.1 NCRA|XP\_957879.3 SSCL|APA14498.1

>Orthogroup3697: ANID|CBF69627.1 BCIN|XP\_001549800.1 BGRA|VDB93492.1 CFRU|XP\_031875922.1 CGLO|KAF3807801.1 CHIG|XP\_018162993.1 CVIN|KAF4921520.1 CVYL|A00801 FGRM|XP\_011326120.1 MGRA|XP\_003854205.1 MORY|QBZ58186.1 NCRA|XP\_956115.1 SSCL|APA14466.1

>Orthogroup3698: ANID|CBF69648.1 BCIN|XP\_024552425.1 CFRU|XP\_031886486.1 CGLO|KAF3806376.1 CHIG|XP\_018162214.1 CVIN|KAF4923269.1 CVYL|A11965 FGRM|XP\_011326592.1 MGRA|XP\_003854113.1 MLAR|XP\_007406556.1 MORY|QBZ55763.1 NCRA|XP\_957258.2 SSCL|APA14962.1

>Orthogroup3699: ANID|CBF69652.1 BCIN|XP\_024549962.1 BGRA|VDB93494.1 CFRU|XP\_031893068.1 CGLO|KAF3808376.1 CHIG|XP\_018152445.1 CVIN|KAF4916850.1 CVYL|A09536 FGRM|XP\_011317687.1 MLAR|XP\_007406908.1 MORY|QBZ54073.1 NCRA|XP\_961299.1 SSCL|APA05304.1

>Orthogroup3700: ANID|CBF69659.1 BCIN|XP\_001553317.2 CFRU|XP\_031893132.1 CGLO|KAF3809477.1 CHIG|XP\_018152690.1 CVIN|KAF4921274.1 CVYL|A10044 FGRM|XP\_011317921.1 MGRA|XP\_003854135.1 MLAR|XP\_007407944.1 MORY|QBZ54846.1 NCRA|XP\_960662.2 SSCL|APA15181.1

>Orthogroup3701: ANID|CBF69665.1 BCIN|XP\_024553668.1 BGRA|VDB96324.1 CFRU|XP\_031886551.1 CGLO|KAF3804052.1 CVIN|KAF4919531.1 CVYL|A07013 FGRM|XP\_011327059.1 MGRA|XP\_003854444.1 MLAR|XP\_007412696.1 MORY|QBZ61426.1 NCRA|XP\_956587.2 SSCL|APA15051.1

>Orthogroup3702: ANID|CBF69667.1 BCIN|XP\_024553714.1 BGRA|VDB93361.1 CFRU|XP\_031893019.1 CGLO|KAF3808418.1 CHIG|XP\_018152496.1 CVIN|KAF4924990.1 CVYL|A09577 FGRM|XP\_011317927.1 MGRA|XP\_003854215.1 MORY|QBZ54855.1 NCRA|XP\_958282.2 SSCL|APA15108.1

>Orthogroup3703: ANID|CBF69672.1 BCIN|XP\_024552021.1 CFRU|XP\_031876696.1 CGLO|KAF3798675.1 CVIN|KAF4918498.1 CVYL|A09414 FGRM|XP\_011317816.1 MGRA|XP\_003849128.1 MLAR|XP\_007406221.1 MLAR|XP\_007415278.1 MORY|QBZ58957.1 NCRA|XP\_011394409.1 SSCL|APA12785.1

>Orthogroup3704: ANID|CBF69686.1 BCIN|XP\_001551473.1 BGRA|VCU39376.1 CFRU|XP\_031885384.1 CHIG|XP\_018157507.1 CVIN|KAF4919446.1 CVYL|A09391 FGRM|XP\_011328138.1 MGRA|XP\_003855104.1 MLAR|XP\_007405758.1 MORY|QBZ57243.1 NCRA|XP\_962285.2 SSCL|APA06191.1

>Orthogroup3705: ANID|CBF69697.1 BCIN|XP\_001548933.1 BGRA|VCU40141.1 CFRU|XP\_031880612.1 CGLO|KAF3811523.1 CHIG|XP\_018160781.1 CVIN|KAF4926729.1 CVYL|A04733 FGRM|XP\_011324818.1 MGRA|XP\_003848896.1 MORY|QBZ56625.1 NCRA|XP\_961830.3 SSCL|APA05734.1

>Orthogroup3706: ANID|CBF69717.1 BCIN|XP\_024550035.1 BGRA|VDB83653.1 CFRU|XP\_031876538.1 CGLO|KAF3811484.1 CHIG|XP\_018160737.1 CVIN|KAF4907418.1 CVYL|A04689 FGRM|XP\_011317780.1 MGRA|XP\_003848774.1 MORY|QBZ56556.1 NCRA|XP\_962690.3 SSCL|APA05371.1

>Orthogroup3707: ANID|CBF69724.1 BCIN|XP\_024553732.1 BGRA|VDB86319.1 CFRU|XP\_031885203.1 CGLO|KAF3800349.1 CHIG|XP\_018162838.1 CVIN|KAF4914528.1 CVYL|A07509 FGRM|XP\_011326406.1 MGRA|XP\_003854057.1 MORY|QBZ63249.1 NCRA|XP\_958603.1 SSCL|APA15121.1

>Orthogroup3708: ANID|CBF69734.1 BCIN|XP\_001551149.1 BGRA|VDB96345.1 CFRU|XP\_031886693.1 CGLO|KAF3801223.1 CHIG|XP\_018162605.1 CVIN|KAF4932047.1 CVYL|A07108 FGRM|XP\_011323999.1 MGRA|XP\_003853727.1 MORY|QBZ59326.1 NCRA|XP\_957796.1 SSCL|APA15062.1

>Orthogroup3709: ANID|CBF69742.1 BCIN|XP\_024553684.1 BGRA|VDB96379.1 CFRU|XP\_031878405.1 CGLO|KAF3810740.1 CHIG|XP\_018162480.1 CVYL|A07212 FGRM|XP\_011326989.1 MGRA|XP\_003854076.1 MLAR|XP\_007412892.1 MORY|QBZ61450.1 NCRA|XP\_963091.1 SSCL|APA15065.1

>Orthogroup3710: ANID|CBF69744.1 BCIN|XP\_024553682.1 CFRU|XP\_031886789.1 CGLO|KAF3801222.1 CHIG|XP\_018162604.1 CVIN|KAF4932048.1 CVYL|A07110 FGRM|XP\_011323998.1 MGRA|XP\_003853730.1 MLAR|XP\_007416549.1 MORY|QBZ59330.1 NCRA|XP\_957795.2 SSCL|APA15063.1

>Orthogroup3711: ANID|CBF69756.1 BCIN|XP\_024548082.1 CFRU|XP\_031887439.1 CGLO|KAF3809186.1 CHIG|XP\_018156012.1 CVIN|KAF4925303.1 CVYL|A01374 FGRM|XP\_011319065.1 MGRA|XP\_003851839.1 MLAR|XP\_007415292.1 MORY|QBZ62558.1 NCRA|XP\_011394784.1 SSCL|APA12739.1

>Orthogroup3712: ANID|CBF69763.1 BCIN|XP\_001550192.2 BGRA|VCU39729.1 CFRU|XP\_031886122.1 CGLO|KAF3805429.1 CHIG|XP\_018155289.1 CVIN|KAF4930409.1 CVYL|A05559 CVYL|A09960 FGRM|XP\_011325643.1 MORY|QBZ54023.1 NCRA|XP\_963632.2 SSCL|APA16320.1

>Orthogroup3713: ANID|CBF69769.1 BCIN|XP\_001554493.1 BGRA|VDB93037.1 CFRU|XP\_031885335.1 CGLO|KAF3799476.1 CHIG|XP\_018154461.1 CVIN|KAF4931789.1 CVYL|A13338 FGRM|XP\_011316700.1 MGRA|XP\_003856438.1 MORY|QBZ56638.1 NCRA|XP\_963530.1 SSCL|APA11835.1

>Orthogroup3714: ANID|CBF69784.1 BCIN|XP\_024548379.1 BGRA|VDB93011.1 CFRU|XP\_031881220.1 CGLO|KAF3802486.1 CHIG|XP\_018154796.1 CVIN|KAF4907442.1 CVYL|A02078 FGRM|XP\_011316328.1 MGRA|XP\_003856588.1 MORY|QBZ60983.1 NCRA|XP\_011393622.1 SSCL|APA12322.1

>Orthogroup3715: ANID|CBF69793.1 BCIN|XP\_024548383.1 BGRA|VDB88835.1 CFRU|XP\_031890737.1 CFRU|XP\_031890971.1 CGLO|KAF3801542.1 CHIG|XP\_018151953.1 CVIN|KAF4921100.1 CVYL|A12594 FGRM|XP\_011319372.1 MORY|QBZ53670.1 NCRA|XP\_011393607.1 SSCL|APA12317.1

>Orthogroup3716: ANID|CBF69799.1 BCIN|XP\_024549131.1 BGRA|VCU39545.1 CFRU|XP\_031890382.1 CGLO|KAF3806737.1 CHIG|XP\_018158714.1 CVIN|KAF4919483.1 CVYL|A14048 FGRM|XP\_011327344.1 MGRA|XP\_003850785.1 MGRA|XP\_003854218.1 NCRA|XP\_961776.1 SSCL|APA08825.1

>Orthogroup3717: ANID|CBF69801.1 BCIN|XP\_001547231.2 BGRA|VCU38913.1 CFRU|XP\_031887688.1 CGLO|KAF3811593.1 CHIG|XP\_018160859.1 CVIN|KAF4914874.1 CVYL|A03448 FGRM|XP\_011327853.1 MGRA|XP\_003853681.1 MORY|QBZ58871.1 NCRA|XP\_962239.2 SSCL|APA07369.1

>Orthogroup3718: ANID|CBF69811.1 BCIN|XP\_001558327.1 BGRA|VDB83654.1 CFRU|XP\_031876528.1 CGLO|KAF3811483.1 CHIG|XP\_018160736.1 CVIN|KAF4907419.1 CVYL|A04688 FGRM|XP\_011317779.1 MGRA|XP\_003849110.1 MORY|QBZ56557.1 NCRA|XP\_962676.1 SSCL|APA13706.1

>Orthogroup3719: ANID|CBF69834.1 BCIN|XP\_001557278.1 BGRA|VDB93020.1 CFRU|XP\_031883442.1 CGLO|KAF3800605.1 CHIG|XP\_018152074.1 CVIN|KAF4918192.1 CVYL|A13112 FGRM|XP\_011321283.1 MGRA|XP\_003850771.1 MORY|QBZ62098.1 NCRA|XP\_011393458.1 SSCL|APA12486.1

>Orthogroup3720: ANID|CBF69838.1 BCIN|XP\_001557279.1 BGRA|VDB93026.1 CFRU|XP\_031883441.1 CGLO|KAF3800604.1 CHIG|XP\_018152075.1 CVIN|KAF4918171.1 CVYL|A13113 FGRM|XP\_011321285.1 MGRA|XP\_003851073.1 MORY|QBZ62099.1 NCRA|XP\_956984.3 SSCL|APA12485.1

>Orthogroup3721: ANID|CBF69840.1 BCIN|XP\_001546164.1 BGRA|VCU39663.1 CFRU|XP\_031885459.1 CGLO|KAF3799537.1 CHIG|XP\_018154527.1 CVIN|KAF4931836.1 CVYL|A13397 FGRM|XP\_011324915.1 MGRA|XP\_003856527.1 MLAR|XP\_007410802.1 NCRA|XP\_963510.1 SSCL|APA16277.1

>Orthogroup3722: ANID|CBF69850.1 BCIN|XP\_001554506.1 CFRU|XP\_031878071.1 CGLO|KAF3799622.1 CHIG|XP\_018154626.1 CVIN|KAF4926492.1 CVYL|A13484 FGRM|XP\_011317255.1 MGRA|XP\_003856409.1 MLAR|XP\_007405377.1 MORY|QBZ61004.1 NCRA|XP\_956961.1 SSCL|APA11843.1

>Orthogroup3723: ANID|CBF69867.1 BCIN|XP\_001553163.2 BGRA|VCU39651.1 CFRU|XP\_031883277.1 CGLO|KAF3800526.1 CHIG|XP\_018152184.1 CVIN|KAF4919258.1 CVYL|A13189 FGRM|XP\_011325506.1 MGRA|XP\_003856774.1 MORY|QBZ53991.1 NCRA|XP\_956485.1 SSCL|APA07523.1

>Orthogroup3724: ANID|CBF69911.1 BCIN|XP\_001548925.1 CFRU|XP\_031882527.1 CGLO|KAF3803932.1 CHIG|XP\_018151012.1 CVIN|KAF4925475.1 CVYL|A08875 FGRM|XP\_011323828.1 MGRA|XP\_003848867.1 MLAR|XP\_007412074.1 MORY|QBZ58799.1 NCRA|XP\_011394156.1 SSCL|APA05742.1

>Orthogroup3725: ANID|CBF69915.1 BCIN|XP\_001548931.1 BGRA|VCU40139.1 CFRU|XP\_031880613.1 CGLO|KAF3811525.1 CHIG|XP\_018160783.1 CVIN|KAF4926772.1 CVYL|A04735 FGRM|XP\_011324816.1 MLAR|XP\_007404984.1 MORY|QBZ56627.1 NCRA|XP\_961828.1 SSCL|APA05736.1

>Orthogroup3726: ANID|CBF69940.1 BCIN|XP\_024549680.1 CFRU|XP\_031876937.1 CGLO|KAF3810705.1 CHIG|XP\_018162471.1 CVIN|KAF4909743.1 CVYL|A07249 FGRM|XP\_011323994.1 MGRA|XP\_003853986.1 MLAR|XP\_007411064.1 MORY|QBZ61443.1 NCRA|XP\_957364.3 SSCL|APA05247.1

>Orthogroup3727: ANID|CBF69992.1 BCIN|XP\_024549842.1 CFRU|XP\_031886009.1 CGLO|KAF3806544.1 CHIG|XP\_018157583.1 CVIN|KAF4920482.1 CVYL|A09325 FGRM|XP\_011327987.1 MGRA|XP\_003852253.1 MLAR|XP\_007409082.1 MORY|QBZ56274.1 NCRA|XP\_961994.1 SSCL|APA05499.1

>Orthogroup3728: ANID|CBF69994.1 BCIN|XP\_024550001.1 BGRA|VDB83678.1 CFRU|XP\_031880535.1 CGLO|KAF3811570.1 CHIG|XP\_018160834.1 CVIN|KAF4898062.1 CVYL|A04782 FGRM|XP\_011323847.1 MGRA|XP\_003852568.1 MORY|QBZ56604.1 NCRA|XP\_962671.1 SSCL|APA05333.1

>Orthogroup3729: ANID|CBF69998.1 BCIN|XP\_024550002.1 BGRA|VDB83677.1 CFRU|XP\_031880481.1 CHIG|XP\_018160824.1 CVIN|KAF4926721.1 CVYL|A04775 FGRM|XP\_011324822.1 MGRA|XP\_003852457.1 MLAR|XP\_007410366.1 MORY|QBZ56630.1 NCRA|XP\_961826.1 SSCL|APA05332.1

>Orthogroup3730: ANID|CBF70002.1 BCIN|XP\_024549857.1 BGRA|VDB83725.1 CFRU|XP\_031887547.1 CGLO|KAF3811654.1 CHIG|XP\_018160958.1 CVIN|KAF4920153.1 CVYL|A03513 FGRM|XP\_011323596.1 MLAR|XP\_007412178.1 MORY|QBZ57177.1 NCRA|XP\_001728089.2 SSCL|APA05522.1

>Orthogroup3731: ANID|CBF70004.1 BCIN|XP\_024549856.1 CFRU|XP\_031887548.1 CGLO|KAF3811653.1 CHIG|XP\_018160959.1 CVIN|KAF4920152.1 CVYL|A03512 FGRM|XP\_011323597.1 MGRA|XP\_003852562.1 MLAR|XP\_007415440.1 MORY|QBZ57178.1 NCRA|XP\_962316.3 SSCL|APA05523.1

>Orthogroup3732: ANID|CBF70016.1 BCIN|XP\_001549742.1 BCIN|XP\_024549608.1 CFRU|XP\_031876558.1 CGLO|KAF3811495.1 CHIG|XP\_018160749.1 CVIN|KAF4926753.1 CVYL|A04700 FGRM|XP\_011317791.1 MGRA|XP\_003852654.1 MORY|QBZ56320.1 NCRA|XP\_001728088.2 SSCL|APA13876.1

>Orthogroup3733: ANID|CBF70035.1 BCIN|XP\_024549729.1 BGRA|VDB90986.1 CFRU|XP\_031882895.1 CGLO|KAF3812090.1 CHIG|XP\_018164161.1 CVIN|KAF4915997.1 CVYL|A14268 FGRM|XP\_011316185.1 MGRA|XP\_003851590.1 MORY|QBZ54651.1 NCRA|XP\_964484.1 SSCL|APA05438.1

>Orthogroup3734: ANID|CBF70043.1 BCIN|XP\_001551634.1 CFRU|XP\_031892483.1 CGLO|KAF3809068.1 CHIG|XP\_018155905.1 CVIN|KAF4919752.1 CVYL|A01644 FGRM|XP\_011319166.1 MGRA|XP\_003851715.1 MLAR|XP\_007403900.1 MORY|QBZ64505.1 NCRA|XP\_961620.1 SSCL|APA11574.1

>Orthogroup3735: ANID|CBF70047.1 BCIN|XP\_001553480.1 BGRA|VDB86017.1 CFRU|XP\_031877423.1 CGLO|KAF3808460.1 CHIG|XP\_018161992.1 CVIN|KAF4915202.1 CVYL|A11681 FGRM|XP\_011318663.1 MGRA|XP\_003851370.1 MORY|QBZ63041.1 NCRA|XP\_959212.1 SSCL|APA10880.1

>Orthogroup3736: ANID|CBF70053.1 BCIN|XP\_001550764.1 BGRA|VDB96369.1 CFRU|XP\_031892970.1 CGLO|KAF3808027.1 CVIN|KAF4909485.1 CVYL|A09456 FGRM|XP\_011317752.1 MGRA|XP\_003854373.1 MLAR|XP\_007409919.1 MORY|QBZ54240.1 NCRA|XP\_961408.1 SSCL|APA15280.1

>Orthogroup3737: ANID|CBF70062.1 BCIN|XP\_001551165.1 BGRA|VDB96342.1 CFRU|XP\_031878396.1 CGLO|KAF3810751.1 CHIG|XP\_018162548.1 CVIN|KAF4932019.1 CVYL|A07204 FGRM|XP\_011326324.1 MGRA|XP\_003854229.1 MORY|QBZ59716.1 NCRA|XP\_957019.3 SSCL|APA15087.1

>Orthogroup3738: ANID|CBF70066.1 BCIN|XP\_024553688.1 BGRA|VDB96400.1 CFRU|XP\_031878371.1 CGLO|KAF3810755.1 CHIG|XP\_018162552.1 CVIN|KAF4932023.1 CVYL|A07200 FGRM|XP\_011326321.1 MGRA|XP\_003854055.1 MORY|QBZ59714.1 NCRA|XP\_011393731.1 SSCL|APA15075.1

>Orthogroup3739: ANID|CBF70085.1 BCIN|XP\_024549951.1 BGRA|VDB96316.1 CFRU|XP\_031886615.1 CGLO|KAF3801235.1 CHIG|XP\_018162618.1 CVIN|KAF4932118.1 CVYL|A07094 FGRM|XP\_011326642.1 MGRA|XP\_003854064.1 MORY|QBZ59458.1 NCRA|XP\_963097.3 SSCL|APA05291.1

>Orthogroup3740: ANID|CBF70093.1 BCIN|XP\_024553927.1 BGRA|VDB93393.1 CFRU|XP\_031883155.1 CGLO|KAF3800734.1 CHIG|XP\_018163284.1 CVYL|A00470 FGRM|XP\_011326143.1 MGRA|XP\_003853817.1 MLAR|XP\_007415650.1 MORY|QBZ57926.1 NCRA|XP\_963036.2 SSCL|APA15300.1

>Orthogroup3741: ANID|CBF70096.1 BCIN|XP\_001557144.1 BGRA|VCU40935.1 CFRU|XP\_031886300.1 CGLO|KAF3806230.1 CHIG|XP\_018162065.1 CVIN|KAF4931524.1 CVYL|A11820 FGRM|XP\_011324032.1 MGRA|XP\_003853782.1 MORY|QBZ61540.1 NCRA|XP\_956594.1 SSCL|APA15026.1

>Orthogroup3742: ANID|CBF70098.1 BCIN|XP\_001557145.1 BGRA|VCU40936.1 CFRU|XP\_031886303.1 CGLO|KAF3806229.1 CHIG|XP\_018162064.1 CVIN|KAF4931525.1 CVYL|A11819 FGRM|XP\_011324033.1 MLAR|XP\_007414093.1 MORY|QBZ61541.1 NCRA|XP\_956595.2 SSCL|APA15027.1

>Orthogroup3743: ANID|CBF70101.1 BCIN|XP\_001547181.2 BGRA|VDB94951.1 CFRU|XP\_031877724.1 CGLO|KAF3797320.1 CHIG|XP\_018157188.1 CVIN|KAF4917673.1 CVYL|A10375 FGRM|XP\_011319944.1 MGRA|XP\_003854473.1 MORY|QBZ65632.1 NCRA|XP\_965721.2 SSCL|APA08909.1

>Orthogroup3744: ANID|CBF70103.1 BCIN|XP\_001550536.1 CFRU|XP\_031885045.1 CGLO|KAF3807681.1 CHIG|XP\_018162903.1 CVIN|KAF4927777.1 CVYL|A06873 FGRM|XP\_011326266.1 MGRA|XP\_003854262.1 MLAR|XP\_007412617.1 MORY|QBZ59727.1 NCRA|XP\_956681.1 SSCL|APA15253.1

>Orthogroup3745: ANID|CBF70107.1 BCIN|XP\_024550066.1 BGRA|VDB93486.1 CFRU|XP\_031883047.1 CGLO|KAF3808249.1 CHIG|XP\_018163165.1 CVIN|KAF4909568.1 CVYL|A00585 FGRM|XP\_011326199.1 MGRA|XP\_003854513.1 MORY|QBZ57841.1 NCRA|XP\_011393931.1 SSCL|APA14444.1

>Orthogroup3746: ANID|CBF70139.1 BCIN|XP\_001545266.2 BGRA|VDB96377.1 CFRU|XP\_031878407.1 CGLO|KAF3810737.1 CHIG|XP\_018162483.1 CVIN|KAF4932067.1 CVYL|A07215 FGRM|XP\_011326985.1 MLAR|XP\_007410717.1 MORY|QBZ61453.1 NCRA|XP\_963094.1 SSCL|APA15067.1

>Orthogroup3747: ANID|CBF70145.1 BCIN|XP\_024553924.1 BGRA|VCU41005.1 CFRU|XP\_031892966.1 CGLO|KAF3808031.1 CHIG|XP\_018152350.1 CVIN|KAF4909503.1 CVYL|A09453 FGRM|XP\_011317748.1 MLAR|XP\_007406524.1 MORY|QBZ54236.1 NCRA|XP\_011394542.1 SSCL|APA15292.1

>Orthogroup3748: ANID|CBF70155.1 BCIN|XP\_024553899.1 CFRU|XP\_031883055.1 CGLO|KAF3800726.1 CHIG|XP\_018163277.1 CVIN|KAF4919641.1 CVYL|A00478 FGRM|XP\_011326123.1 MGRA|XP\_003854097.1 MORY|QBZ55050.1 MORY|QBZ58150.1 NCRA|XP\_959315.1 SSCL|APA15191.1

>Orthogroup3749: ANID|CBF70161.1 BCIN|XP\_024553889.1 CFRU|XP\_031885037.1 CGLO|KAF3800360.1 CHIG|XP\_018162849.1 CVIN|KAF4927760.1 CVYL|A07631 FGRM|XP\_011326388.1 MGRA|XP\_003854041.1 MLAR|XP\_007408667.1 MORY|QBZ59546.1 NCRA|XP\_957823.1 SSCL|APA15200.1

>Orthogroup3750: ANID|CBF70168.1 BCIN|XP\_024553896.1 CFRU|XP\_031886663.1 CGLO|KAF3801198.1 CHIG|XP\_018162499.1 CVIN|KAF4932102.1 CVYL|A07136 FGRM|XP\_011326937.1 MGRA|XP\_003853804.1 MLAR|XP\_007407605.1 MORY|QBZ55686.1 NCRA|XP\_011394037.1 SSCL|APA15194.1

>Orthogroup3751: ANID|CBF70206.1 BCIN|XP\_001558839.1 BGRA|VDB93871.1 CFRU|XP\_031879447.1 CGLO|KAF3799651.1 CHIG|XP\_018154661.1 CVIN|KAF4922193.1 CVYL|A13514 FGRM|XP\_011315958.1 MGRA|XP\_003849082.1 MLAR|XP\_007405761.1 NCRA|XP\_956121.1 SSCL|APA05991.1

>Orthogroup3752: ANID|CBF70215.1 BCIN|XP\_001558364.1 BGRA|VDB90897.1 CFRU|XP\_031882779.1 CGLO|KAF3803361.1 CHIG|XP\_018163955.1 CVIN|KAF4915992.1 CVYL|A14300 FGRM|XP\_011317148.1 MGRA|XP\_003848402.1 MLAR|XP\_007412011.1 NCRA|XP\_964689.1 SSCL|APA13759.1

>Orthogroup3753: ANID|CBF70217.1 BCIN|XP\_024551034.1 BGRA|VCU40001.1 CFRU|XP\_031892679.1 CGLO|KAF3809123.1 CHIG|XP\_018155971.1 CVIN|KAF4922086.1 CVYL|A01307 FGRM|XP\_011319197.1 MGRA|XP\_003851791.1 MORY|QBZ61102.1 NCRA|XP\_960787.1 SSCL|APA11951.1

>Orthogroup3754: ANID|CBF70226.1 BCIN|XP\_001549104.2 CFRU|XP\_031882879.1 CGLO|KAF3803355.1 CHIG|XP\_018164103.1 CVIN|KAF4915981.1 CVYL|A14282 FGRM|XP\_011316179.1 MGRA|XP\_003851682.1 MLAR|XP\_007418342.1 MORY|QBZ54608.1 NCRA|XP\_965669.1 SSCL|APA06230.1

>Orthogroup3755: ANID|CBF70228.1 BCIN|XP\_024550153.1 BGRA|VDB85736.1 CFRU|XP\_031891514.1 CGLO|KAF3797422.1 CHIG|XP\_018157384.1 CVIN|KAF4929349.1 CVYL|A10253 FGRM|XP\_011319990.1 MGRA|XP\_003851728.1 MORY|QBZ66072.1 NCRA|XP\_959135.1 SSCL|APA10833.1

>Orthogroup3756: ANID|CBF70230.1 BCIN|XP\_024551890.1 BGRA|VDB91000.1 CFRU|XP\_031882787.1 CHIG|XP\_018164104.1 CVIN|KAF4915965.1 CVYL|A14281 FGRM|XP\_011316180.1 MGRA|XP\_003851955.1 MLAR|XP\_007416230.1 MORY|QBZ54609.1 NCRA|XP\_001728416.2 SSCL|APA06229.1

>Orthogroup3757: ANID|CBF70234.1 BCIN|XP\_024550657.1 CFRU|XP\_031887273.1 CGLO|KAF3809179.1 CHIG|XP\_018156002.1 CVIN|KAF4919839.1 CVYL|A01366 FGRM|XP\_011319180.1 MGRA|XP\_003851775.1 MLAR|XP\_007406715.1 MORY|QBZ57436.1 NCRA|XP\_961535.1 SSCL|APA11482.1

>Orthogroup3758: ANID|CBF70245.1 BCIN|XP\_001547252.1 BGRA|VCU38935.1 CFRU|XP\_031887561.1 CGLO|KAF3807139.1 CHIG|XP\_018160933.1 CVIN|KAF4920170.1 CVYL|A03537 FGRM|XP\_011323495.1 MGRA|XP\_003855163.1 MORY|QBZ64547.1 NCRA|XP\_962529.1 SSCL|APA07389.1

>Orthogroup3759: ANID|CBF70247.1 BCIN|XP\_024551894.1 BGRA|VCU39263.1 CFRU|XP\_031882880.1 CHIG|XP\_018164102.1 CVIN|KAF4915982.1 CVYL|A14283 FGRM|XP\_011316178.1 MGRA|XP\_003851749.1 MLAR|XP\_007411096.1 MORY|QBZ54607.1 NCRA|XP\_965670.1 SSCL|APA06232.1

>Orthogroup3760: ANID|CBF70269.1 BCIN|XP\_001560923.1 BGRA|VDB95096.1 CFRU|XP\_031878112.1 CGLO|KAF3801831.1 CHIG|XP\_018159308.1 CVIN|KAF4907398.1 CVYL|A12875 MGRA|XP\_003855534.1 MLAR|XP\_007403992.1 MORY|QBZ62873.1 NCRA|XP\_011394952.1 SSCL|APA06792.1

>Orthogroup3761: ANID|CBF70271.1 BCIN|XP\_024546554.1 CFRU|XP\_031877251.1 CGLO|KAF3806829.1 CHIG|XP\_018159523.1 CVIN|KAF4909280.1 CVYL|A02475 FGRM|XP\_011320492.1 MGRA|XP\_003855510.1 MLAR|XP\_007407145.1 MORY|QBZ62922.1 NCRA|XP\_960487.1 SSCL|APA06791.1

>Orthogroup3762: ANID|CBF70288.1 BCIN|XP\_001558866.1 BGRA|VDB93780.1 CFRU|XP\_031883363.1 CGLO|KAF3800551.1 CHIG|XP\_018152131.1 CVIN|KAF4923817.1 CVYL|A13166 FGRM|XP\_011315965.1 MGRA|XP\_003855750.1 MORY|QBZ60314.1 NCRA|XP\_956029.1 SSCL|APA05770.1

>Orthogroup3763: ANID|CBF70292.1 BCIN|XP\_024552332.1 BGRA|VCU38869.1 CFRU|XP\_031887474.1 CGLO|KAF3803289.1 CHIG|XP\_018161139.1 CVIN|KAF4928682.1 CVYL|A03724 FGRM|XP\_011327964.1 MLAR|XP\_007414590.1 MORY|QBZ64559.1 NCRA|XP\_962455.2 SSCL|APA13188.1

>Orthogroup3764: ANID|CBF70294.1 BCIN|XP\_001555495.1 CFRU|XP\_031891281.1 CGLO|KAF3804706.1 CHIG|XP\_018161777.1 CVIN|KAF4923358.1 CVYL|A05417 FGRM|XP\_011321513.1 MGRA|XP\_003854790.1 MLAR|XP\_007407174.1 MORY|QBZ59661.1 NCRA|XP\_963111.2 SSCL|APA08199.1

>Orthogroup3765: ANID|CBF70309.1 BCIN|XP\_024553496.1 BGRA|VCU40137.1 CFRU|XP\_031876590.1 CHIG|XP\_018150780.1 CVIN|KAF4907256.1 CVYL|A12438 FGRM|XP\_011324477.1 MGRA|XP\_003853134.1 MLAR|XP\_007409011.1 MORY|QBZ64278.1 NCRA|XP\_962598.1 SSCL|APA13796.1

>Orthogroup3766: ANID|CBF70311.1 BCIN|XP\_024553482.1 BGRA|VCU40133.1 CFRU|XP\_031879028.1 CGLO|KAF3798872.1 CHIG|XP\_018151188.1 CVIN|KAF4920303.1 CVYL|A09063 FGRM|XP\_011324244.1 MGRA|XP\_003852341.1 MORY|QBZ59225.1 NCRA|XP\_011394449.1 SSCL|APA13788.1

>Orthogroup3767: ANID|CBF70320.1 BCIN|XP\_001545671.1 BGRA|VCU40148.1 CFRU|XP\_031885306.1 CGLO|KAF3806540.1 CHIG|XP\_018157580.1 CVIN|KAF4921340.1 CVYL|A09329 FGRM|XP\_011327989.1 MGRA|XP\_003853109.1 MLAR|XP\_007413111.1 NCRA|XP\_961998.1 SSCL|APA13776.1

>Orthogroup3768: ANID|CBF70328.1 ANID|CBF79849.1 ANID|CBF89122.1 CFRU|XP\_031878154.1 CGLO|KAF3801855.1 CHIG|XP\_018159336.1 CVIN|KAF4901936.1 CVYL|A12852 FGRM|XP\_011322053.1 FGRM|XP\_011322711.1 MGRA|XP\_003856306.1 MORY|QBZ59513.1 NCRA|XP\_960379.1

>Orthogroup3769: ANID|CBF70370.1 BCIN|XP\_001549629.1 CFRU|XP\_031885545.1 CGLO|KAF3798658.1 CHIG|XP\_018157502.1 CVIN|KAF4919445.1 CVYL|A09396 FGRM|XP\_011324787.1 MGRA|XP\_003852317.1 MLAR|XP\_007414113.1 MORY|QBZ64515.1 NCRA|XP\_961753.2 SSCL|APA05338.1

>Orthogroup3770: ANID|CBF70375.1 BCIN|XP\_024550494.1 CFRU|XP\_031888096.1 CGLO|KAF3802282.1 CHIG|XP\_018154381.1 CVIN|KAF4924392.1 CVYL|A10463 FGRM|XP\_011319792.1 MGRA|XP\_003854587.1 MLAR|XP\_007417183.1 MORY|QBZ65797.1 NCRA|XP\_964123.1 SSCL|APA11213.1

>Orthogroup3771: ANID|CBF70379.1 BCIN|XP\_024546486.1 BGRA|VDB95186.1 CFRU|XP\_031878103.1 CGLO|KAF3801869.1 CHIG|XP\_018159341.1 CVIN|KAF4901939.1 CVYL|A02307 FGRM|XP\_011320411.1 MLAR|XP\_007406325.1 MORY|QBZ62867.1 NCRA|XP\_960450.1 SSCL|APA06760.1

>Orthogroup3772: ANID|CBF70381.1 BCIN|XP\_001561404.1 BGRA|VDB90750.1 CFRU|XP\_031888456.1 CGLO|KAF3803486.1 CHIG|XP\_018164016.1 CVIN|KAF4926307.1 CVYL|A14415 FGRM|XP\_011316983.1 MGRA|XP\_003853148.1 MORY|QBZ55338.1 NCRA|XP\_965459.1 SSCL|APA06915.1

>Orthogroup3773: ANID|CBF70410.1 BCIN|XP\_024546749.1 BGRA|VDB95160.1 CFRU|XP\_031880774.1 CGLO|KAF3806939.1 CHIG|XP\_018159651.1 CVIN|KAF4919178.1 CVYL|A06231 FGRM|XP\_011320464.1 MGRA|XP\_003853655.1 MORY|QBZ63993.1 NCRA|XP\_960537.1 SSCL|APA06399.1

>Orthogroup3774: ANID|CBF70426.1 BCIN|XP\_001557856.1 BGRA|VDB92804.1 CFRU|XP\_031887697.1 CGLO|KAF3803217.1 CHIG|XP\_018161062.1 CVIN|KAF4928717.1 CVYL|A03647 FGRM|XP\_011324204.1 MGRA|XP\_003853233.1 MORY|QBZ64606.1 NCRA|XP\_961834.2 SSCL|APA12824.1

>Orthogroup3775: ANID|CBF70430.1 BCIN|XP\_001557860.1 BGRA|VDB89640.1 CFRU|XP\_031887525.1 CGLO|KAF3803214.1 CHIG|XP\_018161060.1 CVIN|KAF4928722.1 CVYL|A03644 MGRA|XP\_003852592.1 MLAR|XP\_007414610.1 MORY|QBZ64609.1 NCRA|XP\_001728150.1 SSCL|APA12821.1

>Orthogroup3776: ANID|CBF70437.1 BCIN|XP\_024553557.1 BGRA|VDB93116.1 CFRU|XP\_031893266.1 CGLO|KAF3800875.1 CHIG|XP\_018150819.1 CVIN|KAF4915568.1 CVYL|A11113 FGRM|XP\_011324443.1 MGRA|XP\_003853111.1 MORY|QBZ54774.1 NCRA|XP\_962476.1 SSCL|APA13898.1

>Orthogroup3777: ANID|CBF70447.1 BCIN|XP\_001546483.1 BGRA|VDB83631.1 CFRU|XP\_031876553.1 CHIG|XP\_018160752.1 CVIN|KAF4926799.1 CVYL|A04703 FGRM|XP\_011317794.1 MGRA|XP\_003852476.1 MLAR|XP\_007413909.1 MORY|QBZ58744.1 NCRA|XP\_962070.1 SSCL|APA08405.1

>Orthogroup3778: ANID|CBF70451.1 BCIN|XP\_001546784.1 BGRA|VCU40126.1 CFRU|XP\_031893240.1 CGLO|KAF3800853.1 CHIG|XP\_018150847.1 CVIN|KAF4915576.1 FGRM|XP\_011328039.1 MGRA|XP\_003855016.1 MLAR|XP\_007411192.1 MORY|QBZ57985.1 NCRA|XP\_011394420.1 SSCL|APA13863.1

>Orthogroup3779: ANID|CBF70461.1 BCIN|XP\_024553434.1 BGRA|VCU40128.1 CFRU|XP\_031893242.1 CGLO|KAF3800855.1 CHIG|XP\_018150849.1 CVIN|KAF4915564.1 CVYL|A11094 FGRM|XP\_011328037.1 MGRA|XP\_003855693.1 MORY|QBZ64750.1 NCRA|XP\_962485.2 SSCL|APA13862.1

>Orthogroup3780: ANID|CBF70470.1 BCIN|XP\_001555498.1 BGRA|VDB86024.1 CFRU|XP\_031891288.1 CGLO|KAF3804708.1 CHIG|XP\_018161779.1 CVIN|KAF4923360.1 CVYL|A05415 FGRM|XP\_011321511.1 MGRA|XP\_003854354.1 MORY|QBZ59663.1 NCRA|XP\_963113.1 SSCL|APA08197.1

>Orthogroup3781: ANID|CBF70495.1 BCIN|XP\_001546002.1 BGRA|VDB86167.1 CFRU|XP\_031877421.1 CGLO|KAF3805325.1 CHIG|XP\_018162026.1 CVIN|KAF4931506.1 CVYL|A11732 FGRM|XP\_011318480.1 MLAR|XP\_007414636.1 MORY|QBZ59612.1 NCRA|XP\_962949.2 SSCL|APA08272.1

>Orthogroup3782: ANID|CBF70533.1 BCIN|XP\_001553818.1 BGRA|VDB93524.1 CFRU|XP\_031879801.1 CGLO|KAF3803028.1 CHIG|XP\_018153573.1 CVIN|KAF4929976.1 CVYL|A00039 FGRM|XP\_011317097.1 MGRA|XP\_003857337.1 MORY|QBZ62985.1 NCRA|XP\_958868.2 SSCL|APA05909.1

>Orthogroup3783: ANID|CBF70535.1 BCIN|XP\_001546000.1 BGRA|VDB86169.1 CFRU|XP\_031891381.1 CGLO|KAF3804718.1 CHIG|XP\_018161796.1 CVIN|KAF4923374.1 CVYL|A05403 FGRM|XP\_011321491.1 MLAR|XP\_007410959.1 MORY|QBZ59658.1 NCRA|XP\_956788.1 SSCL|APA08270.1

>Orthogroup3784: ANID|CBF70542.1 BCIN|XP\_024547900.1 CFRU|XP\_031891284.1 CGLO|KAF3804711.1 CHIG|XP\_018161782.1 CVIN|KAF4923364.1 CVYL|A05411 FGRM|XP\_011321503.1 MGRA|XP\_003854777.1 MLAR|XP\_007414813.1 MORY|QBZ59667.1 NCRA|XP\_962960.3 SSCL|APA08218.1

>Orthogroup3785: ANID|CBF70550.1 BCIN|XP\_001553329.2 BGRA|VDB85760.1 CFRU|XP\_031877193.1 CGLO|KAF3806438.1 CHIG|XP\_018162326.1 CVIN|KAF4918032.1 CVYL|A12035 FGRM|XP\_011323955.1 MGRA|XP\_003854776.1 MORY|QBZ61415.1 NCRA|XP\_963132.1 SSCL|APA15172.1

>Orthogroup3786: ANID|CBF70556.1 BCIN|XP\_024547981.1 BGRA|VCU39368.1 CFRU|XP\_031880560.1 CGLO|KAF3811502.1 CHIG|XP\_018160758.1 CVIN|KAF4926797.1 CVYL|A04707 FGRM|XP\_011317800.1 MGRA|XP\_003853169.1 MORY|QBZ58787.1 NCRA|XP\_962399.1 SSCL|APA08358.1

>Orthogroup3787: ANID|CBF70563.1 BCIN|XP\_024546521.1 BGRA|VDB90620.1 CFRU|XP\_031879814.1 CGLO|KAF3802982.1 CHIG|XP\_018153631.1 CVIN|KAF4929963.1 CVYL|A00414 FGRM|XP\_011320345.1 MGRA|XP\_003850565.1 MORY|QBZ63512.1 NCRA|XP\_963963.1 SSCL|APA06726.1

>Orthogroup3788: ANID|CBF70567.1 BCIN|XP\_001547098.1 BGRA|VCU39363.1 CFRU|XP\_031876546.1 CGLO|KAF3811498.1 CHIG|XP\_018160753.1 CVIN|KAF4926800.1 CVYL|A04704 FGRM|XP\_011317795.1 MLAR|XP\_007406897.1 MORY|QBZ58743.1 NCRA|XP\_011394438.1 SSCL|APA08383.1

>Orthogroup3789: ANID|CBF70569.1 BCIN|XP\_024547808.1 BGRA|VDB84365.1 CFRU|XP\_031886683.1 CGLO|KAF3800273.1 CHIG|XP\_018162760.1 CVIN|KAF4927614.1 CVYL|A06963 FGRM|XP\_011327019.1 MGRA|XP\_003853658.1 MORY|QBZ61330.1 NCRA|XP\_011393914.1 SSCL|APA08105.1

>Orthogroup3790: ANID|CBF70611.1 BCIN|XP\_024550009.1 BGRA|VDB83686.1 CFRU|XP\_031887552.1 CGLO|KAF3811655.1 CHIG|XP\_018160956.1 CVIN|KAF4920154.1 CVYL|A03514 FGRM|XP\_011323595.1 MLAR|XP\_007413487.1 MORY|QBZ64542.1 NCRA|XP\_011394347.1 SSCL|APA05341.1

>Orthogroup3791: ANID|CBF70612.1 BCIN|XP\_001547748.1 BGRA|VCU39317.1 CFRU|XP\_031880517.1 CGLO|KAF3811545.1 CHIG|XP\_018160805.1 CVIN|KAF4926781.1 CVYL|A04757 FGRM|XP\_011324802.1 MLAR|XP\_007409155.1 MORY|QBZ57229.1 NCRA|XP\_962058.2 SSCL|APA05358.1

>Orthogroup3792: ANID|CBF70616.1 BCIN|XP\_001547747.1 BGRA|VCU39316.1 CFRU|XP\_031880520.1 CHIG|XP\_018160806.1 CVIN|KAF4926782.1 CVYL|A04758 FGRM|XP\_011324801.1 MGRA|XP\_003853262.1 MLAR|XP\_007416398.1 MORY|QBZ57228.1 NCRA|XP\_962059.1 SSCL|APA05359.1

>Orthogroup3793: ANID|CBF70626.1 BCIN|XP\_001545545.1 BGRA|VDB94457.1 CFRU|XP\_031886208.1 CGLO|KAF3806580.1 CHIG|XP\_018157619.1 CVIN|KAF4920465.1 CVYL|A09288 FGRM|XP\_011328126.1 MGRA|XP\_003852610.1 MORY|QBZ56375.1 NCRA|XP\_957466.2 SSCL|APA13610.1

>Orthogroup3794: ANID|CBF70646.1 BCIN|XP\_024553372.1 BGRA|VCU40528.1 CFRU|XP\_031886022.1 CGLO|KAF3806577.1 CHIG|XP\_018157615.1 CVIN|KAF4920468.1 CVYL|A09291 FGRM|XP\_011328123.1 MGRA|XP\_003853183.1 MLAR|XP\_007411238.1 NCRA|XP\_957463.1 SSCL|APA13704.1

>Orthogroup3795: ANID|CBF70665.1 BCIN|XP\_001547756.1 BGRA|VCU40107.1 CFRU|XP\_031880576.1 CGLO|KAF3811554.1 CHIG|XP\_018160814.1 CVIN|KAF4926788.1 CVYL|A04767 FGRM|XP\_011324791.1 MLAR|XP\_007408900.1 MORY|QBZ57217.1 NCRA|XP\_962067.1 SSCL|APA05352.1

>Orthogroup3796: ANID|CBF70668.1 BCIN|XP\_001551449.1 CFRU|XP\_031880593.1 CGLO|KAF3811551.1 CHIG|XP\_018160811.1 CVIN|KAF4926783.1 CVYL|A04764 FGRM|XP\_011324795.1 MGRA|XP\_003852407.1 MLAR|XP\_007411955.1 MORY|QBZ57222.1 NCRA|XP\_962064.1 SSCL|APA06175.1

>Orthogroup3797: ANID|CBF70672.1 BCIN|XP\_024546563.1 BGRA|VDB95142.1 CFRU|XP\_031877231.1 CGLO|KAF3806809.1 CHIG|XP\_018159529.1 CVIN|KAF4908877.1 CVYL|A02465 FGRM|XP\_011320503.1 MGRA|XP\_003852655.1 MORY|QBZ61850.1 NCRA|XP\_960489.2 SSCL|APA06787.1

>Orthogroup3798: ANID|CBF70677.1 BCIN|XP\_001549743.1 BGRA|VCU40134.1 CFRU|XP\_031876554.1 CGLO|KAF3811496.1 CHIG|XP\_018160750.1 CVIN|KAF4926750.1 CVYL|A04701 FGRM|XP\_011317792.1 MGRA|XP\_003853136.1 MORY|QBZ56321.1 NCRA|XP\_011394254.1 SSCL|APA13875.1

>Orthogroup3799: ANID|CBF70686.1 BCIN|XP\_001549729.1 CFRU|XP\_031879073.1 CGLO|KAF3798848.1 CHIG|XP\_018151183.1 CVIN|KAF4919611.1 CVYL|A09087 FGRM|XP\_011324240.1 MGRA|XP\_003852653.1 MLAR|XP\_007418170.1 MORY|QBZ59437.1 NCRA|XP\_957030.2 SSCL|APA13890.1

>Orthogroup3800: ANID|CBF70688.1 BCIN|XP\_001549728.1 CFRU|XP\_031879070.1 CGLO|KAF3798847.1 CHIG|XP\_018151184.1 CVIN|KAF4919610.1 CVYL|A09088 FGRM|XP\_011324241.1 MGRA|XP\_003852171.1 MLAR|XP\_007403515.1 MORY|QBZ59436.1 NCRA|XP\_957031.1 SSCL|APA13891.1

>Orthogroup3801: ANID|CBF70698.1 BCIN|XP\_001549387.2 BGRA|VDB93341.1 CFRU|XP\_031892676.1 CGLO|KAF3809128.1 CHIG|XP\_018155966.1 CVIN|KAF4922128.1 CVYL|A01311 FGRM|XP\_011319193.1 MGRA|XP\_003851465.1 MORY|QBZ62012.1 NCRA|XP\_011394761.1 SSCL|APA11568.1

>Orthogroup3802: ANID|CBF70709.1 BCIN|XP\_024546465.1 BGRA|VDB90850.1 CFRU|XP\_031890651.1 CHIG|XP\_018164348.1 CVIN|KAF4919421.1 CVYL|A12142 FGRM|XP\_011316806.1 FGRM|XP\_011319598.1 MGRA|XP\_003851722.1 MORY|QBZ56453.1 NCRA|XP\_011393029.1 SSCL|APA06664.1

>Orthogroup3803: ANID|CBF70733.1 BCIN|XP\_001554457.1 CFRU|XP\_031876371.1 CGLO|KAF3797768.1 CHIG|XP\_018156437.1 CVIN|KAF4918806.1 CVYL|A02987 FGRM|XP\_011318777.1 MGRA|XP\_003851532.1 MLAR|XP\_007410158.1 MORY|QBZ63656.1 NCRA|XP\_960063.1 SSCL|APA12622.1

>Orthogroup3804: ANID|CBF70735.1 BCIN|XP\_024548093.1 CFRU|XP\_031876400.1 CGLO|KAF3797767.1 CHIG|XP\_018156436.1 CVIN|KAF4918805.1 CVYL|A02984 FGRM|XP\_011318779.1 MGRA|XP\_003851815.1 MLAR|XP\_007406176.1 MORY|QBZ63655.1 NCRA|XP\_960062.1 SSCL|APA12621.1

>Orthogroup3805: ANID|CBF70741.1 BCIN|XP\_024548079.1 BGRA|VCU40951.1 CFRU|XP\_031887270.1 CGLO|KAF3809185.1 CHIG|XP\_018156008.1 CVIN|KAF4919832.1 CVYL|A01373 FGRM|XP\_011319067.1 MGRA|XP\_003851453.1 MORY|QBZ62554.1 NCRA|XP\_960837.1 SSCL|APA12740.1

>Orthogroup3806: ANID|CBF70756.1 BCIN|XP\_001557187.1 BGRA|VCU40917.1 CFRU|XP\_031882415.1 CGLO|KAF3809430.1 CHIG|XP\_018156279.1 CVIN|KAF4921399.1 CVYL|A03099 FGRM|XP\_011319052.1 MLAR|XP\_007417811.1 MORY|QBZ59081.1 NCRA|XP\_961343.1 SSCL|APA12521.1

>Orthogroup3807: ANID|CBF70762.1 BCIN|XP\_024548280.1 BGRA|VCU40855.1 CFRU|XP\_031882358.1 CGLO|KAF3809435.1 CHIG|XP\_018156282.1 CVIN|KAF4921379.1 CVYL|A03105 FGRM|XP\_011319047.1 MGRA|XP\_003851959.1 MORY|QBZ57403.1 NCRA|XP\_961348.2 SSCL|APA12527.1

>Orthogroup3808: ANID|CBF70766.1 BCIN|XP\_001556045.1 BGRA|VCU39895.1 CFRU|XP\_031880229.1 CGLO|KAF3809002.1 CHIG|XP\_018155847.1 CVIN|KAF4918014.1 CVYL|A01502 FGRM|XP\_011319361.1 MLAR|XP\_007404886.1 MORY|QBZ58078.1 NCRA|XP\_960795.1 SSCL|APA13959.1

>Orthogroup3809: ANID|CBF70774.1 BCIN|XP\_001550742.1 BGRA|VCU41008.1 CFRU|XP\_031883129.1 CHIG|XP\_018163113.1 CVIN|KAF4924070.1 CVYL|A00653 FGRM|XP\_011326153.1 MGRA|XP\_003852450.1 MLAR|XP\_007411272.1 MORY|QBZ57916.1 NCRA|XP\_959308.3 SSCL|APA15297.1

>Orthogroup3810: ANID|CBF70783.1 BCIN|XP\_024553925.1 BGRA|VCU41006.1 CFRU|XP\_031883096.1 CGLO|KAF3808321.1 CHIG|XP\_018163114.1 CVIN|KAF4924065.1 CVYL|A00652 FGRM|XP\_011326154.1 MGRA|XP\_003853235.1 MORY|QBZ57917.1 NCRA|XP\_959307.3 SSCL|APA15298.1

>Orthogroup3811: ANID|CBF70810.1 BCIN|XP\_001557542.1 BGRA|VDB93337.1 CFRU|XP\_031892783.1 CGLO|KAF3809059.1 CHIG|XP\_018155878.1 CVIN|KAF4910467.1 CVYL|A01272 FGRM|XP\_011319130.1 MGRA|XP\_003851719.1 MORY|QBZ62449.1 NCRA|XP\_958285.1 SSCL|APA12356.1

>Orthogroup3812: ANID|CBF70814.1 BCIN|XP\_024548364.1 BGRA|VDB93336.1 CFRU|XP\_031892488.1 CGLO|KAF3809060.1 CHIG|XP\_018155879.1 CVIN|KAF4910477.1 CVYL|A01271 FGRM|XP\_011319131.1 MGRA|XP\_003851439.1 MORY|QBZ62462.1 NCRA|XP\_958286.1 SSCL|APA12355.1

>Orthogroup3813: ANID|CBF70815.1 BCIN|XP\_001550932.2 BGRA|VDB89281.1 CFRU|XP\_031876389.1 CGLO|KAF3797782.1 CHIG|XP\_018156453.1 CVIN|KAF4923135.1 CVYL|A03004 FGRM|XP\_011318762.1 MGRA|XP\_003851755.1 MORY|QBZ63503.1 NCRA|XP\_011395054.1 SSCL|APA12376.1

>Orthogroup3814: ANID|CBF70819.1 BCIN|XP\_024548141.1 CFRU|XP\_031876392.1 CGLO|KAF3797778.1 CHIG|XP\_018156449.1 CVIN|KAF4923179.1 CVYL|A03000 FGRM|XP\_011318766.1 MGRA|XP\_003851684.1 MLAR|XP\_007409135.1 MORY|QBZ63510.1 NCRA|XP\_011394896.1 SSCL|APA12377.1

>Orthogroup3815: ANID|CBF70825.1 BCIN|XP\_001548140.1 BGRA|VDB88108.1 CFRU|XP\_031887151.1 CGLO|KAF3809223.1 CHIG|XP\_018156050.1 CVIN|KAF4925334.1 CVYL|A01412 FGRM|XP\_011319059.1 MLAR|XP\_007413063.1 MORY|QBZ59075.1 NCRA|XP\_960835.1 SSCL|APA12749.1

>Orthogroup3816: ANID|CBF70843.1 BCIN|XP\_024547836.1 BGRA|VCU40199.1 CFRU|XP\_031877746.1 CGLO|KAF3796944.1 CHIG|XP\_018162391.1 CVIN|KAF4911636.1 CVYL|A07321 FGRM|XP\_011318553.1 MGRA|XP\_003850343.1 MORY|QBZ62836.1 NCRA|XP\_011393751.1 SSCL|APA08145.1

>Orthogroup3817: ANID|CBF70852.1 BCIN|XP\_001550846.1 BGRA|VDB84427.1 CFRU|XP\_031877766.1 CGLO|KAF3810673.1 CHIG|XP\_018162430.1 CVIN|KAF4916940.1 CVYL|A07288 FGRM|XP\_011318441.1 MGRA|XP\_003850466.1 MORY|QBZ55710.1 NCRA|XP\_962930.1 SSCL|APA15370.1

>Orthogroup3818: ANID|CBF70854.1 BCIN|XP\_001550847.1 BGRA|VDB84429.1 CFRU|XP\_031877765.1 CGLO|KAF3810672.1 CHIG|XP\_018162429.1 CVIN|KAF4916939.1 CVYL|A07289 FGRM|XP\_011318440.1 MLAR|XP\_007413323.1 MORY|QBZ55709.1 NCRA|XP\_011393890.1 SSCL|APA15369.1

>Orthogroup3819: ANID|CBF70859.1 BCIN|XP\_001550838.1 CFRU|XP\_031877762.1 CGLO|KAF3810669.1 CHIG|XP\_018162425.1 CVIN|KAF4916952.1 CVYL|A07292 FGRM|XP\_011318436.1 MGRA|XP\_003849905.1 MLAR|XP\_007411368.1 MORY|QBZ55706.1 NCRA|XP\_962926.1 SSCL|APA15335.1

>Orthogroup3820: ANID|CBF70863.1 BCIN|XP\_024553975.1 CFRU|XP\_031886954.1 CGLO|KAF3811248.1 CHIG|XP\_018160472.1 CVIN|KAF4931244.1 CVYL|A04415 FGRM|XP\_011327098.1 MGRA|XP\_003850512.1 MLAR|XP\_007407027.1 MORY|QBZ64767.1 NCRA|XP\_011394631.1 SSCL|APA15410.1

>Orthogroup3821: ANID|CBF70895.1 BCIN|XP\_024553869.1 BGRA|VDB84398.1 CFRU|XP\_031880760.1 CHIG|XP\_018160453.1 CVIN|KAF4931247.1 CVYL|A04360 FGRM|XP\_011327068.1 MGRA|XP\_003850056.1 MLAR|XP\_007413211.1 MORY|QBZ56892.1 NCRA|XP\_961556.1 SSCL|APA15215.1

>Orthogroup3822: ANID|CBF70916.1 BCIN|XP\_024554002.1 CFRU|XP\_031891161.1 CGLO|KAF3804491.1 CHIG|XP\_018160319.1 CVIN|KAF4930973.1 CVYL|A04205 FGRM|XP\_011324753.1 MGRA|XP\_003848946.1 MLAR|XP\_007409266.1 MORY|QBZ64698.1 NCRA|XP\_961202.1 SSCL|APA15380.1

>Orthogroup3823: ANID|CBF70921.1 BCIN|XP\_024547717.1 BGRA|VDB86247.1 CFRU|XP\_031877794.1 CGLO|KAF3810650.1 CHIG|XP\_018162403.1 CVIN|KAF4911632.1 FGRM|XP\_011318540.1 MGRA|XP\_003848852.1 MLAR|XP\_007412210.1 MORY|QBZ55728.1 NCRA|XP\_011394006.1 SSCL|APA07950.1

>Orthogroup3824: ANID|CBF70939.1 BCIN|XP\_024547714.1 BGRA|VDB86040.1 CFRU|XP\_031887048.1 CGLO|KAF3811261.1 CHIG|XP\_018160482.1 CVIN|KAF4931281.1 CVYL|A04402 FGRM|XP\_011326927.1 MGRA|XP\_003850109.1 MORY|QBZ58102.1 NCRA|XP\_961385.1 SSCL|APA07944.1

>Orthogroup3825: ANID|CBF70945.1 BCIN|XP\_001560637.2 BGRA|VDB86023.1 CFRU|XP\_031886866.1 CGLO|KAF3811251.1 CHIG|XP\_018160473.1 CVIN|KAF4931242.1 CVYL|A04413 FGRM|XP\_011326686.1 MLAR|XP\_007412130.1 MORY|QBZ58107.1 NCRA|XP\_961390.2 SSCL|APA07939.1

>Orthogroup3826: ANID|CBF70960.1 BCIN|XP\_024553787.1 BGRA|VDB85716.1 CFRU|XP\_031880663.1 CGLO|KAF3811180.1 CHIG|XP\_018159503.1 CVIN|KAF4931288.1 CVYL|A04343 FGRM|XP\_011323702.1 MGRA|XP\_003855473.1 MORY|QBZ64675.1 NCRA|XP\_960893.1 SSCL|APA15162.1

>Orthogroup3827: ANID|CBF70970.1 BCIN|XP\_024554063.1 BGRA|VDB84336.1 CFRU|XP\_031880741.1 CHIG|XP\_018160412.1 CVIN|KAF4931233.1 CVYL|A04332 FGRM|XP\_011324721.1 MGRA|XP\_003855388.1 MLAR|XP\_007409824.1 MORY|QBZ64694.1 NCRA|XP\_961200.2 SSCL|APA15365.1

>Orthogroup3828: ANID|CBF70974.1 BCIN|XP\_001560638.2 BGRA|VDB86022.1 CFRU|XP\_031886985.1 CGLO|KAF3811252.1 CHIG|XP\_018160474.1 CVIN|KAF4931241.1 CVYL|A04412 FGRM|XP\_011327099.1 MGRA|XP\_003855018.1 MORY|QBZ58106.1 NCRA|XP\_961389.1 SSCL|APA07940.1

>Orthogroup3829: ANID|CBF70979.1 BCIN|XP\_001560640.1 BGRA|VDB86019.1 CFRU|XP\_031886935.1 CGLO|KAF3811254.1 CHIG|XP\_018160476.1 CVIN|KAF4931239.1 CVYL|A04410 FGRM|XP\_011326442.1 MGRA|XP\_003855475.1 MORY|QBZ58104.1 NCRA|XP\_961387.1 SSCL|APA07942.1

>Orthogroup3830: ANID|CBF70981.1 BCIN|XP\_001555056.1 CFRU|XP\_031886428.1 CGLO|KAF3806309.1 CHIG|XP\_018162142.1 CVIN|KAF4923943.1 CVYL|A11901 FGRM|XP\_011326604.1 MGRA|XP\_003850106.1 MLAR|XP\_007411323.1 MORY|QBZ61526.1 NCRA|XP\_957304.3 SSCL|APA07817.1

>Orthogroup3831: ANID|CBF70987.1 BCIN|XP\_001555061.1 BGRA|VDB85866.1 CFRU|XP\_031886429.1 CGLO|KAF3806307.1 CHIG|XP\_018162140.1 CVIN|KAF4923940.1 CVYL|A11898 FGRM|XP\_011326607.1 MGRA|XP\_003855222.1 MORY|QBZ61393.1 NCRA|XP\_011393838.1 SSCL|APA07819.1

>Orthogroup3832: ANID|CBF70991.1 BCIN|XP\_024547812.1 BGRA|VDB86193.1 CFRU|XP\_031886862.1 CGLO|KAF3811404.1 CHIG|XP\_018160642.1 CVIN|KAF4919679.1 CVYL|A04599 FGRM|XP\_011327168.1 MLAR|XP\_007415767.1 MORY|QBZ54278.1 NCRA|XP\_961214.1 SSCL|APA08111.1

>Orthogroup3833: ANID|CBF70996.1 BCIN|XP\_024547813.1 BGRA|VDB86181.1 CFRU|XP\_031887001.1 CGLO|KAF3811408.1 CHIG|XP\_018160646.1 CVIN|KAF4919718.1 CVYL|A04602 FGRM|XP\_011327172.1 MGRA|XP\_003855316.1 MORY|QBZ54273.1 NCRA|XP\_961219.2 SSCL|APA08114.1

>Orthogroup3834: ANID|CBF70998.1 BCIN|XP\_001555369.1 BGRA|VDB86182.1 CFRU|XP\_031886993.1 CHIG|XP\_018160647.1 CVIN|KAF4919713.1 CVYL|A04604 FGRM|XP\_011327173.1 MGRA|XP\_003855060.1 MLAR|XP\_007416165.1 MORY|QBZ54272.1 NCRA|XP\_011394605.1 SSCL|APA08115.1

>Orthogroup3835: ANID|CBF71000.1 BCIN|XP\_024547814.1 BGRA|VDB86183.1 CFRU|XP\_031886996.1 CHIG|XP\_018160648.1 CVIN|KAF4919710.1 CVYL|A04605 FGRM|XP\_011327174.1 MGRA|XP\_003850347.1 MLAR|XP\_007415333.1 MORY|QBZ54271.1 NCRA|XP\_960593.1 SSCL|APA08116.1

>Orthogroup3836: ANID|CBF71011.1 BCIN|XP\_024547601.1 CFRU|XP\_031887047.1 CGLO|KAF3811260.1 CHIG|XP\_018160481.1 CVIN|KAF4931178.1 CVYL|A04403 FGRM|XP\_011323636.1 MGRA|XP\_003850017.1 MLAR|XP\_007416155.1 MORY|QBZ63409.1 NCRA|XP\_961551.1 SSCL|APA07803.1

>Orthogroup3837: ANID|CBF71021.1 BCIN|XP\_001560819.1 BGRA|VDB94793.1 CFRU|XP\_031877798.1 CGLO|KAF3796950.1 CHIG|XP\_018162398.1 CVIN|KAF4911623.1 CVYL|A07314 FGRM|XP\_011318545.1 MLAR|XP\_007418055.1 MORY|QBZ61370.1 NCRA|XP\_956660.1 SSCL|APA08053.1

>Orthogroup3838: ANID|CBF71023.1 BCIN|XP\_024547929.1 BGRA|VDB86249.1 CHIG|XP\_018162406.1 CVIN|KAF4911619.1 CVYL|A07310 FGRM|XP\_011318537.1 MGRA|XP\_003849917.1 MLAR|XP\_007404375.1 MLAR|XP\_007409244.1 MORY|QBZ55725.1 NCRA|XP\_956189.2 SSCL|APA08260.1

>Orthogroup3839: ANID|CBF71031.1 BCIN|XP\_024547926.1 BGRA|VDB86234.1 CFRU|XP\_031877754.1 CGLO|KAF3810653.1 CHIG|XP\_018162407.1 CVIN|KAF4911620.1 CVYL|A07308 FGRM|XP\_011318536.1 MLAR|XP\_007409962.1 MORY|QBZ55724.1 NCRA|XP\_011393762.1 SSCL|APA08251.1

>Orthogroup3840: ANID|CBF71038.1 BCIN|XP\_024547923.1 BGRA|VDB86238.1 CFRU|XP\_031877792.1 CGLO|KAF3810655.1 CHIG|XP\_018162409.1 CVIN|KAF4911621.1 CVYL|A07307 FGRM|XP\_011318533.1 MLAR|XP\_007414912.1 MORY|QBZ55719.1 NCRA|XP\_963073.2 SSCL|APA08249.1

>Orthogroup3841: ANID|CBF71043.1 BCIN|XP\_001550717.1 BGRA|VCU39943.1 CFRU|XP\_031886293.1 CGLO|KAF3806177.1 CHIG|XP\_018162164.1 CVIN|KAF4931551.1 CVYL|A11763 FGRM|XP\_011324086.1 MGRA|XP\_003849217.1 MORY|QBZ62955.1 NCRA|XP\_957138.1 SSCL|APA15315.1

>Orthogroup3842: ANID|CBF71047.1 BCIN|XP\_024547897.1 BGRA|VDB84447.1 CFRU|XP\_031886404.1 CGLO|KAF3806298.1 CHIG|XP\_018162251.1 CVIN|KAF4923982.1 CVYL|A11891 FGRM|XP\_011326348.1 MGRA|XP\_003855248.1 MORY|QBZ59302.1 NCRA|XP\_011393926.1 SSCL|APA08215.1

>Orthogroup3843: ANID|CBF71049.1 BCIN|XP\_001553374.1 BGRA|VDB84299.1 CFRU|XP\_031886508.1 CGLO|KAF3806333.1 CHIG|XP\_018162123.1 CVIN|KAF4908665.1 CVYL|A11921 FGRM|XP\_011324147.1 MGRA|XP\_003855249.1 MORY|QBZ59303.1 NCRA|XP\_957148.1 SSCL|APA15144.1

>Orthogroup3844: ANID|CBF71051.1 BCIN|XP\_024547582.1 BGRA|VDB86157.1 CFRU|XP\_031882186.1 CGLO|KAF3804423.1 CHIG|XP\_018160245.1 CVIN|KAF4930886.1 CVYL|A04128 FGRM|XP\_011326886.1 MGRA|XP\_003854850.1 MORY|QBZ64746.1 NCRA|XP\_011394612.1 SSCL|APA07832.1

>Orthogroup3845: ANID|CBF71053.1 BCIN|XP\_024547583.1 BGRA|VDB86156.1 CFRU|XP\_031882189.1 CGLO|KAF3804422.1 CHIG|XP\_018160244.1 CVIN|KAF4930887.1 CVYL|A04127 FGRM|XP\_011326888.1 MGRA|XP\_003855098.1 MLAR|XP\_007414428.1 NCRA|XP\_960866.1 SSCL|APA07831.1

>Orthogroup3846: ANID|CBF71057.1 BCIN|XP\_001550715.1 BGRA|VDB84346.1 CFRU|XP\_031886370.1 CGLO|KAF3806399.1 CHIG|XP\_018162276.1 CVIN|KAF4923250.1 CVYL|A11991 FGRM|XP\_011326571.1 MLAR|XP\_007415883.1 MORY|QBZ59295.1 NCRA|XP\_959020.1 SSCL|APA15317.1

>Orthogroup3847: ANID|CBF71066.1 BCIN|XP\_001549157.1 BGRA|VDB84439.1 CFRU|XP\_031886223.1 CGLO|KAF3806300.1 CHIG|XP\_018162254.1 CVIN|KAF4923980.1 CVYL|A11893 FGRM|XP\_011326345.1 MLAR|XP\_007418013.1 MORY|QBZ62823.1 NCRA|XP\_959022.1 SSCL|APA15385.1

>Orthogroup3848: ANID|CBF71070.1 BCIN|XP\_024553941.1 BGRA|VDB84344.1 CFRU|XP\_031886386.1 CGLO|KAF3806398.1 CHIG|XP\_018162274.1 CVIN|KAF4923226.1 CVYL|A11990 FGRM|XP\_011326570.1 MGRA|XP\_003849092.1 MORY|QBZ59296.1 NCRA|XP\_001728029.2 SSCL|APA15318.1

>Orthogroup3849: ANID|CBF71079.1 BCIN|XP\_001553365.1 CFRU|XP\_031880679.1 CGLO|KAF3811187.1 CHIG|XP\_018160408.1 CVIN|KAF4931225.1 CVYL|A04350 FGRM|XP\_011323738.1 MGRA|XP\_003855237.1 MLAR|XP\_007413137.1 MORY|QBZ64683.1 NCRA|XP\_960886.1 SSCL|APA15137.1

>Orthogroup3850: ANID|CBF71081.1 BCIN|XP\_024553764.1 CFRU|XP\_031880681.1 CGLO|KAF3811188.1 CHIG|XP\_018160409.1 CVIN|KAF4931222.1 CVYL|A04351 FGRM|XP\_011323729.1 MGRA|XP\_003855238.1 MLAR|XP\_007416257.1 MORY|QBZ64684.1 NCRA|XP\_011394839.1 SSCL|APA15145.1

>Orthogroup3851: ANID|CBF71087.1 BCIN|XP\_001550782.1 BGRA|VDB84338.1 CFRU|XP\_031880738.1 CGLO|KAF3811165.1 CHIG|XP\_018159485.1 CVIN|KAF4931227.1 CVYL|A04326 FGRM|XP\_011324723.1 MGRA|XP\_003848915.1 MORY|QBZ64693.1 NCRA|XP\_961199.1 SSCL|APA15364.1

>Orthogroup3852: ANID|CBF71104.1 BCIN|XP\_024554037.1 CFRU|XP\_031880737.1 CGLO|KAF3811166.1 CHIG|XP\_018159486.1 CVIN|KAF4931228.1 CVYL|A04327 FGRM|XP\_011323726.1 MGRA|XP\_003848950.1 MLAR|XP\_007410375.1 MORY|QBZ64669.1 NCRA|XP\_011394602.1 SSCL|APA15347.1

>Orthogroup3853: ANID|CBF71106.1 BCIN|XP\_001549161.1 BGRA|VDB85939.1 CFRU|XP\_031882234.1 CGLO|KAF3804486.1 CHIG|XP\_018160315.1 CVIN|KAF4930922.1 CVYL|A04201 FGRM|XP\_011326918.1 MGRA|XP\_003856432.1 MORY|QBZ57062.1 NCRA|XP\_961372.1 SSCL|APA15391.1

>Orthogroup3854: ANID|CBF71133.1 BCIN|XP\_024550859.1 BGRA|VDB88161.1 CFRU|XP\_031888170.1 CHIG|XP\_018154268.1 CVIN|KAF4912412.1 CVYL|A03273 FGRM|XP\_011320192.1 MGRA|XP\_003856378.1 MLAR|XP\_007409604.1 MORY|QBZ66122.1 NCRA|XP\_965775.1 SSCL|APA11785.1

>Orthogroup3855: ANID|CBF71135.1 BCIN|XP\_001551608.1 CFRU|XP\_031888169.1 CGLO|KAF3802121.1 CHIG|XP\_018154267.1 CVIN|KAF4912411.1 CVYL|A03274 FGRM|XP\_011320193.1 MGRA|XP\_003856379.1 MLAR|XP\_007418571.1 MORY|QBZ66121.1 NCRA|XP\_011392799.1 SSCL|APA11786.1

>Orthogroup3856: ANID|CBF71137.1 BCIN|XP\_024546402.1 BGRA|VDB92884.1 CFRU|XP\_031888413.1 CGLO|KAF3803666.1 CHIG|XP\_018163793.1 CVIN|KAF4928558.1 CVYL|A14598 FGRM|XP\_011317042.1 MGRA|XP\_003850653.1 MORY|QBZ54657.1 NCRA|XP\_960561.1 SSCL|APA07219.1

>Orthogroup3857: ANID|CBF71140.1 ANID|CBF86339.1 BCIN|XP\_024550860.1 BGRA|VDB88226.1 CFRU|XP\_031891560.1 CGLO|KAF3797377.1 CHIG|XP\_018157133.1 CVIN|KAF4929331.1 CVYL|A10312 FGRM|XP\_011320081.1 MORY|QBZ65989.1 NCRA|XP\_964909.1 SSCL|APA11789.1

>Orthogroup3858: ANID|CBF71148.1 BCIN|XP\_024550873.1 CFRU|XP\_031885397.1 CGLO|KAF3799498.1 CHIG|XP\_018155773.1 CVIN|KAF4931783.1 CVYL|A13358 FGRM|XP\_011323789.1 MGRA|XP\_003852772.1 MLAR|XP\_007407060.1 MORY|QBZ55468.1 NCRA|XP\_960840.2 SSCL|APA11801.1

>Orthogroup3859: ANID|CBF71159.1 BCIN|XP\_024552126.1 BGRA|VDB93385.1 CFRU|XP\_031880833.1 CGLO|KAF3806962.1 CHIG|XP\_018159631.1 CVIN|KAF4919146.1 CVYL|A06252 FGRM|XP\_011315923.1 MGRA|XP\_003853321.1 MLAR|XP\_007416994.1 NCRA|XP\_956564.1 SSCL|APA12954.1

>Orthogroup3860: ANID|CBF71174.1 BCIN|XP\_024550664.1 BGRA|VDB83935.1 CFRU|XP\_031881679.1 CGLO|KAF3805402.1 CHIG|XP\_018156706.1 CVIN|KAF4917765.1 CVYL|A11049 FGRM|XP\_011315788.1 MGRA|XP\_003857403.1 MORY|QBZ66183.1 NCRA|XP\_011392957.1 SSCL|APA11493.1

>Orthogroup3861: ANID|CBF71200.1 ANID|CBF79033.1 BCIN|XP\_024549190.1 CFRU|XP\_031881491.1 CFRU|XP\_031889593.1 CGLO|KAF3805783.1 CGLO|KAF3809470.1 CHIG|XP\_018155414.1 CVIN|KAF4926575.1 CVYL|A06037 FGRM|XP\_011319413.1 FGRM|XP\_011324403.1 NCRA|XP\_960128.3

>Orthogroup3862: ANID|CBF71209.1 BCIN|XP\_024551183.1 CFRU|XP\_031878252.1 CFRU|XP\_031887787.1 CGLO|KAF3808481.1 CHIG|XP\_018159975.1 CVYL|A03670 FGRM|XP\_011315840.1 FGRM|XP\_011321833.1 MORY|QBZ56799.1 MORY|QBZ58494.1 MORY|QBZ65497.1 MORY|QBZ66653.1

>Orthogroup3863: ANID|CBF71213.1 BCIN|XP\_024549495.1 CFRU|XP\_031876806.1 CFRU|XP\_031884795.1 CGLO|KAF3800983.1 CHIG|XP\_018159911.1 CHIG|XP\_018161406.1 CHIG|XP\_018161832.1 CVIN|KAF4913264.1 CVYL|A05923 FGRM|XP\_011317612.1 FGRM|XP\_011318107.1 MGRA|XP\_003848812.1

>Orthogroup3864: ANID|CBF71226.1 BCIN|XP\_024551489.1 BGRA|VCU41050.1 CFRU|XP\_031878428.1 CGLO|KAF3802648.1 CHIG|XP\_018162513.1 CVIN|KAF4932014.1 CVYL|A07147 FGRM|XP\_011326966.1 MGRA|XP\_003852935.1 MORY|QBZ55676.1 NCRA|XP\_956156.1 SSCL|APA10388.1

>Orthogroup3865: ANID|CBF71239.1 BCIN|XP\_024549424.1 BGRA|VDB90953.1 CFRU|XP\_031888604.1 CGLO|KAF3803679.1 CHIG|XP\_018163783.1 CVIN|KAF4928509.1 CVYL|A14610 FGRM|XP\_011326744.1 MGRA|XP\_003853104.1 MORY|QBZ62983.1 NCRA|XP\_964045.3 SSCL|APA09090.1

>Orthogroup3866: ANID|CBF71245.1 BCIN|XP\_024549425.1 BGRA|VDB90907.1 CFRU|XP\_031888600.1 CGLO|KAF3803676.1 CHIG|XP\_018163779.1 CVIN|KAF4928512.1 CVYL|A14607 FGRM|XP\_011326749.1 MLAR|XP\_007418498.1 MORY|QBZ55526.1 NCRA|XP\_963891.1 SSCL|APA09093.1

>Orthogroup3867: ANID|CBF71253.1 BCIN|XP\_024553405.1 CFRU|XP\_031877105.1 CGLO|KAF3803974.1 CHIG|XP\_018150969.1 CVIN|KAF4925184.1 CVYL|A08827 FGRM|XP\_011323459.1 MGRA|XP\_003848773.1 MLAR|XP\_007407318.1 MORY|QBZ56821.1 NCRA|XP\_962608.1 SSCL|APA13745.1

>Orthogroup3868: ANID|CBF71271.1 BCIN|XP\_024553403.1 BGRA|VDB83637.1 CFRU|XP\_031882631.1 CGLO|KAF3803953.1 CHIG|XP\_018150991.1 CVIN|KAF4925196.1 CVYL|A08849 FGRM|XP\_011323455.1 MLAR|XP\_007409159.1 MORY|QBZ54790.1 NCRA|XP\_001728192.1 SSCL|APA13748.1

>Orthogroup3869: ANID|CBF71287.1 BCIN|XP\_001558330.1 BGRA|VDB83657.1 CFRU|XP\_031876555.1 CGLO|KAF3811480.1 CHIG|XP\_018160733.1 CVIN|KAF4907415.1 CVYL|A04684 FGRM|XP\_011317776.1 MGRA|XP\_003848758.1 MORY|QBZ56560.1 NCRA|XP\_962673.1 SSCL|APA13709.1

>Orthogroup3870: ANID|CBF71289.1 BCIN|XP\_001558331.1 BGRA|VDB83658.1 CFRU|XP\_031880610.1 CGLO|KAF3811520.1 CHIG|XP\_018160777.1 CVIN|KAF4926737.1 CVYL|A04729 FGRM|XP\_011327899.1 MGRA|XP\_003849159.1 MORY|QBZ58854.1 NCRA|XP\_955825.2 SSCL|APA13710.1

>Orthogroup3871: ANID|CBF71298.1 BCIN|XP\_001547201.2 CFRU|XP\_031880972.1 CGLO|KAF3809893.1 CHIG|XP\_018161480.1 CVIN|KAF4930633.1 CVYL|A01725 FGRM|XP\_011321403.1 MGRA|XP\_003849031.1 MLAR|XP\_007414344.1 MORY|QBZ65224.1 NCRA|XP\_962965.1 SSCL|APA13173.1

>Orthogroup3872: ANID|CBF71300.1 BCIN|XP\_024549098.1 BGRA|VCU38962.1 CFRU|XP\_031887460.1 CGLO|KAF3803323.1 CHIG|XP\_018161175.1 CVIN|KAF4919280.1 CVYL|A03760 FGRM|XP\_011321359.1 MGRA|XP\_003849216.1 MORY|QBZ56685.1 NCRA|XP\_961791.1 SSCL|APA15919.1

>Orthogroup3873: ANID|CBF71321.1 BCIN|XP\_024548066.1 BGRA|VDB93019.1 CFRU|XP\_031881882.1 CGLO|KAF3800654.1 CHIG|XP\_018152025.1 CVIN|KAF4922025.1 CVYL|A13062 MGRA|XP\_003856397.1 MLAR|XP\_007405340.1 MORY|QBZ62128.1 NCRA|XP\_956242.3 SSCL|APA12764.1

>Orthogroup3874: ANID|CBF71337.1 BCIN|XP\_001545761.1 CFRU|XP\_031885474.1 CGLO|KAF3799483.1 CHIG|XP\_018154468.1 CVIN|KAF4931885.1 CVYL|A13345 FGRM|XP\_011321196.1 MGRA|XP\_003856442.1 MLAR|XP\_007412536.1 MORY|QBZ57263.1 NCRA|XP\_963536.2 SSCL|APA16200.1

>Orthogroup3875: ANID|CBF71344.1 ANID|CBF71770.1 BCIN|XP\_024550004.1 CFRU|XP\_031879579.1 CGLO|KAF3802694.1 CHIG|XP\_018151481.1 CVYL|A08019 FGRM|XP\_011327271.1 MGRA|XP\_003852250.1 MGRA|XP\_003853577.1 MORY|QBZ56876.1 NCRA|XP\_959265.1 SSCL|APA05330.1

>Orthogroup3876: ANID|CBF71356.1 BCIN|XP\_024549849.1 BGRA|VDB88122.1 CFRU|XP\_031876724.1 CGLO|KAF3798689.1 CVIN|KAF4918486.1 CVYL|A09427 FGRM|XP\_011318711.1 MGRA|XP\_003852202.1 MLAR|XP\_007407414.1 MORY|QBZ56250.1 NCRA|XP\_962388.1 SSCL|APA05515.1

>Orthogroup3877: ANID|CBF71359.1 BCIN|XP\_024549659.1 BGRA|VCU40094.1 CFRU|XP\_031880575.1 CGLO|KAF3811555.1 CHIG|XP\_018160815.1 CVIN|KAF4926728.1 CVYL|A04768 FGRM|XP\_011324842.1 MGRA|XP\_003852331.1 MORY|QBZ57251.1 NCRA|XP\_962012.1 SSCL|APA06186.1

>Orthogroup3878: ANID|CBF71361.1 BCIN|XP\_001549727.1 BGRA|VCU40609.1 CFRU|XP\_031879071.1 CGLO|KAF3798846.1 CHIG|XP\_018151185.1 CVYL|A09089 FGRM|XP\_011324242.1 MGRA|XP\_003852481.1 MLAR|XP\_007418601.1 MORY|QBZ59435.1 NCRA|XP\_957032.1 SSCL|APA13892.1

>Orthogroup3879: ANID|CBF71365.1 BCIN|XP\_001548448.2 BGRA|VCU39334.1 CFRU|XP\_031879012.1 CGLO|KAF3798871.1 CHIG|XP\_018151189.1 CVIN|KAF4920302.1 CVYL|A09064 FGRM|XP\_011324245.1 MGRA|XP\_003850118.1 MGRA|XP\_003852333.1 MORY|QBZ59224.1 NCRA|XP\_011394448.1

>Orthogroup3880: ANID|CBF71376.1 BCIN|XP\_001556400.2 CFRU|XP\_031887085.1 CFRU|XP\_031891018.1 CGLO|KAF3811438.1 CHIG|XP\_018156637.1 CHIG|XP\_018156638.1 CHIG|XP\_018160680.1 CVIN|KAF4917852.1 CVYL|A04637 FGRM|XP\_011323448.1 MGRA|XP\_003851322.1 MORY|QBZ64093.1

>Orthogroup3881: ANID|CBF71388.1 BCIN|XP\_001561154.1 CFRU|XP\_031884052.1 CFRU|XP\_031889775.1 CGLO|KAF3810426.1 CGLO|KAF3810824.1 CHIG|XP\_018159192.1 CHIG|XP\_018163423.1 CVIN|KAF4924643.1 CVIN|KAF4927443.1 CVYL|A06466 CVYL|A13689 SSCL|APA07092.1

>Orthogroup3882: ANID|CBF71413.1 ANID|CBF80129.1 ANID|CBF84259.1 BCIN|XP\_024550103.1 CFRU|XP\_031875800.1 CGLO|KAF3801779.1 CHIG|XP\_018159284.1 CVIN|KAF4922950.1 CVYL|A12927 FGRM|XP\_011323340.1 FGRM|XP\_011325965.1 MORY|QBZ53425.1 NCRA|XP\_959096.1

>Orthogroup3883: ANID|CBF71516.1 BCIN|XP\_001549114.1 CFRU|XP\_031891754.1 CGLO|KAF3800102.1 CHIG|XP\_018165041.1 CVIN|KAF4925824.1 CVYL|A06794 FGRM|XP\_011322858.1 MLAR|XP\_007410128.1 MLAR|XP\_007411553.1 MLAR|XP\_007412387.1 NCRA|XP\_963385.2 SSCL|APA06234.1

>Orthogroup3884: ANID|CBF71519.1 BCIN|XP\_001552696.1 BGRA|VDB88695.1 CFRU|XP\_031892217.1 CGLO|KAF3809720.1 CHIG|XP\_018164922.1 CVIN|KAF4921965.1 CVYL|A06644 FGRM|XP\_011325459.1 MGRA|XP\_003853009.1 MORY|QBZ64324.1 NCRA|XP\_959943.2 SSCL|APA14103.1

>Orthogroup3885: ANID|CBF71535.1 BCIN|XP\_024550133.1 BGRA|VDB94906.1 CFRU|XP\_031887141.1 CGLO|KAF3811356.1 CHIG|XP\_018160577.1 CVIN|KAF4921026.1 CVYL|A04545 FGRM|XP\_011326864.1 MGRA|XP\_003855354.1 MORY|QBZ57003.1 NCRA|XP\_961517.1 SSCL|APA10794.1

>Orthogroup3886: ANID|CBF71543.1 BCIN|XP\_001554658.1 BGRA|VDB94754.1 CFRU|XP\_031891494.1 CGLO|KAF3804536.1 CHIG|XP\_018160393.1 CVIN|KAF4924481.1 CVYL|A04254 FGRM|XP\_011326707.1 MGRA|XP\_003848907.1 MORY|QBZ64725.1 NCRA|XP\_955849.1 SSCL|APA11033.1

>Orthogroup3887: ANID|CBF71551.1 ANID|CBF82846.1 BCIN|XP\_024552100.1 CFRU|XP\_031876738.1 CGLO|KAF3798696.1 CHIG|XP\_018157458.1 CVIN|KAF4918463.1 CVYL|A09434 FGRM|XP\_011320886.1 MGRA|XP\_003854845.1 MORY|QBZ56691.1 NCRA|XP\_962712.2 SSCL|APA12928.1

>Orthogroup3888: ANID|CBF71568.1 BCIN|XP\_024547795.1 BGRA|VDB94920.1 CFRU|XP\_031886846.1 CHIG|XP\_018160584.1 CVIN|KAF4921047.1 CVYL|A04537 FGRM|XP\_011326859.1 MGRA|XP\_003855552.1 MLAR|XP\_007404363.1 MORY|QBZ56995.1 NCRA|XP\_011394578.1 SSCL|APA08062.1

>Orthogroup3889: ANID|CBF71576.1 BCIN|XP\_001554659.2 BGRA|VDB94753.1 CFRU|XP\_031891495.1 CGLO|KAF3804537.1 CHIG|XP\_018160394.1 CVIN|KAF4924542.1 CVYL|A04255 FGRM|XP\_011326706.1 MLAR|XP\_007416427.1 MORY|QBZ64724.1 NCRA|XP\_961123.1 SSCL|APA11032.1

>Orthogroup3890: ANID|CBF71589.1 BCIN|XP\_024550355.1 BGRA|VDB94761.1 CFRU|XP\_031891200.1 CGLO|KAF3804528.1 CHIG|XP\_018159461.1 CVIN|KAF4924484.1 CVYL|A04247 FGRM|XP\_011328804.1 MGRA|XP\_003855687.1 MORY|QBZ64731.1 NCRA|XP\_011394545.1 SSCL|APA11045.1

>Orthogroup3891: ANID|CBF71620.1 BCIN|XP\_024552287.1 BGRA|VCU39913.1 CFRU|XP\_031886033.1 CGLO|KAF3806593.1 CHIG|XP\_018157633.1 CVIN|KAF4916894.1 CVYL|A09274 FGRM|XP\_011328109.1 MLAR|XP\_007404612.1 MORY|QBZ56548.1 NCRA|XP\_961976.1 SSCL|APA13064.1

>Orthogroup3892: ANID|CBF71640.1 BCIN|XP\_001556354.2 CFRU|XP\_031883689.1 CGLO|KAF3810849.1 CHIG|XP\_018155022.1 CVIN|KAF4911101.1 CVYL|A02288 FGRM|XP\_011317519.1 MGRA|XP\_003849589.1 MLAR|XP\_007411292.1 MORY|QBZ53810.1 NCRA|XP\_011393596.1 SSCL|APA08724.1

>Orthogroup3893: ANID|CBF71646.1 BCIN|XP\_001556340.1 BGRA|VDB95255.1 CFRU|XP\_031883539.1 CGLO|KAF3810855.1 CHIG|XP\_018154984.1 CVIN|KAF4911104.1 CVYL|A02293 FGRM|XP\_011317520.1 MLAR|XP\_007411840.1 MORY|QBZ53811.1 NCRA|XP\_963667.3 SSCL|APA08730.1

>Orthogroup3894: ANID|CBF71651.1 BCIN|XP\_001556362.2 BGRA|VDB95251.1 BGRA|VDB95253.1 CFRU|XP\_031886029.1 CHIG|XP\_018155227.1 CVIN|KAF4930445.1 CVYL|A05710 FGRM|XP\_011317472.1 MGRA|XP\_003849473.1 MORY|QBZ53769.1 NCRA|XP\_956825.1 SSCL|APA08716.1

>Orthogroup3895: ANID|CBF71663.1 BCIN|XP\_001553941.2 BGRA|VDB94825.1 CFRU|XP\_031886271.1 CGLO|KAF3806193.1 CHIG|XP\_018162179.1 CVIN|KAF4931484.1 CVYL|A11781 FGRM|XP\_011324071.1 MGRA|XP\_003855042.1 MORY|QBZ61373.1 NCRA|XP\_956994.1 SSCL|APA11072.1

>Orthogroup3896: ANID|CBF71668.1 BCIN|XP\_024550460.1 BGRA|VDB94953.1 CFRU|XP\_031891642.1 CGLO|KAF3804671.1 CHIG|XP\_018161745.1 CVIN|KAF4913895.1 CVYL|A05213 FGRM|XP\_011321527.1 MGRA|XP\_003849100.1 MORY|QBZ59572.1 NCRA|XP\_956709.3 SSCL|APA11172.1

>Orthogroup3897: ANID|CBF71670.1 BCIN|XP\_001559958.1 BGRA|VDB84060.1 CFRU|XP\_031884601.1 CGLO|KAF3799723.1 CHIG|XP\_018158253.1 CVIN|KAF4919973.1 CVYL|A05882 FGRM|XP\_011328600.1 MGRA|XP\_003855575.1 MLAR|XP\_007403944.1 NCRA|XP\_964136.1 SSCL|APA09776.1

>Orthogroup3898: ANID|CBF71671.1 BCIN|XP\_024551384.1 BGRA|VCU39457.1 CFRU|XP\_031886263.1 CGLO|KAF3806274.1 CHIG|XP\_018162100.1 CVIN|KAF4923957.1 CVYL|A11864 FGRM|XP\_011324023.1 MGRA|XP\_003855323.1 MORY|QBZ61350.1 NCRA|XP\_957227.1 SSCL|APA10611.1

>Orthogroup3899: ANID|CBF71673.1 BCIN|XP\_001559332.1 BGRA|VDB94839.1 CFRU|XP\_031891232.1 CGLO|KAF3804672.1 CHIG|XP\_018161744.1 CVIN|KAF4902795.1 CVYL|A05212 FGRM|XP\_011321525.1 MGRA|XP\_003855686.1 MORY|QBZ59574.1 NCRA|XP\_956698.1 SSCL|APA07865.1

>Orthogroup3900: ANID|CBF71683.1 BCIN|XP\_001552364.1 BGRA|VDB94745.1 CFRU|XP\_031891445.1 CGLO|KAF3804575.1 CHIG|XP\_018161656.1 CVIN|KAF4923073.1 CVYL|A05302 FGRM|XP\_011318687.1 MLAR|XP\_007412159.1 MORY|QBZ59364.1 NCRA|XP\_958432.3 SSCL|APA11185.1

>Orthogroup3901: ANID|CBF71687.1 BCIN|XP\_001559330.1 BGRA|VDB93274.1 BGRA|VDB93579.1 CFRU|XP\_031891231.1 CGLO|KAF3804673.1 CHIG|XP\_018161743.1 CVYL|A05211 FGRM|XP\_011321524.1 MLAR|XP\_007408632.1 MORY|QBZ59575.1 NCRA|XP\_956699.1 SSCL|APA07866.1

>Orthogroup3902: ANID|CBF71692.1 BCIN|XP\_024550502.1 BGRA|VDB94549.1 CFRU|XP\_031875605.1 CHIG|XP\_018161814.1 CVIN|KAF4926134.1 CVYL|A11556 FGRM|XP\_011318532.1 MGRA|XP\_003854898.1 MLAR|XP\_007415157.1 MORY|QBZ59385.1 NCRA|XP\_962945.3 SSCL|APA11222.1

>Orthogroup3903: ANID|CBF71708.1 BCIN|XP\_024550356.1 CFRU|XP\_031891203.1 CGLO|KAF3804527.1 CHIG|XP\_018159462.1 CVIN|KAF4924483.1 CVYL|A04246 FGRM|XP\_011328805.1 MGRA|XP\_003854536.1 MLAR|XP\_007403879.1 MORY|QBZ64732.1 NCRA|XP\_956747.2 SSCL|APA11044.1

>Orthogroup3904: ANID|CBF71718.1 BCIN|XP\_024550143.1 BGRA|VDB94959.1 CFRU|XP\_031882156.1 CGLO|KAF3804461.1 CHIG|XP\_018160297.1 CVIN|KAF4930943.1 CVYL|A04174 FGRM|XP\_011328808.1 MGRA|XP\_003854893.1 MORY|QBZ64700.1 NCRA|XP\_955846.1 SSCL|APA10773.1

>Orthogroup3905: ANID|CBF71739.1 BCIN|XP\_001555276.2 BGRA|VDB88228.1 CFRU|XP\_031878007.1 CGLO|KAF3799587.1 CHIG|XP\_018154582.1 CVIN|KAF4926513.1 CVYL|A13448 FGRM|XP\_011325562.1 MGRA|XP\_003849522.1 MLAR|XP\_007418081.1 NCRA|XP\_956469.1 SSCL|APA08651.1

>Orthogroup3906: ANID|CBF71741.1 BCIN|XP\_001555275.1 CFRU|XP\_031878027.1 CGLO|KAF3799588.1 CHIG|XP\_018154583.1 CVIN|KAF4926512.1 CVYL|A13449 FGRM|XP\_011325563.1 MGRA|XP\_003849598.1 MLAR|XP\_007412697.1 MORY|QBZ53969.1 NCRA|XP\_956470.2 SSCL|APA08652.1

>Orthogroup3907: ANID|CBF71773.1 BCIN|XP\_001554319.1 CFRU|XP\_031885135.1 CFRU|XP\_031891911.1 CGLO|KAF3807778.1 CGLO|KAF3809728.1 CVIN|KAF4921497.1 CVIN|KAF4921950.1 CVYL|A00822 CVYL|A06650 FGRM|XP\_011325460.1 MORY|QBZ65351.1 SSCL|APA14406.1

>Orthogroup3908: ANID|CBF73405.1 BCIN|XP\_001549188.1 BCIN|XP\_024553971.1 CFRU|XP\_031876037.1 CGLO|KAF3803725.1 CGLO|KAF3805235.1 CVYL|A10306 CVYL|A14661 MORY|QBZ60160.1 MORY|QBZ60202.1 MORY|QBZ61174.1 MORY|QBZ63775.1 NCRA|XP\_965362.2

>Orthogroup3909: ANID|CBF73465.1 ANID|CBF86319.1 BCIN|XP\_024546746.1 BCIN|XP\_024553127.1 CFRU|XP\_031884107.1 CGLO|KAF3803788.1 CHIG|XP\_018151811.1 CVIN|KAF4917903.1 CVYL|A14161 MORY|QBZ59989.1 SSCL|APA06401.1 SSCL|APA12096.1 SSCL|APA16355.1

>Orthogroup3910: ANID|CBF73547.1 ANID|CBF73590.1 ANID|CBF74677.1 ANID|CBF87813.1 BCIN|XP\_001558452.1 CFRU|XP\_031883998.1 CGLO|KAF3805147.1 CHIG|XP\_018163366.1 CVIN|KAF4927411.1 CVYL|A06409 FGRM|XP\_011321618.1 NCRA|XP\_956921.2 SSCL|APA14731.1

>Orthogroup3911: ANID|CBF73631.1 ANID|CBF84450.1 BCIN|XP\_024548105.1 CFRU|XP\_031875398.1 CFRU|XP\_031875468.1 CFRU|XP\_031875470.1 CFRU|XP\_031875664.1 CFRU|XP\_031877542.1 CFRU|XP\_031877593.1 CFRU|XP\_031880562.1 CHIG|XP\_018150625.1 FGRM|XP\_011328864.1 FGRM|XP\_011328865.1

>Orthogroup3912: ANID|CBF73641.1 ANID|CBF84445.1 ANID|CBF84447.1 CFRU|XP\_031875662.1 CFRU|XP\_031875866.1 CFRU|XP\_031883724.1 CGLO|KAF3807991.1 CHIG|XP\_018150576.1 CVIN|KAF4902344.1 MGRA|XP\_003847412.1 MORY|QBZ66675.1 MORY|QBZ66741.1 SSCL|APA13370.1

>Orthogroup3913: ANID|CBF73672.1 BCIN|XP\_024547000.1 BGRA|VCU40698.1 CFRU|XP\_031888925.1 CGLO|KAF3799202.1 CHIG|XP\_018159806.1 CVIN|KAF4894529.1 CVYL|A10097 FGRM|XP\_011328841.1 MGRA|XP\_003850081.1 MORY|QBZ59131.1 NCRA|XP\_958692.1 SSCL|APA05872.1

>Orthogroup3914: ANID|CBF73684.1 BCIN|XP\_024549733.1 CFRU|XP\_031882162.1 CHIG|XP\_018160309.1 CVIN|KAF4930986.1 CVYL|A04189 FGRM|XP\_011324716.1 MGRA|XP\_003850309.1 MLAR|XP\_007411648.1 MLAR|XP\_007418895.1 MORY|QBZ57994.1 NCRA|XP\_960934.3 SSCL|APA05656.1

>Orthogroup3915: ANID|CBF73705.1 BCIN|XP\_024553352.1 BGRA|VDB86095.1 CFRU|XP\_031887110.1 CHIG|XP\_018160537.1 CVIN|KAF4927208.1 CVYL|A04492 FGRM|XP\_011326431.1 MGRA|XP\_003850313.1 MLAR|XP\_007409007.1 MORY|QBZ63399.1 NCRA|XP\_961540.3 SSCL|APA13671.1

>Orthogroup3916: ANID|CBF73735.1 BCIN|XP\_001558290.1 BGRA|VCU40513.1 CFRU|XP\_031886531.1 CGLO|KAF3800267.1 CHIG|XP\_018162753.1 CVIN|KAF4927562.1 CVYL|A06970 FGRM|XP\_011327020.1 MLAR|XP\_007412674.1 MORY|QBZ61338.1 NCRA|XP\_957340.1 SSCL|APA13680.1

>Orthogroup3917: ANID|CBF73739.1 BCIN|XP\_001558283.1 BGRA|VCU40481.1 CFRU|XP\_031887012.1 CGLO|KAF3811314.1 CHIG|XP\_018160539.1 CVIN|KAF4927240.1 CVYL|A04494 FGRM|XP\_011326435.1 MGRA|XP\_003850274.1 MORY|QBZ63422.1 NCRA|XP\_961542.2 SSCL|APA13675.1

>Orthogroup3918: ANID|CBF73741.1 BCIN|XP\_024553354.1 CFRU|XP\_031887018.1 CGLO|KAF3811315.1 CHIG|XP\_018160540.1 CVIN|KAF4927241.1 CVYL|A04495 FGRM|XP\_011326436.1 MLAR|XP\_007404186.1 MLAR|XP\_007413606.1 MORY|QBZ63421.1 NCRA|XP\_961543.1 SSCL|APA13674.1

>Orthogroup3919: ANID|CBF73745.1 BCIN|XP\_001558862.1 BGRA|VCU40615.1 CFRU|XP\_031880762.1 CGLO|KAF3811199.1 CHIG|XP\_018160450.1 CVIN|KAF4931295.1 CVYL|A04365 FGRM|XP\_011327101.1 MGRA|XP\_003850371.1 MORY|QBZ64773.1 NCRA|XP\_011394610.1 SSCL|APA06241.1

>Orthogroup3920: ANID|CBF73751.1 BGRA|VDB93697.1 CFRU|XP\_031883347.1 CGLO|KAF3800556.1 CHIG|XP\_018152136.1 CVIN|KAF4923820.1 CVYL|A13161 FGRM|XP\_011315970.1 FGRM|XP\_011323261.1 MGRA|XP\_003854117.1 MORY|QBZ60306.1 NCRA|XP\_956909.3 SSCL|APA05772.1

>Orthogroup3921: ANID|CBF73754.1 BCIN|XP\_024549689.1 BGRA|VDB93968.1 CFRU|XP\_031886080.1 CHIG|XP\_018155329.1 CVIN|KAF4897792.1 CVYL|A05593 FGRM|XP\_011317453.1 MGRA|XP\_003850341.1 MLAR|XP\_007408300.1 MORY|QBZ58979.1 NCRA|XP\_011393558.1 SSCL|APA05621.1

>Orthogroup3922: ANID|CBF73767.1 BCIN|XP\_001550728.2 BGRA|VDB93607.1 CFRU|XP\_031886362.1 CHIG|XP\_018162286.1 CVIN|KAF4923279.1 CVYL|A11994 FGRM|XP\_011326573.1 MGRA|XP\_003850418.1 MLAR|XP\_007405561.1 MORY|QBZ56511.1 NCRA|XP\_958148.1 SSCL|APA15308.1

>Orthogroup3923: ANID|CBF73775.1 BCIN|XP\_001551856.1 BGRA|VDB93591.1 CFRU|XP\_031877208.1 CGLO|KAF3806424.1 CHIG|XP\_018162322.1 CVIN|KAF4918036.1 CVYL|A12017 FGRM|XP\_011324128.1 MGRA|XP\_003850329.1 MORY|QBZ55760.1 NCRA|XP\_957255.1 SSCL|APA15231.1

>Orthogroup3924: ANID|CBF73782.1 BCIN|XP\_001558815.1 CFRU|XP\_031889521.1 CGLO|KAF3810590.1 CHIG|XP\_018159012.1 CVIN|KAF4914209.1 CVYL|A13671 FGRM|XP\_011318056.1 MGRA|XP\_003850367.1 MLAR|XP\_007414005.1 MLAR|XP\_007414006.1 NCRA|XP\_956348.3 SSCL|APA05970.1

>Orthogroup3925: ANID|CBF73784.1 BCIN|XP\_024553336.1 BGRA|VCU40551.1 CFRU|XP\_031880660.1 CGLO|KAF3811148.1 CHIG|XP\_018160354.1 CVIN|KAF4931161.1 CVYL|A04307 FGRM|XP\_011327108.1 MGRA|XP\_003850332.1 MORY|QBZ57420.1 NCRA|XP\_961003.2 SSCL|APA13653.1

>Orthogroup3926: ANID|CBF73790.1 BCIN|XP\_024553324.1 BGRA|VCU40487.1 CFRU|XP\_031886692.1 CHIG|XP\_018162755.1 CVIN|KAF4927607.1 CVYL|A06968 FGRM|XP\_011327022.1 MGRA|XP\_003850048.1 MLAR|XP\_007411148.1 MORY|QBZ61335.1 NCRA|XP\_957330.1 SSCL|APA13637.1

>Orthogroup3927: ANID|CBF73795.1 BCIN|XP\_024546894.1 BGRA|VCU40620.1 CFRU|XP\_031880722.1 CGLO|KAF3811143.1 CHIG|XP\_018160359.1 CVIN|KAF4931261.1 CVYL|A04302 FGRM|XP\_011326447.1 MGRA|XP\_003850189.1 MORY|QBZ57466.1 NCRA|XP\_011394691.1 SSCL|APA05844.1

>Orthogroup3928: ANID|CBF73803.1 BCIN|XP\_001554060.1 BGRA|VCU40476.1 CFRU|XP\_031887021.1 CGLO|KAF3811320.1 CHIG|XP\_018160546.1 CVIN|KAF4927254.1 CVYL|A04501 FGRM|XP\_011324744.1 MLAR|XP\_007403831.1 MORY|QBZ58039.1 NCRA|XP\_961187.3 SSCL|APA05573.1

>Orthogroup3929: ANID|CBF73813.1 BCIN|XP\_001558908.1 CFRU|XP\_031875820.1 CGLO|KAF3805543.1 CHIG|XP\_018155396.1 CVIN|KAF4889027.1 CVYL|A05666 FGRM|XP\_011317422.1 MGRA|XP\_003850234.1 MLAR|XP\_007410377.1 MORY|QBZ63035.1 NCRA|XP\_959683.1 SSCL|APA05795.1

>Orthogroup3930: ANID|CBF73815.1 BCIN|XP\_001558909.2 CFRU|XP\_031875839.1 CGLO|KAF3805542.1 CHIG|XP\_018155395.1 CVIN|KAF4889026.1 CVYL|A05665 FGRM|XP\_011317421.1 MGRA|XP\_003850295.1 MLAR|XP\_007405140.1 MORY|QBZ63034.1 NCRA|XP\_959682.1 SSCL|APA05796.1

>Orthogroup3931: ANID|CBF73822.1 BCIN|XP\_024549706.1 BGRA|VDB95026.1 CFRU|XP\_031890427.1 CGLO|KAF3805275.1 CHIG|XP\_018158595.1 CVIN|KAF4901291.1 CVYL|A13926 FGRM|XP\_011316608.1 MLAR|XP\_007415123.1 MORY|QBZ55390.1 NCRA|XP\_011393362.1 SSCL|APA05638.1

>Orthogroup3932: ANID|CBF73826.1 BCIN|XP\_001552179.1 BGRA|VDB93941.1 CFRU|XP\_031878023.1 CGLO|KAF3799564.1 CHIG|XP\_018154568.1 CVIN|KAF4931853.1 CVYL|A13423 FGRM|XP\_011324892.1 MGRA|XP\_003850316.1 MORY|QBZ61070.1 NCRA|XP\_956496.3 SSCL|APA05593.1

>Orthogroup3933: ANID|CBF73838.1 BCIN|XP\_024551610.1 CFRU|XP\_031884445.1 CFRU|XP\_031887912.1 CGLO|KAF3796969.1 CHIG|XP\_018150556.1 CVIN|KAF4913293.1 CVYL|A05812 FGRM|XP\_011321950.1 MGRA|XP\_003856777.1 MGRA|XP\_003857355.1 MORY|QBZ63641.1 SSCL|APA14832.1

>Orthogroup3934: ANID|CBF73839.1 ANID|CBF77756.1 BCIN|XP\_024551607.1 CFRU|XP\_031883450.1 CGLO|KAF3801738.1 CHIG|XP\_018159252.1 CVIN|KAF4922917.1 CVYL|A12964 FGRM|XP\_011320397.1 MGRA|XP\_003856541.1 MORY|QBZ63020.1 NCRA|XP\_960498.1 SSCL|APA14833.1

>Orthogroup3935: ANID|CBF73862.1 BCIN|XP\_001548838.1 CFRU|XP\_031886130.1 CGLO|KAF3805432.1 CHIG|XP\_018155292.1 CVIN|KAF4930333.1 CVYL|A05562 FGRM|XP\_011325572.1 FGRM|XP\_011325861.1 MGRA|XP\_003849368.1 NCRA|XP\_956849.3 NCRA|XP\_958191.1 SSCL|APA15964.1

>Orthogroup3936: ANID|CBF73876.1 BCIN|XP\_001551139.1 BCIN|XP\_001560066.1 CFRU|XP\_031881750.1 CGLO|KAF3800378.1 CGLO|KAF3808135.1 CHIG|XP\_018157703.1 CVIN|KAF4901602.1 CVYL|A11515 FGRM|XP\_011319888.1 MORY|QBZ56254.1 SSCL|APA09907.1 SSCL|APA15055.1

>Orthogroup3937: ANID|CBF73887.1 BCIN|XP\_001557716.1 BCIN|XP\_024553883.1 CFRU|XP\_031881493.1 CGLO|KAF3805781.1 CHIG|XP\_018163670.1 CVIN|KAF4926577.1 CVYL|A06039 FGRM|XP\_011326230.1 MGRA|XP\_003853393.1 MORY|QBZ66519.1 SSCL|APA12215.1 SSCL|APA15201.1

>Orthogroup3938: ANID|CBF74019.1 BCIN|XP\_001558923.1 BGRA|VCU39713.1 CFRU|XP\_031891531.1 CGLO|KAF3804553.1 CHIG|XP\_018160389.1 CVIN|KAF4924537.1 CVYL|A04271 FGRM|XP\_011326693.1 MGRA|XP\_003850460.1 MORY|QBZ59045.1 NCRA|XP\_958759.1 SSCL|APA05805.1

>Orthogroup3939: ANID|CBF74025.1 BCIN|XP\_001549572.1 BGRA|VCU40506.1 CFRU|XP\_031880643.1 CGLO|KAF3811131.1 CHIG|XP\_018160371.1 CVIN|KAF4924506.1 CVYL|A04288 FGRM|XP\_011326922.1 MGRA|XP\_003850140.1 MORY|QBZ57749.1 NCRA|XP\_961314.3 SSCL|APA13538.1

>Orthogroup3940: ANID|CBF74027.1 BCIN|XP\_024546864.1 BGRA|VDB86369.1 CFRU|XP\_031886999.1 CGLO|KAF3811414.1 CHIG|XP\_018160653.1 CVIN|KAF4919719.1 CVYL|A04611 FGRM|XP\_011327179.1 MGRA|XP\_003853872.1 MORY|QBZ64719.1 NCRA|XP\_011394587.1 SSCL|APA14524.1

>Orthogroup3941: ANID|CBF74039.1 BCIN|XP\_024547065.1 BGRA|VCU40459.1 CFRU|XP\_031891246.1 CHIG|XP\_018160401.1 CVIN|KAF4924531.1 CVYL|A04261 FGRM|XP\_011326908.1 MGRA|XP\_003850034.1 MLAR|XP\_007417679.1 MORY|QBZ57051.1 NCRA|XP\_961104.1 SSCL|APA06143.1

>Orthogroup3942: ANID|CBF74050.1 BCIN|XP\_001554063.1 CFRU|XP\_031887016.1 CGLO|KAF3811318.1 CHIG|XP\_018160544.1 CVIN|KAF4927242.1 CVYL|A04499 FGRM|XP\_011324740.1 MGRA|XP\_003850416.1 MLAR|XP\_007404924.1 MORY|QBZ58042.1 NCRA|XP\_961188.1 SSCL|APA05571.1

>Orthogroup3943: ANID|CBF74074.1 BCIN|XP\_024547072.1 BGRA|VCU40468.1 CFRU|XP\_031880715.1 CGLO|KAF3811139.1 CHIG|XP\_018160363.1 CVIN|KAF4931257.1 CVYL|A04298 FGRM|XP\_011326453.1 MLAR|XP\_007407738.1 MLAR|XP\_007417823.1 NCRA|XP\_011394516.1 SSCL|APA06147.1

>Orthogroup3944: ANID|CBF74076.1 BCIN|XP\_001558651.1 CFRU|XP\_031891243.1 CGLO|KAF3804545.1 CHIG|XP\_018160404.1 CVIN|KAF4924492.1 CVYL|A04265 FGRM|XP\_011324712.1 MGRA|XP\_003850369.1 MLAR|XP\_007405485.1 MORY|QBZ59048.1 NCRA|XP\_960938.2 SSCL|APA05661.1

>Orthogroup3945: ANID|CBF74106.1 BCIN|XP\_001547414.2 BGRA|VCU40600.1 CFRU|XP\_031882236.1 CGLO|KAF3804484.1 CHIG|XP\_018160313.1 CVIN|KAF4930924.1 CVYL|A04199 FGRM|XP\_011326913.1 MGRA|XP\_003850134.1 MORY|QBZ57046.1 NCRA|XP\_961101.1 SSCL|APA13534.1

>Orthogroup3946: ANID|CBF74116.1 BCIN|XP\_001558863.1 BGRA|VCU40613.1 CFRU|XP\_031880764.1 CGLO|KAF3811198.1 CHIG|XP\_018160451.1 CVIN|KAF4931249.1 CVYL|A04363 FGRM|XP\_011327100.1 MGRA|XP\_003850319.1 MORY|QBZ64774.1 NCRA|XP\_011394608.1 SSCL|APA06240.1

>Orthogroup3947: ANID|CBF74123.1 BCIN|XP\_024546997.1 BGRA|VCU40632.1 CFRU|XP\_031891452.1 CGLO|KAF3804519.1 CHIG|XP\_018159469.1 CVIN|KAF4924530.1 CVYL|A04236 FGRM|XP\_011327139.1 MGRA|XP\_003850534.1 MORY|QBZ58048.1 NCRA|XP\_959197.3 SSCL|APA05934.1

>Orthogroup3948: ANID|CBF74140.1 ANID|CBF78554.1 BCIN|XP\_024551002.1 BGRA|VCU40847.1 CFRU|XP\_031882438.1 CGLO|KAF3807540.1 CHIG|XP\_018156396.1 CVIN|KAF4928924.1 FGRM|XP\_011318575.1 MGRA|XP\_003853459.1 MLAR|XP\_007413813.1 MORY|QBZ56945.1 SSCL|APA11634.1

>Orthogroup3949: ANID|CBF74151.1 BCIN|XP\_024548314.1 BGRA|VCU40567.1 CFRU|XP\_031889071.1 CGLO|KAF3799282.1 CHIG|XP\_018159877.1 CVIN|KAF4924818.1 CVYL|A04008 FGRM|XP\_011324541.1 MGRA|XP\_003850492.1 MORY|QBZ58666.1 NCRA|XP\_958830.1 SSCL|APA12563.1

>Orthogroup3950: ANID|CBF74155.1 BCIN|XP\_001547656.1 CFRU|XP\_031888724.1 CGLO|KAF3799193.1 CHIG|XP\_018159801.1 CVIN|KAF4914915.1 CVYL|A10088 FGRM|XP\_011328764.1 MGRA|XP\_003850187.1 MLAR|XP\_007404888.1 MLAR|XP\_007419689.1 NCRA|XP\_961696.1 SSCL|APA05883.1

>Orthogroup3951: ANID|CBF74158.1 BCIN|XP\_024547054.1 BGRA|VCU40660.1 CFRU|XP\_031889017.1 CGLO|KAF3799383.1 CHIG|XP\_018159955.1 CVIN|KAF4906802.1 CVYL|A03441 FGRM|XP\_011324464.1 MGRA|XP\_003850197.1 MORY|QBZ59180.1 NCRA|XP\_961714.1 SSCL|APA14513.1

>Orthogroup3952: ANID|CBF74169.1 BCIN|XP\_001557510.2 BGRA|VCU40550.1 CFRU|XP\_031888674.1 CGLO|KAF3799221.1 CHIG|XP\_018159852.1 CVIN|KAF4909319.1 CVYL|A10115 FGRM|XP\_011328821.1 MGRA|XP\_003850537.1 MORY|QBZ59120.1 NCRA|XP\_011394734.1 SSCL|APA12598.1

>Orthogroup3953: ANID|CBF74171.1 BCIN|XP\_024549899.1 BGRA|VCU40469.1 CFRU|XP\_031888683.1 CGLO|KAF3799286.1 CHIG|XP\_018159875.1 CVIN|KAF4924786.1 CVYL|A04452 FGRM|XP\_011324539.1 MGRA|XP\_003850144.1 MORY|QBZ58668.1 NCRA|XP\_011394743.1 SSCL|APA05577.1

>Orthogroup3954: ANID|CBF74221.1 BCIN|XP\_001558864.1 CFRU|XP\_031889005.1 CGLO|KAF3799223.1 CHIG|XP\_018159850.1 CVIN|KAF4909317.1 CVYL|A10117 FGRM|XP\_011328819.1 MGRA|XP\_003850155.1 MLAR|XP\_007417980.1 MORY|QBZ59122.1 NCRA|XP\_960991.1 SSCL|APA05768.1

>Orthogroup3955: ANID|CBF74246.1 BCIN|XP\_001555718.1 BGRA|VCU41114.1 CFRU|XP\_031886510.1 CGLO|KAF3806332.1 CHIG|XP\_018162122.1 CVIN|KAF4908670.1 CVYL|A11920 FGRM|XP\_011326342.1 MLAR|XP\_007404438.1 MORY|QBZ55502.1 NCRA|XP\_958268.2 SSCL|APA10321.1

>Orthogroup3956: ANID|CBF74248.1 BCIN|XP\_024551174.1 BGRA|VCU39778.1 CFRU|XP\_031893422.1 CHIG|XP\_018152427.1 CVIN|KAF4916840.1 CVYL|A09532 FGRM|XP\_011317882.1 MGRA|XP\_003853044.1 MLAR|XP\_007404410.1 MORY|QBZ54072.1 NCRA|XP\_961298.1 SSCL|APA10183.1

>Orthogroup3957: ANID|CBF74252.1 BCIN|XP\_001548551.1 BGRA|VDB87614.1 CFRU|XP\_031890683.1 CGLO|KAF3804837.1 CHIG|XP\_018164336.1 CVIN|KAF4929790.1 CVYL|A12236 FGRM|XP\_011316224.1 MGRA|XP\_003857207.1 MORY|QBZ55304.1 NCRA|XP\_963957.2 SSCL|APA06606.1

>Orthogroup3958: ANID|CBF74256.1 BCIN|XP\_001558838.1 BGRA|VDB93870.1 CFRU|XP\_031881841.1 CGLO|KAF3800616.1 CHIG|XP\_018152063.1 CVYL|A13101 FGRM|XP\_011316336.1 MGRA|XP\_003849081.1 MLAR|XP\_007405067.1 MORY|QBZ60995.1 NCRA|XP\_956122.2 SSCL|APA05990.1

>Orthogroup3959: ANID|CBF74261.1 BCIN|XP\_024546970.1 BGRA|VDB93925.1 CFRU|XP\_031881783.1 CGLO|KAF3800641.1 CHIG|XP\_018152043.1 CVIN|KAF4922014.1 CVYL|A13075 FGRM|XP\_011317225.1 MORY|QBZ57315.1 NCRA|XP\_956901.3 NCRA|XP\_963806.3 SSCL|APA05966.1

>Orthogroup3960: ANID|CBF74272.1 BCIN|XP\_024546989.1 BGRA|VDB93934.1 CFRU|XP\_031881829.1 CGLO|KAF3800628.1 CHIG|XP\_018152056.1 CVIN|KAF4918202.1 CVYL|A13088 FGRM|XP\_011317222.1 MGRA|XP\_003855395.1 MORY|QBZ57307.1 NCRA|XP\_956278.3 SSCL|APA05946.1

>Orthogroup3961: ANID|CBF74289.1 BCIN|XP\_001556030.1 BGRA|VDB89253.1 CFRU|XP\_031887077.1 CGLO|KAF3811393.1 CHIG|XP\_018160629.1 CVIN|KAF4919702.1 CVYL|A04585 FGRM|XP\_011327186.1 MGRA|XP\_003851119.1 MORY|QBZ64734.1 NCRA|XP\_960884.1 SSCL|APA13947.1

>Orthogroup3962: ANID|CBF74298.1 BCIN|XP\_024546609.1 CFRU|XP\_031879820.1 CGLO|KAF3802986.1 CHIG|XP\_018153627.1 CVIN|KAF4929960.1 CVYL|A00419 FGRM|XP\_011316927.1 MGRA|XP\_003850577.1 MLAR|XP\_007404087.1 MORY|QBZ63608.1 NCRA|XP\_963775.3 SSCL|APA06435.1

>Orthogroup3963: ANID|CBF74306.1 BCIN|XP\_001559001.1 BGRA|VDB93891.1 CFRU|XP\_031877994.1 CGLO|KAF3799572.1 CHIG|XP\_018154559.1 CVIN|KAF4926471.1 CVYL|A13432 FGRM|XP\_011323709.1 MGRA|XP\_003850552.1 MORY|QBZ61078.1 NCRA|XP\_011393503.1 SSCL|APA05852.1

>Orthogroup3964: ANID|CBF74313.1 BCIN|XP\_024549682.1 BGRA|VDB93895.1 CFRU|XP\_031878043.1 CGLO|KAF3799566.1 CHIG|XP\_018154566.1 CVIN|KAF4931850.1 CVYL|A13425 FGRM|XP\_011324890.1 MLAR|XP\_007417222.1 MORY|QBZ61071.1 NCRA|XP\_011393465.1 SSCL|APA05608.1

>Orthogroup3965: ANID|CBF74325.1 BCIN|XP\_001558764.1 BGRA|VDB93888.1 CFRU|XP\_031878035.1 CGLO|KAF3799575.1 CHIG|XP\_018154556.1 CVIN|KAF4926466.1 CVYL|A13435 FGRM|XP\_011323712.1 MGRA|XP\_003854824.1 MORY|QBZ61082.1 NCRA|XP\_011393505.1 SSCL|APA05614.1

>Orthogroup3966: ANID|CBF74328.1 BCIN|XP\_024549753.1 BGRA|VDB93845.1 CFRU|XP\_031885973.1 CGLO|KAF3811968.1 CHIG|XP\_018155266.1 CVIN|KAF4930424.1 CVYL|A05534 FGRM|XP\_011317425.1 MGRA|XP\_003855661.1 MORY|QBZ54459.1 NCRA|XP\_959482.1 SSCL|APA05689.1

>Orthogroup3967: ANID|CBF74330.1 BCIN|XP\_024549750.1 CFRU|XP\_031885349.1 CGLO|KAF3799452.1 CHIG|XP\_018154439.1 CVIN|KAF4931901.1 FGRM|XP\_011325514.1 MGRA|XP\_003848768.1 MLAR|XP\_007408901.1 MLAR|XP\_007417999.1 MORY|QBZ54306.1 NCRA|XP\_963146.2 SSCL|APA05684.1

>Orthogroup3968: ANID|CBF74336.1 BCIN|XP\_024546604.1 CFRU|XP\_031879815.1 CHIG|XP\_018153629.1 CVIN|KAF4929965.1 CVYL|A00417 FGRM|XP\_011316929.1 MGRA|XP\_003850576.1 MLAR|XP\_007406767.1 MLAR|XP\_007409873.1 MORY|QBZ63610.1 NCRA|XP\_963777.1 SSCL|APA06431.1

>Orthogroup3969: ANID|CBF74343.1 BCIN|XP\_024546386.1 BGRA|VDB90561.1 CFRU|XP\_031882843.1 CGLO|KAF3803428.1 CHIG|XP\_018164117.1 CVIN|KAF4926291.1 CVYL|A14357 FGRM|XP\_011326826.1 MGRA|XP\_003850755.1 MORY|QBZ56419.1 NCRA|XP\_963690.3 SSCL|APA07198.1

>Orthogroup3970: ANID|CBF74345.1 BCIN|XP\_001561269.1 BGRA|VDB90562.1 CFRU|XP\_031880013.1 CGLO|KAF3798980.1 CHIG|XP\_018152897.1 CVIN|KAF4923456.1 CVYL|A07899 FGRM|XP\_011328014.1 MGRA|XP\_003851259.1 MORY|QBZ53422.1 NCRA|XP\_959503.2 SSCL|APA07197.1

>Orthogroup3971: ANID|CBF74347.1 BCIN|XP\_024549489.1 BGRA|VCU40007.1 CFRU|XP\_031882176.1 CGLO|KAF3804442.1 CHIG|XP\_018160265.1 CVIN|KAF4930969.1 CVYL|A04150 FGRM|XP\_011324513.1 MLAR|XP\_007410342.1 MORY|QBZ54426.1 NCRA|XP\_961377.1 SSCL|APA09155.1

>Orthogroup3972: ANID|CBF74351.1 BCIN|XP\_001552073.1 CFRU|XP\_031886334.1 CGLO|KAF3806337.1 CHIG|XP\_018162129.1 CVIN|KAF4908677.1 CVYL|A11926 FGRM|XP\_011326616.1 MGRA|XP\_003851085.1 MLAR|XP\_007415382.1 MORY|QBZ61390.1 NCRA|XP\_962740.1 SSCL|APA09805.1

>Orthogroup3973: ANID|CBF74362.1 BCIN|XP\_024546611.1 BGRA|VDB90646.1 CFRU|XP\_031888545.1 CGLO|KAF3803556.1 CHIG|XP\_018164133.1 CVIN|KAF4922287.1 CVYL|A14489 FGRM|XP\_011326495.1 MGRA|XP\_003850752.1 MORY|QBZ56414.1 NCRA|XP\_964467.1 SSCL|APA06452.1

>Orthogroup3974: ANID|CBF74365.1 BCIN|XP\_024546576.1 BGRA|VDB92423.1 CFRU|XP\_031877053.1 CGLO|KAF3805199.1 CHIG|XP\_018152949.1 CVIN|KAF4909085.1 CVYL|A07957 FGRM|XP\_011324273.1 MGRA|XP\_003851241.1 MORY|QBZ64164.1 NCRA|XP\_964949.2 SSCL|APA06495.1

>Orthogroup3975: ANID|CBF74373.1 BCIN|XP\_024546607.1 BGRA|VDB90568.1 CFRU|XP\_031882842.1 CGLO|KAF3803426.1 CHIG|XP\_018164119.1 CVIN|KAF4926328.1 CVYL|A14356 FGRM|XP\_011326828.1 MGRA|XP\_003851190.1 MORY|QBZ56416.1 NCRA|XP\_964469.1 SSCL|APA06436.1

>Orthogroup3976: ANID|CBF74386.1 BCIN|XP\_001549348.1 BGRA|VDB95120.1 CFRU|XP\_031880842.1 CGLO|KAF3806889.1 CHIG|XP\_018159571.1 CVIN|KAF4904496.1 CVYL|A02532 FGRM|XP\_011320453.1 MGRA|XP\_003854329.1 MORY|QBZ61866.1 NCRA|XP\_960513.2 SSCL|APA06409.1

>Orthogroup3977: ANID|CBF74404.1 BCIN|XP\_001550867.1 BGRA|VCU40990.1 CFRU|XP\_031892863.1 CGLO|KAF3809168.1 CHIG|XP\_018155990.1 CVIN|KAF4919826.1 CVYL|A01355 FGRM|XP\_011318813.1 MGRA|XP\_003855962.1 MORY|QBZ57476.1 NCRA|XP\_961533.1 SSCL|APA12420.1

>Orthogroup3978: ANID|CBF74412.1 BCIN|XP\_001557533.1 BGRA|VCU40753.1 CFRU|XP\_031880184.1 CHIG|XP\_018155862.1 CVIN|KAF4923764.1 CVYL|A01604 FGRM|XP\_011319026.1 MGRA|XP\_003857699.1 MLAR|XP\_007417204.1 MORY|QBZ64632.1 NCRA|XP\_960819.1 SSCL|APA12363.1

>Orthogroup3979: ANID|CBF74432.1 BCIN|XP\_024551733.1 BGRA|VDB89513.1 CFRU|XP\_031884022.1 CGLO|KAF3805165.1 CVIN|KAF4927490.1 CVYL|A06585 FGRM|XP\_011321627.1 MGRA|XP\_003855780.1 MLAR|XP\_007409584.1 MORY|QBZ63292.1 NCRA|XP\_956914.1 SSCL|APA14600.1

>Orthogroup3980: ANID|CBF74442.1 BCIN|XP\_001559994.1 CFRU|XP\_031879446.1 CGLO|KAF3799646.1 CHIG|XP\_018154656.1 CVIN|KAF4926443.1 CVYL|A13509 FGRM|XP\_011317252.1 MGRA|XP\_003851683.1 MLAR|XP\_007417978.1 MORY|QBZ61012.1 NCRA|XP\_956506.2 SSCL|APA09987.1

>Orthogroup3981: ANID|CBF74452.1 BCIN|XP\_001556037.1 CFRU|XP\_031882539.1 CGLO|KAF3799396.1 CHIG|XP\_018152258.1 CVYL|A13257 FGRM|XP\_011324618.1 MGRA|XP\_003851852.1 MLAR|XP\_007404907.1 MLAR|XP\_007419243.1 MORY|QBZ54001.1 NCRA|XP\_956611.1 SSCL|APA13952.1

>Orthogroup3982: ANID|CBF74456.1 BCIN|XP\_001551527.2 BGRA|VDB89795.1 CFRU|XP\_031880380.1 CGLO|KAF3807334.1 CHIG|XP\_018156897.1 CVIN|KAF4920076.1 CVYL|A10822 FGRM|XP\_011320203.1 MGRA|XP\_003856240.1 MORY|QBZ65634.1 NCRA|XP\_964732.1 SSCL|APA11879.1

>Orthogroup3983: ANID|CBF74460.1 BCIN|XP\_001551786.1 CFRU|XP\_031892825.1 CGLO|KAF3797235.1 CHIG|XP\_018157230.1 CVIN|KAF4917697.1 CVYL|A10461 FGRM|XP\_011319909.1 MGRA|XP\_003853076.1 MLAR|XP\_007417227.1 MORY|QBZ60463.1 NCRA|XP\_964868.2 SSCL|APA11959.1

>Orthogroup3984: ANID|CBF74473.1 BCIN|XP\_024551295.1 BGRA|VCU39513.1 BGRA|VCU39514.1 CFRU|XP\_031878408.1 CHIG|XP\_018162484.1 CVIN|KAF4932066.1 CVYL|A07216 FGRM|XP\_011326991.1 MGRA|XP\_003857407.1 MORY|QBZ59328.1 NCRA|XP\_957263.1 SSCL|APA10255.1

>Orthogroup3985: ANID|CBF74478.1 BCIN|XP\_024551505.1 BGRA|VCU39763.1 CFRU|XP\_031893036.1 CGLO|KAF3808407.1 CHIG|XP\_018152484.1 CVIN|KAF4909955.1 CVYL|A09566 FGRM|XP\_011317884.1 MGRA|XP\_003853411.1 MORY|QBZ54078.1 NCRA|XP\_961300.3 SSCL|APA10198.1

>Orthogroup3986: ANID|CBF74495.1 BCIN|XP\_001555731.1 BGRA|VDB87836.1 CFRU|XP\_031877778.1 CGLO|KAF3810681.1 CHIG|XP\_018162441.1 CVIN|KAF4916959.1 CVYL|A07278 FGRM|XP\_011327018.1 MGRA|XP\_003856268.1 MORY|QBZ55667.1 NCRA|XP\_956182.1 SSCL|APA10299.1

>Orthogroup3987: ANID|CBF74498.1 BCIN|XP\_024550122.1 BGRA|VCU39818.1 CFRU|XP\_031893419.1 CGLO|KAF3808367.1 CHIG|XP\_018152433.1 CVIN|KAF4916834.1 CVYL|A09526 FGRM|XP\_011317954.1 MGRA|XP\_003856270.1 MORY|QBZ54064.1 NCRA|XP\_961289.2 SSCL|APA10593.1

>Orthogroup3988: ANID|CBF74511.1 BCIN|XP\_001551360.1 BGRA|VCU41071.1 CFRU|XP\_031878414.1 CGLO|KAF3810766.1 CHIG|XP\_018162564.1 CVIN|KAF4932060.1 CVYL|A07188 FGRM|XP\_011326309.1 MLAR|XP\_007416831.1 MORY|QBZ59698.1 NCRA|XP\_956605.1 SSCL|APA10404.1

>Orthogroup3989: ANID|CBF74512.1 BCIN|XP\_024551208.1 BGRA|VCU39820.1 CFRU|XP\_031877199.1 CGLO|KAF3806429.1 CHIG|XP\_018162314.1 CVIN|KAF4918051.1 CVYL|A12024 FGRM|XP\_011324139.1 MLAR|XP\_007413167.1 MORY|QBZ55741.1 NCRA|XP\_962918.2 SSCL|APA10333.1

>Orthogroup3990: ANID|CBF74516.1 BCIN|XP\_001557008.1 BGRA|VCU41067.1 CFRU|XP\_031878415.1 CGLO|KAF3810765.1 CHIG|XP\_018162562.1 CVIN|KAF4932085.1 CVYL|A07189 FGRM|XP\_011326310.1 MGRA|XP\_003856288.1 MORY|QBZ59707.1 NCRA|XP\_956683.1 SSCL|APA10227.1

>Orthogroup3991: ANID|CBF74527.1 BCIN|XP\_024551207.1 CFRU|XP\_031886731.1 CGLO|KAF3804043.1 CHIG|XP\_018162716.1 CVIN|KAF4927632.1 CVYL|A06999 FGRM|XP\_011326400.1 MGRA|XP\_003857388.1 MLAR|XP\_007411972.1 MORY|QBZ59305.1 NCRA|XP\_011393938.1 SSCL|APA10334.1

>Orthogroup3992: ANID|CBF74536.1 BCIN|XP\_024552562.1 BGRA|VCU40801.1 CFRU|XP\_031885691.1 CGLO|KAF3810147.1 CHIG|XP\_018157979.1 CVIN|KAF4929097.1 CVYL|A02736 FGRM|XP\_011328544.1 MGRA|XP\_003853582.1 MORY|QBZ62260.1 NCRA|XP\_957679.2 SSCL|APA08668.1

>Orthogroup3993: ANID|CBF74564.1 BCIN|XP\_001556391.1 BGRA|VDB88210.1 CFRU|XP\_031885805.1 CGLO|KAF3810226.1 CHIG|XP\_018157890.1 CVIN|KAF4929192.1 CVYL|A02825 FGRM|XP\_011328221.1 MGRA|XP\_003853067.1 MORY|QBZ59264.1 NCRA|XP\_957528.1 SSCL|APA08699.1

>Orthogroup3994: ANID|CBF74572.1 BCIN|XP\_001549473.1 BGRA|VCU41184.1 CFRU|XP\_031887171.1 CHIG|XP\_018156028.1 CVIN|KAF4925322.1 CVYL|A01399 FGRM|XP\_011319077.1 MGRA|XP\_003856019.1 MLAR|XP\_007415785.1 MORY|QBZ57084.1 NCRA|XP\_961428.3 SSCL|APA16229.1

>Orthogroup3995: ANID|CBF74574.1 BCIN|XP\_024552805.1 BGRA|VCU39676.1 CFRU|XP\_031887202.1 CHIG|XP\_018156029.1 CVIN|KAF4925293.1 CVYL|A01427 FGRM|XP\_011319079.1 MGRA|XP\_003857639.1 MLAR|XP\_007418370.1 MORY|QBZ57107.1 NCRA|XP\_961429.1 SSCL|APA16031.1

>Orthogroup3996: ANID|CBF74578.1 BCIN|XP\_024550786.1 BGRA|VCU39973.1 CFRU|XP\_031887424.1 CGLO|KAF3809173.1 CHIG|XP\_018155996.1 CVIN|KAF4919825.1 CVYL|A01361 FGRM|XP\_011319099.1 MGRA|XP\_003855910.1 MORY|QBZ57441.1 NCRA|XP\_011394636.1 SSCL|APA11870.1

>Orthogroup3997: ANID|CBF74582.1 BCIN|XP\_024552976.1 BGRA|VCU41190.1 CFRU|XP\_031892640.1 CGLO|KAF3809148.1 CHIG|XP\_018155950.1 CVIN|KAF4922134.1 CVYL|A01333 FGRM|XP\_011318804.1 MGRA|XP\_003857572.1 MORY|QBZ57341.1 NCRA|XP\_958289.2 SSCL|APA16233.1

>Orthogroup3998: ANID|CBF74717.1 BCIN|XP\_024551530.1 BGRA|VDB89142.1 CFRU|XP\_031883019.1 CGLO|KAF3808162.1 CHIG|XP\_018163250.1 CVIN|KAF4924273.1 CVYL|A00513 FGRM|XP\_011326223.1 MGRA|XP\_003856449.1 MORY|QBZ54573.1 NCRA|XP\_956110.2 SSCL|APA10221.1

>Orthogroup3999: ANID|CBF74738.1 BCIN|XP\_001551363.1 BGRA|VCU39501.1 CGLO|KAF3810728.1 CHIG|XP\_018162588.1 CVIN|KAF4932032.1 CVYL|A07224 FGRM|XP\_011323968.1 MGRA|XP\_003852931.1 MLAR|XP\_007405834.1 MORY|QBZ62331.1 NCRA|XP\_958826.3 SSCL|APA10401.1

>Orthogroup4000: ANID|CBF74740.1 BCIN|XP\_024551481.1 BGRA|VCU39502.1 CFRU|XP\_031878399.1 CHIG|XP\_018162589.1 CVIN|KAF4932031.1 CVYL|A07223 FGRM|XP\_011323967.1 MGRA|XP\_003853487.1 MLAR|XP\_007416349.1 MORY|QBZ63899.1 NCRA|XP\_001728513.2 SSCL|APA10402.1

>Orthogroup4001: ANID|CBF74754.1 BCIN|XP\_024551358.1 BGRA|VDB89128.1 CFRU|XP\_031878393.1 CGLO|KAF3810774.1 CHIG|XP\_018162539.1 CVIN|KAF4932056.1 CVYL|A07178 FGRM|XP\_011326980.1 MGRA|XP\_003856384.1 MORY|QBZ63830.1 NCRA|XP\_957278.1 SSCL|APA10503.1

>Orthogroup4002: ANID|CBF74761.1 BCIN|XP\_001549894.1 BGRA|VDB84377.1 CFRU|XP\_031885032.1 CHIG|XP\_018162852.1 CVIN|KAF4927756.1 CVYL|A07664 FGRM|XP\_011327035.1 MGRA|XP\_003857364.1 MLAR|XP\_007408830.1 MORY|QBZ61325.1 NCRA|XP\_957323.2 SSCL|APA08221.1

>Orthogroup4003: ANID|CBF74763.1 BCIN|XP\_001549025.1 BCIN|XP\_024551354.1 BGRA|VDB89124.1 CFRU|XP\_031878381.1 CGLO|KAF3810776.1 CHIG|XP\_018162537.1 CVIN|KAF4932077.1 CVYL|A07174 FGRM|XP\_011326976.1 MORY|QBZ63833.1 NCRA|XP\_957274.3 SSCL|APA10507.1

>Orthogroup4004: ANID|CBF74765.1 BCIN|XP\_024551356.1 BGRA|VCU41335.1 CFRU|XP\_031878422.1 CGLO|KAF3810778.1 CHIG|XP\_018162535.1 CVIN|KAF4932073.1 CVYL|A07172 FGRM|XP\_011326974.1 MGRA|XP\_003853402.1 MORY|QBZ63834.1 NCRA|XP\_957273.3 SSCL|APA10505.1

>Orthogroup4005: ANID|CBF74775.1 BCIN|XP\_024551178.1 BGRA|VCU39768.1 CFRU|XP\_031886488.1 CGLO|KAF3806377.1 CHIG|XP\_018162212.1 CVIN|KAF4923271.1 CVYL|A11968 FGRM|XP\_011326594.1 MGRA|XP\_003857202.1 MORY|QBZ55766.1 NCRA|XP\_956180.2 SSCL|APA10170.1

>Orthogroup4006: ANID|CBF74783.1 BCIN|XP\_024551325.1 BGRA|VDB89146.1 CFRU|XP\_031886756.1 CGLO|KAF3804094.1 CHIG|XP\_018162674.1 CVIN|KAF4919523.1 CVYL|A07055 FGRM|XP\_011326352.1 MGRA|XP\_003853403.1 MORY|QBZ55640.1 NCRA|XP\_956393.3 SSCL|APA10548.1

>Orthogroup4007: ANID|CBF74787.1 BCIN|XP\_001560565.1 BGRA|VDB94615.1 CFRU|XP\_031875600.1 CHIG|XP\_018161816.1 CVIN|KAF4926132.1 CVYL|A11578 FGRM|XP\_011318530.1 MGRA|XP\_003855905.1 MLAR|XP\_007410177.1 MORY|QBZ59350.1 NCRA|XP\_962947.1 SSCL|APA07888.1

>Orthogroup4008: ANID|CBF74795.1 BCIN|XP\_001559557.2 BGRA|VDB83901.1 CFRU|XP\_031890620.1 CGLO|KAF3805303.1 CHIG|XP\_018158622.1 CVYL|A13955 FGRM|XP\_011316431.1 MGRA|XP\_003855852.1 MLAR|XP\_007407798.1 MORY|QBZ62606.1 NCRA|XP\_964597.1 SSCL|APA09593.1

>Orthogroup4009: ANID|CBF74815.1 BCIN|XP\_001549614.1 BGRA|VDB94461.1 CFRU|XP\_031890047.1 CGLO|KAF3798708.1 CHIG|XP\_018151285.1 CVIN|KAF4910261.1 CVYL|A09204 FGRM|XP\_011323489.1 MGRA|XP\_003848771.1 MORY|QBZ58904.1 NCRA|XP\_962594.2 SSCL|APA05317.1

>Orthogroup4010: ANID|CBF74841.1 BCIN|XP\_024546300.1 BGRA|VDB91082.1 CFRU|XP\_031882930.1 CGLO|KAF3812064.1 CHIG|XP\_018164178.1 CVIN|KAF4923669.1 CVYL|A14233 FGRM|XP\_011326788.1 MLAR|XP\_007416667.1 MORY|QBZ56481.1 NCRA|XP\_011393264.1 SSCL|APA06924.1

>Orthogroup4011: ANID|CBF74843.1 BCIN|XP\_001561421.1 BGRA|VDB91085.1 CFRU|XP\_031882922.1 CGLO|KAF3812063.1 CHIG|XP\_018164180.1 CVIN|KAF4923667.1 CVYL|A14234 FGRM|XP\_011326789.1 MLAR|XP\_007407288.1 MORY|QBZ56480.1 NCRA|XP\_964684.1 SSCL|APA06925.1

>Orthogroup4012: ANID|CBF74845.1 BCIN|XP\_001556201.1 BGRA|VDB91124.1 CFRU|XP\_031892402.1 CHIG|XP\_018153543.1 CVIN|KAF4919856.1 CVYL|A00081 FGRM|XP\_011316117.1 MGRA|XP\_003852364.1 MLAR|XP\_007409624.1 MORY|QBZ55580.1 NCRA|XP\_965113.1 SSCL|APA09031.1

>Orthogroup4013: ANID|CBF74854.1 BCIN|XP\_024546631.1 BGRA|VDB90759.1 CFRU|XP\_031892685.1 CGLO|KAF3812288.1 CHIG|XP\_018153517.1 CVIN|KAF4919869.1 CVYL|A00092 FGRM|XP\_011316105.1 MLAR|XP\_007405237.1 MORY|QBZ55581.1 NCRA|XP\_965132.3 SSCL|APA06463.1

>Orthogroup4014: ANID|CBF74877.1 BCIN|XP\_001551514.1 BGRA|VCU40180.1 CFRU|XP\_031880493.1 CHIG|XP\_018160771.1 CVIN|KAF4926768.1 CVYL|A04722 FGRM|XP\_011317813.1 MGRA|XP\_003855469.1 MLAR|XP\_007413152.1 MORY|QBZ58760.1 NCRA|XP\_961913.1 SSCL|APA05765.1

>Orthogroup4015: ANID|CBF74918.1 BCIN|XP\_024547745.1 BGRA|VDB90411.1 CFRU|XP\_031890705.1 CGLO|KAF3801592.1 CHIG|XP\_018151357.1 CVIN|KAF4922694.1 CVYL|A12543 FGRM|XP\_011320352.1 MLAR|XP\_007412123.1 MORY|QBZ59074.1 NCRA|XP\_960426.3 SSCL|APA07998.1

>Orthogroup4016: ANID|CBF74977.1 BCIN|XP\_024551836.1 CFRU|XP\_031889666.1 CFRU|XP\_031892637.1 CGLO|KAF3807222.1 CGLO|KAF3810505.1 CVIN|KAF4924686.1 CVIN|KAF4928121.1 CVYL|A10711 CVYL|A14111 MGRA|XP\_003856728.1 MGRA|XP\_003856798.1 SSCL|APA14740.1

>Orthogroup4017: ANID|CBF75030.1 BCIN|XP\_024549721.1 BGRA|VDB90966.1 CFRU|XP\_031882783.1 CGLO|KAF3803408.1 CHIG|XP\_018163925.1 CVIN|KAF4918437.1 CVYL|A14337 FGRM|XP\_011316873.1 MLAR|XP\_007403693.1 MORY|QBZ56022.1 NCRA|XP\_963867.3 SSCL|APA05453.1

>Orthogroup4018: ANID|CBF75032.1 BCIN|XP\_001554912.1 BGRA|VDB91059.1 CFRU|XP\_031882885.1 CGLO|KAF3806675.1 CHIG|XP\_018164192.1 CVIN|KAF4923657.1 CVYL|A14218 FGRM|XP\_011317139.1 MGRA|XP\_003851632.1 MORY|QBZ63761.1 NCRA|XP\_957961.3 SSCL|APA08351.1

>Orthogroup4019: ANID|CBF75046.1 BCIN|XP\_001558696.1 BGRA|VDB91018.1 CFRU|XP\_031888536.1 CGLO|KAF3803748.1 CHIG|XP\_018153165.1 CVIN|KAF4912477.1 CVYL|A14128 FGRM|XP\_011316248.1 MGRA|XP\_003851372.1 MORY|QBZ59764.1 NCRA|XP\_965090.2 SSCL|APA05471.1

>Orthogroup4020: ANID|CBF75054.1 BCIN|XP\_001554881.1 BGRA|VDB91057.1 CFRU|XP\_031888535.1 CGLO|KAF3803749.1 CHIG|XP\_018153164.1 CVIN|KAF4912478.1 CVYL|A14129 FGRM|XP\_011316249.1 MLAR|XP\_007416483.1 MORY|QBZ59779.1 NCRA|XP\_965089.3 SSCL|APA08329.1

>Orthogroup4021: ANID|CBF75076.1 BCIN|XP\_001554892.1 BGRA|VDB91054.1 CFRU|XP\_031890536.1 CGLO|KAF3804867.1 CHIG|XP\_018164399.1 CVIN|KAF4921171.1 CVYL|A12204 FGRM|XP\_011316814.1 MGRA|XP\_003851760.1 MORY|QBZ63500.1 NCRA|XP\_963735.2 SSCL|APA08337.1

>Orthogroup4022: ANID|CBF75082.1 BCIN|XP\_001554913.1 BGRA|VDB91048.1 CFRU|XP\_031888503.1 CHIG|XP\_018164052.1 CVIN|KAF4922269.1 CVYL|A14467 FGRM|XP\_011316790.1 MGRA|XP\_003851484.1 MLAR|XP\_007411566.1 MORY|QBZ62822.1 NCRA|XP\_964010.1 SSCL|APA08352.1

>Orthogroup4023: ANID|CBF75088.1 BCIN|XP\_001554923.1 BGRA|VDB91047.1 CFRU|XP\_031890604.1 CGLO|KAF3804803.1 CHIG|XP\_018164298.1 CVIN|KAF4929758.1 CVYL|A12269 FGRM|XP\_011316970.1 MLAR|XP\_007414296.1 MORY|QBZ63782.1 NCRA|XP\_965332.1 SSCL|APA08355.1

>Orthogroup4024: ANID|CBF75105.1 BCIN|XP\_024553314.1 BGRA|VDB90906.1 CFRU|XP\_031888211.1 CGLO|KAF3803657.1 CHIG|XP\_018163803.1 CVIN|KAF4928489.1 CVYL|A14590 FGRM|XP\_011317009.1 MGRA|XP\_003851645.1 MORY|QBZ54662.1 NCRA|XP\_011393197.1 SSCL|APA13625.1

>Orthogroup4025: ANID|CBF75115.1 BCIN|XP\_024551882.1 BGRA|VDB90916.1 CFRU|XP\_031888502.1 CGLO|KAF3803536.1 CHIG|XP\_018164051.1 CVIN|KAF4922268.1 CVYL|A14468 FGRM|XP\_011316789.1 MGRA|XP\_003851901.1 MORY|QBZ62821.1 NCRA|XP\_964009.1 SSCL|APA06216.1

>Orthogroup4026: ANID|CBF75117.1 BCIN|XP\_024549864.1 BGRA|VDB90915.1 CFRU|XP\_031890324.1 CHIG|XP\_018164401.1 CVIN|KAF4921172.1 CVYL|A12201 FGRM|XP\_011316816.1 MGRA|XP\_003851430.1 MLAR|XP\_007406201.1 MORY|QBZ63502.1 NCRA|XP\_963733.1 SSCL|APA05535.1

>Orthogroup4027: ANID|CBF75119.1 BCIN|XP\_024549863.1 BGRA|VDB90914.1 CFRU|XP\_031890537.1 CGLO|KAF3804868.1 CHIG|XP\_018164400.1 CVIN|KAF4921170.1 CVYL|A12203 FGRM|XP\_011316815.1 MLAR|XP\_007414089.1 MORY|QBZ63501.1 NCRA|XP\_963734.3 SSCL|APA05536.1

>Orthogroup4028: ANID|CBF75160.1 BCIN|XP\_024552584.1 BGRA|VDB87892.1 CFRU|XP\_031883370.1 CGLO|KAF3801705.1 CHIG|XP\_018159203.1 CVIN|KAF4915627.1 FGRM|XP\_011320405.1 MGRA|XP\_003853444.1 MLAR|XP\_007414831.1 MORY|QBZ64395.1 NCRA|XP\_011395043.1 SSCL|APA15648.1

>Orthogroup4029: ANID|CBF75174.1 BCIN|XP\_024548118.1 CFRU|XP\_031892417.1 CFRU|XP\_031893315.1 CGLO|KAF3797104.1 CGLO|KAF3809649.1 CVIN|KAF4922412.1 CVYL|A08399 CVYL|A10603 FGRM|XP\_011317553.1 FGRM|XP\_011319580.1 FGRM|XP\_011323297.1 FGRM|XP\_011323365.1

>Orthogroup4030: ANID|CBF75182.1 BCIN|XP\_001551173.1 CFRU|XP\_031876926.1 CHIG|XP\_018162460.1 CVIN|KAF4909762.1 CVYL|A07262 FGRM|XP\_011327002.1 MGRA|XP\_003854407.1 MLAR|XP\_007407523.1 MLAR|XP\_007410681.1 MORY|QBZ61364.1 NCRA|XP\_001728496.1 SSCL|APA15079.1

>Orthogroup4031: ANID|CBF75203.1 BCIN|XP\_024548761.1 BGRA|VDB89188.1 CFRU|XP\_031882294.1 CGLO|KAF3804433.1 CHIG|XP\_018160255.1 CVIN|KAF4930995.1 CVYL|A04139 FGRM|XP\_011324521.1 MGRA|XP\_003851225.1 MORY|QBZ54289.1 NCRA|XP\_961360.1 SSCL|APA09725.1

>Orthogroup4032: ANID|CBF75222.1 ANID|CBF84655.1 BCIN|XP\_024546724.1 CFRU|XP\_031889502.1 CGLO|KAF3805929.1 CHIG|XP\_018158929.1 CVIN|KAF4911873.1 CVYL|A13783 FGRM|XP\_011317851.1 FGRM|XP\_011322162.1 MGRA|XP\_003852873.1 NCRA|XP\_011393344.1 NCRA|XP\_965189.1

>Orthogroup4033: ANID|CBF75236.1 BCIN|XP\_024548886.1 BGRA|VDB89277.1 CFRU|XP\_031882152.1 CGLO|KAF3804456.1 CHIG|XP\_018160283.1 CVIN|KAF4930942.1 CVYL|A04167 FGRM|XP\_011324510.1 MGRA|XP\_003851263.1 MORY|QBZ53825.1 NCRA|XP\_011394496.1 SSCL|APA09406.1

>Orthogroup4034: ANID|CBF75238.1 BCIN|XP\_024548884.1 BGRA|VDB89278.1 CFRU|XP\_031882149.1 CGLO|KAF3804455.1 CHIG|XP\_018160282.1 CVIN|KAF4930946.1 CVYL|A04166 FGRM|XP\_011324511.1 MGRA|XP\_003850610.1 MORY|QBZ53826.1 NCRA|XP\_960750.1 SSCL|APA09407.1

>Orthogroup4035: ANID|CBF75240.1 BCIN|XP\_001556053.2 BGRA|VDB89279.1 CFRU|XP\_031882151.1 CGLO|KAF3804457.1 CHIG|XP\_018160284.1 CVIN|KAF4930941.1 CVYL|A04168 FGRM|XP\_011324527.1 MGRA|XP\_003850659.1 MORY|QBZ53824.1 NCRA|XP\_960752.1 SSCL|APA13965.1

>Orthogroup4036: ANID|CBF75242.1 BCIN|XP\_001561089.1 CFRU|XP\_031875818.1 CGLO|KAF3801773.1 CHIG|XP\_018159277.1 CVIN|KAF4922923.1 CVYL|A12933 FGRM|XP\_011320489.1 MGRA|XP\_003850697.1 MLAR|XP\_007407426.1 MORY|QBZ62910.1 NCRA|XP\_011395089.1 SSCL|APA06666.1

>Orthogroup4037: ANID|CBF75252.1 BCIN|XP\_001556056.1 BGRA|VDB86355.1 CFRU|XP\_031886836.1 CGLO|KAF3811221.1 CHIG|XP\_018160424.1 CVIN|KAF4931213.1 CVYL|A04389 FGRM|XP\_011323646.1 MGRA|XP\_003850605.1 MORY|QBZ59112.1 NCRA|XP\_961127.1 SSCL|APA13963.1

>Orthogroup4038: ANID|CBF75279.1 BCIN|XP\_024546074.1 BGRA|VDB92569.1 CFRU|XP\_031889598.1 CGLO|KAF3810570.1 CHIG|XP\_018159023.1 CVIN|KAF4914213.1 CVYL|A13648 FGRM|XP\_011328350.1 MGRA|XP\_003853038.1 MORY|QBZ57406.1 NCRA|XP\_959275.1 SSCL|APA07229.1

>Orthogroup4039: ANID|CBF75281.1 BCIN|XP\_024546076.1 CFRU|XP\_031889597.1 CHIG|XP\_018159024.1 CVIN|KAF4914214.1 CVYL|A13649 FGRM|XP\_011328349.1 MGRA|XP\_003853374.1 MLAR|XP\_007412005.1 MORY|QBZ57742.1 MORY|QBZ62419.1 NCRA|XP\_959274.2 SSCL|APA07228.1

>Orthogroup4040: ANID|CBF75289.1 BCIN|XP\_001548521.2 CFRU|XP\_031889909.1 CHIG|XP\_018159018.1 CVIN|KAF4914201.1 CVYL|A13664 FGRM|XP\_011316584.1 MGRA|XP\_003853373.1 MGRA|XP\_003853670.1 MLAR|XP\_007415645.1 MORY|QBZ57345.1 NCRA|XP\_959628.1 SSCL|APA07235.1

>Orthogroup4041: ANID|CBF75293.1 BCIN|XP\_024546260.1 BGRA|VCU39931.1 CFRU|XP\_031890187.1 CGLO|KAF3802872.1 CHIG|XP\_018158477.1 CVIN|KAF4923831.1 CVYL|A05141 FGRM|XP\_011316397.1 MGRA|XP\_003857401.1 MORY|QBZ55898.1 NCRA|XP\_964752.3 SSCL|APA06965.1

>Orthogroup4042: ANID|CBF75294.1 BCIN|XP\_001548387.1 CFRU|XP\_031890186.1 CGLO|KAF3802873.1 CHIG|XP\_018158476.1 CVIN|KAF4923832.1 CVYL|A05140 FGRM|XP\_011316396.1 MGRA|XP\_003852122.1 MLAR|XP\_007417082.1 MORY|QBZ55911.1 NCRA|XP\_964751.1 SSCL|APA06968.1

>Orthogroup4043: ANID|CBF75296.1 BCIN|XP\_024546258.1 CFRU|XP\_031890207.1 CGLO|KAF3802874.1 CHIG|XP\_018158475.1 CVIN|KAF4923825.1 CVYL|A05139 FGRM|XP\_011316395.1 MGRA|XP\_003852698.1 MLAR|XP\_007414462.1 MORY|QBZ55895.1 NCRA|XP\_964750.3 SSCL|APA06967.1

>Orthogroup4044: ANID|CBF75308.1 BCIN|XP\_001553325.2 BGRA|VDB85777.1 CFRU|XP\_031889397.1 CGLO|KAF3808782.1 CHIG|XP\_018155684.1 CVIN|KAF4900704.1 CVYL|A00883 FGRM|XP\_011319134.1 MGRA|XP\_003855204.1 MORY|QBZ58722.1 NCRA|XP\_960698.2 SSCL|APA15176.1

>Orthogroup4045: ANID|CBF75310.1 BCIN|XP\_024549035.1 BGRA|VDB83875.1 CFRU|XP\_031886827.1 CHIG|XP\_018158796.1 CVIN|KAF4917500.1 CVYL|A05029 FGRM|XP\_011317306.1 MGRA|XP\_003857748.1 MLAR|XP\_007416735.1 MORY|QBZ60402.1 NCRA|XP\_011393085.1 SSCL|APA09276.1

>Orthogroup4046: ANID|CBF75312.1 BCIN|XP\_001559582.1 BGRA|VDB83881.1 CFRU|XP\_031884415.1 CGLO|KAF3810339.1 CHIG|XP\_018158357.1 CVIN|KAF4895362.1 CVYL|A05767 FGRM|XP\_011316487.1 MLAR|XP\_007403506.1 MORY|QBZ55186.1 NCRA|XP\_964378.2 SSCL|APA09571.1

>Orthogroup4047: ANID|CBF75340.1 BCIN|XP\_024546159.1 CFRU|XP\_031888254.1 CGLO|KAF3803493.1 CHIG|XP\_018164023.1 CVIN|KAF4926310.1 CVYL|A14422 FGRM|XP\_011326518.1 MGRA|XP\_003855862.1 MLAR|XP\_007411751.1 MORY|QBZ54722.1 NCRA|XP\_964411.2 SSCL|APA07070.1

>Orthogroup4048: ANID|CBF75348.1 BCIN|XP\_024545979.1 BGRA|VCU39887.1 CFRU|XP\_031890188.1 CGLO|KAF3802875.1 CHIG|XP\_018158474.1 CVIN|KAF4923826.1 CVYL|A05138 FGRM|XP\_011316394.1 MGRA|XP\_003853554.1 MORY|QBZ55894.1 NCRA|XP\_964749.1 SSCL|APA07425.1

>Orthogroup4049: ANID|CBF75352.1 BCIN|XP\_024545977.1 BGRA|VDB92852.1 CFRU|XP\_031889968.1 CGLO|KAF3802876.1 CHIG|XP\_018158473.1 CVIN|KAF4923842.1 CVYL|A05137 FGRM|XP\_011316391.1 MGRA|XP\_003852758.1 MORY|QBZ55892.1 NCRA|XP\_964747.1 SSCL|APA07426.1

>Orthogroup4050: ANID|CBF75423.1 BCIN|XP\_024552893.1 BGRA|VCU39642.1 CFRU|XP\_031883103.1 CHIG|XP\_018163163.1 CVIN|KAF4900284.1 CVYL|A00588 FGRM|XP\_011326186.1 MGRA|XP\_003857181.1 MLAR|XP\_007418522.1 MORY|QBZ53914.1 NCRA|XP\_963522.1 SSCL|APA16077.1

>Orthogroup4051: ANID|CBF75427.1 ANID|CBF89217.1 BCIN|XP\_024552553.1 CFRU|XP\_031886253.1 CGLO|KAF3806211.1 CHIG|XP\_018162201.1 CVIN|KAF4931566.1 CVYL|A11798 FGRM|XP\_011320883.1 FGRM|XP\_011324144.1 MORY|QBZ55798.1 NCRA|XP\_011393807.1 SSCL|APA08650.1

>Orthogroup4052: ANID|CBF75438.1 BCIN|XP\_001549003.2 BGRA|VCU38958.1 CFRU|XP\_031887806.1 CGLO|KAF3802246.1 CHIG|XP\_018154378.1 CVIN|KAF4914866.1 CVYL|A03153 FGRM|XP\_011319834.1 MGRA|XP\_003850647.1 MORY|QBZ66149.1 NCRA|XP\_964348.1 SSCL|APA07000.1

>Orthogroup4053: ANID|CBF75450.1 BCIN|XP\_024546404.1 BGRA|VDB86302.1 CFRU|XP\_031882803.1 CGLO|KAF3812046.1 CHIG|XP\_018164169.1 CVIN|KAF4923697.1 CVYL|A14225 FGRM|XP\_011326778.1 MLAR|XP\_007418023.1 MORY|QBZ63227.1 NCRA|XP\_011393130.1 SSCL|APA07221.1

>Orthogroup4054: ANID|CBF75452.1 BCIN|XP\_024546582.1 BGRA|VDB92505.1 CFRU|XP\_031879935.1 CGLO|KAF3798985.1 CHIG|XP\_018152894.1 CVIN|KAF4923451.1 CVYL|A07902 FGRM|XP\_011324195.1 MLAR|XP\_007410175.1 MORY|QBZ53408.1 NCRA|XP\_958143.1 SSCL|APA06493.1

>Orthogroup4055: ANID|CBF75458.1 BCIN|XP\_001553553.1 CFRU|XP\_031879907.1 CGLO|KAF3798984.1 CHIG|XP\_018152893.1 CVIN|KAF4923452.1 CVYL|A07903 FGRM|XP\_011324194.1 MGRA|XP\_003851239.1 MLAR|XP\_007417004.1 MORY|QBZ53409.1 NCRA|XP\_958142.2 SSCL|APA06492.1

>Orthogroup4056: ANID|CBF75462.1 BCIN|XP\_024546687.1 BGRA|VDB92922.1 CFRU|XP\_031884354.1 CGLO|KAF3799942.1 CHIG|XP\_018153062.1 CVIN|KAF4903086.1 CVYL|A14188 FGRM|XP\_011323508.1 MGRA|XP\_003850761.1 MORY|QBZ64024.1 NCRA|XP\_964387.3 SSCL|APA06537.1

>Orthogroup4057: ANID|CBF75464.1 BCIN|XP\_001561237.2 CFRU|XP\_031890493.1 CGLO|KAF3804909.1 CHIG|XP\_018164354.1 CVIN|KAF4909782.1 CVYL|A12149 FGRM|XP\_011316798.1 MGRA|XP\_003851078.1 MLAR|XP\_007412933.1 MORY|QBZ56444.1 NCRA|XP\_001728403.1 SSCL|APA07223.1

>Orthogroup4058: ANID|CBF75468.1 BCIN|XP\_024546710.1 BGRA|VDB92879.1 CFRU|XP\_031879902.1 CGLO|KAF3798946.1 CHIG|XP\_018152872.1 CVIN|KAF4925738.1 CVYL|A07862 FGRM|XP\_011324370.1 MLAR|XP\_007411644.1 MORY|QBZ53355.1 NCRA|XP\_959530.1 SSCL|APA06580.1

>Orthogroup4059: ANID|CBF75470.1 BCIN|XP\_024551182.1 CFRU|XP\_031876950.1 CGLO|KAF3810709.1 CHIG|XP\_018162475.1 CVIN|KAF4908243.1 CVYL|A07245 FGRM|XP\_011323980.1 MGRA|XP\_003855688.1 MLAR|XP\_007415084.1 MORY|QBZ63872.1 NCRA|XP\_011393776.1 SSCL|APA10162.1

>Orthogroup4060: ANID|CBF75472.1 BCIN|XP\_024549384.1 BGRA|VDB92951.1 BGRA|VDB92953.1 CFRU|XP\_031888392.1 CGLO|KAF3803705.1 CHIG|XP\_018163746.1 CVIN|KAF4928550.1 CVYL|A14637 FGRM|XP\_011326813.1 MORY|QBZ54623.1 NCRA|XP\_965055.1 SSCL|APA09036.1

>Orthogroup4061: ANID|CBF75474.1 BCIN|XP\_024549383.1 BGRA|VDB92954.1 CFRU|XP\_031888389.1 CGLO|KAF3803706.1 CHIG|XP\_018163745.1 CVIN|KAF4928549.1 CVYL|A14638 FGRM|XP\_011326814.1 MGRA|XP\_003850567.1 MORY|QBZ54624.1 NCRA|XP\_963874.1 SSCL|APA09035.1

>Orthogroup4062: ANID|CBF75484.1 BCIN|XP\_001556485.1 BGRA|VDB92964.1 CFRU|XP\_031888393.1 CGLO|KAF3803702.1 CHIG|XP\_018163749.1 CVIN|KAF4928552.1 CVYL|A14634 FGRM|XP\_011326809.1 MLAR|XP\_007409027.1 MORY|QBZ54620.1 NCRA|XP\_963880.1 SSCL|APA06531.1

>Orthogroup4063: ANID|CBF75493.1 BCIN|XP\_024552913.1 CFRU|XP\_031887300.1 CGLO|KAF3809220.1 CHIG|XP\_018156047.1 CVIN|KAF4925348.1 CVYL|A01409 FGRM|XP\_011319069.1 MGRA|XP\_003857557.1 MLAR|XP\_007413467.1 MORY|QBZ57076.1 NCRA|XP\_961332.2 SSCL|APA07528.1

>Orthogroup4064: ANID|CBF75508.1 BCIN|XP\_001550569.1 BGRA|VDB93061.1 CFRU|XP\_031882060.1 CGLO|KAF3797861.1 CHIG|XP\_018164494.1 CVIN|KAF4911575.1 CVYL|A07341 FGRM|XP\_011325036.1 MGRA|XP\_003848266.1 MORY|QBZ60569.1 NCRA|XP\_959600.2 SSCL|APA14167.1

>Orthogroup4065: ANID|CBF75522.1 BCIN|XP\_024553173.1 CFRU|XP\_031877674.1 CGLO|KAF3801089.1 CHIG|XP\_018153740.1 CVIN|KAF4909535.1 CVYL|A11306 FGRM|XP\_011327786.1 MGRA|XP\_003851862.1 MLAR|XP\_007416875.1 MORY|QBZ60602.1 NCRA|XP\_959776.1 SSCL|APA13422.1

>Orthogroup4066: ANID|CBF75525.1 BCIN|XP\_001550571.1 BGRA|VDB89067.1 CFRU|XP\_031877629.1 CGLO|KAF3801066.1 CHIG|XP\_018153712.1 CVIN|KAF4902057.1 CVYL|A00124 FGRM|XP\_011327835.1 MGRA|XP\_003848670.1 MORY|QBZ60560.1 NCRA|XP\_011395171.1 SSCL|APA14165.1

>Orthogroup4067: ANID|CBF75529.1 BCIN|XP\_024553191.1 BGRA|VCU40053.1 CFRU|XP\_031892112.1 CGLO|KAF3800063.1 CHIG|XP\_018165012.1 CVIN|KAF4919319.1 CVYL|A06762 FGRM|XP\_011324992.1 MGRA|XP\_003851586.1 MORY|QBZ60009.1 NCRA|XP\_956335.1 SSCL|APA13455.1

>Orthogroup4068: ANID|CBF75556.1 BCIN|XP\_001552520.1 BGRA|VDB94886.1 CFRU|XP\_031887092.1 CHIG|XP\_018160561.1 CVYL|A04516 FGRM|XP\_011326903.1 MGRA|XP\_003855365.1 MGRA|XP\_003856954.1 MLAR|XP\_007414900.1 MORY|QBZ57007.1 NCRA|XP\_961514.1 SSCL|APA10789.1

>Orthogroup4069: ANID|CBF75560.1 BCIN|XP\_024547184.1 BGRA|VCU40057.1 CFRU|XP\_031877610.1 CGLO|KAF3801076.1 CHIG|XP\_018153724.1 CVIN|KAF4892462.1 CVYL|A00013 FGRM|XP\_011327796.1 MLAR|XP\_007406336.1 MORY|QBZ62333.1 NCRA|XP\_959225.1 SSCL|APA14114.1

>Orthogroup4070: ANID|CBF75568.1 BCIN|XP\_001546158.1 CFRU|XP\_031885533.1 CGLO|KAF3799532.1 CHIG|XP\_018154522.1 CVIN|KAF4931835.1 CVYL|A13392 FGRM|XP\_011324920.1 MGRA|XP\_003852885.1 MLAR|XP\_007416828.1 MORY|QBZ62066.1 NCRA|XP\_963515.2 SSCL|APA16283.1

>Orthogroup4071: ANID|CBF75594.1 BCIN|XP\_024553055.1 BGRA|VCU39712.1 CFRU|XP\_031878049.1 CGLO|KAF3799632.1 CHIG|XP\_018154638.1 CVIN|KAF4926437.1 CVYL|A13495 FGRM|XP\_011315982.1 MGRA|XP\_003857259.1 MORY|QBZ61028.1 NCRA|XP\_963679.2 SSCL|APA16144.1

>Orthogroup4072: ANID|CBF75608.1 BCIN|XP\_001547632.1 CFRU|XP\_031892260.1 CGLO|KAF3805578.1 CHIG|XP\_018164724.1 CVIN|KAF4922348.1 CVYL|A07624 FGRM|XP\_011324972.1 MGRA|XP\_003851724.1 MLAR|XP\_007407386.1 MORY|QBZ60939.1 NCRA|XP\_959969.1 SSCL|APA14335.1

>Orthogroup4073: ANID|CBF75621.1 BCIN|XP\_001549143.1 BGRA|VCU38754.1 CFRU|XP\_031887117.1 CGLO|KAF3811308.1 CHIG|XP\_018160532.1 CVIN|KAF4927205.1 CVYL|A04487 FGRM|XP\_011326464.1 MGRA|XP\_003856881.1 MORY|QBZ58004.1 NCRA|XP\_956752.3 SSCL|APA15377.1

>Orthogroup4074: ANID|CBF75634.1 BCIN|XP\_024546708.1 BGRA|VDB89207.1 CFRU|XP\_031890903.1 CGLO|KAF3801684.1 CHIG|XP\_018151465.1 CVIN|KAF4896993.1 CVYL|A12452 FGRM|XP\_011328479.1 MGRA|XP\_003856539.1 MORY|QBZ62680.1 NCRA|XP\_957665.1 SSCL|APA06557.1

>Orthogroup4075: ANID|CBF75636.1 BCIN|XP\_024548827.1 BGRA|VCU40230.1 CFRU|XP\_031890209.1 CGLO|KAF3802904.1 CHIG|XP\_018158508.1 CVIN|KAF4907427.1 CVYL|A05109 FGRM|XP\_011316581.1 MGRA|XP\_003856811.1 MORY|QBZ55978.1 NCRA|XP\_964761.1 SSCL|APA09614.1

>Orthogroup4076: ANID|CBF75640.1 BCIN|XP\_001552399.1 BGRA|VDB89704.1 CFRU|XP\_031876514.1 CGLO|KAF3796997.1 CHIG|XP\_018153690.1 CVIN|KAF4894839.1 CVYL|A00346 FGRM|XP\_011317174.1 MGRA|XP\_003856831.1 MORY|QBZ63964.1 NCRA|XP\_965357.1 SSCL|APA14906.1

>Orthogroup4077: ANID|CBF75644.1 BCIN|XP\_024551844.1 BGRA|VDB92643.1 CFRU|XP\_031876508.1 CGLO|KAF3797003.1 CHIG|XP\_018153681.1 CVIN|KAF4894118.1 CVYL|A00370 FGRM|XP\_011317164.1 MGRA|XP\_003857126.1 MORY|QBZ63945.1 NCRA|XP\_963746.3 SSCL|APA06280.1

>Orthogroup4078: ANID|CBF75646.1 BCIN|XP\_024551906.1 BGRA|VDB90437.1 CFRU|XP\_031879779.1 CGLO|KAF3802992.1 CHIG|XP\_018153621.1 CVIN|KAF4929923.1 CVYL|A00425 FGRM|XP\_011316921.1 MGRA|XP\_003857131.1 MORY|QBZ55598.1 NCRA|XP\_011393019.1 SSCL|APA06315.1

>Orthogroup4079: ANID|CBF75648.1 BCIN|XP\_001556451.2 BGRA|VDB95013.1 CFRU|XP\_031890959.1 CGLO|KAF3801679.1 CHIG|XP\_018151458.1 CVIN|KAF4896998.1 CVYL|A12457 FGRM|XP\_011328492.1 MGRA|XP\_003856901.1 MORY|QBZ62631.1 NCRA|XP\_960336.1 SSCL|APA06554.1

>Orthogroup4080: ANID|CBF75653.1 BCIN|XP\_001549120.1 BGRA|VDB90473.1 CFRU|XP\_031876497.1 CGLO|KAF3797007.1 CHIG|XP\_018153677.1 CVIN|KAF4894116.1 CVYL|A00373 FGRM|XP\_011317161.1 MORY|QBZ63938.1 NCRA|XP\_959752.1 NCRA|XP\_963833.3 SSCL|APA06323.1

>Orthogroup4081: ANID|CBF75657.1 BCIN|XP\_024551895.1 BGRA|VDB90477.1 CFRU|XP\_031888325.1 CGLO|KAF3803582.1 CHIG|XP\_018163887.1 CVIN|KAF4920346.1 CVYL|A14515 FGRM|XP\_011316758.1 MLAR|XP\_007414527.1 MORY|QBZ55362.1 NCRA|XP\_964057.1 SSCL|APA06325.1

>Orthogroup4082: ANID|CBF75661.1 BCIN|XP\_001552401.1 BGRA|VDB92457.1 CFRU|XP\_031876509.1 CVIN|KAF4894834.1 CVYL|A00364 FGRM|XP\_011317172.1 MGRA|XP\_003856856.1 MLAR|XP\_007410950.1 MLAR|XP\_007419102.1 MORY|QBZ63961.1 NCRA|XP\_965360.1 SSCL|APA14904.1

>Orthogroup4083: ANID|CBF75681.1 BCIN|XP\_001546914.1 BGRA|VDB95199.1 CFRU|XP\_031890824.1 CGLO|KAF3801612.1 CVIN|KAF4922721.1 CVYL|A12524 FGRM|XP\_011328207.1 MGRA|XP\_003856444.1 MLAR|XP\_007405771.1 MORY|QBZ53884.1 NCRA|XP\_960286.1 SSCL|APA14841.1

>Orthogroup4084: ANID|CBF75685.1 BCIN|XP\_024551602.1 BGRA|VDB95070.1 CFRU|XP\_031890823.1 CGLO|KAF3801611.1 CHIG|XP\_018151374.1 CVIN|KAF4922705.1 CVYL|A12525 FGRM|XP\_011328209.1 MLAR|XP\_007418404.1 MORY|QBZ53885.1 NCRA|XP\_011394906.1 SSCL|APA14837.1

>Orthogroup4085: ANID|CBF75695.1 BCIN|XP\_001558438.1 BGRA|VDB90450.1 CFRU|XP\_031876501.1 CHIG|XP\_018153671.1 CVYL|A00378 CVYL|A09906 FGRM|XP\_011317073.1 MGRA|XP\_003857273.1 MLAR|XP\_007410104.1 MORY|QBZ63931.1 NCRA|XP\_963851.1 SSCL|APA14744.1

>Orthogroup4086: ANID|CBF75699.1 BCIN|XP\_001558445.1 BGRA|VDB95006.1 CFRU|XP\_031883919.1 CGLO|KAF3805068.1 CHIG|XP\_018163449.1 CVIN|KAF4902238.1 CVYL|A06492 FGRM|XP\_011318751.1 MLAR|XP\_007410629.1 MORY|QBZ54173.1 NCRA|XP\_957484.1 SSCL|APA14738.1

>Orthogroup4087: ANID|CBF75701.1 BCIN|XP\_001558535.2 BGRA|VDB95074.1 CFRU|XP\_031890842.1 CGLO|KAF3801615.1 CHIG|XP\_018151377.1 CVIN|KAF4922708.1 CVYL|A12521 FGRM|XP\_011328204.1 MGRA|XP\_003857107.1 MORY|QBZ53881.1 NCRA|XP\_960372.1 SSCL|APA14674.1

>Orthogroup4088: ANID|CBF75704.1 BCIN|XP\_024551648.1 CFRU|XP\_031879812.1 CGLO|KAF3802975.1 CHIG|XP\_018153638.1 CVIN|KAF4929908.1 CVYL|A00408 FGRM|XP\_011316896.1 MGRA|XP\_003856755.1 MLAR|XP\_007411273.1 MORY|QBZ63573.1 NCRA|XP\_963827.1 SSCL|APA14762.1

>Orthogroup4089: ANID|CBF75727.1 BCIN|XP\_001558460.1 BGRA|VDB94991.1 CFRU|XP\_031883938.1 CGLO|KAF3805120.1 CHIG|XP\_018163397.1 CVIN|KAF4927478.1 CVYL|A06437 FGRM|XP\_011316286.1 MGRA|XP\_003857271.1 MORY|QBZ59525.1 NCRA|XP\_957488.1 SSCL|APA14725.1

>Orthogroup4090: ANID|CBF75748.1 BCIN|XP\_001548122.2 BGRA|VDB93265.1 CFRU|XP\_031890009.1 CGLO|KAF3802887.1 CHIG|XP\_018158499.1 CVIN|KAF4913040.1 CVYL|A05126 FGRM|XP\_011316399.1 MLAR|XP\_007412443.1 MORY|QBZ55404.1 NCRA|XP\_963817.2 SSCL|APA09547.1

>Orthogroup4091: ANID|CBF75789.1 BCIN|XP\_001559684.1 CFRU|XP\_031890119.1 CGLO|KAF3802885.1 CHIG|XP\_018158497.1 CVIN|KAF4913027.1 CVYL|A05128 FGRM|XP\_011316414.1 MGRA|XP\_003857660.1 MLAR|XP\_007416322.1 MORY|QBZ55406.1 NCRA|XP\_963819.3 SSCL|APA09434.1

>Orthogroup4092: ANID|CBF75800.1 BCIN|XP\_024550116.1 BGRA|VCU39803.1 CFRU|XP\_031892943.1 CGLO|KAF3809657.1 CHIG|XP\_018152538.1 CVYL|A08396 FGRM|XP\_011317916.1 MGRA|XP\_003848405.1 MLAR|XP\_007404877.1 MORY|QBZ54871.1 NCRA|XP\_011394725.1 SSCL|APA10591.1

>Orthogroup4093: ANID|CBF75809.1 BCIN|XP\_024550109.1 BGRA|VCU39753.1 CFRU|XP\_031892948.1 CGLO|KAF3809653.1 CHIG|XP\_018152543.1 CVIN|KAF4925043.1 CVYL|A08393 FGRM|XP\_011317920.1 MGRA|XP\_003848406.1 MORY|QBZ54863.1 NCRA|XP\_958699.3 SSCL|APA10600.1

>Orthogroup4094: ANID|CBF75813.1 BCIN|XP\_001554171.1 BGRA|VCU39776.1 CFRU|XP\_031893423.1 CHIG|XP\_018152429.1 CVIN|KAF4916838.1 CVYL|A09530 FGRM|XP\_011317880.1 MGRA|XP\_003848509.1 MLAR|XP\_007416942.1 MORY|QBZ54056.1 NCRA|XP\_961294.1 SSCL|APA10188.1

>Orthogroup4095: ANID|CBF75817.1 BCIN|XP\_001560998.1 BGRA|VDB90718.1 CFRU|XP\_031888481.1 CGLO|KAF3803519.1 CHIG|XP\_018164070.1 CVIN|KAF4922266.1 CVYL|A14449 FGRM|XP\_011316167.1 MGRA|XP\_003853157.1 MORY|QBZ56432.1 NCRA|XP\_964699.1 SSCL|APA06723.1

>Orthogroup4096: ANID|CBF75825.1 BCIN|XP\_001554088.1 CFRU|XP\_031888209.1 CGLO|KAF3803665.1 CHIG|XP\_018163794.1 CVIN|KAF4928557.1 CVYL|A14597 FGRM|XP\_011317043.1 MGRA|XP\_003853237.1 MLAR|XP\_007410383.1 MORY|QBZ54658.1 NCRA|XP\_011393389.1 SSCL|APA05559.1

>Orthogroup4097: ANID|CBF75841.1 BCIN|XP\_001560033.1 BGRA|VCU40234.1 CFRU|XP\_031889818.1 CHIG|XP\_018158862.1 CVIN|KAF4907184.1 CVYL|A13851 FGRM|XP\_011316598.1 MGRA|XP\_003852180.1 MLAR|XP\_007406511.1 MORY|QBZ56048.1 NCRA|XP\_965255.1 SSCL|APA09869.1

>Orthogroup4098: ANID|CBF75876.1 BCIN|XP\_001552998.1 CFRU|XP\_031893044.1 CFRU|XP\_031893045.1 CGLO|KAF3798375.1 CGLO|KAF3798376.1 CHIG|XP\_018151684.1 CHIG|XP\_018152734.1 CHIG|XP\_018157691.1 CHIG|XP\_018162806.1 CVIN|KAF4922811.1 CVIN|KAF4922846.1 CVYL|A08200

>Orthogroup4099: ANID|CBF76119.1 ANID|CBF85040.1 BCIN|XP\_024553215.1 BGRA|VDB93890.1 CFRU|XP\_031888520.1 CHIG|XP\_018153179.1 CVIN|KAF4928504.1 CVYL|A14116 MGRA|XP\_003856642.1 MLAR|XP\_007404442.1 MORY|QBZ59789.1 NCRA|XP\_965645.1 SSCL|APA13486.1

>Orthogroup4100: ANID|CBF76183.1 BCIN|XP\_001548549.1 BGRA|VDB90530.1 CFRU|XP\_031890685.1 CGLO|KAF3804839.1 CHIG|XP\_018164334.1 CVIN|KAF4929782.1 CVYL|A12234 FGRM|XP\_011316222.1 MGRA|XP\_003857241.1 MORY|QBZ63625.1 NCRA|XP\_963738.2 SSCL|APA06604.1

>Orthogroup4101: ANID|CBF76203.1 BCIN|XP\_024546368.1 BGRA|VDB90980.1 CFRU|XP\_031890353.1 CGLO|KAF3804946.1 CHIG|XP\_018164452.1 CVIN|KAF4919415.1 CVYL|A12107 FGRM|XP\_011316863.1 MGRA|XP\_003847265.1 MORY|QBZ54731.1 NCRA|XP\_964419.1 SSCL|APA06845.1

>Orthogroup4102: ANID|CBF76253.1 BCIN|XP\_024549232.1 BGRA|VDB90534.1 CFRU|XP\_031890665.1 CGLO|KAF3804941.1 CHIG|XP\_018164446.1 CVIN|KAF4919412.1 CVYL|A12113 FGRM|XP\_011316076.1 MGRA|XP\_003856208.1 MORY|QBZ54712.1 NCRA|XP\_964423.2 SSCL|APA08962.1

>Orthogroup4103: ANID|CBF76255.1 BCIN|XP\_024552836.1 CFRU|XP\_031889405.1 CGLO|KAF3808776.1 CHIG|XP\_018155678.1 CHIG|XP\_018165039.1 CVIN|KAF4900701.1 CVYL|A00887 FGRM|XP\_011319241.1 MGRA|XP\_003857399.1 MORY|QBZ58657.1 NCRA|XP\_960607.2 SSCL|APA07616.1

>Orthogroup4104: ANID|CBF76285.1 BCIN|XP\_001546317.1 BGRA|VDB88105.1 CFRU|XP\_031878530.1 CGLO|KAF3798617.1 CHIG|XP\_018153914.1 CVIN|KAF4930147.1 CVYL|A04828 FGRM|XP\_011324693.1 MLAR|XP\_007405227.1 MORY|QBZ60932.1 NCRA|XP\_959885.1 SSCL|APA14313.1

>Orthogroup4105: ANID|CBF76287.1 BCIN|XP\_001546325.2 BGRA|VDB88966.1 CFRU|XP\_031881914.1 CGLO|KAF3806089.1 CHIG|XP\_018164583.1 CVIN|KAF4909968.1 CVYL|A07423 FGRM|XP\_011315985.1 MGRA|XP\_003848727.1 MORY|QBZ62269.1 NCRA|XP\_959930.1 SSCL|APA14307.1

>Orthogroup4106: ANID|CBF76296.1 BCIN|XP\_024550628.1 BGRA|VCU39550.1 CFRU|XP\_031887160.1 CGLO|KAF3809203.1 CHIG|XP\_018156035.1 CVIN|KAF4925316.1 CVYL|A01393 FGRM|XP\_011318818.1 MGRA|XP\_003856122.1 MORY|QBZ57075.1 NCRA|XP\_960689.1 SSCL|APA11442.1

>Orthogroup4107: ANID|CBF76298.1 BCIN|XP\_001557548.1 BGRA|VCU40751.1 CFRU|XP\_031892593.1 CGLO|KAF3809131.1 CHIG|XP\_018155963.1 CVIN|KAF4922126.1 CVYL|A01315 FGRM|XP\_011319191.1 MGRA|XP\_003856021.1 MORY|QBZ57326.1 NCRA|XP\_958848.1 SSCL|APA12351.1

>Orthogroup4108: ANID|CBF76306.1 BCIN|XP\_001551029.2 BGRA|VDB88956.1 CFRU|XP\_031892050.1 CGLO|KAF3805644.1 CHIG|XP\_018164683.1 CVIN|KAF4925683.1 CVYL|A07555 FGRM|XP\_011324669.1 MGRA|XP\_003848704.1 MORY|QBZ62304.1 NCRA|XP\_959900.1 SSCL|APA14304.1

>Orthogroup4109: ANID|CBF76320.1 BCIN|XP\_001557546.1 BGRA|VCU40752.1 CFRU|XP\_031892378.1 CGLO|KAF3809132.1 CHIG|XP\_018155962.1 CVIN|KAF4922119.1 CVYL|A01316 FGRM|XP\_011319190.1 MGRA|XP\_003857634.1 MORY|QBZ57325.1 NCRA|XP\_958847.1 SSCL|APA12352.1

>Orthogroup4110: ANID|CBF76324.1 BCIN|XP\_024547137.1 BGRA|VDB88841.1 CFRU|XP\_031881960.1 CGLO|KAF3806163.1 CHIG|XP\_018164496.1 CVIN|KAF4911582.1 CVYL|A07344 FGRM|XP\_011325038.1 MLAR|XP\_007409692.1 MORY|QBZ60567.1 NCRA|XP\_959599.2 SSCL|APA14038.1

>Orthogroup4111: ANID|CBF76328.1 BCIN|XP\_001546315.2 BGRA|VDB89011.1 CFRU|XP\_031881918.1 CGLO|KAF3806085.1 CHIG|XP\_018164587.1 CVIN|KAF4909964.1 CVYL|A07427 FGRM|XP\_011315988.1 MGRA|XP\_003851545.1 MLAR|XP\_007417489.1 NCRA|XP\_959926.1 SSCL|APA14309.1

>Orthogroup4112: ANID|CBF76332.1 BCIN|XP\_001547616.1 BGRA|VDB89023.1 CFRU|XP\_031881955.1 CGLO|KAF3806158.1 CHIG|XP\_018164503.1 CVIN|KAF4891767.1 CVYL|A07349 FGRM|XP\_011325045.1 MGRA|XP\_003851418.1 MORY|QBZ59009.1 NCRA|XP\_959710.1 SSCL|APA14323.1

>Orthogroup4113: ANID|CBF76342.1 BCIN|XP\_024551921.1 BGRA|VDB89615.1 CFRU|XP\_031883923.1 CGLO|KAF3797452.1 CHIG|XP\_018163553.1 CVIN|KAF4905669.1 CVYL|A09886 FGRM|XP\_011316963.1 MGRA|XP\_003853919.1 MORY|QBZ54891.1 NCRA|XP\_962147.1 SSCL|APA06356.1

>Orthogroup4114: ANID|CBF76344.1 BCIN|XP\_024548717.1 BGRA|VDB89331.1 CFRU|XP\_031885406.1 CGLO|KAF3799405.1 CHIG|XP\_018152265.1 CVIN|KAF4931741.1 CVYL|A13269 FGRM|XP\_011324602.1 MGRA|XP\_003857551.1 MORY|QBZ53939.1 NCRA|XP\_011393518.1 SSCL|APA09992.1

>Orthogroup4115: ANID|CBF76350.1 BCIN|XP\_024551947.1 BGRA|VDB83946.1 CFRU|XP\_031882826.1 CGLO|KAF3803387.1 CHIG|XP\_018163944.1 CVIN|KAF4918449.1 CVYL|A14317 FGRM|XP\_011316139.1 MGRA|XP\_003854762.1 MORY|QBZ56020.1 NCRA|XP\_011393108.1 SSCL|APA06389.1

>Orthogroup4116: ANID|CBF76360.1 BCIN|XP\_024551813.1 CFRU|XP\_031891035.1 CGLO|KAF3801597.1 CHIG|XP\_018151351.1 CVIN|KAF4922680.1 CVYL|A12538 FGRM|XP\_011317510.1 FGRM|XP\_011320346.1 MGRA|XP\_003854727.1 MORY|QBZ55755.1 NCRA|XP\_011394907.1 SSCL|APA14696.1

>Orthogroup4117: ANID|CBF76364.1 BCIN|XP\_001556857.1 BGRA|VDB95053.1 CFRU|XP\_031883399.1 CGLO|KAF3801685.1 CHIG|XP\_018159196.1 CVIN|KAF4895620.1 CVYL|A12451 FGRM|XP\_011320294.1 MGRA|XP\_003854596.1 MORY|QBZ59061.1 NCRA|XP\_960298.1 SSCL|APA14814.1

>Orthogroup4118: ANID|CBF76390.1 BCIN|XP\_024551802.1 BGRA|VDB95069.1 CFRU|XP\_031890846.1 CGLO|KAF3801619.1 CHIG|XP\_018151381.1 CVIN|KAF4922719.1 CVYL|A12517 FGRM|XP\_011328200.1 MLAR|XP\_007412551.1 MORY|QBZ53875.1 NCRA|XP\_960376.1 SSCL|APA14665.1

>Orthogroup4119: ANID|CBF76394.1 BCIN|XP\_024551801.1 BGRA|VDB95067.1 CFRU|XP\_031890848.1 CGLO|KAF3801621.1 CHIG|XP\_018151383.1 CVYL|A12515 FGRM|XP\_011328198.1 MGRA|XP\_003855726.1 MLAR|XP\_007412689.1 MORY|QBZ53873.1 NCRA|XP\_960373.2 SSCL|APA14663.1

>Orthogroup4120: ANID|CBF76396.1 BCIN|XP\_001558543.1 BGRA|VDB95068.1 CFRU|XP\_031890847.1 CGLO|KAF3801620.1 CHIG|XP\_018151382.1 CVIN|KAF4922701.1 CVYL|A12516 FGRM|XP\_011328199.1 MGRA|XP\_003855538.1 MORY|QBZ53874.1 NCRA|XP\_960375.1 SSCL|APA14664.1

>Orthogroup4121: ANID|CBF76408.1 BCIN|XP\_001556831.2 CFRU|XP\_031884864.1 CGLO|KAF3801036.1 CHIG|XP\_018153296.1 CVIN|KAF4908684.1 CVYL|A00348 FGRM|XP\_011321576.1 MLAR|XP\_007413640.1 MLAR|XP\_007419343.1 MORY|QBZ53845.1 NCRA|XP\_962031.2 SSCL|APA14606.1

>Orthogroup4122: ANID|CBF76431.1 BCIN|XP\_001553909.2 CFRU|XP\_031878726.1 CGLO|KAF3798330.1 CHIG|XP\_018151145.1 CVIN|KAF4920294.1 CVYL|A09038 FGRM|XP\_011323766.1 MGRA|XP\_003849731.1 MLAR|XP\_007414612.1 MORY|QBZ56200.1 NCRA|XP\_962352.1 SSCL|APA13136.1

>Orthogroup4123: ANID|CBF76433.1 BCIN|XP\_001558426.1 CFRU|XP\_031883841.1 CGLO|KAF3805064.1 CHIG|XP\_018163453.1 CVIN|KAF4902233.1 CVYL|A06496 FGRM|XP\_011318758.1 MGRA|XP\_003854764.1 MLAR|XP\_007411401.1 MORY|QBZ59520.1 NCRA|XP\_011394096.1 SSCL|APA14755.1

>Orthogroup4124: ANID|CBF76435.1 BCIN|XP\_001556666.1 BGRA|VDB89489.1 CFRU|XP\_031881483.1 CGLO|KAF3805804.1 CHIG|XP\_018163697.1 CVIN|KAF4920932.1 CVYL|A06018 FGRM|XP\_011318724.1 MGRA|XP\_003855729.1 MORY|QBZ63075.1 NCRA|XP\_962140.1 SSCL|APA14791.1

>Orthogroup4125: ANID|CBF76441.1 BCIN|XP\_001556797.1 BGRA|VDB89721.1 CFRU|XP\_031884882.1 CGLO|KAF3800995.1 CHIG|XP\_018153248.1 CVIN|KAF4912990.1 CVYL|A05911 FGRM|XP\_011321600.1 MLAR|XP\_007406941.1 MORY|QBZ59404.1 NCRA|XP\_011394342.1 SSCL|APA14574.1

>Orthogroup4126: ANID|CBF76445.1 BCIN|XP\_001556655.1 CFRU|XP\_031884777.1 CGLO|KAF3800968.1 CHIG|XP\_018153228.1 CVIN|KAF4913279.1 CVYL|A05937 CVYL|A10013 FGRM|XP\_011321608.1 FGRM|XP\_011326054.1 MGRA|XP\_003855828.1 NCRA|XP\_962097.1 SSCL|APA14785.1

>Orthogroup4127: ANID|CBF76459.1 BCIN|XP\_024551912.1 BGRA|VDB89509.1 CFRU|XP\_031883917.1 CHIG|XP\_018163550.1 CVIN|KAF4905668.1 CVYL|A09891 FGRM|XP\_011316285.1 MGRA|XP\_003853650.1 MLAR|XP\_007409597.1 MORY|QBZ54882.1 NCRA|XP\_011394229.1 SSCL|APA06343.1

>Orthogroup4128: ANID|CBF76460.1 BCIN|XP\_001546636.1 CFRU|XP\_031882822.1 CGLO|KAF3803389.1 CHIG|XP\_018163942.1 CVIN|KAF4918445.1 CVYL|A14319 FGRM|XP\_011316142.1 MGRA|XP\_003854641.1 MLAR|XP\_007416714.1 MORY|QBZ56005.1 NCRA|XP\_965299.1 SSCL|APA06351.1

>Orthogroup4129: ANID|CBF76464.1 BCIN|XP\_024551719.1 BGRA|VDB89500.1 CFRU|XP\_031884820.1 CGLO|KAF3812237.1 CHIG|XP\_018153470.1 CVIN|KAF4919917.1 CVYL|A00149 FGRM|XP\_011316912.1 MLAR|XP\_007406055.1 MORY|QBZ55251.1 NCRA|XP\_963742.1 SSCL|APA14559.1

>Orthogroup4130: ANID|CBF76468.1 BCIN|XP\_001556674.1 BGRA|VDB92607.1 CFRU|XP\_031881517.1 CGLO|KAF3805765.1 CHIG|XP\_018163655.1 CVIN|KAF4926560.1 CVYL|A06051 FGRM|XP\_011318723.1 MGRA|XP\_003854690.1 MORY|QBZ59426.1 NCRA|XP\_962547.1 SSCL|APA14797.1

>Orthogroup4131: ANID|CBF76474.1 BCIN|XP\_001556746.2 BGRA|VDB89502.1 CFRU|XP\_031884962.1 CGLO|KAF3812149.1 CHIG|XP\_018153387.1 CVIN|KAF4918725.1 CVYL|A00244 FGRM|XP\_011318731.1 MGRA|XP\_003855727.1 MORY|QBZ55290.1 NCRA|XP\_964668.3 SSCL|APA14538.1

>Orthogroup4132: ANID|CBF76476.1 BCIN|XP\_001550033.1 BGRA|VCU41016.1 CFRU|XP\_031882452.1 CGLO|KAF3809406.1 CHIG|XP\_018156259.1 CVIN|KAF4916416.1 CVYL|A03073 FGRM|XP\_011324303.1 MGRA|XP\_003847995.1 MLAR|XP\_007404192.1 MORY|QBZ56145.1 SSCL|APA10479.1

>Orthogroup4133: ANID|CBF76484.1 BCIN|XP\_024551428.1 BGRA|VCU41049.1 CFRU|XP\_031885226.1 CGLO|KAF3807725.1 CHIG|XP\_018162961.1 CVIN|KAF4920515.1 CVYL|A06920 FGRM|XP\_011326204.1 MGRA|XP\_003852667.1 MLAR|XP\_007406526.1 NCRA|XP\_957728.2 SSCL|APA10668.1

>Orthogroup4134: ANID|CBF76502.1 BCIN|XP\_001550012.2 BGRA|VCU39900.1 CFRU|XP\_031884337.1 CGLO|KAF3806473.1 CHIG|XP\_018162369.1 CVYL|A12073 FGRM|XP\_011323914.1 MGRA|XP\_003857378.1 MLAR|XP\_007410864.1 MORY|QBZ61583.1 NCRA|XP\_957008.3 SSCL|APA10493.1

>Orthogroup4135: ANID|CBF76504.1 BCIN|XP\_024551371.1 BGRA|VCU39899.1 CFRU|XP\_031884340.1 CGLO|KAF3806474.1 CHIG|XP\_018162370.1 CVIN|KAF4908644.1 CVYL|A12074 FGRM|XP\_011323913.1 MGRA|XP\_003852115.1 MORY|QBZ61584.1 NCRA|XP\_957009.1 SSCL|APA10494.1

>Orthogroup4136: ANID|CBF76506.1 ANID|CBF79853.1 BCIN|XP\_001550009.1 CFRU|XP\_031884339.1 CGLO|KAF3806475.1 CHIG|XP\_018162371.1 CVIN|KAF4908632.1 CVYL|A12075 FGRM|XP\_011323912.1 MGRA|XP\_003856374.1 MORY|QBZ61585.1 NCRA|XP\_957010.1 SSCL|APA10495.1

>Orthogroup4137: ANID|CBF76519.1 BCIN|XP\_001545969.1 CFRU|XP\_031878360.1 CGLO|KAF3802642.1 CHIG|XP\_018162519.1 CVIN|KAF4932148.1 CVYL|A07155 FGRM|XP\_011326299.1 MGRA|XP\_003856243.1 MLAR|XP\_007413945.1 MORY|QBZ59691.1 NCRA|XP\_957696.1 SSCL|APA10219.1

>Orthogroup4138: ANID|CBF76521.1 BCIN|XP\_024551529.1 BGRA|VCU41068.1 CFRU|XP\_031878363.1 CGLO|KAF3810770.1 CHIG|XP\_018162546.1 CVIN|KAF4932005.1 CVYL|A07183 FGRM|XP\_011326293.1 MGRA|XP\_003856242.1 MORY|QBZ59690.1 NCRA|XP\_011393792.1 SSCL|APA10220.1

>Orthogroup4139: ANID|CBF76536.1 BCIN|XP\_024547410.1 BGRA|VDB83833.1 CFRU|XP\_031881929.1 CGLO|KAF3806068.1 CHIG|XP\_018164616.1 CVYL|A07446 FGRM|XP\_011316006.1 MGRA|XP\_003848595.1 MLAR|XP\_007412940.1 MORY|QBZ60943.1 NCRA|XP\_958587.1 SSCL|APA14428.1

>Orthogroup4140: ANID|CBF76549.1 BCIN|XP\_001547399.1 BGRA|VDB83865.1 CFRU|XP\_031892006.1 CGLO|KAF3805604.1 CHIG|XP\_018164702.1 CVIN|KAF4903410.1 CVYL|A07590 FGRM|XP\_011324951.1 MLAR|XP\_007410089.1 MORY|QBZ62284.1 NCRA|XP\_959912.1 SSCL|APA14207.1

>Orthogroup4141: ANID|CBF76551.1 BCIN|XP\_001547398.2 BGRA|VDB83715.1 CFRU|XP\_031892007.1 CGLO|KAF3805603.1 CHIG|XP\_018164703.1 CVYL|A07591 FGRM|XP\_011324950.1 MGRA|XP\_003848323.1 MLAR|XP\_007406366.1 MORY|QBZ62286.1 NCRA|XP\_011395127.1 SSCL|APA14208.1

>Orthogroup4142: ANID|CBF76557.1 BCIN|XP\_024547194.1 BGRA|VDB88985.1 CFRU|XP\_031892253.1 CGLO|KAF3805584.1 CHIG|XP\_018164713.1 CVIN|KAF4922390.1 CVYL|A07617 FGRM|XP\_011324953.1 MGRA|XP\_003848715.1 MORY|QBZ62280.1 NCRA|XP\_959914.1 SSCL|APA14121.1

>Orthogroup4143: ANID|CBF76575.1 BCIN|XP\_001547389.2 BGRA|VDB83810.1 CFRU|XP\_031882011.1 CGLO|KAF3806131.1 CHIG|XP\_018164532.1 CVIN|KAF4911011.1 CVYL|A07377 FGRM|XP\_011325622.1 MLAR|XP\_007406764.1 MORY|QBZ62278.1 NCRA|XP\_959915.3 SSCL|APA14215.1

>Orthogroup4144: ANID|CBF76587.1 BCIN|XP\_001548586.1 CFRU|XP\_031880328.1 CGLO|KAF3808972.1 CHIG|XP\_018155828.1 CVIN|KAF4920862.1 CVYL|A01595 FGRM|XP\_011319207.1 MGRA|XP\_003857582.1 MLAR|XP\_007417761.1 MORY|QBZ62015.1 NCRA|XP\_957907.1 SSCL|APA11741.1

>Orthogroup4145: ANID|CBF76589.1 BCIN|XP\_001548587.1 BGRA|VDB93198.1 CFRU|XP\_031880249.1 CGLO|KAF3808973.1 CHIG|XP\_018155829.1 CVIN|KAF4920863.1 CVYL|A01606 FGRM|XP\_011319208.1 MGRA|XP\_003856064.1 MORY|QBZ62014.1 NCRA|XP\_957908.1 SSCL|APA11742.1

>Orthogroup4146: ANID|CBF76593.1 BCIN|XP\_024553155.1 BGRA|VDB93630.1 CFRU|XP\_031888521.1 CGLO|KAF3803572.1 CHIG|XP\_018163917.1 CVIN|KAF4922231.1 CVYL|A14506 FGRM|XP\_011316749.1 MGRA|XP\_003856336.1 MORY|QBZ56030.1 NCRA|XP\_963861.2 SSCL|APA13331.1

>Orthogroup4147: ANID|CBF76595.1 BCIN|XP\_024553462.1 CFRU|XP\_031888522.1 CGLO|KAF3803573.1 CHIG|XP\_018163918.1 CVIN|KAF4922230.1 CVYL|A14507 FGRM|XP\_011316748.1 MGRA|XP\_003856335.1 MLAR|XP\_007416880.1 MORY|QBZ56029.1 NCRA|XP\_963862.1 SSCL|APA13828.1

>Orthogroup4148: ANID|CBF76601.1 BCIN|XP\_001547645.1 CFRU|XP\_031882719.1 CGLO|KAF3803397.1 CHIG|XP\_018163934.1 CVIN|KAF4918413.1 CVYL|A14327 FGRM|XP\_011316243.1 MGRA|XP\_003857332.1 MLAR|XP\_007417524.1 MORY|QBZ56003.1 NCRA|XP\_965307.1 SSCL|APA05889.1

>Orthogroup4149: ANID|CBF76619.1 BCIN|XP\_001559229.1 BGRA|VCU39107.1 CFRU|XP\_031887902.1 CGLO|KAF3802307.1 CHIG|XP\_018154411.1 CVYL|A10762 FGRM|XP\_011319754.1 MGRA|XP\_003847626.1 MLAR|XP\_007410032.1 MORY|QBZ65806.1 NCRA|XP\_965538.3 SSCL|APA15809.1

>Orthogroup4150: ANID|CBF76625.1 BCIN|XP\_024546225.1 BGRA|VCU38952.1 CFRU|XP\_031892795.1 CGLO|KAF3797255.1 CHIG|XP\_018157251.1 CVIN|KAF4920702.1 CVYL|A10438 FGRM|XP\_011320025.1 MGRA|XP\_003847748.1 MORY|QBZ66164.1 NCRA|XP\_964861.2 SSCL|APA06995.1

>Orthogroup4151: ANID|CBF76631.1 BCIN|XP\_001556247.2 BGRA|VCU39072.1 CFRU|XP\_031892480.1 CGLO|KAF3797265.1 CHIG|XP\_018157262.1 CVIN|KAF4920683.1 CVYL|A10428 FGRM|XP\_011320014.1 MGRA|XP\_003847655.1 MORY|QBZ66009.1 NCRA|XP\_964247.1 SSCL|APA08997.1

>Orthogroup4152: ANID|CBF76654.1 BCIN|XP\_001560384.1 BGRA|VCU39058.1 CFRU|XP\_031880373.1 CGLO|KAF3807294.1 CHIG|XP\_018156962.1 CVIN|KAF4918085.1 CVYL|A10777 FGRM|XP\_011328174.1 MGRA|XP\_003847814.1 MORY|QBZ65685.1 NCRA|XP\_964583.3 SSCL|APA08787.1

>Orthogroup4153: ANID|CBF76656.1 BCIN|XP\_001559214.2 BGRA|VCU39070.1 CFRU|XP\_031880370.1 CGLO|KAF3807290.1 CHIG|XP\_018156967.1 CVIN|KAF4918080.1 CVYL|A10781 FGRM|XP\_011320169.1 MGRA|XP\_003847653.1 MORY|QBZ65670.1 NCRA|XP\_964576.1 SSCL|APA15820.1

>Orthogroup4154: ANID|CBF76658.1 BCIN|XP\_001560383.2 BGRA|VCU39057.1 CFRU|XP\_031880383.1 CGLO|KAF3807283.1 CHIG|XP\_018156959.1 CVIN|KAF4928127.1 CVYL|A10767 FGRM|XP\_011320159.1 MGRA|XP\_003847698.1 MORY|QBZ65682.1 NCRA|XP\_011393099.1 SSCL|APA08788.1

>Orthogroup4155: ANID|CBF76717.1 BCIN|XP\_024545958.1 CFRU|XP\_031888104.1 CGLO|KAF3802153.1 CHIG|XP\_018154264.1 CVIN|KAF4907215.1 CVYL|A03240 FGRM|XP\_011320068.1 MGRA|XP\_003847743.1 MORY|QBZ64290.1 MORY|QBZ66187.1 NCRA|XP\_964332.2 SSCL|APA07398.1

>Orthogroup4156: ANID|CBF76721.1 BCIN|XP\_024546524.1 BCIN|XP\_024553254.1 CFRU|XP\_031877835.1 CGLO|KAF3806627.1 CHIG|XP\_018164234.1 CVIN|KAF4918910.1 CVYL|A12339 FGRM|XP\_011324166.1 MORY|QBZ65886.1 NCRA|XP\_964495.2 SSCL|APA06724.1 SSCL|APA13590.1

>Orthogroup4157: ANID|CBF76725.1 BCIN|XP\_024545954.1 BGRA|VCU38942.1 CFRU|XP\_031887967.1 CGLO|KAF3802228.1 CHIG|XP\_018154332.1 CVIN|KAF4914842.1 CVYL|A03173 FGRM|XP\_011319835.1 MLAR|XP\_007417127.1 MORY|QBZ66286.1 NCRA|XP\_964855.2 SSCL|APA07384.1

>Orthogroup4158: ANID|CBF76739.1 BCIN|XP\_024546228.1 BGRA|VCU38956.1 BGRA|VCU38957.1 CFRU|XP\_031892776.1 CGLO|KAF3797257.1 CHIG|XP\_018157253.1 CVIN|KAF4920696.1 CVYL|A10436 FGRM|XP\_011320023.1 MORY|QBZ66168.1 NCRA|XP\_964863.2 SSCL|APA06996.1

>Orthogroup4159: ANID|CBF76769.1 BCIN|XP\_001545862.1 CFRU|XP\_031892772.1 CGLO|KAF3797261.1 CHIG|XP\_018157257.1 CVIN|KAF4920681.1 CVYL|A10432 FGRM|XP\_011320018.1 MGRA|XP\_003847777.1 MLAR|XP\_007408413.1 MORY|QBZ66013.1 NCRA|XP\_964251.2 SSCL|APA07292.1

>Orthogroup4160: ANID|CBF76771.1 BCIN|XP\_001545864.2 BGRA|VDB86305.1 CFRU|XP\_031888203.1 CGLO|KAF3802260.1 CHIG|XP\_018154375.1 CVIN|KAF4924398.1 CVYL|A10895 FGRM|XP\_011320263.1 MLAR|XP\_007417979.1 MORY|QBZ65626.1 NCRA|XP\_964715.1 SSCL|APA07290.1

>Orthogroup4161: ANID|CBF76778.1 BCIN|XP\_001546441.1 BGRA|VCU39033.1 CFRU|XP\_031887941.1 CHIG|XP\_018154362.1 CVIN|KAF4924435.1 CVYL|A10341 FGRM|XP\_011319808.1 MGRA|XP\_003847711.1 MLAR|XP\_007405705.1 MORY|QBZ65714.1 NCRA|XP\_964235.2 SSCL|APA07252.1

>Orthogroup4162: ANID|CBF76780.1 BCIN|XP\_001546442.1 BGRA|VCU39034.1 CFRU|XP\_031888055.1 CGLO|KAF3802272.1 CHIG|XP\_018154363.1 CVIN|KAF4924436.1 CVYL|A10329 FGRM|XP\_011319809.1 MLAR|XP\_007411637.1 MORY|QBZ65715.1 NCRA|XP\_964234.1 SSCL|APA07251.1

>Orthogroup4163: ANID|CBF76796.1 BCIN|XP\_001547158.1 BGRA|VCU38891.1 CFRU|XP\_031881686.1 CGLO|KAF3805407.1 CHIG|XP\_018156711.1 CVIN|KAF4917762.1 CVYL|A11054 FGRM|XP\_011320049.1 MGRA|XP\_003847585.1 MORY|QBZ65361.1 NCRA|XP\_965730.1 SSCL|APA08930.1

>Orthogroup4164: ANID|CBF76800.1 BCIN|XP\_024549165.1 CFRU|XP\_031892800.1 CGLO|KAF3797251.1 CHIG|XP\_018157247.1 CVIN|KAF4920703.1 CVYL|A10442 FGRM|XP\_011320027.1 MGRA|XP\_003847760.1 MLAR|XP\_007411623.1 MORY|QBZ66161.1 NCRA|XP\_964858.1 SSCL|APA08775.1

>Orthogroup4165: ANID|CBF76808.1 BCIN|XP\_001560226.1 CFRU|XP\_031881561.1 CGLO|KAF3807438.1 CHIG|XP\_018156789.1 CVIN|KAF4918515.1 CVYL|A10942 FGRM|XP\_011328283.1 MGRA|XP\_003847536.1 MLAR|XP\_007413518.1 MORY|QBZ65359.1 NCRA|XP\_965742.3 SSCL|APA15929.1

>Orthogroup4166: ANID|CBF76814.1 BCIN|XP\_024549108.1 CFRU|XP\_031892504.1 CGLO|KAF3797038.1 CHIG|XP\_018157002.1 CVIN|KAF4905031.1 CVYL|A10668 FGRM|XP\_011315906.1 MGRA|XP\_003847783.1 MLAR|XP\_007413584.1 MORY|QBZ65620.1 NCRA|XP\_964721.1 SSCL|APA15940.1

>Orthogroup4167: ANID|CBF76822.1 BCIN|XP\_001548996.1 CFRU|XP\_031892368.1 CGLO|KAF3807207.1 CHIG|XP\_018157013.1 CVIN|KAF4928159.1 CVYL|A10689 FGRM|XP\_011320230.1 MGRA|XP\_003847540.1 MLAR|XP\_007412195.1 MORY|QBZ60442.1 NCRA|XP\_964870.2 SSCL|APA07009.1

>Orthogroup4168: ANID|CBF76824.1 BCIN|XP\_001549011.1 CFRU|XP\_031887808.1 CGLO|KAF3802247.1 CHIG|XP\_018154377.1 CVIN|KAF4914867.1 CVYL|A03152 FGRM|XP\_011319833.1 MGRA|XP\_003847541.1 MLAR|XP\_007406230.1 MORY|QBZ66150.1 NCRA|XP\_964349.1 SSCL|APA07004.1

>Orthogroup4169: ANID|CBF76828.1 BCIN|XP\_024549191.1 BGRA|VCU38892.1 CFRU|XP\_031892792.1 CGLO|KAF3797247.1 CHIG|XP\_018157242.1 CVIN|KAF4920707.1 CVYL|A10446 FGRM|XP\_011320252.1 MGRA|XP\_003847567.1 MORY|QBZ66062.1 NCRA|XP\_964524.2 SSCL|APA15722.1

>Orthogroup4170: ANID|CBF76837.1 BCIN|XP\_024546068.1 BGRA|VCU39091.1 CFRU|XP\_031892397.1 CGLO|KAF3807210.1 CHIG|XP\_018157016.1 CVIN|KAF4928201.1 CVYL|A10686 FGRM|XP\_011320227.1 MLAR|XP\_007411985.1 MORY|QBZ60440.1 NCRA|XP\_964880.3 SSCL|APA07239.1

>Orthogroup4171: ANID|CBF76846.1 BCIN|XP\_024546062.1 BGRA|VCU39037.1 CFRU|XP\_031888120.1 CGLO|KAF3802304.1 CHIG|XP\_018154408.1 CVIN|KAF4896252.1 CVYL|A10729 FGRM|XP\_011319759.1 MLAR|XP\_007413681.1 MORY|QBZ65802.1 NCRA|XP\_965542.3 SSCL|APA07248.1

>Orthogroup4172: ANID|CBF76858.1 BCIN|XP\_001545865.1 BGRA|VCU39077.1 CFRU|XP\_031888026.1 CHIG|XP\_018154341.1 CVIN|KAF4914855.1 CVYL|A03165 FGRM|XP\_011319848.1 MGRA|XP\_003847657.1 MLAR|XP\_007404002.1 MORY|QBZ66025.1 NCRA|XP\_011393339.1 SSCL|APA07289.1

>Orthogroup4173: ANID|CBF76866.1 BCIN|XP\_001545879.1 BGRA|VCU38857.1 CFRU|XP\_031888028.1 CGLO|KAF3802241.1 CHIG|XP\_018154348.1 CVIN|KAF4914846.1 CVYL|A03158 FGRM|XP\_011319863.1 MLAR|XP\_007403674.1 MORY|QBZ66031.1 NCRA|XP\_964528.1 SSCL|APA07275.1

>Orthogroup4174: ANID|CBF76899.1 BCIN|XP\_024546058.1 BGRA|VCU39021.1 CFRU|XP\_031888146.1 CGLO|KAF3802264.1 CHIG|XP\_018154371.1 CVIN|KAF4924402.1 CVYL|A10241 FGRM|XP\_011319820.1 MGRA|XP\_003847747.1 MORY|QBZ65720.1 NCRA|XP\_964327.2 SSCL|APA07261.1

>Orthogroup4175: ANID|CBF76916.1 BCIN|XP\_001550317.1 BGRA|VDB92824.1 CFRU|XP\_031878542.1 CGLO|KAF3798514.1 CHIG|XP\_018161193.1 CVIN|KAF4917491.1 CVYL|A03811 FGRM|XP\_011324473.1 MGRA|XP\_003849460.1 MORY|QBZ56515.1 NCRA|XP\_962403.1 SSCL|APA12808.1

>Orthogroup4176: ANID|CBF76922.1 BCIN|XP\_024552061.1 BGRA|VDB92827.1 CFRU|XP\_031878641.1 CGLO|KAF3798512.1 CHIG|XP\_018161190.1 CVIN|KAF4917496.1 CVYL|A03813 FGRM|XP\_011328779.1 MLAR|XP\_007404119.1 MORY|QBZ56518.1 NCRA|XP\_962405.2 SSCL|APA12833.1

>Orthogroup4177: ANID|CBF76926.1 BCIN|XP\_001547691.2 BGRA|VCU38876.1 CFRU|XP\_031882573.1 CHIG|XP\_018151046.1 CVIN|KAF4925406.1 CVYL|A08902 FGRM|XP\_011323481.1 MGRA|XP\_003849592.1 MLAR|XP\_007416560.1 MORY|QBZ64061.1 NCRA|XP\_962580.1 SSCL|APA13304.1

>Orthogroup4178: ANID|CBF76947.1 BCIN|XP\_001553958.1 BGRA|VDB85797.1 CFRU|XP\_031891589.1 CHIG|XP\_018157345.1 CVYL|A10291 FGRM|XP\_011320236.1 FGRM|XP\_011325886.1 MGRA|XP\_003852418.1 MLAR|XP\_007404103.1 MORY|QBZ60430.1 NCRA|XP\_011392808.1 SSCL|APA11082.1

>Orthogroup4179: ANID|CBF76949.1 BCIN|XP\_001552297.1 BGRA|VDB86027.1 CFRU|XP\_031891587.1 CHIG|XP\_018157348.1 CVIN|KAF4929343.1 CVYL|A10289 FGRM|XP\_011320234.1 MGRA|XP\_003854005.1 MLAR|XP\_007406102.1 MORY|QBZ65606.1 NCRA|XP\_965797.2 SSCL|APA11137.1

>Orthogroup4180: ANID|CBF76951.1 BCIN|XP\_024550436.1 BGRA|VDB86026.1 CFRU|XP\_031891588.1 CGLO|KAF3797392.1 CHIG|XP\_018157349.1 CVIN|KAF4929340.1 CVYL|A10288 FGRM|XP\_011320238.1 MGRA|XP\_003854280.1 MORY|QBZ65605.1 NCRA|XP\_965796.2 SSCL|APA11136.1

>Orthogroup4181: ANID|CBF76959.1 BCIN|XP\_024547689.1 BGRA|VDB84273.1 CFRU|XP\_031877730.1 CGLO|KAF3797316.1 CHIG|XP\_018157192.1 CVIN|KAF4917654.1 CVYL|A10379 FGRM|XP\_011320012.1 MGRA|XP\_003854507.1 MORY|QBZ65618.1 NCRA|XP\_011392780.1 SSCL|APA07897.1

>Orthogroup4182: ANID|CBF76971.1 BCIN|XP\_024550169.1 CFRU|XP\_031891264.1 CHIG|XP\_018157394.1 CHIG|XP\_018157395.1 CVIN|KAF4929422.1 CVYL|A10245 FGRM|XP\_011319996.1 FGRM|XP\_011319997.1 MGRA|XP\_003854419.1 MORY|QBZ66067.1 NCRA|XP\_011392993.1 SSCL|APA10844.1

>Orthogroup4183: ANID|CBF76973.1 BCIN|XP\_024550154.1 BGRA|VDB85955.1 CFRU|XP\_031891268.1 CGLO|KAF3797428.1 CHIG|XP\_018157390.1 CVIN|KAF4929417.1 CVYL|A10247 FGRM|XP\_011319993.1 MGRA|XP\_003854427.1 MORY|QBZ66066.1 NCRA|XP\_965237.1 SSCL|APA10832.1

>Orthogroup4184: ANID|CBF76979.1 BCIN|XP\_024550165.1 BGRA|VDB84237.1 CFRU|XP\_031877739.1 CGLO|KAF3797327.1 CHIG|XP\_018157179.1 CHIG|XP\_018157180.1 CVIN|KAF4917671.1 CVYL|A10367 FGRM|XP\_011320246.1 MORY|QBZ66294.1 NCRA|XP\_963857.1 SSCL|APA10826.1

>Orthogroup4185: ANID|CBF76985.1 BCIN|XP\_024550487.1 BGRA|VDB85653.1 CFRU|XP\_031877708.1 CGLO|KAF3797326.1 CHIG|XP\_018157181.1 CVIN|KAF4917669.1 CVYL|A10368 FGRM|XP\_011320245.1 MGRA|XP\_003853799.1 MORY|QBZ66290.1 NCRA|XP\_001728566.1 SSCL|APA11205.1

>Orthogroup4186: ANID|CBF76987.1 BCIN|XP\_001554641.1 BGRA|VDB84111.1 CFRU|XP\_031888007.1 CGLO|KAF3802320.1 CHIG|XP\_018154422.1 CVIN|KAF4889193.1 CVYL|A10896 FGRM|XP\_011319743.1 MGRA|XP\_003854500.1 MORY|QBZ65836.1 NCRA|XP\_965522.2 SSCL|APA11040.1

>Orthogroup4187: ANID|CBF76996.1 BCIN|XP\_001552387.1 BGRA|VDB84456.1 CFRU|XP\_031877737.1 CGLO|KAF3797332.1 CHIG|XP\_018157176.1 CVIN|KAF4917661.1 CVYL|A10361 FGRM|XP\_011320250.1 MLAR|XP\_007410615.1 MORY|QBZ66278.1 NCRA|XP\_964284.1 SSCL|APA11203.1

>Orthogroup4188: ANID|CBF77004.1 BCIN|XP\_024550316.1 BGRA|VDB84145.1 CFRU|XP\_031877728.1 CGLO|KAF3797318.1 CHIG|XP\_018157190.1 CVIN|KAF4917656.1 CVYL|A10377 FGRM|XP\_011320179.1 MGRA|XP\_003854418.1 MORY|QBZ66176.1 NCRA|XP\_964507.3 SSCL|APA10983.1

>Orthogroup4189: ANID|CBF77012.1 BCIN|XP\_024550403.1 BGRA|VDB85805.1 CFRU|XP\_031888094.1 CGLO|KAF3802283.1 CHIG|XP\_018154382.1 CVIN|KAF4924411.1 CVYL|A10474 FGRM|XP\_011319789.1 MGRA|XP\_003853779.1 MORY|QBZ65798.1 NCRA|XP\_011392903.1 SSCL|APA11096.1

>Orthogroup4190: ANID|CBF77026.1 BCIN|XP\_001560367.1 BGRA|VCU39050.1 CFRU|XP\_031890223.1 CGLO|KAF3798252.1 CHIG|XP\_018157648.1 CVIN|KAF4891063.1 CVYL|A09235 FGRM|XP\_011324220.1 MGRA|XP\_003853855.1 MORY|QBZ56270.1 NCRA|XP\_011394210.1 SSCL|APA08798.1

>Orthogroup4191: ANID|CBF77029.1 BCIN|XP\_001552294.1 BGRA|VDB85801.1 CFRU|XP\_031892330.1 CGLO|KAF3797148.1 CHIG|XP\_018157096.1 CVIN|KAF4892831.1 CVYL|A10550 FGRM|XP\_011325075.1 MGRA|XP\_003854206.1 MORY|QBZ60468.1 NCRA|XP\_965802.2 SSCL|APA11135.1

>Orthogroup4192: ANID|CBF77031.1 BCIN|XP\_024550435.1 BGRA|VDB85796.1 CFRU|XP\_031892331.1 CGLO|KAF3797147.1 CHIG|XP\_018157097.1 CVIN|KAF4892830.1 CVYL|A10552 FGRM|XP\_011325076.1 MGRA|XP\_003854080.1 MORY|QBZ60469.1 NCRA|XP\_965803.2 SSCL|APA11134.1

>Orthogroup4193: ANID|CBF77042.1 BCIN|XP\_024550321.1 BGRA|VDB84458.1 CFRU|XP\_031881572.1 CGLO|KAF3807394.1 CHIG|XP\_018156822.1 CVIN|KAF4929658.1 CVYL|A10887 FGRM|XP\_011328321.1 MGRA|XP\_003857408.1 MORY|QBZ65584.1 NCRA|XP\_965061.1 SSCL|APA10989.1

>Orthogroup4194: ANID|CBF77044.1 BCIN|XP\_024550322.1 BGRA|VDB85676.1 CFRU|XP\_031881573.1 CGLO|KAF3807395.1 CHIG|XP\_018156821.1 CVIN|KAF4929659.1 CVYL|A10888 FGRM|XP\_011328322.1 MLAR|XP\_007413864.1 MORY|QBZ65597.1 NCRA|XP\_957965.3 SSCL|APA10990.1

>Orthogroup4195: ANID|CBF77046.1 BCIN|XP\_001553592.2 BGRA|VDB95337.1 CFRU|XP\_031890786.1 CGLO|KAF3801654.1 CHIG|XP\_018151425.1 CVIN|KAF4921239.1 CVYL|A12482 FGRM|XP\_011328192.1 MLAR|XP\_007405964.1 MORY|QBZ56063.1 NCRA|XP\_960161.1 SSCL|APA06426.1

>Orthogroup4196: ANID|CBF77063.1 BCIN|XP\_024550712.1 BGRA|VCU40858.1 CFRU|XP\_031876369.1 CGLO|KAF3797766.1 CHIG|XP\_018156435.1 CVIN|KAF4918798.1 CVYL|A02983 FGRM|XP\_011318780.1 MLAR|XP\_007414732.1 MORY|QBZ63677.1 NCRA|XP\_958552.1 SSCL|APA11551.1

>Orthogroup4197: ANID|CBF77065.1 BCIN|XP\_001548588.1 BGRA|VDB93199.1 CFRU|XP\_031880234.1 CGLO|KAF3808975.1 CHIG|XP\_018155831.1 CVIN|KAF4920861.1 CVYL|A01628 FGRM|XP\_011319210.1 MGRA|XP\_003857507.1 MLAR|XP\_007405908.1 NCRA|XP\_961420.3 SSCL|APA11743.1

>Orthogroup4198: ANID|CBF77094.1 BCIN|XP\_024545948.1 BGRA|VCU38946.1 CFRU|XP\_031887895.1 CGLO|KAF3802159.1 CHIG|XP\_018154284.1 CVIN|KAF4907204.1 CVYL|A03235 FGRM|XP\_011320262.1 MGRA|XP\_003847766.1 MORY|QBZ65716.1 NCRA|XP\_964328.2 SSCL|APA07377.1

>Orthogroup4199: ANID|CBF77102.1 BCIN|XP\_024551188.1 CFRU|XP\_031877182.1 CFRU|XP\_031881817.1 CGLO|KAF3806417.1 CHIG|XP\_018157677.1 CHIG|XP\_018162302.1 CVIN|KAF4918067.1 CVYL|A12012 FGRM|XP\_011322664.1 MORY|QBZ59549.1 NCRA|XP\_957803.1 SSCL|APA10155.1

>Orthogroup4200: ANID|CBF77125.1 BCIN|XP\_001552779.1 BGRA|VDB88801.1 CFRU|XP\_031877625.1 CGLO|KAF3801103.1 CHIG|XP\_018153754.1 CVIN|KAF4909554.1 CVYL|A11292 FGRM|XP\_011327782.1 MGRA|XP\_003851599.1 MORY|QBZ60625.1 NCRA|XP\_959471.1 SSCL|APA14047.1

>Orthogroup4201: ANID|CBF77139.1 BCIN|XP\_001560137.1 BGRA|VCU38846.1 CFRU|XP\_031877716.1 CGLO|KAF3797351.1 CHIG|XP\_018157160.1 CVIN|KAF4889990.1 CVYL|A10339 FGRM|XP\_011320097.1 MGRA|XP\_003847515.1 MORY|QBZ65895.1 NCRA|XP\_965833.1 SSCL|APA15847.1

>Orthogroup4202: ANID|CBF77143.1 BCIN|XP\_024549307.1 CFRU|XP\_031881681.1 CGLO|KAF3805378.1 CHIG|XP\_018156730.1 CVIN|KAF4890972.1 CVIN|KAF4924179.1 CVYL|A11027 FGRM|XP\_011320046.1 MGRA|XP\_003847799.1 MORY|QBZ65358.1 NCRA|XP\_011392787.1 SSCL|APA08932.1

>Orthogroup4203: ANID|CBF77144.1 BCIN|XP\_024549196.1 BGRA|VCU39060.1 CFRU|XP\_031881664.1 CGLO|KAF3807433.1 CHIG|XP\_018156799.1 CVIN|KAF4918544.1 CVYL|A10936 FGRM|XP\_011328309.1 MGRA|XP\_003847535.1 MORY|QBZ66198.1 NCRA|XP\_011393188.1 SSCL|APA15727.1

>Orthogroup4204: ANID|CBF77148.1 BCIN|XP\_001560225.1 CFRU|XP\_031881642.1 CGLO|KAF3805344.1 CHIG|XP\_018156763.1 CVIN|KAF4913618.1 CVYL|A10986 FGRM|XP\_011328303.1 MGRA|XP\_003847652.1 MLAR|XP\_007404377.1 MORY|QBZ65543.1 NCRA|XP\_965199.1 SSCL|APA15928.1

>Orthogroup4205: ANID|CBF77169.1 BCIN|XP\_024547361.1 CFRU|XP\_031892256.1 CGLO|KAF3805583.1 CHIG|XP\_018164711.1 CVIN|KAF4922389.1 CVYL|A07618 FGRM|XP\_011324946.1 MGRA|XP\_003848645.1 MLAR|XP\_007413601.1 MORY|QBZ62295.1 NCRA|XP\_011395122.1 SSCL|APA14360.1

>Orthogroup4206: ANID|CBF77175.1 BCIN|XP\_024547363.1 BGRA|VDB88886.1 CFRU|XP\_031881916.1 CGLO|KAF3806083.1 CHIG|XP\_018164591.1 CVIN|KAF4909972.1 CVYL|A07429 FGRM|XP\_011315992.1 MLAR|XP\_007410208.1 MORY|QBZ60882.1 NCRA|XP\_959496.1 SSCL|APA14364.1

>Orthogroup4207: ANID|CBF77183.1 BCIN|XP\_024547205.1 BGRA|VDB83762.1 CFRU|XP\_031878487.1 CGLO|KAF3798635.1 CHIG|XP\_018153910.1 CVIN|KAF4912448.1 CVYL|A04815 FGRM|XP\_011324690.1 MGRA|XP\_003848591.1 MORY|QBZ60791.1 NCRA|XP\_959241.2 SSCL|APA14133.1

>Orthogroup4208: ANID|CBF77205.1 BCIN|XP\_024550716.1 CFRU|XP\_031887255.1 CGLO|KAF3809267.1 CHIG|XP\_018156102.1 CVIN|KAF4907387.1 CVYL|A01460 FGRM|XP\_011319317.1 MGRA|XP\_003856062.1 MLAR|XP\_007416732.1 MORY|QBZ56928.1 NCRA|XP\_011394870.1 SSCL|APA11558.1

>Orthogroup4209: ANID|CBF77213.1 BCIN|XP\_024547218.1 BGRA|VDB93062.1 CFRU|XP\_031882100.1 CGLO|KAF3797878.1 CHIG|XP\_018164474.1 CVIN|KAF4911577.1 CVYL|A07326 FGRM|XP\_011327839.1 MLAR|XP\_007405147.1 MORY|QBZ60554.1 NCRA|XP\_959534.2 SSCL|APA14145.1

>Orthogroup4210: ANID|CBF77217.1 BCIN|XP\_024547250.1 BGRA|VDB83758.1 CFRU|XP\_031877675.1 CGLO|KAF3801094.1 CHIG|XP\_018153745.1 CVIN|KAF4909539.1 CVYL|A11301 FGRM|XP\_011327813.1 MGRA|XP\_003851487.1 MORY|QBZ60597.1 NCRA|XP\_959780.2 SSCL|APA14197.1

>Orthogroup4211: ANID|CBF77219.1 BCIN|XP\_024547249.1 BGRA|VDB83756.1 CFRU|XP\_031877660.1 CGLO|KAF3801093.1 CHIG|XP\_018153744.1 CVIN|KAF4909538.1 CVYL|A11302 FGRM|XP\_011327812.1 MGRA|XP\_003851854.1 MORY|QBZ60598.1 NCRA|XP\_959781.1 SSCL|APA14196.1

>Orthogroup4212: ANID|CBF77246.1 BCIN|XP\_001548584.1 BGRA|VDB93197.1 CFRU|XP\_031880326.1 CGLO|KAF3808970.1 CHIG|XP\_018155826.1 CVIN|KAF4920856.1 CVYL|A01490 FGRM|XP\_011319205.1 MGRA|XP\_003856125.1 MORY|QBZ62017.1 NCRA|XP\_001728083.1 SSCL|APA11739.1

>Orthogroup4213: ANID|CBF77254.1 BCIN|XP\_001556266.1 BGRA|VDB86115.1 CFRU|XP\_031880358.1 CGLO|KAF3807340.1 CHIG|XP\_018156903.1 CVIN|KAF4920050.1 CVYL|A10815 FGRM|XP\_011325070.1 MGRA|XP\_003847780.1 MLAR|XP\_007407196.1 NCRA|XP\_965757.1 SSCL|APA15744.1

>Orthogroup4214: ANID|CBF77263.1 BCIN|XP\_024551327.1 BGRA|VDB89150.1 CFRU|XP\_031886751.1 CGLO|KAF3804092.1 CHIG|XP\_018162676.1 CVIN|KAF4919521.1 CVYL|A07052 FGRM|XP\_011326354.1 MGRA|XP\_003852841.1 MORY|QBZ55645.1 NCRA|XP\_956390.3 SSCL|APA10546.1

>Orthogroup4215: ANID|CBF77271.1 BCIN|XP\_001551373.2 BGRA|VCU41074.1 CFRU|XP\_031886755.1 CGLO|KAF3804088.1 CHIG|XP\_018162680.1 CVIN|KAF4919550.1 CVYL|A07048 FGRM|XP\_011326358.1 MGRA|XP\_003853086.1 MORY|QBZ55648.1 NCRA|XP\_956387.3 SSCL|APA10393.1

>Orthogroup4216: ANID|CBF77281.1 BCIN|XP\_024549164.1 BGRA|VDB86076.1 CFRU|XP\_031892797.1 CGLO|KAF3797252.1 CHIG|XP\_018157248.1 CVIN|KAF4920704.1 FGRM|XP\_011319872.1 MGRA|XP\_003847569.1 MLAR|XP\_007413940.1 MORY|QBZ66159.1 NCRA|XP\_964857.1 SSCL|APA08776.1

>Orthogroup4217: ANID|CBF77283.1 BCIN|XP\_024551345.1 BGRA|VDB89114.1 CFRU|XP\_031886772.1 CGLO|KAF3801237.1 CHIG|XP\_018162620.1 CVYL|A07092 FGRM|XP\_011326658.1 MGRA|XP\_003852153.1 MLAR|XP\_007417228.1 MORY|QBZ59590.1 NCRA|XP\_011393896.1 SSCL|APA10519.1

>Orthogroup4218: ANID|CBF77286.1 BCIN|XP\_024551343.1 BGRA|VDB88677.1 CFRU|XP\_031886780.1 CGLO|KAF3801239.1 CHIG|XP\_018162622.1 CVIN|KAF4932115.1 CVYL|A07090 FGRM|XP\_011326656.1 MLAR|XP\_007410844.1 MORY|QBZ59588.1 NCRA|XP\_962856.1 SSCL|APA10524.1

>Orthogroup4219: ANID|CBF77306.1 BCIN|XP\_001557011.1 BGRA|VCU41098.1 CFRU|XP\_031886593.1 CGLO|KAF3804119.1 CHIG|XP\_018162627.1 CVIN|KAF4932049.1 CVYL|A07084 FGRM|XP\_011326651.1 MLAR|XP\_007408677.1 MORY|QBZ55627.1 NCRA|XP\_957216.1 SSCL|APA10231.1

>Orthogroup4220: ANID|CBF77322.1 BCIN|XP\_024549003.1 BGRA|VDB93276.1 CFRU|XP\_031886648.1 CGLO|KAF3807474.1 CHIG|XP\_018158763.1 CVIN|KAF4905652.1 CVYL|A04997 FGRM|XP\_011328620.1 MGRA|XP\_003855892.1 MORY|QBZ60420.1 NCRA|XP\_965314.3 SSCL|APA09317.1

>Orthogroup4221: ANID|CBF77333.1 BCIN|XP\_001554613.1 CFRU|XP\_031891651.1 CGLO|KAF3804722.1 CHIG|XP\_018161790.1 CVIN|KAF4923353.1 CVYL|A05398 FGRM|XP\_011321481.1 MGRA|XP\_003855902.1 MLAR|XP\_007416368.1 MORY|QBZ59679.1 NCRA|XP\_963118.1 SSCL|APA11064.1

>Orthogroup4222: ANID|CBF77347.1 BCIN|XP\_001551832.1 BGRA|VDB94918.1 CFRU|XP\_031891652.1 CGLO|KAF3804723.1 CHIG|XP\_018161789.1 CVIN|KAF4923352.1 CVYL|A05397 FGRM|XP\_011321480.1 MLAR|XP\_007417394.1 MORY|QBZ59680.1 NCRA|XP\_963119.2 SSCL|APA15248.1

>Orthogroup4223: ANID|CBF77351.1 BCIN|XP\_001556330.1 BGRA|VDB95283.1 CFRU|XP\_031891377.1 CGLO|KAF3797898.1 CHIG|XP\_018161621.1 CVIN|KAF4905682.1 CVYL|A05335 FGRM|XP\_011318676.1 MGRA|XP\_003857721.1 MORY|QBZ62038.1 NCRA|XP\_963048.1 SSCL|APA08736.1

>Orthogroup4224: ANID|CBF77358.1 BCIN|XP\_024549012.1 BGRA|VDB93266.1 CFRU|XP\_031884687.1 CGLO|KAF3799056.1 CHIG|XP\_018158198.1 CVIN|KAF4918274.1 CVYL|A11472 FGRM|XP\_011323357.1 MGRA|XP\_003855906.1 MORY|QBZ54149.1 NCRA|XP\_960006.3 SSCL|APA09307.1

>Orthogroup4225: ANID|CBF77362.1 BCIN|XP\_001548445.2 CFRU|XP\_031884490.1 CGLO|KAF3799064.1 CHIG|XP\_018158191.1 CVIN|KAF4918276.1 CVYL|A11463 FGRM|XP\_011323352.1 MGRA|XP\_003857643.1 MLAR|XP\_007414408.1 MORY|QBZ64445.1 NCRA|XP\_965619.1 SSCL|APA09291.1

>Orthogroup4226: ANID|CBF77367.1 BCIN|XP\_001560065.1 BGRA|VDB83896.1 CFRU|XP\_031890101.1 CGLO|KAF3810387.1 CHIG|XP\_018158376.1 CVIN|KAF4909101.1 CVYL|A05726 FGRM|XP\_011316529.1 MGRA|XP\_003857745.1 MORY|QBZ64450.1 NCRA|XP\_958021.1 SSCL|APA09909.1

>Orthogroup4227: ANID|CBF77373.1 BCIN|XP\_024548993.1 BGRA|VDB93258.1 CFRU|XP\_031886806.1 CGLO|KAF3807481.1 CHIG|XP\_018158756.1 CVIN|KAF4907603.1 CVYL|A05004 FGRM|XP\_011323383.1 MGRA|XP\_003857764.1 MORY|QBZ60358.1 NCRA|XP\_965326.1 SSCL|APA09340.1

>Orthogroup4228: ANID|CBF77378.1 BCIN|XP\_001549224.1 BGRA|VDB90920.1 CFRU|XP\_031879963.1 CGLO|KAF3799014.1 CHIG|XP\_018152921.1 CVIN|KAF4923483.1 CVYL|A07930 FGRM|XP\_011323541.1 MGRA|XP\_003857560.1 MORY|QBZ53442.1 NCRA|XP\_963805.2 SSCL|APA09212.1

>Orthogroup4229: ANID|CBF77381.1 BCIN|XP\_001548555.1 BGRA|VDB90525.1 CFRU|XP\_031888339.1 CGLO|KAF3803561.1 CHIG|XP\_018164127.1 CVIN|KAF4922294.1 CVYL|A14493 FGRM|XP\_011326499.1 MGRA|XP\_003851609.1 MORY|QBZ56410.1 NCRA|XP\_011393037.1 SSCL|APA06608.1

>Orthogroup4230: ANID|CBF77383.1 BCIN|XP\_001548556.1 BGRA|VDB90523.1 CFRU|XP\_031888340.1 CGLO|KAF3803560.1 CHIG|XP\_018164128.1 CVIN|KAF4922295.1 CVYL|A14492 FGRM|XP\_011326498.1 MGRA|XP\_003852798.1 MORY|QBZ56411.1 NCRA|XP\_964464.1 SSCL|APA06609.1

>Orthogroup4231: ANID|CBF77406.1 BCIN|XP\_024546463.1 BGRA|VDB90696.1 CFRU|XP\_031888302.1 CGLO|KAF3803528.1 CHIG|XP\_018164075.1 CVIN|KAF4922277.1 CVYL|A14459 FGRM|XP\_011326762.1 MGRA|XP\_003857806.1 MORY|QBZ63465.1 NCRA|XP\_011393171.1 SSCL|APA07077.1

>Orthogroup4232: ANID|CBF77418.1 BCIN|XP\_024552930.1 BGRA|VCU41143.1 CFRU|XP\_031887333.1 CGLO|KAF3809395.1 CHIG|XP\_018156236.1 CVIN|KAF4916423.1 CVYL|A02963 FGRM|XP\_011319129.1 MLAR|XP\_007406612.1 MORY|QBZ57430.1 NCRA|XP\_960822.1 SSCL|APA07545.1

>Orthogroup4233: ANID|CBF77428.1 BCIN|XP\_001559844.1 BGRA|VDB89271.1 CFRU|XP\_031886977.1 CGLO|KAF3811209.1 CHIG|XP\_018160438.1 CVIN|KAF4931201.1 CVYL|A04376 FGRM|XP\_011323649.1 MLAR|XP\_007405458.1 MORY|QBZ53854.1 NCRA|XP\_961129.1 SSCL|APA09708.1

>Orthogroup4234: ANID|CBF77440.1 BCIN|XP\_024548604.1 BGRA|VDB89195.1 CFRU|XP\_031886315.1 CGLO|KAF3806282.1 CHIG|XP\_018162110.1 CVIN|KAF4923922.1 CVYL|A11873 FGRM|XP\_011324059.1 MLAR|XP\_007408192.1 MORY|QBZ61379.1 NCRA|XP\_963124.1 SSCL|APA09809.1

>Orthogroup4235: ANID|CBF77442.1 BCIN|XP\_001552076.1 CFRU|XP\_031877215.1 CGLO|KAF3806430.1 CHIG|XP\_018162315.1 CVIN|KAF4918050.1 CVYL|A12025 FGRM|XP\_011324138.1 MGRA|XP\_003850631.1 MLAR|XP\_007404122.1 MORY|QBZ61382.1 NCRA|XP\_963125.1 SSCL|APA09807.1

>Orthogroup4236: ANID|CBF77446.1 BCIN|XP\_001559859.1 BGRA|VDB89276.1 CFRU|XP\_031882177.1 CHIG|XP\_018160260.1 CVIN|KAF4930963.1 CVYL|A04144 FGRM|XP\_011324509.1 MGRA|XP\_003850777.1 MLAR|XP\_007406635.1 MORY|QBZ54294.1 NCRA|XP\_961364.3 SSCL|APA09719.1

>Orthogroup4237: ANID|CBF77461.1 BCIN|XP\_001550389.1 CFRU|XP\_031880647.1 CGLO|KAF3811136.1 CHIG|XP\_018160365.1 CVIN|KAF4931254.1 CVYL|A04294 FGRM|XP\_011326456.1 MGRA|XP\_003850672.1 MLAR|XP\_007412038.1 MORY|QBZ57106.1 NCRA|XP\_960926.3 SSCL|APA10078.1

>Orthogroup4238: ANID|CBF77475.1 BCIN|XP\_001555194.1 BGRA|VCU40067.1 CFRU|XP\_031882273.1 CGLO|KAF3804470.1 CHIG|XP\_018160306.1 CVIN|KAF4930910.1 CVYL|A04184 FGRM|XP\_011326439.1 MGRA|XP\_003850606.1 MORY|QBZ57033.1 NCRA|XP\_961355.1 SSCL|APA09181.1

>Orthogroup4239: ANID|CBF77488.1 BCIN|XP\_001548972.2 CFRU|XP\_031879896.1 CGLO|KAF3798960.1 CHIG|XP\_018152853.1 CVIN|KAF4923465.1 CVYL|A07877 FGRM|XP\_011324356.1 MGRA|XP\_003850728.1 MLAR|XP\_007417638.1 MORY|QBZ53351.1 NCRA|XP\_959631.1 SSCL|APA07028.1

>Orthogroup4240: ANID|CBF77494.1 BCIN|XP\_001553575.1 BGRA|VDB90721.1 CFRU|XP\_031890601.1 CGLO|KAF3804822.1 CHIG|XP\_018164318.1 CVIN|KAF4929777.1 CVYL|A12252 FGRM|XP\_011317012.1 MGRA|XP\_003851213.1 MORY|QBZ63555.1 NCRA|XP\_964480.1 SSCL|APA06414.1

>Orthogroup4241: ANID|CBF77502.1 BCIN|XP\_001545203.1 BGRA|VDB93110.1 CFRU|XP\_031882398.1 CHIG|XP\_018156333.1 CVIN|KAF4928894.1 CVYL|A02881 FGRM|XP\_011318998.1 MGRA|XP\_003847875.1 MLAR|XP\_007403667.1 MORY|QBZ56923.1 NCRA|XP\_957618.1 SSCL|APA12549.1

>Orthogroup4242: ANID|CBF77514.1 BCIN|XP\_001557317.1 BGRA|VDB93111.1 CFRU|XP\_031883595.1 CGLO|KAF3800181.1 CHIG|XP\_018155097.1 CVYL|A06107 FGRM|XP\_011317445.1 MGRA|XP\_003847996.1 MLAR|XP\_007416917.1 MORY|QBZ64851.1 NCRA|XP\_956444.1 SSCL|APA12459.1

>Orthogroup4243: ANID|CBF77516.1 BCIN|XP\_001557316.1 BGRA|VDB93106.1 CFRU|XP\_031883596.1 CGLO|KAF3800182.1 CHIG|XP\_018155098.1 CVIN|KAF4887651.1 CVYL|A06106 FGRM|XP\_011317495.1 MGRA|XP\_003848094.1 MORY|QBZ64850.1 NCRA|XP\_956443.1 SSCL|APA12460.1

>Orthogroup4244: ANID|CBF77532.1 BCIN|XP\_024548212.1 BGRA|VDB93081.1 CFRU|XP\_031883607.1 CGLO|KAF3800186.1 CHIG|XP\_018155102.1 CVIN|KAF4897010.1 CVYL|A06102 FGRM|XP\_011317478.1 MGRA|XP\_003848035.1 MORY|QBZ64823.1 NCRA|XP\_956452.1 SSCL|APA12464.1

>Orthogroup4245: ANID|CBF77536.1 BCIN|XP\_024548442.1 BGRA|VCU39843.1 CFRU|XP\_031881326.1 CGLO|KAF3802502.1 CHIG|XP\_018154807.1 CVIN|KAF4919006.1 CVYL|A02094 FGRM|XP\_011316317.1 MGRA|XP\_003847908.1 MORY|QBZ60989.1 NCRA|XP\_011393523.1 SSCL|APA12243.1

>Orthogroup4246: ANID|CBF77540.1 BCIN|XP\_001557305.1 BGRA|VCU40736.1 CFRU|XP\_031885490.1 CGLO|KAF3799514.1 CHIG|XP\_018154503.1 CVIN|KAF4931758.1 CVYL|A13375 FGRM|XP\_011324932.1 MGRA|XP\_003847919.1 MLAR|XP\_007411563.1 NCRA|XP\_956872.1 SSCL|APA12469.1

>Orthogroup4247: ANID|CBF77547.1 BCIN|XP\_024548210.1 BGRA|VDB93107.1 CFRU|XP\_031883589.1 CGLO|KAF3800183.1 CHIG|XP\_018155099.1 CVIN|KAF4887650.1 CVYL|A06105 FGRM|XP\_011317496.1 MLAR|XP\_007410161.1 MORY|QBZ64849.1 NCRA|XP\_956442.2 SSCL|APA12461.1

>Orthogroup4248: ANID|CBF77563.1 BCIN|XP\_001546692.1 CFRU|XP\_031890700.1 CFRU|XP\_031890746.1 CGLO|KAF3811733.1 CHIG|XP\_018151799.1 CVIN|KAF4923003.1 FGRM|XP\_011319509.1 MGRA|XP\_003855110.1 MLAR|XP\_007415162.1 MORY|QBZ61935.1 NCRA|XP\_959650.1 SSCL|APA12441.1

>Orthogroup4249: ANID|CBF77567.1 BCIN|XP\_024548189.1 BGRA|VCU40734.1 CFRU|XP\_031890745.1 CGLO|KAF3811732.1 CHIG|XP\_018151798.1 CVIN|KAF4923004.1 CVYL|A12748 FGRM|XP\_011319510.1 MGRA|XP\_003848075.1 MORY|QBZ61934.1 NCRA|XP\_959651.3 SSCL|APA12440.1

>Orthogroup4250: ANID|CBF77569.1 BCIN|XP\_001546711.1 BGRA|VDB93138.1 CFRU|XP\_031885482.1 CGLO|KAF3799465.1 CHIG|XP\_018154449.1 CVIN|KAF4931895.1 CVYL|A13327 FGRM|XP\_011325524.1 MLAR|XP\_007406799.1 MORY|QBZ64875.1 NCRA|XP\_963617.1 SSCL|APA12434.1

>Orthogroup4251: ANID|CBF77571.1 BCIN|XP\_024548183.1 BGRA|VDB93139.1 CFRU|XP\_031885488.1 CGLO|KAF3799466.1 CHIG|XP\_018154450.1 CVIN|KAF4931894.1 CVYL|A13328 FGRM|XP\_011325525.1 MLAR|XP\_007415575.1 MORY|QBZ64876.1 NCRA|XP\_963618.1 SSCL|APA12433.1

>Orthogroup4252: ANID|CBF77574.1 BCIN|XP\_001546687.1 BGRA|VDB93328.1 CFRU|XP\_031891049.1 CHIG|XP\_018151819.1 CVIN|KAF4915937.1 CVYL|A12709 FGRM|XP\_011319398.1 MGRA|XP\_003848249.1 MLAR|XP\_007407867.1 MORY|QBZ61888.1 NCRA|XP\_001728068.1 SSCL|APA12444.1

>Orthogroup4253: ANID|CBF77582.1 BCIN|XP\_024548375.1 BGRA|VCU40354.1 CFRU|XP\_031880238.1 CGLO|KAF3808961.1 CHIG|XP\_018155814.1 CVIN|KAF4920716.1 FGRM|XP\_011319097.1 MGRA|XP\_003847942.1 MLAR|XP\_007406266.1 MORY|QBZ60331.1 NCRA|XP\_961064.1 SSCL|APA12336.1

>Orthogroup4254: ANID|CBF77588.1 BCIN|XP\_024548217.1 BGRA|VCU40737.1 CFRU|XP\_031885496.1 CGLO|KAF3799516.1 CHIG|XP\_018154505.1 CVIN|KAF4931760.1 CVYL|A13377 FGRM|XP\_011324930.1 MGRA|XP\_003847921.1 MORY|QBZ62076.1 NCRA|XP\_011393477.1 SSCL|APA12468.1

>Orthogroup4255: ANID|CBF77592.1 BCIN|XP\_001557567.2 CFRU|XP\_031889211.1 CGLO|KAF3808792.1 CHIG|XP\_018155692.1 CVIN|KAF4906812.1 CVYL|A00873 FGRM|XP\_011319342.1 MGRA|XP\_003848056.1 MLAR|XP\_007417930.1 MORY|QBZ58934.1 NCRA|XP\_960680.2 SSCL|APA12333.1

>Orthogroup4256: ANID|CBF77600.1 BCIN|XP\_001557577.1 BGRA|VCU40360.1 CFRU|XP\_031880316.1 CGLO|KAF3808988.1 CHIG|XP\_018155817.1 CVIN|KAF4920851.1 CVYL|A01368 FGRM|XP\_011318840.1 MGRA|XP\_003847948.1 MLAR|XP\_007409704.1 NCRA|XP\_960950.1 SSCL|APA12326.1

>Orthogroup4257: ANID|CBF77608.1 BCIN|XP\_001550904.1 BGRA|VDB86349.1 CFRU|XP\_031889204.1 CGLO|KAF3808786.1 CHIG|XP\_018155699.1 CVIN|KAF4906822.1 CVYL|A00879 FGRM|XP\_011319021.1 MLAR|XP\_007416640.1 MORY|QBZ58940.1 NCRA|XP\_960809.2 SSCL|APA12391.1

>Orthogroup4258: ANID|CBF77614.1 BCIN|XP\_024548152.1 BGRA|VDB93235.1 CFRU|XP\_031889398.1 CGLO|KAF3808783.1 CHIG|XP\_018155704.1 CVIN|KAF4900700.1 CVYL|A00882 FGRM|XP\_011319025.1 MGRA|XP\_003848184.1 MORY|QBZ58943.1 NCRA|XP\_960806.3 SSCL|APA12387.1

>Orthogroup4259: ANID|CBF77626.1 BCIN|XP\_024548153.1 BGRA|VDB93234.1 CFRU|XP\_031889399.1 CGLO|KAF3808784.1 CHIG|XP\_018155703.1 CVIN|KAF4900708.1 CVYL|A00881 FGRM|XP\_011319024.1 MLAR|XP\_007408924.1 MORY|QBZ58942.1 NCRA|XP\_960805.2 SSCL|APA12388.1

>Orthogroup4260: ANID|CBF77633.1 BCIN|XP\_024548151.1 BGRA|VDB93125.1 CFRU|XP\_031880232.1 CGLO|KAF3808984.1 CHIG|XP\_018155822.1 CVIN|KAF4920844.1 CVYL|A01313 FGRM|XP\_011318845.1 MGRA|XP\_003847971.1 MORY|QBZ62231.1 NCRA|XP\_961250.3 SSCL|APA12383.1

>Orthogroup4261: ANID|CBF77635.1 BCIN|XP\_024548100.1 BGRA|VDB93124.1 CFRU|XP\_031889155.1 CGLO|KAF3808799.1 CHIG|XP\_018155685.1 CVIN|KAF4906816.1 CVYL|A00865 FGRM|XP\_011319350.1 MLAR|XP\_007407756.1 MORY|QBZ64624.1 NCRA|XP\_961421.2 SSCL|APA12640.1

>Orthogroup4262: ANID|CBF77676.1 BCIN|XP\_024548494.1 BGRA|VCU40402.1 CFRU|XP\_031886025.1 CGLO|KAF3801129.1 CHIG|XP\_018155230.1 CVIN|KAF4930393.1 CVYL|A05714 FGRM|XP\_011317436.1 MGRA|XP\_003847928.1 MORY|QBZ60909.1 NCRA|XP\_011393569.1 SSCL|APA12154.1

>Orthogroup4263: ANID|CBF77690.1 BCIN|XP\_024547426.1 BGRA|VCU41329.1 CFRU|XP\_031875359.1 CFRU|XP\_031893353.1 CGLO|KAF3808065.1 CHIG|XP\_018152758.1 CHIG|XP\_018158105.1 CVIN|KAF4922807.1 CVYL|A08168 FGRM|XP\_011322662.1 MORY|QBZ66695.1 NCRA|XP\_956344.2

>Orthogroup4264: ANID|CBF77701.1 BCIN|XP\_024548521.1 BGRA|VDB92961.1 CFRU|XP\_031883645.1 CHIG|XP\_018155081.1 CVIN|KAF4921787.1 CVYL|A02022 FGRM|XP\_011317533.1 MGRA|XP\_003847977.1 MLAR|XP\_007416712.1 MORY|QBZ62386.1 NCRA|XP\_959867.2 SSCL|APA12113.1

>Orthogroup4265: ANID|CBF77709.1 BCIN|XP\_024548198.1 BGRA|VCU40724.1 CFRU|XP\_031885330.1 CGLO|KAF3799512.1 CHIG|XP\_018154500.1 CVIN|KAF4931754.1 CVYL|A13373 FGRM|XP\_011324935.1 MGRA|XP\_003847968.1 MORY|QBZ62072.1 NCRA|XP\_011393471.1 SSCL|APA12451.1

>Orthogroup4266: ANID|CBF77722.1 BCIN|XP\_024548203.1 BGRA|VDB96410.1 CFRU|XP\_031881305.1 CHIG|XP\_018154786.1 CVIN|KAF4907439.1 CVYL|A02074 FGRM|XP\_011321211.1 MGRA|XP\_003848188.1 MLAR|XP\_007413408.1 MORY|QBZ57286.1 NCRA|XP\_957971.1 SSCL|APA12455.1

>Orthogroup4267: ANID|CBF77754.1 BCIN|XP\_001546934.2 BGRA|VDB89231.1 CFRU|XP\_031883408.1 CGLO|KAF3801710.1 CHIG|XP\_018159226.1 CVIN|KAF4915637.1 CVYL|A12989 FGRM|XP\_011320143.1 MGRA|XP\_003856479.1 MORY|QBZ62866.1 NCRA|XP\_011395090.1 SSCL|APA14854.1

>Orthogroup4268: ANID|CBF77758.1 BCIN|XP\_001546938.1 BGRA|VDB89300.1 CFRU|XP\_031883406.1 CGLO|KAF3801709.1 CHIG|XP\_018159225.1 CVIN|KAF4915648.1 CVYL|A12990 FGRM|XP\_011320142.1 MGRA|XP\_003856542.1 MORY|QBZ62865.1 NCRA|XP\_960447.1 SSCL|APA14857.1

>Orthogroup4269: ANID|CBF77766.1 BCIN|XP\_001546912.1 BGRA|VDB95192.1 CFRU|XP\_031890841.1 CHIG|XP\_018151376.1 CVIN|KAF4922710.1 CVYL|A12522 FGRM|XP\_011328205.1 MGRA|XP\_003856561.1 MLAR|XP\_007411137.1 MORY|QBZ53882.1 NCRA|XP\_960288.1 SSCL|APA14839.1

>Orthogroup4270: ANID|CBF77772.1 BCIN|XP\_001549133.2 BGRA|VDB95023.1 CFRU|XP\_031884064.1 CGLO|KAF3804993.1 CHIG|XP\_018163525.1 CVIN|KAF4927126.1 CVYL|A06557 FGRM|XP\_011316253.1 MGRA|XP\_003857045.1 MORY|QBZ54800.1 NCRA|XP\_961782.1 SSCL|APA06333.1

>Orthogroup4271: ANID|CBF77777.1 BCIN|XP\_024546695.1 BGRA|VDB89209.1 CFRU|XP\_031890966.1 CGLO|KAF3801682.1 CHIG|XP\_018151463.1 CVIN|KAF4896995.1 CVYL|A12454 FGRM|XP\_011328497.1 MLAR|XP\_007409327.1 MORY|QBZ62623.1 NCRA|XP\_957678.2 SSCL|APA06548.1

>Orthogroup4272: ANID|CBF77783.1 BCIN|XP\_001561038.1 BGRA|VDB95039.1 CFRU|XP\_031890789.1 CGLO|KAF3801650.1 CHIG|XP\_018151418.1 CVIN|KAF4921210.1 CVYL|A12486 FGRM|XP\_011328189.1 MGRA|XP\_003857090.1 MORY|QBZ62679.1 NCRA|XP\_957666.1 SSCL|APA06748.1

>Orthogroup4273: ANID|CBF77785.1 BCIN|XP\_024546495.1 BGRA|VDB95035.1 CFRU|XP\_031890791.1 CGLO|KAF3801651.1 CHIG|XP\_018151421.1 CVIN|KAF4921232.1 CVYL|A12485 FGRM|XP\_011328190.1 MGRA|XP\_003856597.1 MORY|QBZ62676.1 NCRA|XP\_957668.2 SSCL|APA06752.1

>Orthogroup4274: ANID|CBF77788.1 BCIN|XP\_024552743.1 BGRA|VCU39687.1 CFRU|XP\_031885548.1 CGLO|KAF3799417.1 CHIG|XP\_018152171.1 CVIN|KAF4931838.1 CVYL|A13281 FGRM|XP\_011317358.1 MGRA|XP\_003848002.1 MORY|QBZ53922.1 NCRA|XP\_963509.2 SSCL|APA07483.1

>Orthogroup4275: ANID|CBF77792.1 BCIN|XP\_024552889.1 BGRA|VCU39636.1 CGLO|KAF3799414.1 CHIG|XP\_018152168.1 CVIN|KAF4931847.1 CVYL|A13278 FGRM|XP\_011317354.1 MGRA|XP\_003847954.1 MLAR|XP\_007403794.1 MORY|QBZ53918.1 NCRA|XP\_001727960.2 SSCL|APA16081.1

>Orthogroup4276: ANID|CBF77794.1 BCIN|XP\_001550076.1 CFRU|XP\_031892564.1 CGLO|KAF3809152.1 CHIG|XP\_018155943.1 CVIN|KAF4919822.1 CVYL|A01338 FGRM|XP\_011318881.1 MGRA|XP\_003848240.1 MLAR|XP\_007409224.1 MORY|QBZ62445.1 NCRA|XP\_959187.1 SSCL|APA16048.1

>Orthogroup4277: ANID|CBF77800.1 BCIN|XP\_024552991.1 BGRA|VCU41175.1 CFRU|XP\_031883335.1 CGLO|KAF3800574.1 CHIG|XP\_018152106.1 CVIN|KAF4927098.1 CVYL|A13141 FGRM|XP\_011325678.1 MGRA|XP\_003847985.1 MORY|QBZ62115.1 NCRA|XP\_956257.1 SSCL|APA16214.1

>Orthogroup4278: ANID|CBF77805.1 BCIN|XP\_024548163.1 BGRA|VDB94002.1 CFRU|XP\_031889372.1 CGLO|KAF3803157.1 CHIG|XP\_018155515.1 CVIN|KAF4928290.1 CVYL|A01043 FGRM|XP\_011321014.1 MGRA|XP\_003847899.1 MORY|QBZ62248.1 NCRA|XP\_961079.1 SSCL|APA12409.1

>Orthogroup4279: ANID|CBF77809.1 BCIN|XP\_001554452.1 BGRA|VDB93169.1 CFRU|XP\_031889347.1 CGLO|KAF3808803.1 CVIN|KAF4908019.1 CVYL|A00861 FGRM|XP\_011319255.1 MGRA|XP\_003848057.1 MLAR|XP\_007411442.1 MORY|QBZ58080.1 NCRA|XP\_011394747.1 SSCL|APA12634.1

>Orthogroup4280: ANID|CBF77811.1 BCIN|XP\_001554453.1 BGRA|VDB93145.1 CFRU|XP\_031889348.1 CGLO|KAF3808804.1 CHIG|XP\_018155707.1 CVIN|KAF4908015.1 CVYL|A00860 FGRM|XP\_011319256.1 MLAR|XP\_007418479.1 MORY|QBZ58081.1 NCRA|XP\_960797.1 SSCL|APA12625.1

>Orthogroup4281: ANID|CBF77817.1 BCIN|XP\_024548299.1 BGRA|VDB93101.1 CFRU|XP\_031880193.1 CGLO|KAF3809040.1 CHIG|XP\_018155872.1 CVIN|KAF4923773.1 CVYL|A01614 FGRM|XP\_011318959.1 MGRA|XP\_003848115.1 MORY|QBZ57382.1 NCRA|XP\_957591.3 SSCL|APA12553.1

>Orthogroup4282: ANID|CBF77824.1 BCIN|XP\_024548301.1 BGRA|VCU40719.1 CFRU|XP\_031882395.1 CGLO|KAF3807608.1 CHIG|XP\_018156328.1 CVIN|KAF4928943.1 CVYL|A03146 FGRM|XP\_011318876.1 MGRA|XP\_003847869.1 MORY|QBZ56916.1 NCRA|XP\_957622.2 SSCL|APA12551.1

>Orthogroup4283: ANID|CBF77835.1 BCIN|XP\_001555393.1 CFRU|XP\_031886905.1 CGLO|KAF3811465.1 CHIG|XP\_018160711.1 CVIN|KAF4917884.1 CVYL|A04669 FGRM|XP\_011327249.1 MGRA|XP\_003850241.1 MLAR|XP\_007410652.1 MORY|QBZ54249.1 NCRA|XP\_955969.1 SSCL|APA08137.1

>Orthogroup4284: ANID|CBF77838.1 BCIN|XP\_024547829.1 BGRA|VCU38822.1 CFRU|XP\_031886907.1 CGLO|KAF3811463.1 CHIG|XP\_018160709.1 CVIN|KAF4917888.1 CVYL|A04667 FGRM|XP\_011327247.1 MGRA|XP\_003850233.1 MORY|QBZ54247.1 NCRA|XP\_955967.1 SSCL|APA08139.1

>Orthogroup4285: ANID|CBF77849.1 BCIN|XP\_024547819.1 BGRA|VDB86048.1 CFRU|XP\_031887089.1 CGLO|KAF3811457.1 CHIG|XP\_018160701.1 CVIN|KAF4917865.1 CVYL|A04659 FGRM|XP\_011327239.1 MGRA|XP\_003850085.1 MORY|QBZ54262.1 NCRA|XP\_001728527.2 SSCL|APA08126.1

>Orthogroup4286: ANID|CBF77857.1 BCIN|XP\_001555375.1 BGRA|VDB86212.1 CFRU|XP\_031887058.1 CHIG|XP\_018160705.1 CVIN|KAF4917886.1 CVYL|A04664 FGRM|XP\_011327243.1 MGRA|XP\_003850114.1 MLAR|XP\_007406917.1 MORY|QBZ54256.1 NCRA|XP\_001728530.2 SSCL|APA08121.1

>Orthogroup4287: ANID|CBF77863.1 BCIN|XP\_024547586.1 BGRA|VDB85909.1 CFRU|XP\_031886330.1 CGLO|KAF3806340.1 CHIG|XP\_018162130.1 CVIN|KAF4908671.1 CVYL|A11928 FGRM|XP\_011326614.1 MGRA|XP\_003850016.1 MORY|QBZ61388.1 NCRA|XP\_011393878.1 SSCL|APA07822.1

>Orthogroup4288: ANID|CBF77865.1 BCIN|XP\_024547591.1 BGRA|VDB85896.1 CFRU|XP\_031886369.1 CHIG|XP\_018162143.1 CVIN|KAF4923944.1 CVYL|A11902 FGRM|XP\_011326603.1 MGRA|XP\_003849915.1 MLAR|XP\_007406672.1 MORY|QBZ61527.1 NCRA|XP\_957303.1 SSCL|APA07816.1

>Orthogroup4289: ANID|CBF77867.1 BCIN|XP\_024547927.1 BGRA|VDB86176.1 CFRU|XP\_031877799.1 CHIG|XP\_018162414.1 CVIN|KAF4916935.1 CVYL|A07302 FGRM|XP\_011318425.1 MGRA|XP\_003849958.1 MLAR|XP\_007407247.1 MORY|QBZ55664.1 NCRA|XP\_001728212.1 SSCL|APA08256.1

>Orthogroup4290: ANID|CBF77870.1 BCIN|XP\_001549850.1 BGRA|VDB86174.1 CFRU|XP\_031877774.1 CGLO|KAF3810661.1 CHIG|XP\_018162416.1 CVIN|KAF4916933.1 CVYL|A07300 FGRM|XP\_011318423.1 MGRA|XP\_003849957.1 MORY|QBZ55662.1 NCRA|XP\_963078.2 SSCL|APA08258.1

>Orthogroup4291: ANID|CBF77876.1 BCIN|XP\_001555030.1 BGRA|VDB86177.1 CFRU|XP\_031886269.1 CGLO|KAF3806272.1 CHIG|XP\_018162098.1 CVIN|KAF4923959.1 CVYL|A11862 FGRM|XP\_011324025.1 MLAR|XP\_007410312.1 MORY|QBZ61579.1 NCRA|XP\_011393836.1 SSCL|APA07797.1

>Orthogroup4292: ANID|CBF77883.1 BCIN|XP\_001551892.1 BGRA|VDB85924.1 CFRU|XP\_031887055.1 CGLO|KAF3811268.1 CHIG|XP\_018160489.1 CVIN|KAF4927236.1 CVYL|A04469 FGRM|XP\_011326933.1 MGRA|XP\_003850398.1 MORY|QBZ58094.1 NCRA|XP\_960827.1 SSCL|APA15210.1

>Orthogroup4293: ANID|CBF77892.1 BCIN|XP\_024553765.1 BGRA|VDB84303.1 CFRU|XP\_031887101.1 CGLO|KAF3811206.1 CHIG|XP\_018160443.1 CVIN|KAF4931174.1 CVYL|A04372 FGRM|XP\_011326681.1 MLAR|XP\_007410676.1 MORY|QBZ64771.1 NCRA|XP\_961149.3 SSCL|APA15142.1

>Orthogroup4294: ANID|CBF77896.1 BCIN|XP\_001549845.1 BGRA|VDB86196.1 CFRU|XP\_031877759.1 CGLO|KAF3810657.1 CHIG|XP\_018162411.1 CVIN|KAF4916938.1 CVYL|A07305 FGRM|XP\_011318428.1 MGRA|XP\_003850356.1 MLAR|XP\_007409636.1 MORY|QBZ55716.1 SSCL|APA08253.1

>Orthogroup4295: ANID|CBF77909.1 BCIN|XP\_024551288.1 BGRA|VCU39948.1 CFRU|XP\_031877780.1 CGLO|KAF3810679.1 CHIG|XP\_018162439.1 CVIN|KAF4916945.1 CVYL|A07279 FGRM|XP\_011318449.1 MGRA|XP\_003850443.1 MORY|QBZ61363.1 NCRA|XP\_956195.1 SSCL|APA10257.1

>Orthogroup4296: ANID|CBF77919.1 BCIN|XP\_001554996.1 BGRA|VCU38833.1 CFRU|XP\_031885156.1 CGLO|KAF3807675.1 CHIG|XP\_018162890.1 CVIN|KAF4927824.1 CVYL|A06842 FGRM|XP\_011326280.1 MGRA|XP\_003850442.1 MLAR|XP\_007411349.1 NCRA|XP\_957265.1 SSCL|APA07776.1

>Orthogroup4297: ANID|CBF77921.1 BCIN|XP\_024547629.1 BGRA|VCU38831.1 CFRU|XP\_031886232.1 CGLO|KAF3806252.1 CHIG|XP\_018162087.1 CVIN|KAF4931453.1 CVYL|A11842 FGRM|XP\_011326635.1 MGRA|XP\_003850342.1 MLAR|XP\_007416509.1 NCRA|XP\_957291.2 SSCL|APA07774.1

>Orthogroup4298: ANID|CBF77926.1 BCIN|XP\_024551449.1 BGRA|VDB88366.1 CFRU|XP\_031893217.1 CGLO|KAF3809495.1 CHIG|XP\_018152682.1 CVIN|KAF4921295.1 CVYL|A10064 FGRM|XP\_011317968.1 MLAR|XP\_007406482.1 MORY|QBZ55069.1 NCRA|XP\_961682.2 SSCL|APA10455.1

>Orthogroup4299: ANID|CBF77928.1 BCIN|XP\_024551451.1 BGRA|VDB89544.1 CFRU|XP\_031893214.1 CHIG|XP\_018152683.1 CVIN|KAF4921294.1 CVYL|A10063 FGRM|XP\_011317967.1 MGRA|XP\_003850428.1 MLAR|XP\_007407648.1 MORY|QBZ55070.1 NCRA|XP\_961681.2 SSCL|APA10457.1

>Orthogroup4300: ANID|CBF77934.1 BCIN|XP\_001555053.1 CFRU|XP\_031886432.1 CGLO|KAF3806343.1 CHIG|XP\_018162133.1 CVIN|KAF4908673.1 CVYL|A11931 FGRM|XP\_011326611.1 MGRA|XP\_003850060.1 MLAR|XP\_007409369.1 MORY|QBZ61378.1 NCRA|XP\_011393880.1 SSCL|APA07814.1

>Orthogroup4301: ANID|CBF77936.1 BCIN|XP\_024547592.1 CFRU|XP\_031886438.1 CGLO|KAF3806344.1 CHIG|XP\_018162135.1 CVIN|KAF4908672.1 CVYL|A11932 FGRM|XP\_011326610.1 MLAR|XP\_007405263.1 MLAR|XP\_007414940.1 MORY|QBZ61391.1 NCRA|XP\_962989.3 SSCL|APA07815.1

>Orthogroup4302: ANID|CBF77940.1 BCIN|XP\_001546822.1 BGRA|VCU39454.1 CFRU|XP\_031886813.1 CGLO|KAF3801203.1 CHIG|XP\_018162494.1 CVIN|KAF4932036.1 CVYL|A07130 FGRM|XP\_011324108.1 MLAR|XP\_007411266.1 MORY|QBZ56491.1 NCRA|XP\_957740.1 SSCL|APA10423.1

>Orthogroup4303: ANID|CBF77947.1 BCIN|XP\_001558975.2 BGRA|VCU40667.1 CFRU|XP\_031888837.1 CGLO|KAF3804228.1 CHIG|XP\_018160072.1 CVIN|KAF4930133.1 CVYL|A03916 FGRM|XP\_011324579.1 MGRA|XP\_003850152.1 MORY|QBZ64647.1 NCRA|XP\_961351.1 SSCL|APA05835.1

>Orthogroup4304: ANID|CBF77973.1 BCIN|XP\_024553332.1 BGRA|VCU40502.1 CFRU|XP\_031886529.1 CGLO|KAF3800265.1 CHIG|XP\_018162751.1 CVIN|KAF4927564.1 CVYL|A06972 FGRM|XP\_011327028.1 MGRA|XP\_003850004.1 MORY|QBZ61340.1 NCRA|XP\_957342.2 SSCL|APA13647.1

>Orthogroup4305: ANID|CBF77975.1 BCIN|XP\_024553357.1 BGRA|VCU40509.1 CFRU|XP\_031886902.1 CGLO|KAF3811292.1 CHIG|XP\_018160517.1 CVIN|KAF4927267.1 CVYL|A04439 FGRM|XP\_011326457.1 MGRA|XP\_003850212.1 MORY|QBZ57740.1 NCRA|XP\_961536.1 SSCL|APA13676.1

>Orthogroup4306: ANID|CBF77983.1 BCIN|XP\_001547084.2 BGRA|VCU40557.1 CFRU|XP\_031888989.1 CGLO|KAF3799243.1 CHIG|XP\_018159885.1 CVIN|KAF4908836.1 CVYL|A10136 FGRM|XP\_011328810.1 MLAR|XP\_007414819.1 MORY|QBZ58680.1 NCRA|XP\_958524.1 SSCL|APA05869.1

>Orthogroup4307: ANID|CBF77998.1 BCIN|XP\_001555820.2 BGRA|VCU40644.1 CFRU|XP\_031882136.1 CGLO|KAF3804342.1 CHIG|XP\_018160129.1 CVIN|KAF4918343.1 CVYL|A04030 FGRM|XP\_011324576.1 MGRA|XP\_003850781.1 MORY|QBZ59167.1 NCRA|XP\_961156.2 SSCL|APA05921.1

>Orthogroup4308: ANID|CBF78003.1 BCIN|XP\_001558642.2 BGRA|VCU40663.1 CFRU|XP\_031888981.1 CGLO|KAF3799386.1 CHIG|XP\_018159958.1 CVIN|KAF4906793.1 CVYL|A03474 FGRM|XP\_011324467.1 MGRA|XP\_003850127.1 MORY|QBZ59177.1 NCRA|XP\_961711.1 SSCL|APA05671.1

>Orthogroup4309: ANID|CBF78007.1 BCIN|XP\_001547085.1 BGRA|VCU40556.1 CFRU|XP\_031888988.1 CGLO|KAF3799244.1 CHIG|XP\_018159886.1 CVIN|KAF4908837.1 CVYL|A10137 FGRM|XP\_011328793.1 MGRA|XP\_003850223.1 MORY|QBZ58681.1 NCRA|XP\_958525.1 SSCL|APA05870.1

>Orthogroup4310: ANID|CBF78013.1 BCIN|XP\_001557003.2 BGRA|VDB83940.1 CFRU|XP\_031886436.1 CHIG|XP\_018162242.1 CVIN|KAF4899314.1 CVYL|A11939 FGRM|XP\_011324052.1 MGRA|XP\_003853035.1 MLAR|XP\_007410396.1 MORY|QBZ61598.1 NCRA|XP\_962812.3 SSCL|APA10225.1

>Orthogroup4311: ANID|CBF78027.1 BCIN|XP\_024551300.1 BGRA|VCU41116.1 CFRU|XP\_031886416.1 CGLO|KAF3806354.1 CHIG|XP\_018162239.1 CVIN|KAF4899315.1 CVYL|A11942 FGRM|XP\_011324049.1 MGRA|XP\_003852850.1 MORY|QBZ61601.1 NCRA|XP\_956590.1 SSCL|APA10222.1

>Orthogroup4312: ANID|CBF78058.1 BCIN|XP\_001546394.1 BCIN|XP\_024551050.1 CFRU|XP\_031892018.1 CGLO|KAF3800134.1 CHIG|XP\_018165068.1 CVIN|KAF4925814.1 CVYL|A06823 MORY|QBZ64111.1 NCRA|XP\_963472.2 NCRA|XP\_964150.3 SSCL|APA11978.1 SSCL|APA12254.1

>Orthogroup4313: ANID|CBF78063.1 BCIN|XP\_001554594.1 BGRA|VDB87673.1 CFRU|XP\_031880465.1 CGLO|KAF3807252.1 CHIG|XP\_018156926.1 CVIN|KAF4928144.1 FGRM|XP\_011320221.1 MGRA|XP\_003856185.1 MLAR|XP\_007416515.1 MORY|QBZ66083.1 NCRA|XP\_964727.2 SSCL|APA11653.1

>Orthogroup4314: ANID|CBF78069.1 BCIN|XP\_001551563.1 BGRA|VDB89838.1 CFRU|XP\_031887927.1 CGLO|KAF3802135.1 CHIG|XP\_018154288.1 CVIN|KAF4912420.1 CVYL|A03258 FGRM|XP\_011320066.1 MGRA|XP\_003852090.1 MORY|QBZ66051.1 NCRA|XP\_964196.1 SSCL|APA11904.1

>Orthogroup4315: ANID|CBF78071.1 BCIN|XP\_024550887.1 BGRA|VDB89836.1 CFRU|XP\_031888137.1 CHIG|XP\_018154286.1 CVIN|KAF4912421.1 CVYL|A03259 FGRM|XP\_011320067.1 MGRA|XP\_003852034.1 MLAR|XP\_007413779.1 MORY|QBZ66112.1 NCRA|XP\_964995.1 SSCL|APA11903.1

>Orthogroup4316: ANID|CBF78074.1 BCIN|XP\_001551559.1 BGRA|VDB89839.1 CFRU|XP\_031888168.1 CGLO|KAF3802126.1 CHIG|XP\_018154273.1 CVIN|KAF4912414.1 CVYL|A03267 FGRM|XP\_011320184.1 MLAR|XP\_007414197.1 MORY|QBZ66110.1 NCRA|XP\_964562.1 SSCL|APA11890.1

>Orthogroup4317: ANID|CBF78098.1 BCIN|XP\_024550244.1 CFRU|XP\_031882201.1 CFRU|XP\_031888783.1 CGLO|KAF3804208.1 CGLO|KAF3804382.1 CHIG|XP\_018160196.1 CVIN|KAF4894258.1 CVYL|A03883 CVYL|A04078 FGRM|XP\_011324254.1 MGRA|XP\_003849266.1 SSCL|APA10922.1

>Orthogroup4318: ANID|CBF78110.1 BCIN|XP\_001550444.1 BGRA|VDB95331.1 CFRU|XP\_031892699.1 CGLO|KAF3797098.1 CHIG|XP\_018157067.1 CVIN|KAF4911384.1 CVYL|A10609 FGRM|XP\_011325066.1 MGRA|XP\_003852035.1 MORY|QBZ65957.1 NCRA|XP\_964647.1 SSCL|APA11675.1

>Orthogroup4319: ANID|CBF78118.1 BCIN|XP\_024551139.1 BGRA|VDB89526.1 CFRU|XP\_031887906.1 CGLO|KAF3802314.1 CHIG|XP\_018154417.1 CVIN|KAF4891978.1 CVYL|A10829 FGRM|XP\_011319749.1 MLAR|XP\_007407315.1 MORY|QBZ65814.1 NCRA|XP\_965532.1 SSCL|APA12085.1

>Orthogroup4320: ANID|CBF78182.1 BCIN|XP\_001546379.2 CFRU|XP\_031877719.1 CGLO|KAF3797355.1 CHIG|XP\_018157156.1 CVIN|KAF4929375.1 CVYL|A10335 FGRM|XP\_011320084.1 MGRA|XP\_003852723.1 MLAR|XP\_007403477.1 MORY|QBZ65941.1 NCRA|XP\_964627.3 SSCL|APA12022.1

>Orthogroup4321: ANID|CBF78193.1 BCIN|XP\_001548578.1 BGRA|VDB88184.1 CFRU|XP\_031877721.1 CGLO|KAF3797313.1 CHIG|XP\_018157198.1 CVIN|KAF4893355.1 CVYL|A10382 FGRM|XP\_011320020.1 MGRA|XP\_003852692.1 MLAR|XP\_007407235.1 NCRA|XP\_959454.1 SSCL|APA11754.1

>Orthogroup4322: ANID|CBF78199.1 BCIN|XP\_001553283.1 BGRA|VDB95221.1 CFRU|XP\_031887924.1 CHIG|XP\_018154291.1 CVIN|KAF4912427.1 CVYL|A03255 FGRM|XP\_011320063.1 MGRA|XP\_003852070.1 MLAR|XP\_007413780.1 MORY|QBZ66054.1 NCRA|XP\_964199.1 SSCL|APA12044.1

>Orthogroup4323: ANID|CBF78202.1 BCIN|XP\_001550431.1 BGRA|VDB89805.1 CFRU|XP\_031891332.1 CHIG|XP\_018157355.1 CVIN|KAF4929393.1 CVYL|A10283 FGRM|XP\_011320195.1 MGRA|XP\_003852722.1 MLAR|XP\_007413774.1 MORY|QBZ66253.1 NCRA|XP\_964107.1 SSCL|APA11686.1

>Orthogroup4324: ANID|CBF78204.1 BCIN|XP\_001550430.2 BGRA|VDB89803.1 CFRU|XP\_031891333.1 CGLO|KAF3797395.1 CHIG|XP\_018157354.1 CVIN|KAF4929394.1 FGRM|XP\_011320196.1 MGRA|XP\_003852720.1 MLAR|XP\_007410070.1 MORY|QBZ66252.1 NCRA|XP\_964106.1 SSCL|APA11687.1

>Orthogroup4325: ANID|CBF78221.1 BCIN|XP\_001551685.1 BGRA|VDB89813.1 CFRU|XP\_031892541.1 CGLO|KAF3797224.1 CHIG|XP\_018157283.1 CVIN|KAF4917695.1 CVYL|A10472 FGRM|XP\_011320109.1 MGRA|XP\_003852092.1 MORY|QBZ66002.1 NCRA|XP\_963796.3 SSCL|APA11596.1

>Orthogroup4326: ANID|CBF78223.1 BCIN|XP\_001556233.1 BGRA|VDB90502.1 CFRU|XP\_031890343.1 CGLO|KAF3804883.1 CHIG|XP\_018164385.1 CVIN|KAF4921155.1 CVYL|A12180 FGRM|XP\_011316271.1 MGRA|XP\_003852695.1 MORY|QBZ63919.1 NCRA|XP\_959158.2 SSCL|APA08989.1

>Orthogroup4327: ANID|CBF78226.1 BCIN|XP\_001548520.1 BCIN|XP\_024550879.1 CFRU|XP\_031877734.1 CGLO|KAF3797335.1 CHIG|XP\_018157173.1 CVIN|KAF4917664.1 CVYL|A10358 FGRM|XP\_011319943.1 MGRA|XP\_003852739.1 MORY|QBZ66251.1 NCRA|XP\_011392938.1 SSCL|APA11808.1

>Orthogroup4328: ANID|CBF78230.1 ANID|CBF82277.1 BCIN|XP\_001547859.1 CFRU|XP\_031876431.1 CFRU|XP\_031878700.1 CGLO|KAF3798320.1 CGLO|KAF3801973.1 CHIG|XP\_018155402.1 CHIG|XP\_018156605.1 CVIN|KAF4919806.1 CVIN|KAF4920337.1 CVYL|A02408 CVYL|A09048

>Orthogroup4329: ANID|CBF78265.1 BCIN|XP\_024549040.1 CFRU|XP\_031887328.1 CFRU|XP\_031889648.1 CGLO|KAF3809388.1 CGLO|KAF3810520.1 CHIG|XP\_018159862.1 CHIG|XP\_018161498.1 CVIN|KAF4893025.1 CVIN|KAF4914563.1 CVYL|A02886 CVYL|A13598 FGRM|XP\_011320770.1

>Orthogroup4330: ANID|CBF78282.1 BCIN|XP\_001559243.1 BGRA|VDB87967.1 CFRU|XP\_031883113.1 CGLO|KAF3808254.1 CHIG|XP\_018163161.1 CVIN|KAF4900281.1 CVYL|A00590 FGRM|XP\_011326165.1 MGRA|XP\_003857549.1 MORY|QBZ61725.1 NCRA|XP\_956234.1 SSCL|APA08947.1

>Orthogroup4331: ANID|CBF78587.1 BCIN|XP\_001552319.1 BGRA|VDB86303.1 CFRU|XP\_031886850.1 CGLO|KAF3811455.1 CHIG|XP\_018160699.1 CVIN|KAF4917866.1 CVYL|A04657 FGRM|XP\_011327237.1 MGRA|XP\_003855425.1 MORY|QBZ53834.1 NCRA|XP\_960746.2 SSCL|APA11155.1

>Orthogroup4332: ANID|CBF78589.1 BCIN|XP\_001552320.2 BGRA|VDB89550.1 CFRU|XP\_031882249.1 CGLO|KAF3804444.1 CHIG|XP\_018160267.1 CVIN|KAF4930971.1 CVYL|A04152 FGRM|XP\_011324503.1 MLAR|XP\_007404104.1 MORY|QBZ53821.1 NCRA|XP\_960745.3 SSCL|APA11157.1

>Orthogroup4333: ANID|CBF78594.1 BCIN|XP\_001550170.1 BGRA|VDB91313.1 CFRU|XP\_031886295.1 CGLO|KAF3806294.1 CHIG|XP\_018162247.1 CVIN|KAF4923947.1 CVYL|A11886 FGRM|XP\_011324062.1 MGRA|XP\_003855068.1 MORY|QBZ55506.1 NCRA|XP\_957766.1 SSCL|APA11337.1

>Orthogroup4334: ANID|CBF78608.1 BCIN|XP\_001553038.1 BGRA|VDB94678.1 CFRU|XP\_031887108.1 CGLO|KAF3811415.1 CHIG|XP\_018160654.1 CVIN|KAF4919694.1 CVYL|A04612 FGRM|XP\_011326898.1 MGRA|XP\_003855613.1 MORY|QBZ58115.1 NCRA|XP\_961393.2 SSCL|APA11294.1

>Orthogroup4335: ANID|CBF78620.1 BCIN|XP\_024547948.1 CFRU|XP\_031879290.1 CFRU|XP\_031891601.1 CGLO|KAF3797408.1 CGLO|KAF3808628.1 CHIG|XP\_018157366.1 CHIG|XP\_018161884.1 CVIN|KAF4926188.1 CVIN|KAF4929407.1 CVYL|A10269 FGRM|XP\_011317609.1 MGRA|XP\_003857568.1

>Orthogroup4336: ANID|CBF78634.1 BCIN|XP\_024552066.1 BGRA|VCU39183.1 CFRU|XP\_031893596.1 CGLO|KAF3796917.1 CHIG|XP\_018157437.1 CVIN|KAF4908259.1 CVYL|A09442 FGRM|XP\_011321338.1 MGRA|XP\_003849827.1 MORY|QBZ57175.1 NCRA|XP\_961768.3 SSCL|APA12844.1

>Orthogroup4337: ANID|CBF78642.1 BCIN|XP\_001550296.2 BGRA|VCU39186.1 CFRU|XP\_031887464.1 CGLO|KAF3803319.1 CHIG|XP\_018161171.1 CVIN|KAF4898743.1 CVYL|A03756 FGRM|XP\_011321354.1 MLAR|XP\_007418773.1 MORY|QBZ57176.1 NCRA|XP\_962212.2 SSCL|APA12837.1

>Orthogroup4338: ANID|CBF78646.1 BCIN|XP\_024552068.1 BGRA|VCU39188.1 CFRU|XP\_031887468.1 CHIG|XP\_018161169.1 CVIN|KAF4898745.1 CVYL|A03754 FGRM|XP\_011321362.1 MGRA|XP\_003849432.1 MLAR|XP\_007417578.1 MORY|QBZ64534.1 NCRA|XP\_962209.2 SSCL|APA12842.1

>Orthogroup4339: ANID|CBF78648.1 BCIN|XP\_024552069.1 BGRA|VCU39189.1 CFRU|XP\_031887717.1 CGLO|KAF3803316.1 CHIG|XP\_018161168.1 CVIN|KAF4898748.1 CVYL|A03753 FGRM|XP\_011321363.1 MGRA|XP\_003849781.1 MORY|QBZ64588.1 NCRA|XP\_962668.1 SSCL|APA12841.1

>Orthogroup4340: ANID|CBF78650.1 BCIN|XP\_001550285.1 BGRA|VCU39254.1 CFRU|XP\_031887718.1 CGLO|KAF3803315.1 CHIG|XP\_018161167.1 CVIN|KAF4898749.1 CVYL|A03750 FGRM|XP\_011321365.1 MGRA|XP\_003849301.1 MORY|QBZ64587.1 NCRA|XP\_964439.2 SSCL|APA12840.1

>Orthogroup4341: ANID|CBF78652.1 BCIN|XP\_001551188.1 BGRA|VDB91321.1 CFRU|XP\_031880482.1 CGLO|KAF3811576.1 CHIG|XP\_018160841.1 CVYL|A03427 FGRM|XP\_011327935.1 MGRA|XP\_003849539.1 MLAR|XP\_007403939.1 MORY|QBZ56613.1 NCRA|XP\_962009.1 SSCL|APA13214.1

>Orthogroup4342: ANID|CBF78654.1 BCIN|XP\_024552254.1 BGRA|VDB92681.1 CFRU|XP\_031878665.1 CGLO|KAF3797554.1 CHIG|XP\_018151112.1 CVIN|KAF4923549.1 CVYL|A08993 FGRM|XP\_011323497.1 MGRA|XP\_003849345.1 MORY|QBZ64059.1 NCRA|XP\_962571.2 SSCL|APA13101.1

>Orthogroup4343: ANID|CBF78656.1 BCIN|XP\_024552318.1 BGRA|VDB92753.1 CFRU|XP\_031887766.1 CGLO|KAF3803272.1 CHIG|XP\_018161124.1 CVIN|KAF4928639.1 CVYL|A03706 FGRM|XP\_011327959.1 MLAR|XP\_007417736.1 MORY|QBZ58366.1 NCRA|XP\_962017.1 SSCL|APA13203.1

>Orthogroup4344: ANID|CBF78663.1 BCIN|XP\_001557171.1 BGRA|VDB88100.1 CFRU|XP\_031885008.1 CGLO|KAF3800292.1 CHIG|XP\_018162779.1 CVIN|KAF4927601.1 CVYL|A06940 FGRM|XP\_011318464.1 MGRA|XP\_003851757.1 MORY|QBZ63881.1 NCRA|XP\_956675.3 SSCL|APA14998.1

>Orthogroup4345: ANID|CBF78665.1 BCIN|XP\_024552438.1 CFRU|XP\_031885013.1 CGLO|KAF3800291.1 CHIG|XP\_018162780.1 CVIN|KAF4927595.1 CVYL|A06941 FGRM|XP\_011318463.1 MGRA|XP\_003854565.1 MLAR|XP\_007412220.1 MORY|QBZ63880.1 NCRA|XP\_956676.2 SSCL|APA14997.1

>Orthogroup4346: ANID|CBF78699.1 BCIN|XP\_001557160.1 BGRA|VDB93568.1 CFRU|XP\_031885212.1 CGLO|KAF3800353.1 CHIG|XP\_018162842.1 CVIN|KAF4914543.1 CVYL|A07553 FGRM|XP\_011326402.1 MLAR|XP\_007409553.1 MORY|QBZ59528.1 NCRA|XP\_958605.1 SSCL|APA15002.1

>Orthogroup4347: ANID|CBF78710.1 BCIN|XP\_001549446.2 BCIN|XP\_024546786.1 CFRU|XP\_031882668.1 CFRU|XP\_031889053.1 CGLO|KAF3799369.1 CGLO|KAF3803881.1 CHIG|XP\_018159966.1 CVIN|KAF4910733.1 CVIN|KAF4925455.1 CVYL|A04675 CVYL|A08919 FGRM|XP\_011322088.1

>Orthogroup4348: ANID|CBF78714.1 BCIN|XP\_024548910.1 CGLO|KAF3798288.1 CGLO|KAF3798289.1 CVYL|A07676 FGRM|XP\_011328279.1 MORY|QBZ54102.1 MORY|QBZ55224.1 MORY|QBZ56752.1 MORY|QBZ62301.1 MORY|QBZ62302.1 MORY|QBZ63474.1 NCRA|XP\_011392839.1

>Orthogroup4349: ANID|CBF78763.1 BCIN|XP\_001553945.1 BGRA|VDB94828.1 CFRU|XP\_031891319.1 CHIG|XP\_018161760.1 CVIN|KAF4923391.1 CVYL|A05196 FGRM|XP\_011321536.1 MGRA|XP\_003855359.1 MLAR|XP\_007404600.1 MORY|QBZ59566.1 NCRA|XP\_956774.1 SSCL|APA11074.1

>Orthogroup4350: ANID|CBF78774.1 BCIN|XP\_024550132.1 BGRA|VDB94903.1 CFRU|XP\_031891627.1 CGLO|KAF3804605.1 CHIG|XP\_018161679.1 CVIN|KAF4919100.1 CVYL|A05275 FGRM|XP\_011318707.1 MGRA|XP\_003855414.1 MORY|QBZ64119.1 NCRA|XP\_957856.2 SSCL|APA10797.1

>Orthogroup4351: ANID|CBF78784.1 ANID|CBF86372.1 CFRU|XP\_031878352.1 CFRU|XP\_031892415.1 CGLO|KAF3797107.1 CGLO|KAF3798101.1 CHIG|XP\_018158132.1 CVIN|KAF4922409.1 CVIN|KAF4927938.1 CVYL|A08256 CVYL|A10600 FGRM|XP\_011328465.1 MORY|QBZ64888.1

>Orthogroup4352: ANID|CBF78793.1 CFRU|XP\_031880266.1 CFRU|XP\_031883861.1 CGLO|KAF3805172.1 CGLO|KAF3809017.1 CHIG|XP\_018163344.1 CVIN|KAF4918013.1 CVIN|KAF4927471.1 CVYL|A01588 CVYL|A06578 FGRM|XP\_011315689.1 FGRM|XP\_011325814.1 MORY|QBZ64655.1

>Orthogroup4353: ANID|CBF78806.1 BCIN|XP\_001553707.1 CFRU|XP\_031880298.1 CGLO|KAF3808936.1 CHIG|XP\_018155766.1 CVIN|KAF4920744.1 CVYL|A01154 FGRM|XP\_011328708.1 MORY|QBZ59729.1 MORY|QBZ63547.1 NCRA|XP\_956591.1 NCRA|XP\_958234.1 SSCL|APA13507.1

>Orthogroup4354: ANID|CBF78811.1 ANID|CBF80106.1 ANID|CBF80619.1 CFRU|XP\_031881774.1 CFRU|XP\_031891889.1 CGLO|KAF3810015.1 CVIN|KAF4888679.1 CVIN|KAF4910736.1 CVYL|A02615 FGRM|XP\_011320930.1 FGRM|XP\_011321964.1 MGRA|XP\_003852004.1 MORY|QBZ64092.1

>Orthogroup4355: ANID|CBF78911.1 BCIN|XP\_001554679.1 BGRA|VDB84155.1 CFRU|XP\_031891553.1 CGLO|KAF3797444.1 CHIG|XP\_018157407.1 CVIN|KAF4929359.1 CVYL|A10233 FGRM|XP\_011323015.1 MGRA|XP\_003854657.1 MORY|QBZ66376.1 NCRA|XP\_959148.1 SSCL|APA11016.1

>Orthogroup4356: ANID|CBF78930.1 CFRU|XP\_031890162.1 CGLO|KAF3802897.1 CHIG|XP\_018158488.1 CVIN|KAF4913029.1 CVYL|A05116 FGRM|XP\_011316401.1 MGRA|XP\_003853630.1 MORY|QBZ55928.1 MORY|QBZ64161.1 NCRA|XP\_011392853.1 NCRA|XP\_964951.2 SSCL|APA09520.1

>Orthogroup4357: ANID|CBF78965.1 CFRU|XP\_031878915.1 CFRU|XP\_031882986.1 CGLO|KAF3800767.1 CGLO|KAF3807832.1 CHIG|XP\_018162976.1 CVIN|KAF4894263.1 CVIN|KAF4919657.1 CVYL|A00437 CVYL|A00773 FGRM|XP\_011320761.1 FGRM|XP\_011322044.1 MORY|QBZ64176.1

>Orthogroup4358: ANID|CBF78975.1 CFRU|XP\_031891542.1 CFRU|XP\_031891894.1 CGLO|KAF3800177.1 CGLO|KAF3804699.1 CVIN|KAF4892243.1 CVIN|KAF4923381.1 CVYL|A05424 CVYL|A06870 FGRM|XP\_011318178.1 FGRM|XP\_011324460.1 MGRA|XP\_003849975.1 MORY|QBZ66095.1

>Orthogroup4359: ANID|CBF79002.1 BCIN|XP\_001547236.2 BGRA|VDB91259.1 CFRU|XP\_031890050.1 CGLO|KAF3808329.1 CHIG|XP\_018151291.1 CVIN|KAF4904112.1 CVYL|A09210 FGRM|XP\_011323838.1 MGRA|XP\_003854629.1 MORY|QBZ64600.1 NCRA|XP\_962467.1 SSCL|APA07371.1

>Orthogroup4360: ANID|CBF79042.1 ANID|CBF89822.1 BCIN|XP\_001557246.1 CFRU|XP\_031875705.1 CFRU|XP\_031877154.1 CGLO|KAF3798161.1 CGLO|KAF3804010.1 CHIG|XP\_018154052.1 CVIN|KAF4919113.1 CVYL|A04956 FGRM|XP\_011319923.1 MORY|QBZ66526.1 SSCL|APA12715.1

>Orthogroup4361: ANID|CBF79057.1 CFRU|XP\_031882587.1 CFRU|XP\_031888765.1 CGLO|KAF3803878.1 CHIG|XP\_018159933.1 CVIN|KAF4924795.1 CVIN|KAF4925422.1 CVYL|A04108 CVYL|A08922 FGRM|XP\_011317860.1 FGRM|XP\_011317861.1 FGRM|XP\_011318389.1 NCRA|XP\_961177.1

>Orthogroup4362: ANID|CBF79069.1 BCIN|XP\_001546001.1 CFRU|XP\_031877384.1 CGLO|KAF3805326.1 CHIG|XP\_018162025.1 CVIN|KAF4931505.1 CVYL|A11731 FGRM|XP\_011318479.1 MGRA|XP\_003854321.1 MLAR|XP\_007409738.1 MORY|QBZ59613.1 NCRA|XP\_962950.2 SSCL|APA08271.1

>Orthogroup4363: ANID|CBF79074.1 BCIN|XP\_001555503.2 BGRA|VDB85764.1 CFRU|XP\_031877188.1 CGLO|KAF3806436.1 CHIG|XP\_018162323.1 CVIN|KAF4918033.1 CVYL|A12032 FGRM|XP\_011323953.1 MGRA|XP\_003855731.1 MORY|QBZ61413.1 NCRA|XP\_963133.2 SSCL|APA08202.1

>Orthogroup4364: ANID|CBF79076.1 BCIN|XP\_024547881.1 BGRA|VDB85792.1 BGRA|VDB85793.1 CFRU|XP\_031877386.1 CGLO|KAF3805328.1 CHIG|XP\_018162023.1 CVIN|KAF4931507.1 CVYL|A11729 FGRM|XP\_011318477.1 MORY|QBZ59615.1 NCRA|XP\_962958.2 SSCL|APA08203.1

>Orthogroup4365: ANID|CBF79085.1 BCIN|XP\_001547435.2 BGRA|VDB93819.1 CFRU|XP\_031883346.1 CGLO|KAF3800557.1 CHIG|XP\_018152137.1 CHIG|XP\_018152332.1 CVIN|KAF4923813.1 CVYL|A13160 FGRM|XP\_011317235.1 MORY|QBZ57290.1 NCRA|XP\_963167.1 SSCL|APA13521.1

>Orthogroup4366: ANID|CBF79113.1 ANID|CBF80733.1 BCIN|XP\_001555968.1 CFRU|XP\_031882764.1 CFRU|XP\_031884615.1 CGLO|KAF3799715.1 CGLO|KAF3806652.1 CHIG|XP\_018158261.1 CHIG|XP\_018164217.1 CVIN|KAF4918906.1 CVYL|A12365 FGRM|XP\_011315609.1 SSCL|APA13909.1

>Orthogroup4367: ANID|CBF79186.1 BCIN|XP\_024553385.1 CFRU|XP\_031876550.1 CGLO|KAF3811492.1 CHIG|XP\_018160745.1 CVIN|KAF4926752.1 CVYL|A04696 FGRM|XP\_011317788.1 FGRM|XP\_011318188.1 MGRA|XP\_003853132.1 MORY|QBZ56694.1 NCRA|XP\_962670.2 SSCL|APA13728.1

>Orthogroup4368: ANID|CBF79190.1 BCIN|XP\_001558792.2 BGRA|VCU40153.1 CFRU|XP\_031876557.1 CGLO|KAF3811489.1 CHIG|XP\_018160742.1 CVIN|KAF4926756.1 FGRM|XP\_011317785.1 MGRA|XP\_003852392.1 MLAR|XP\_007415396.1 MORY|QBZ57153.1 NCRA|XP\_962658.1 SSCL|APA05492.1

>Orthogroup4369: ANID|CBF79222.1 BCIN|XP\_024552131.1 BGRA|VDB92705.1 CFRU|XP\_031893304.1 CHIG|XP\_018150897.1 CVIN|KAF4922477.1 CVYL|A08760 FGRM|XP\_011323773.1 MGRA|XP\_003853105.1 MLAR|XP\_007408319.1 MORY|QBZ56542.1 NCRA|XP\_962336.2 SSCL|APA12961.1

>Orthogroup4370: ANID|CBF79226.1 BCIN|XP\_024552185.1 CFRU|XP\_031885469.1 CGLO|KAF3806511.1 CHIG|XP\_018157548.1 CVIN|KAF4921349.1 CVYL|A09359 FGRM|XP\_011328084.1 MGRA|XP\_003852256.1 MLAR|XP\_007412246.1 MORY|QBZ64264.1 NCRA|XP\_957050.1 SSCL|APA13099.1

>Orthogroup4371: ANID|CBF79233.1 BCIN|XP\_024547749.1 BGRA|VDB94801.1 CFRU|XP\_031876214.1 CFRU|XP\_031876318.1 CFRU|XP\_031891031.1 CGLO|KAF3801601.1 CHIG|XP\_018151362.1 CVIN|KAF4922715.1 FGRM|XP\_011320358.1 MORY|QBZ59068.1 NCRA|XP\_960431.1 SSCL|APA08005.1

>Orthogroup4372: ANID|CBF79235.1 BCIN|XP\_001557861.1 BGRA|VDB89636.1 CFRU|XP\_031887631.1 CGLO|KAF3803230.1 CHIG|XP\_018161066.1 CVIN|KAF4928662.1 CVYL|A03661 FGRM|XP\_011324206.1 MGRA|XP\_003852248.1 MORY|QBZ64604.1 NCRA|XP\_962463.1 SSCL|APA12820.1

>Orthogroup4373: ANID|CBF79258.1 BCIN|XP\_024547643.1 BGRA|VDB86228.1 CFRU|XP\_031877218.1 CGLO|KAF3806441.1 CHIG|XP\_018162329.1 CVIN|KAF4918044.1 CVYL|A12038 FGRM|XP\_011323959.1 MGRA|XP\_003854346.1 MORY|QBZ61418.1 NCRA|XP\_963127.2 SSCL|APA07752.1

>Orthogroup4374: ANID|CBF79262.1 BCIN|XP\_024547644.1 BGRA|VDB86226.1 CFRU|XP\_031887061.1 CGLO|KAF3811301.1 CHIG|XP\_018160525.1 CVIN|KAF4927233.1 CVYL|A04479 FGRM|XP\_011326465.1 MGRA|XP\_003854348.1 MORY|QBZ57990.1 NCRA|XP\_958775.2 SSCL|APA07751.1

>Orthogroup4375: ANID|CBF79273.1 BCIN|XP\_001549917.2 BGRA|VDB95305.1 CFRU|XP\_031879176.1 CGLO|KAF3807076.1 CHIG|XP\_018159739.1 CVIN|KAF4919050.1 CVYL|A06370 FGRM|XP\_011320689.1 MGRA|XP\_003854652.1 MORY|QBZ63988.1 NCRA|XP\_960567.2 SSCL|APA06656.1

>Orthogroup4376: ANID|CBF79277.1 BCIN|XP\_024546472.1 BGRA|VDB95162.1 CFRU|XP\_031880813.1 CGLO|KAF3806997.1 CHIG|XP\_018159671.1 CVIN|KAF4918774.1 CVYL|A06292 FGRM|XP\_011320507.1 MGRA|XP\_003855528.1 MORY|QBZ61853.1 NCRA|XP\_960521.1 SSCL|APA06670.1

>Orthogroup4377: ANID|CBF79299.1 BCIN|XP\_001561084.1 BGRA|VDB95150.1 CFRU|XP\_031880799.1 CGLO|KAF3806916.1 CHIG|XP\_018159600.1 CVIN|KAF4890286.1 CVYL|A02559 FGRM|XP\_011320518.1 MGRA|XP\_003853638.1 MORY|QBZ61731.1 NCRA|XP\_011394958.1 SSCL|APA06672.1

>Orthogroup4378: ANID|CBF79315.1 BCIN|XP\_024546152.1 BGRA|VDB89899.1 CFRU|XP\_031879186.1 CGLO|KAF3807105.1 CHIG|XP\_018159757.1 CVIN|KAF4919035.1 CVYL|A06391 FGRM|XP\_011320687.1 MGRA|XP\_003855822.1 MORY|QBZ64013.1 NCRA|XP\_960544.1 SSCL|APA07135.1

>Orthogroup4379: ANID|CBF79336.1 BCIN|XP\_001553015.2 BGRA|VDB84413.1 CFRU|XP\_031891321.1 CGLO|KAF3797642.1 CHIG|XP\_018157434.1 CVIN|KAF4893855.1 CVYL|A10995 FGRM|XP\_011323036.1 MLAR|XP\_007403892.1 MORY|QBZ66374.1 NCRA|XP\_965489.1 SSCL|APA11237.1

>Orthogroup4380: ANID|CBF79338.1 BCIN|XP\_024550507.1 CFRU|XP\_031891325.1 CGLO|KAF3797643.1 CHIG|XP\_018157435.1 CVIN|KAF4893856.1 CVYL|A10984 FGRM|XP\_011323037.1 MGRA|XP\_003853924.1 MLAR|XP\_007408599.1 MORY|QBZ66373.1 NCRA|XP\_965490.3 SSCL|APA11236.1

>Orthogroup4381: ANID|CBF79340.1 BCIN|XP\_024550554.1 BGRA|VDB86008.1 CFRU|XP\_031892347.1 CGLO|KAF3797168.1 CHIG|XP\_018157337.1 CVIN|KAF4918857.1 CVYL|A10527 FGRM|XP\_011320055.1 MGRA|XP\_003854615.1 MORY|QBZ66133.1 NCRA|XP\_001728458.2 SSCL|APA11348.1

>Orthogroup4382: ANID|CBF79342.1 BCIN|XP\_001547449.1 BGRA|VCU38927.1 CFRU|XP\_031887684.1 CHIG|XP\_018160862.1 CVIN|KAF4914898.1 CVYL|A03451 FGRM|XP\_011324853.1 MGRA|XP\_003854966.1 MLAR|XP\_007411759.1 MORY|QBZ58874.1 NCRA|XP\_962242.1 SSCL|APA07365.1

>Orthogroup4383: ANID|CBF79353.1 BCIN|XP\_024548175.1 CFRU|XP\_031876377.1 CGLO|KAF3797795.1 CHIG|XP\_018156466.1 CVIN|KAF4923138.1 CVYL|A03021 FGRM|XP\_011318587.1 MGRA|XP\_003851656.1 MLAR|XP\_007418213.1 MORY|QBZ57788.1 NCRA|XP\_960042.1 SSCL|APA12427.1

>Orthogroup4384: ANID|CBF79354.1 BCIN|XP\_024548176.1 BGRA|VDB89603.1 CFRU|XP\_031876379.1 CHIG|XP\_018156465.1 CVIN|KAF4923150.1 CVYL|A03022 FGRM|XP\_011318586.1 MGRA|XP\_003851651.1 MLAR|XP\_007404628.1 MORY|QBZ57789.1 NCRA|XP\_960043.3 SSCL|APA12428.1

>Orthogroup4385: ANID|CBF79367.1 BCIN|XP\_001546193.2 CFRU|XP\_031887211.1 CGLO|KAF3809348.1 CHIG|XP\_018156200.1 CVIN|KAF4924203.1 CVYL|A01553 FGRM|XP\_011318798.1 MGRA|XP\_003851501.1 MLAR|XP\_007408707.1 MORY|QBZ59036.1 NCRA|XP\_960898.1 SSCL|APA11933.1

>Orthogroup4386: ANID|CBF79376.1 BCIN|XP\_001559568.1 CFRU|XP\_031886714.1 CGLO|KAF3798902.1 CHIG|XP\_018158574.1 CVIN|KAF4925599.1 CVYL|A05050 FGRM|XP\_011316646.1 MGRA|XP\_003848696.1 MLAR|XP\_007415351.1 MORY|QBZ60473.1 NCRA|XP\_965029.1 SSCL|APA09584.1

>Orthogroup4387: ANID|CBF79378.1 BCIN|XP\_024549412.1 BGRA|VDB91094.1 CFRU|XP\_031882817.1 CHIG|XP\_018164190.1 CVIN|KAF4923703.1 CVYL|A14242 FGRM|XP\_011317022.1 MGRA|XP\_003848611.1 MLAR|XP\_007411270.1 MORY|QBZ63794.1 NCRA|XP\_959167.1 SSCL|APA09083.1

>Orthogroup4388: ANID|CBF79398.1 BCIN|XP\_024550834.1 BGRA|VCU40908.1 CFRU|XP\_031887266.1 CGLO|KAF3809181.1 CHIG|XP\_018156004.1 CVIN|KAF4919841.1 CVYL|A01369 FGRM|XP\_011318815.1 MLAR|XP\_007406983.1 MORY|QBZ56666.1 NCRA|XP\_960966.1 SSCL|APA11751.1

>Orthogroup4389: ANID|CBF79402.1 BCIN|XP\_001548593.2 CFRU|XP\_031882364.1 CGLO|KAF3807586.1 CHIG|XP\_018156348.1 CVIN|KAF4928948.1 CVYL|A02895 FGRM|XP\_011318865.1 MGRA|XP\_003851634.1 MLAR|XP\_007404982.1 MORY|QBZ57402.1 NCRA|XP\_957583.1 SSCL|APA11748.1

>Orthogroup4390: ANID|CBF79404.1 BCIN|XP\_001551633.2 BGRA|VDB89172.1 CFRU|XP\_031892482.1 CGLO|KAF3809069.1 CHIG|XP\_018155906.1 CVIN|KAF4919731.1 CVYL|A01643 FGRM|XP\_011319165.1 MLAR|XP\_007418484.1 MORY|QBZ64506.1 NCRA|XP\_961619.1 SSCL|APA11573.1

>Orthogroup4391: ANID|CBF79406.1 BCIN|XP\_024550969.1 BGRA|VDB89168.1 CFRU|XP\_031892746.1 CGLO|KAF3809070.1 CHIG|XP\_018155907.1 CVIN|KAF4919732.1 CVYL|A01642 FGRM|XP\_011319164.1 MGRA|XP\_003851888.1 MORY|QBZ64507.1 NCRA|XP\_961618.3 SSCL|APA11577.1

>Orthogroup4392: ANID|CBF79412.1 BCIN|XP\_024550658.1 BGRA|VCU39896.1 CFRU|XP\_031887206.1 CGLO|KAF3809343.1 CHIG|XP\_018156195.1 CVIN|KAF4924169.1 CVYL|A01548 FGRM|XP\_011318897.1 MGRA|XP\_003851811.1 MORY|QBZ63100.1 NCRA|XP\_957382.1 SSCL|APA11480.1

>Orthogroup4393: ANID|CBF79454.1 BCIN|XP\_001550769.1 BGRA|VDB93600.1 CFRU|XP\_031886671.1 CGLO|KAF3804036.1 CHIG|XP\_018162731.1 CVIN|KAF4927594.1 CVYL|A06990 FGRM|XP\_011326387.1 MGRA|XP\_003854194.1 MORY|QBZ59544.1 NCRA|XP\_962919.1 SSCL|APA15274.1

>Orthogroup4394: ANID|CBF79485.1 BCIN|XP\_024552260.1 CFRU|XP\_031882597.1 CGLO|KAF3803925.1 CHIG|XP\_018151023.1 CVIN|KAF4925443.1 CVYL|A08877 FGRM|XP\_011327876.1 MGRA|XP\_003849637.1 MLAR|XP\_007415196.1 MORY|QBZ56219.1 NCRA|XP\_962638.2 SSCL|APA13107.1

>Orthogroup4395: ANID|CBF79491.1 BCIN|XP\_001552231.1 BGRA|VCU39216.1 CFRU|XP\_031887655.1 CGLO|KAF3803330.1 CHIG|XP\_018161157.1 CVIN|KAF4919274.1 CVYL|A03768 FGRM|XP\_011318406.1 MGRA|XP\_003849677.1 MORY|QBZ64574.1 NCRA|XP\_961893.1 SSCL|APA12917.1

>Orthogroup4396: ANID|CBF79492.1 BCIN|XP\_024552257.1 BGRA|VCU39287.1 CFRU|XP\_031887626.1 CHIG|XP\_018161088.1 CVIN|KAF4928680.1 CVYL|A03672 FGRM|XP\_011327880.1 MGRA|XP\_003849574.1 MLAR|XP\_007406187.1 MORY|QBZ56223.1 NCRA|XP\_962634.1 SSCL|APA13104.1

>Orthogroup4397: ANID|CBF79499.1 BCIN|XP\_001547690.1 BGRA|VCU38874.1 CFRU|XP\_031887653.1 CGLO|KAF3803326.1 CHIG|XP\_018161153.1 CVIN|KAF4919278.1 CVYL|A03764 FGRM|XP\_011318402.1 MGRA|XP\_003849503.1 MORY|QBZ64579.1 NCRA|XP\_961881.1 SSCL|APA13305.1

>Orthogroup4398: ANID|CBF79510.1 BCIN|XP\_001552239.1 CFRU|XP\_031887652.1 CGLO|KAF3803327.1 CHIG|XP\_018161154.1 CVIN|KAF4919275.1 CVYL|A03765 FGRM|XP\_011318403.1 MGRA|XP\_003849272.1 MLAR|XP\_007418873.1 MORY|QBZ64578.1 NCRA|XP\_961882.2 SSCL|APA12907.1

>Orthogroup4399: ANID|CBF79512.1 BCIN|XP\_024552207.1 BGRA|VCU39222.1 BGRA|VCU39223.1 CFRU|XP\_031887657.1 CHIG|XP\_018161155.1 CVIN|KAF4919276.1 CVYL|A03766 FGRM|XP\_011318404.1 MGRA|XP\_003849839.1 MORY|QBZ64577.1 NCRA|XP\_961884.1 SSCL|APA12906.1

>Orthogroup4400: ANID|CBF79520.1 BCIN|XP\_024552056.1 BGRA|VDB92813.1 CFRU|XP\_031890154.1 CGLO|KAF3798724.1 CHIG|XP\_018151268.1 CVIN|KAF4896757.1 CVYL|A09187 FGRM|XP\_011327924.1 MLAR|XP\_007409753.1 MORY|QBZ64554.1 NCRA|XP\_962296.3 SSCL|APA12801.1

>Orthogroup4401: ANID|CBF79536.1 BCIN|XP\_001546892.1 BGRA|VDB87866.1 CFRU|XP\_031883267.1 CGLO|KAF3801729.1 CHIG|XP\_018159244.1 CVIN|KAF4922909.1 CVYL|A12972 FGRM|XP\_011320394.1 MLAR|XP\_007405586.1 MORY|QBZ55775.1 NCRA|XP\_960420.3 SSCL|APA08573.1

>Orthogroup4402: ANID|CBF79538.1 BCIN|XP\_024552579.1 BGRA|VDB89746.1 CFRU|XP\_031885751.1 CGLO|KAF3810184.1 CHIG|XP\_018157803.1 CVIN|KAF4929121.1 CVYL|A02776 FGRM|XP\_011319920.1 MGRA|XP\_003856368.1 MORY|QBZ61280.1 NCRA|XP\_957544.2 SSCL|APA15629.1

>Orthogroup4403: ANID|CBF79540.1 BCIN|XP\_001557067.1 CFRU|XP\_031885593.1 CGLO|KAF3810207.1 CHIG|XP\_018157829.1 CVIN|KAF4929182.1 CVYL|A02803 FGRM|XP\_011328536.1 MGRA|XP\_003853057.1 MLAR|XP\_007405594.1 MORY|QBZ64938.1 NCRA|XP\_011395012.1 SSCL|APA08515.1

>Orthogroup4404: ANID|CBF79565.1 BCIN|XP\_001546894.1 BGRA|VDB87862.1 CFRU|XP\_031883400.1 CGLO|KAF3801736.1 CHIG|XP\_018159251.1 CVIN|KAF4922915.1 CVYL|A12966 FGRM|XP\_011320396.1 MLAR|XP\_007412623.1 MORY|QBZ55470.1 NCRA|XP\_960413.3 SSCL|APA08571.1

>Orthogroup4405: ANID|CBF79596.1 BCIN|XP\_024553455.1 CFRU|XP\_031879827.1 CGLO|KAF3803033.1 CHIG|XP\_018153579.1 CVIN|KAF4929937.1 CVYL|A00044 FGRM|XP\_011317100.1 MGRA|XP\_003856697.1 MLAR|XP\_007412937.1 MORY|QBZ62990.1 NCRA|XP\_958873.1 SSCL|APA13839.1

>Orthogroup4406: ANID|CBF79600.1 BCIN|XP\_024553147.1 CFRU|XP\_031879871.1 CGLO|KAF3803032.1 CHIG|XP\_018153578.1 CVYL|A00043 FGRM|XP\_011317099.1 MGRA|XP\_003847522.1 MGRA|XP\_003856563.1 MORY|QBZ62988.1 MORY|QBZ62989.1 NCRA|XP\_011393157.1 SSCL|APA13326.1

>Orthogroup4407: ANID|CBF79601.1 BCIN|XP\_001548498.2 BGRA|VDB93714.1 CFRU|XP\_031882768.1 CGLO|KAF3803448.1 CHIG|XP\_018163976.1 CVIN|KAF4926302.1 CVYL|A14376 FGRM|XP\_011316975.1 MGRA|XP\_003856942.1 MORY|QBZ55322.1 NCRA|XP\_965467.2 SSCL|APA13838.1

>Orthogroup4408: ANID|CBF79609.1 BCIN|XP\_001552618.1 BGRA|VDB89167.1 CFRU|XP\_031892552.1 CGLO|KAF3809116.1 CHIG|XP\_018155935.1 CVIN|KAF4922092.1 CVYL|A01300 FGRM|XP\_011319136.1 MGRA|XP\_003856490.1 MORY|QBZ54547.1 NCRA|XP\_011394711.1 SSCL|APA11460.1

>Orthogroup4409: ANID|CBF79617.1 BCIN|XP\_001553755.2 BGRA|VDB93906.1 CFRU|XP\_031888360.1 CGLO|KAF3803613.1 CGLO|KAF3803614.1 CHIG|XP\_018163848.1 CVIN|KAF4920362.1 CVYL|A14547 FGRM|XP\_011326550.1 MORY|QBZ55389.1 NCRA|XP\_963949.1 SSCL|APA06126.1

>Orthogroup4410: ANID|CBF79622.1 BCIN|XP\_001558889.1 BGRA|VCU40382.1 CFRU|XP\_031888258.1 CGLO|KAF3803489.1 CHIG|XP\_018164019.1 CVIN|KAF4926306.1 CVYL|A14418 FGRM|XP\_011316980.1 MGRA|XP\_003857036.1 MORY|QBZ55331.1 NCRA|XP\_965465.1 SSCL|APA05784.1

>Orthogroup4411: ANID|CBF79628.1 BCIN|XP\_001548487.1 BGRA|VDB93520.1 CFRU|XP\_031888322.1 CGLO|KAF3803576.1 CHIG|XP\_018163920.1 CVIN|KAF4922225.1 CVYL|A14510 FGRM|XP\_011316753.1 MGRA|XP\_003856593.1 MORY|QBZ56026.1 NCRA|XP\_963865.1 SSCL|APA13831.1

>Orthogroup4412: ANID|CBF79646.1 BCIN|XP\_001547962.1 BGRA|VDB93018.1 CFRU|XP\_031888509.1 CGLO|KAF3803534.1 CHIG|XP\_018164054.1 CVIN|KAF4922271.1 CVYL|A14465 FGRM|XP\_011316792.1 MGRA|XP\_003857335.1 MORY|QBZ62817.1 NCRA|XP\_958877.1 SSCL|APA13592.1

>Orthogroup4413: ANID|CBF79650.1 BCIN|XP\_001553767.2 BGRA|VDB93628.1 CFRU|XP\_031888703.1 CGLO|KAF3804286.1 CHIG|XP\_018160092.1 CVIN|KAF4920133.1 CVYL|A03969 FGRM|XP\_011324588.1 MGRA|XP\_003856941.1 MORY|QBZ57744.1 NCRA|XP\_961167.2 SSCL|APA06115.1

>Orthogroup4414: ANID|CBF79652.1 BCIN|XP\_001548796.1 BGRA|VDB93908.1 CFRU|XP\_031879803.1 CHIG|XP\_018153574.1 CVIN|KAF4929940.1 CVYL|A00040 FGRM|XP\_011317098.1 MGRA|XP\_003857343.1 MLAR|XP\_007414414.1 MORY|QBZ62986.1 NCRA|XP\_958871.1 SSCL|APA13333.1

>Orthogroup4415: ANID|CBF79665.1 BCIN|XP\_001548811.1 CFRU|XP\_031879867.1 CGLO|KAF3802969.1 CHIG|XP\_018153644.1 CVIN|KAF4929994.1 CVYL|A00401 FGRM|XP\_011316889.1 MGRA|XP\_003856559.1 MORY|QBZ63535.1 MORY|QBZ66571.1 NCRA|XP\_965369.1 SSCL|APA13340.1

>Orthogroup4416: ANID|CBF79667.1 BCIN|XP\_001548810.1 BGRA|VDB93643.1 CFRU|XP\_031879868.1 CHIG|XP\_018153643.1 CVIN|KAF4929912.1 CVYL|A00402 FGRM|XP\_011316890.1 MGRA|XP\_003857122.1 MLAR|XP\_007405726.1 MORY|QBZ63536.1 NCRA|XP\_965368.1 SSCL|APA13339.1

>Orthogroup4417: ANID|CBF79683.1 BCIN|XP\_024553261.1 BGRA|VDB93688.1 CFRU|XP\_031890680.1 CGLO|KAF3804834.1 CHIG|XP\_018164331.1 CVIN|KAF4929789.1 CVYL|A12239 FGRM|XP\_011324154.1 MGRA|XP\_003857172.1 MORY|QBZ62753.1 NCRA|XP\_965277.1 SSCL|APA13577.1

>Orthogroup4418: ANID|CBF79686.1 BCIN|XP\_001558901.2 BGRA|VDB93823.1 CFRU|XP\_031879825.1 CGLO|KAF3802967.1 CHIG|XP\_018153646.1 CVIN|KAF4929982.1 CVYL|A00399 FGRM|XP\_011316887.1 MGRA|XP\_003857099.1 MORY|QBZ63852.1 NCRA|XP\_965374.1 SSCL|APA05791.1

>Orthogroup4419: ANID|CBF79688.1 BCIN|XP\_024547021.1 CFRU|XP\_031888603.1 CGLO|KAF3803680.1 CHIG|XP\_018163784.1 CVIN|KAF4928508.1 CVYL|A14611 FGRM|XP\_011316018.1 MGRA|XP\_003856589.1 MLAR|XP\_007418203.1 MORY|QBZ62972.1 NCRA|XP\_011393158.1 SSCL|APA05897.1

>Orthogroup4420: ANID|CBF79690.1 BCIN|XP\_001553835.2 BGRA|VDB93657.1 CFRU|XP\_031888608.1 CGLO|KAF3803681.1 CHIG|XP\_018163785.1 CVIN|KAF4928515.1 CVYL|A14612 FGRM|XP\_011316019.1 MLAR|XP\_007417737.1 MORY|QBZ62971.1 NCRA|XP\_958874.3 SSCL|APA05896.1

>Orthogroup4421: ANID|CBF79728.1 BCIN|XP\_001548681.1 CFRU|XP\_031883273.1 CGLO|KAF3800500.1 CHIG|XP\_018152206.1 CVIN|KAF4919243.1 CVYL|A13212 FGRM|XP\_011321313.1 MGRA|XP\_003849456.1 MLAR|XP\_007407986.1 MORY|QBZ61096.1 NCRA|XP\_963645.1 SSCL|APA15609.1

>Orthogroup4422: ANID|CBF79730.1 BCIN|XP\_001555292.1 BGRA|VDB88136.1 CFRU|XP\_031879441.1 CGLO|KAF3802402.1 CHIG|XP\_018154702.1 CVIN|KAF4922177.1 CVYL|A13546 FGRM|XP\_011317278.1 MGRA|XP\_003849836.1 MORY|QBZ54013.1 NCRA|XP\_963434.1 SSCL|APA08640.1

>Orthogroup4423: ANID|CBF79737.1 BCIN|XP\_001545917.2 BGRA|VCU39279.1 CFRU|XP\_031878670.1 CGLO|KAF3797553.1 CHIG|XP\_018151111.1 CVIN|KAF4923550.1 CVYL|A08994 FGRM|XP\_011323498.1 MGRA|XP\_003849466.1 MLAR|XP\_007416118.1 NCRA|XP\_962570.3 SSCL|APA13102.1

>Orthogroup4424: ANID|CBF79772.1 BCIN|XP\_001547926.1 CFRU|XP\_031887345.1 CGLO|KAF3809402.1 CHIG|XP\_018156249.1 CVIN|KAF4916411.1 CVYL|A03052 FGRM|XP\_011318848.1 MGRA|XP\_003857422.1 MLAR|XP\_007416327.1 MORY|QBZ58954.1 NCRA|XP\_960915.2 SSCL|APA07501.1

>Orthogroup4425: ANID|CBF79828.1 BCIN|XP\_001552839.1 BGRA|VCU39692.1 CFRU|XP\_031889449.1 CGLO|KAF3808817.1 CHIG|XP\_018155720.1 CVIN|KAF4908032.1 CVYL|A01261 FGRM|XP\_011319148.1 MGRA|XP\_003857329.1 MORY|QBZ58727.1 NCRA|XP\_960699.3 SSCL|APA07615.1

>Orthogroup4426: ANID|CBF79830.1 BCIN|XP\_024549214.1 BGRA|VDB90552.1 CFRU|XP\_031888472.1 CGLO|KAF3803502.1 CHIG|XP\_018164031.1 CVIN|KAF4908043.1 CVYL|A14430 FGRM|XP\_011326512.1 MGRA|XP\_003848909.1 MORY|QBZ63183.1 NCRA|XP\_963973.1 SSCL|APA09011.1

>Orthogroup4427: ANID|CBF79847.1 BCIN|XP\_024547827.1 CFRU|XP\_031886938.1 CGLO|KAF3811466.1 CHIG|XP\_018160712.1 CVIN|KAF4895035.1 CVYL|A04670 FGRM|XP\_011327250.1 MGRA|XP\_003850161.1 MLAR|XP\_007407459.1 MORY|QBZ54250.1 NCRA|XP\_011394536.1 SSCL|APA08136.1

>Orthogroup4428: ANID|CBF79860.1 BCIN|XP\_001556216.1 BGRA|VDB90882.1 CFRU|XP\_031890355.1 CGLO|KAF3804944.1 CHIG|XP\_018164449.1 CVIN|KAF4919411.1 CVYL|A12109 FGRM|XP\_011316853.1 MLAR|XP\_007413789.1 MORY|QBZ54709.1 NCRA|XP\_964421.1 SSCL|APA08980.1

>Orthogroup4429: ANID|CBF79861.1 BCIN|XP\_024549231.1 BGRA|VDB90976.1 CFRU|XP\_031890495.1 CGLO|KAF3804945.1 CHIG|XP\_018164451.1 CVIN|KAF4919414.1 CVYL|A12108 FGRM|XP\_011316852.1 MGRA|XP\_003856422.1 MORY|QBZ54710.1 NCRA|XP\_964420.2 SSCL|APA08979.1

>Orthogroup4430: ANID|CBF79872.1 BCIN|XP\_001552804.2 BGRA|VCU41212.1 CFRU|XP\_031880271.1 CHIG|XP\_018155888.1 CVIN|KAF4923789.1 CVYL|A01630 FGRM|XP\_011318886.1 MGRA|XP\_003856670.1 MLAR|XP\_007413358.1 MORY|QBZ64619.1 NCRA|XP\_960909.1 SSCL|APA07593.1

>Orthogroup4431: ANID|CBF79874.1 BCIN|XP\_001556212.1 BGRA|VDB90551.1 CFRU|XP\_031888475.1 CGLO|KAF3803501.1 CHIG|XP\_018164032.1 CVIN|KAF4908046.1 CVYL|A14431 FGRM|XP\_011326511.1 MGRA|XP\_003857008.1 MORY|QBZ63196.1 NCRA|XP\_964060.1 SSCL|APA08961.1

>Orthogroup4432: ANID|CBF79877.1 BCIN|XP\_001559422.1 BGRA|VDB84375.1 CFRU|XP\_031887030.1 CGLO|KAF3811283.1 CHIG|XP\_018160507.1 CVIN|KAF4927220.1 CVYL|A04449 FGRM|XP\_011323622.1 MLAR|XP\_007411842.1 MORY|QBZ58009.1 NCRA|XP\_958053.1 SSCL|APA07669.1

>Orthogroup4433: ANID|CBF79885.1 BCIN|XP\_024552841.1 BGRA|VCU41330.1 CFRU|XP\_031882490.1 CGLO|KAF3807636.1 CHIG|XP\_018156292.1 CVIN|KAF4921409.1 CVYL|A03113 FGRM|XP\_011319031.1 MLAR|XP\_007418785.1 MORY|QBZ62481.1 NCRA|XP\_011394684.1 SSCL|APA07610.1

>Orthogroup4434: ANID|CBF79889.1 BCIN|XP\_001553106.1 BGRA|VCU39611.1 CFRU|XP\_031889468.1 CGLO|KAF3808833.1 CHIG|XP\_018155742.1 CVIN|KAF4909988.1 CVYL|A01248 FGRM|XP\_011319314.1 MGRA|XP\_003857443.1 MORY|QBZ53863.1 NCRA|XP\_961413.1 SSCL|APA16103.1

>Orthogroup4435: ANID|CBF79894.1 BCIN|XP\_024552989.1 BGRA|VCU41180.1 CFRU|XP\_031892557.1 CGLO|KAF3809142.1 CHIG|XP\_018155953.1 CVIN|KAF4922110.1 CVYL|A01327 FGRM|XP\_011318879.1 MGRA|XP\_003857708.1 MORY|QBZ62440.1 NCRA|XP\_959182.1 SSCL|APA16217.1

>Orthogroup4436: ANID|CBF79927.1 BCIN|XP\_001553463.2 CFRU|XP\_031887825.1 CFRU|XP\_031888010.1 CGLO|KAF3802317.1 CHIG|XP\_018154420.1 CVIN|KAF4889195.1 CVYL|A10862 FGRM|XP\_011319746.1 MGRA|XP\_003853973.1 MORY|QBZ65831.1 NCRA|XP\_011392892.1 SSCL|APA10894.1

>Orthogroup4437: ANID|CBF79941.1 BCIN|XP\_001560597.1 BGRA|VDB85833.1 CFRU|XP\_031887815.1 CGLO|KAF3802051.1 CHIG|XP\_018154180.1 CVIN|KAF4901931.1 CVYL|A03337 FGRM|XP\_011323001.1 MGRA|XP\_003854173.1 MORY|QBZ66404.1 NCRA|XP\_964796.3 SSCL|APA07908.1

>Orthogroup4438: ANID|CBF79945.1 BCIN|XP\_024549217.1 BGRA|VDB90555.1 CFRU|XP\_031888474.1 CHIG|XP\_018164033.1 CVIN|KAF4908045.1 CVYL|A14432 FGRM|XP\_011326510.1 MGRA|XP\_003854067.1 MLAR|XP\_007407679.1 MORY|QBZ63469.1 NCRA|XP\_958422.1 SSCL|APA09008.1

>Orthogroup4439: ANID|CBF79954.1 BCIN|XP\_024550231.1 BGRA|VDB86006.1 CFRU|XP\_031892592.1 CHIG|XP\_018157084.1 CVYL|A10591 FGRM|XP\_011315792.1 FGRM|XP\_011328851.1 MLAR|XP\_007407193.1 MORY|QBZ66249.1 NCRA|XP\_962830.2 NCRA|XP\_964709.3 SSCL|APA10903.1

>Orthogroup4440: ANID|CBF79972.1 BCIN|XP\_001548072.1 BGRA|VDB87602.1 CFRU|XP\_031886815.1 CGLO|KAF3801210.1 CHIG|XP\_018162487.1 CVIN|KAF4932041.1 CVYL|A07123 FGRM|XP\_011324114.1 MGRA|XP\_003850194.1 MORY|QBZ56498.1 NCRA|XP\_959031.1 SSCL|APA10534.1

>Orthogroup4441: ANID|CBF79973.1 BCIN|XP\_024547618.1 CFRU|XP\_031882309.1 CGLO|KAF3804413.1 CHIG|XP\_018160229.1 CVIN|KAF4930935.1 CVYL|A04113 FGRM|XP\_011328786.1 MGRA|XP\_003857258.1 MLAR|XP\_007406245.1 MORY|QBZ59151.1 NCRA|XP\_958835.1 SSCL|APA07784.1

>Orthogroup4442: ANID|CBF79994.1 BCIN|XP\_024550089.1 BGRA|VDB87820.1 CFRU|XP\_031893060.1 CGLO|KAF3809455.1 CHIG|XP\_018152715.1 CVIN|KAF4921266.1 CVYL|A10022 FGRM|XP\_011317922.1 MGRA|XP\_003850404.1 MORY|QBZ54100.1 NCRA|XP\_961577.1 SSCL|APA10731.1

>Orthogroup4443: ANID|CBF79996.1 BCIN|XP\_024548052.1 BCIN|XP\_024551968.1 BGRA|VCU41157.1 CFRU|XP\_031886913.1 CGLO|KAF3811270.1 CHIG|XP\_018160492.1 CVYL|A04465 FGRM|XP\_011326931.1 MGRA|XP\_003850385.1 MLAR|XP\_007404290.1 NCRA|XP\_961380.2 SSCL|APA08298.1

>Orthogroup4444: ANID|CBF80023.1 BCIN|XP\_001549994.2 BGRA|VCU39959.1 CFRU|XP\_031893212.1 CGLO|KAF3809498.1 CHIG|XP\_018152686.1 CVIN|KAF4921255.1 CVYL|A10061 FGRM|XP\_011317965.1 MGRA|XP\_003850027.1 MORY|QBZ55064.1 NCRA|XP\_961659.1 SSCL|APA10467.1

>Orthogroup4445: ANID|CBF80026.1 BCIN|XP\_024551275.1 CFRU|XP\_031893504.1 CGLO|KAF3808079.1 CHIG|XP\_018152781.1 CVIN|KAF4920642.1 CVYL|A08153 FGRM|XP\_011317953.1 MLAR|XP\_007417590.1 MLAR|XP\_007417591.1 MORY|QBZ54061.1 NCRA|XP\_957936.2 SSCL|APA10269.1

>Orthogroup4446: ANID|CBF80030.1 BCIN|XP\_024550212.1 BGRA|VDB86014.1 CFRU|XP\_031892654.1 CGLO|KAF3797164.1 CHIG|XP\_018157117.1 CVIN|KAF4918844.1 CVYL|A10533 FGRM|XP\_011315879.1 MGRA|XP\_003853874.1 MORY|QBZ65559.1 NCRA|XP\_011392779.1 SSCL|APA10893.1

>Orthogroup4447: ANID|CBF80032.1 BCIN|XP\_024545921.1 BGRA|VCU38923.1 CFRU|XP\_031887514.1 CGLO|KAF3811600.1 CHIG|XP\_018160872.1 CVYL|A03458 FGRM|XP\_011324856.1 MGRA|XP\_003854056.1 MLAR|XP\_007409536.1 MORY|QBZ58879.1 NCRA|XP\_011394186.1 SSCL|APA07345.1

>Orthogroup4448: ANID|CBF80039.1 BCIN|XP\_001545469.2 BGRA|VCU38859.1 CFRU|XP\_031887630.1 CGLO|KAF3803231.1 CHIG|XP\_018161078.1 CVIN|KAF4928671.1 CVYL|A03662 FGRM|XP\_011323831.1 MGRA|XP\_003853696.1 MORY|QBZ56327.1 NCRA|XP\_962503.3 SSCL|APA08897.1

>Orthogroup4449: ANID|CBF80042.1 BCIN|XP\_024550496.1 BGRA|VCU40433.1 CFRU|XP\_031887840.1 CGLO|KAF3802275.1 CHIG|XP\_018154359.1 CVIN|KAF4924439.1 CVYL|A10374 FGRM|XP\_011319805.1 MGRA|XP\_003854442.1 MORY|QBZ65750.1 NCRA|XP\_964238.1 SSCL|APA11214.1

>Orthogroup4450: ANID|CBF80050.1 BCIN|XP\_001553491.1 CFRU|XP\_031888058.1 CGLO|KAF3802323.1 CHIG|XP\_018154425.1 CVIN|KAF4918807.1 CVYL|A10918 FGRM|XP\_011319741.1 MGRA|XP\_003854006.1 MLAR|XP\_007409418.1 MORY|QBZ65828.1 NCRA|XP\_965515.1 SSCL|APA10874.1

>Orthogroup4451: ANID|CBF80052.1 BCIN|XP\_024550191.1 BGRA|VDB86031.1 CFRU|XP\_031888005.1 CGLO|KAF3802322.1 CHIG|XP\_018154424.1 CVIN|KAF4918810.1 CVYL|A10907 MGRA|XP\_003854227.1 MLAR|XP\_007405610.1 MORY|QBZ65839.1 NCRA|XP\_965514.1 SSCL|APA10875.1

>Orthogroup4452: ANID|CBF80078.1 BCIN|XP\_024548064.1 BCIN|XP\_024552031.1 CFRU|XP\_031884026.1 CGLO|KAF3805093.1 CHIG|XP\_018151522.1 CVYL|A06465 FGRM|XP\_011322487.1 FGRM|XP\_011322781.1 MGRA|XP\_003848803.1 MORY|QBZ59585.1 SSCL|APA12727.1 SSCL|APA12795.1

>Orthogroup4453: ANID|CBF80292.1 CFRU|XP\_031885880.1 CGLO|KAF3801153.1 CHIG|XP\_018155212.1 CVIN|KAF4904491.1 CVYL|A05692 MORY|QBZ55161.1 MORY|QBZ58384.1 MORY|QBZ60072.1 MORY|QBZ60081.1 MORY|QBZ66659.1 MORY|QBZ66732.1 MORY|QBZ66749.1

>Orthogroup4454: ANID|CBF80354.1 ANID|CBF85635.1 BCIN|XP\_001547121.1 BCIN|XP\_001551237.1 CFRU|XP\_031881584.1 CGLO|KAF3805415.1 CHIG|XP\_018156699.1 CVIN|KAF4917754.1 CVYL|A11061 FGRM|XP\_011322492.1 MORY|QBZ61644.1 NCRA|XP\_960273.1 SSCL|APA10754.1

>Orthogroup4455: ANID|CBF80567.1 BCIN|XP\_001552946.1 CFRU|XP\_031877207.1 CHIG|XP\_018162310.1 CVYL|A12019 FGRM|XP\_011315821.1 FGRM|XP\_011323963.1 FGRM|XP\_011326795.1 MGRA|XP\_003851803.1 MORY|QBZ55742.1 NCRA|XP\_011393399.1 NCRA|XP\_957836.1 SSCL|APA05421.1

>Orthogroup4456: ANID|CBF80648.1 BCIN|XP\_001550894.1 CFRU|XP\_031880185.1 CGLO|KAF3809041.1 CHIG|XP\_018155871.1 CVIN|KAF4923779.1 CVYL|A01615 FGRM|XP\_011319083.1 MGRA|XP\_003848241.1 MLAR|XP\_007408304.1 MORY|QBZ62457.1 NCRA|XP\_960961.1 SSCL|APA12400.1

>Orthogroup4457: ANID|CBF80654.1 BCIN|XP\_001547459.1 CFRU|XP\_031880530.1 CGLO|KAF3811585.1 CHIG|XP\_018160850.1 CVIN|KAF4914882.1 CVYL|A03438 FGRM|XP\_011325056.1 MGRA|XP\_003855743.1 MLAR|XP\_007409993.1 MORY|QBZ58862.1 NCRA|XP\_959001.2 SSCL|APA07358.1

>Orthogroup4458: ANID|CBF80711.1 ANID|CBF82791.1 BCIN|XP\_024546778.1 BCIN|XP\_024549609.1 CFRU|XP\_031888903.1 CGLO|KAF3799179.1 CHIG|XP\_018163489.1 CVYL|A10076 MLAR|XP\_007411269.1 MORY|QBZ59753.1 SSCL|APA09328.1 SSCL|APA16358.1 SSCL|APA16359.1

>Orthogroup4459: ANID|CBF80798.1 BCIN|XP\_001547315.2 BGRA|VCU39407.1 CFRU|XP\_031885831.1 CGLO|KAF3810175.1 CHIG|XP\_018157794.1 CVIN|KAF4929170.1 CVYL|A02767 FGRM|XP\_011320122.1 MGRA|XP\_003853063.1 MLAR|XP\_007403884.1 NCRA|XP\_957552.1 SSCL|APA15639.1

>Orthogroup4460: ANID|CBF80811.1 BCIN|XP\_001552003.1 BGRA|VDB85992.1 CFRU|XP\_031892410.1 CGLO|KAF3797113.1 CHIG|XP\_018157082.1 CVYL|A10593 FGRM|XP\_011315802.1 MGRA|XP\_003854003.1 MLAR|XP\_007406796.1 MORY|QBZ65399.1 NCRA|XP\_964088.1 SSCL|APA10996.1

>Orthogroup4461: ANID|CBF80855.1 BCIN|XP\_024553274.1 BGRA|VDB93945.1 CFRU|XP\_031883377.1 CGLO|KAF3800595.1 CHIG|XP\_018152083.1 CVIN|KAF4927109.1 CVYL|A13120 FGRM|XP\_011321294.1 MGRA|XP\_003855216.1 MORY|QBZ61047.1 NCRA|XP\_963443.2 SSCL|APA13563.1

>Orthogroup4462: ANID|CBF80856.1 BCIN|XP\_024550327.1 BGRA|VDB84150.1 CFRU|XP\_031891300.1 CGLO|KAF3797626.1 CHIG|XP\_018157418.1 CVIN|KAF4889241.1 CVYL|A11074 FGRM|XP\_011323022.1 MGRA|XP\_003855093.1 MORY|QBZ66346.1 NCRA|XP\_965493.3 SSCL|APA10998.1

>Orthogroup4463: ANID|CBF80877.1 BCIN|XP\_001558767.2 BCIN|XP\_024546796.1 CFRU|XP\_031878066.1 CGLO|KAF3799568.1 CHIG|XP\_018154564.1 CVIN|KAF4926517.1 CVYL|A13427 FGRM|XP\_011324888.1 MLAR|XP\_007410828.1 MORY|QBZ61074.1 NCRA|XP\_957182.1 SSCL|APA05611.1

>Orthogroup4464: ANID|CBF80910.1 BCIN|XP\_001547436.2 BGRA|VDB93828.1 CFRU|XP\_031883348.1 CGLO|KAF3800560.1 CHIG|XP\_018152117.1 CVIN|KAF4923784.1 CVYL|A13156 FGRM|XP\_011317240.1 MGRA|XP\_003855461.1 MORY|QBZ57296.1 NCRA|XP\_957164.2 SSCL|APA13517.1

>Orthogroup4465: ANID|CBF80918.1 BCIN|XP\_001558833.1 BGRA|VDB93798.1 CFRU|XP\_031883447.1 CHIG|XP\_018152096.1 CVIN|KAF4927111.1 CVYL|A13131 FGRM|XP\_011325668.1 MGRA|XP\_003855091.1 MLAR|XP\_007415107.1 MORY|QBZ62121.1 NCRA|XP\_956248.1 SSCL|APA05985.1

>Orthogroup4466: ANID|CBF80929.1 BCIN|XP\_024547684.1 CFRU|XP\_031877990.1 CGLO|KAF3799610.1 CHIG|XP\_018154605.1 CVIN|KAF4926446.1 CVYL|A13472 FGRM|XP\_011316553.1 MGRA|XP\_003849171.1 MLAR|XP\_007414346.1 MORY|QBZ54366.1 NCRA|XP\_963176.2 SSCL|APA07894.1

>Orthogroup4467: ANID|CBF80940.1 BCIN|XP\_001558613.1 BGRA|VDB93844.1 CFRU|XP\_031885950.1 CGLO|KAF3805435.1 CHIG|XP\_018155295.1 CVIN|KAF4930381.1 CVYL|A05565 FGRM|XP\_011325575.1 MGRA|XP\_003849141.1 MORY|QBZ54038.1 NCRA|XP\_956846.2 SSCL|APA05687.1

>Orthogroup4468: ANID|CBF80946.1 BCIN|XP\_001547434.1 BGRA|VDB93817.1 CFRU|XP\_031883248.1 CGLO|KAF3800546.1 CHIG|XP\_018152138.1 CVIN|KAF4923800.1 CVYL|A13170 FGRM|XP\_011317236.1 MGRA|XP\_003854854.1 MORY|QBZ57292.1 NCRA|XP\_957168.1 SSCL|APA13520.1

>Orthogroup4469: ANID|CBF80949.1 BCIN|XP\_024553365.1 BGRA|VDB93910.1 CFRU|XP\_031883333.1 CGLO|KAF3800572.1 CHIG|XP\_018152108.1 CVIN|KAF4927067.1 CVYL|A13143 FGRM|XP\_011317251.1 MGRA|XP\_003849078.1 MORY|QBZ60327.1 NCRA|XP\_011393491.1 SSCL|APA13690.1

>Orthogroup4470: ANID|CBF80962.1 BCIN|XP\_001560277.1 CFRU|XP\_031879628.1 CGLO|KAF3802680.1 CHIG|XP\_018159159.1 CVIN|KAF4920441.1 CVYL|A08081 FGRM|XP\_011327318.1 MLAR|XP\_007404852.1 MLAR|XP\_007418361.1 MORY|QBZ57800.1 NCRA|XP\_959623.1 SSCL|APA08845.1

>Orthogroup4471: ANID|CBF80970.1 BCIN|XP\_001558319.1 BGRA|VDB93738.1 CFRU|XP\_031882647.1 CGLO|KAF3799391.1 CHIG|XP\_018152246.1 CVIN|KAF4899305.1 CVYL|A13253 FGRM|XP\_011324622.1 MGRA|XP\_003855398.1 MORY|QBZ53996.1 NCRA|XP\_956492.2 SSCL|APA13699.1

>Orthogroup4472: ANID|CBF80973.1 BCIN|XP\_001549554.1 BGRA|VDB93904.1 CFRU|XP\_031886108.1 CGLO|KAF3805526.1 CHIG|XP\_018155373.1 CVIN|KAF4918289.1 CVYL|A05648 FGRM|XP\_011317456.1 MGRA|XP\_003855407.1 MORY|QBZ56162.1 NCRA|XP\_011393566.1 SSCL|APA13548.1

>Orthogroup4473: ANID|CBF80977.1 BCIN|XP\_024548348.1 BGRA|VDB93833.1 CFRU|XP\_031883245.1 CGLO|KAF3800562.1 CHIG|XP\_018152120.1 CVIN|KAF4923783.1 CVYL|A13153 FGRM|XP\_011317243.1 MLAR|XP\_007413034.1 MORY|QBZ60295.1 NCRA|XP\_957161.3 SSCL|APA12607.1

>Orthogroup4474: ANID|CBF80998.1 BCIN|XP\_024552113.1 BGRA|VDB92733.1 CFRU|XP\_031880700.1 CGLO|KAF3809965.1 CHIG|XP\_018161547.1 CVIN|KAF4914197.1 CVYL|A01658 FGRM|XP\_011321385.1 MGRA|XP\_003848827.1 MORY|QBZ65112.1 NCRA|XP\_958710.1 SSCL|APA12946.1

>Orthogroup4475: ANID|CBF81022.1 BCIN|XP\_001556414.2 BGRA|VCU41374.1 CFRU|XP\_031879571.1 CGLO|KAF3802706.1 CHIG|XP\_018151491.1 CVIN|KAF4889850.1 CVYL|A08032 FGRM|XP\_011327269.1 MGRA|XP\_003852121.1 MORY|QBZ56873.1 NCRA|XP\_011395218.1 SSCL|APA06838.1

>Orthogroup4476: ANID|CBF81035.1 BCIN|XP\_024548610.1 BGRA|VDB89531.1 CFRU|XP\_031878074.1 CGLO|KAF3799607.1 CHIG|XP\_018154601.1 CVIN|KAF4926501.1 CVYL|A13468 FGRM|XP\_011316548.1 MGRA|XP\_003847779.1 MORY|QBZ54300.1 NCRA|XP\_963364.2 SSCL|APA09821.1

>Orthogroup4477: ANID|CBF81061.1 BCIN|XP\_024545985.1 BGRA|VCU39828.1 CFRU|XP\_031889604.1 CGLO|KAF3810573.1 CHIG|XP\_018159026.1 CVIN|KAF4914223.1 CVYL|A13652 FGRM|XP\_011328354.1 MGRA|XP\_003852134.1 MORY|QBZ62607.1 NCRA|XP\_963852.1 SSCL|APA07430.1

>Orthogroup4478: ANID|CBF81070.1 BCIN|XP\_024548928.1 BGRA|VCU40037.1 CFRU|XP\_031886407.1 CGLO|KAF3806198.1 CHIG|XP\_018162186.1 CVIN|KAF4931519.1 CVYL|A11785 FGRM|XP\_011326334.1 MGRA|XP\_003850707.1 MORY|QBZ55511.1 NCRA|XP\_957754.3 SSCL|APA09537.1

>Orthogroup4479: ANID|CBF81074.1 BCIN|XP\_024549119.1 BGRA|VDB92581.1 CFRU|XP\_031889548.1 CGLO|KAF3810479.1 CHIG|XP\_018159135.1 CVIN|KAF4924632.1 CVYL|A14081 FGRM|XP\_011317190.1 MGRA|XP\_003856166.1 MORY|QBZ55487.1 NCRA|XP\_965633.2 SSCL|APA08849.1

>Orthogroup4480: ANID|CBF81079.1 BCIN|XP\_001560428.1 CFRU|XP\_031889550.1 CGLO|KAF3810477.1 CHIG|XP\_018159133.1 CVIN|KAF4924634.1 CVYL|A14079 FGRM|XP\_011317188.1 MGRA|XP\_003852997.1 MLAR|XP\_007409803.1 MORY|QBZ56384.1 NCRA|XP\_965341.2 SSCL|APA08760.1

>Orthogroup4481: ANID|CBF81085.1 BCIN|XP\_024546648.1 BGRA|VCU40822.1 CFRU|XP\_031889563.1 CGLO|KAF3810458.1 CHIG|XP\_018159171.1 CVIN|KAF4924607.1 CVYL|A14022 FGRM|XP\_011327290.1 MGRA|XP\_003856458.1 MORY|QBZ54523.1 NCRA|XP\_957999.2 SSCL|APA06800.1

>Orthogroup4482: ANID|CBF81089.1 BCIN|XP\_024546652.1 CFRU|XP\_031889788.1 CGLO|KAF3810451.1 CHIG|XP\_018151470.1 CVIN|KAF4924646.1 CVYL|A13934 FGRM|XP\_011327304.1 MGRA|XP\_003852853.1 MLAR|XP\_007406389.1 MORY|QBZ56885.1 NCRA|XP\_011395230.1 SSCL|APA06806.1

>Orthogroup4483: ANID|CBF81100.1 BCIN|XP\_024549087.1 BGRA|VDB92527.1 CFRU|XP\_031890200.1 CGLO|KAF3802922.1 CHIG|XP\_018158524.1 CVIN|KAF4925562.1 CVYL|A05093 FGRM|XP\_011316636.1 MGRA|XP\_003853324.1 MORY|QBZ63212.1 NCRA|XP\_965045.1 SSCL|APA15890.1

>Orthogroup4484: ANID|CBF81110.1 BCIN|XP\_024549078.1 BGRA|VDB92557.1 CFRU|XP\_031886737.1 CGLO|KAF3806776.1 CHIG|XP\_018158771.1 CVIN|KAF4905648.1 CVYL|A04990 FGRM|XP\_011316368.1 MGRA|XP\_003852064.1 MORY|QBZ60409.1 NCRA|XP\_964962.1 SSCL|APA15864.1

>Orthogroup4485: ANID|CBF81116.1 BCIN|XP\_001560986.1 BGRA|VDB92860.1 CFRU|XP\_031889531.1 CGLO|KAF3805869.1 CHIG|XP\_018158874.1 CVIN|KAF4907182.1 CVYL|A13844 FGRM|XP\_011328615.1 MLAR|XP\_007405998.1 MORY|QBZ60509.1 NCRA|XP\_965717.1 SSCL|APA06698.1

>Orthogroup4486: ANID|CBF81129.1 BCIN|XP\_001553565.1 BGRA|VCU40697.1 CFRU|XP\_031886733.1 CGLO|KAF3806778.1 CHIG|XP\_018158769.1 CVIN|KAF4905657.1 CVYL|A04992 FGRM|XP\_011316366.1 MGRA|XP\_003856307.1 MORY|QBZ60422.1 NCRA|XP\_965311.1 SSCL|APA06819.1

>Orthogroup4487: ANID|CBF81140.1 BCIN|XP\_001552004.2 BGRA|VDB85993.1 CFRU|XP\_031875999.1 CGLO|KAF3797302.1 CHIG|XP\_018157205.1 CVIN|KAF4899565.1 CVYL|A10392 FGRM|XP\_011315898.1 MGRA|XP\_003854060.1 MORY|QBZ65561.1 NCRA|XP\_963685.1 SSCL|APA10997.1

>Orthogroup4488: ANID|CBF81174.1 BCIN|XP\_024549479.1 BGRA|VCU40014.1 CFRU|XP\_031887133.1 CGLO|KAF3811368.1 CHIG|XP\_018160604.1 CVIN|KAF4921036.1 CVYL|A04558 FGRM|XP\_011327217.1 MLAR|XP\_007408648.1 MORY|QBZ56899.1 NCRA|XP\_961572.3 SSCL|APA09164.1

>Orthogroup4489: ANID|CBF81179.1 BCIN|XP\_001553547.1 CFRU|XP\_031888351.1 CGLO|KAF3803740.1 CHIG|XP\_018153173.1 CVIN|KAF4890055.1 CVYL|A14122 FGRM|XP\_011316245.1 MGRA|XP\_003850614.1 MLAR|XP\_007419073.1 MORY|QBZ59756.1 NCRA|XP\_965087.1 SSCL|APA06489.1

>Orthogroup4490: ANID|CBF81181.1 BCIN|XP\_024546579.1 BGRA|VDB92491.1 CFRU|XP\_031888585.1 CGLO|KAF3803741.1 CHIG|XP\_018153172.1 CVIN|KAF4890056.1 CVYL|A14123 FGRM|XP\_011316244.1 MGRA|XP\_003851198.1 MORY|QBZ59745.1 NCRA|XP\_965086.1 SSCL|APA06488.1

>Orthogroup4491: ANID|CBF81191.1 BCIN|XP\_024546361.1 BGRA|VDB90815.1 CFRU|XP\_031888496.1 CHIG|XP\_018163727.1 CVIN|KAF4928523.1 CVYL|A14654 FGRM|XP\_011316830.1 MGRA|XP\_003850725.1 MLAR|XP\_007408905.1 MORY|QBZ54582.1 NCRA|XP\_965655.1 SSCL|APA06866.1

>Orthogroup4492: ANID|CBF81219.1 BCIN|XP\_001561313.1 BGRA|VDB90775.1 CFRU|XP\_031882878.1 CGLO|KAF3803358.1 CHIG|XP\_018164108.1 CVIN|KAF4915986.1 CVYL|A14285 FGRM|XP\_011326815.1 MGRA|XP\_003850773.1 MORY|QBZ56466.1 NCRA|XP\_964076.3 SSCL|APA06849.1

>Orthogroup4493: ANID|CBF81222.1 BCIN|XP\_001553569.2 BGRA|VDB90928.1 CFRU|XP\_031884126.1 CGLO|KAF3799984.1 CHIG|XP\_018152996.1 CVIN|KAF4926878.1 CVYL|A10200 FGRM|XP\_011324318.1 MGRA|XP\_003850746.1 MORY|QBZ64132.1 NCRA|XP\_964926.1 SSCL|APA06418.1

>Orthogroup4494: ANID|CBF81236.1 BCIN|XP\_001561115.1 BGRA|VDB90576.1 CFRU|XP\_031888347.1 CGLO|KAF3803743.1 CHIG|XP\_018153170.1 CVIN|KAF4912473.1 FGRM|XP\_011327120.1 MGRA|XP\_003851120.1 MLAR|XP\_007418881.1 MORY|QBZ59744.1 NCRA|XP\_965084.3 SSCL|APA07131.1

>Orthogroup4495: ANID|CBF81261.1 BCIN|XP\_024548182.1 BGRA|VDB93084.1 CFRU|XP\_031890933.1 CGLO|KAF3811740.1 CHIG|XP\_018151804.1 CVIN|KAF4922989.1 CVYL|A12755 FGRM|XP\_011319506.1 MGRA|XP\_003847957.1 MORY|QBZ61920.1 NCRA|XP\_959653.1 SSCL|APA12432.1

>Orthogroup4496: ANID|CBF81281.1 BCIN|XP\_024548181.1 BGRA|VDB94481.1 CFRU|XP\_031890729.1 CGLO|KAF3801555.1 CHIG|XP\_018151982.1 CVIN|KAF4921114.1 CVYL|A12578 FGRM|XP\_011319488.1 MGRA|XP\_003848147.1 MORY|QBZ61884.1 NCRA|XP\_959448.1 SSCL|APA12431.1

>Orthogroup4497: ANID|CBF81287.1 BCIN|XP\_001561263.1 BGRA|VDB90540.1 CFRU|XP\_031882853.1 CGLO|KAF3803444.1 CHIG|XP\_018163972.1 CVIN|KAF4926334.1 FGRM|XP\_011316971.1 MGRA|XP\_003851169.1 MLAR|XP\_007414849.1 MORY|QBZ63006.1 NCRA|XP\_958860.2 SSCL|APA07202.1

>Orthogroup4498: ANID|CBF81294.1 BCIN|XP\_001553573.1 CFRU|XP\_031890593.1 CGLO|KAF3804820.1 CHIG|XP\_018164320.1 CVIN|KAF4929778.1 CVYL|A12254 FGRM|XP\_011317045.1 MGRA|XP\_003850768.1 MLAR|XP\_007406821.1 MORY|QBZ63553.1 NCRA|XP\_964482.3 SSCL|APA06416.1

>Orthogroup4499: ANID|CBF81298.1 BCIN|XP\_001557237.1 BGRA|VDB93226.1 CFRU|XP\_031885355.1 CGLO|KAF3799506.1 CHIG|XP\_018154492.1 CVIN|KAF4931869.1 CVYL|A13367 FGRM|XP\_011321205.1 MGRA|XP\_003848139.1 MORY|QBZ57278.1 NCRA|XP\_956762.2 SSCL|APA12516.1

>Orthogroup4500: ANID|CBF81307.1 BCIN|XP\_024548211.1 BGRA|VDB93082.1 CFRU|XP\_031883544.1 CGLO|KAF3800185.1 CHIG|XP\_018155101.1 CVIN|KAF4897011.1 CVYL|A06103 FGRM|XP\_011317477.1 MGRA|XP\_003848227.1 MORY|QBZ64824.1 NCRA|XP\_956453.1 SSCL|APA12463.1

>Orthogroup4501: ANID|CBF81309.1 BCIN|XP\_001557313.1 BGRA|VDB93083.1 CFRU|XP\_031883590.1 CGLO|KAF3800184.1 CHIG|XP\_018155100.1 CVYL|A06104 FGRM|XP\_011317483.1 MGRA|XP\_003848167.1 MLAR|XP\_007418817.1 MORY|QBZ64848.1 NCRA|XP\_956454.1 SSCL|APA12462.1

>Orthogroup4502: ANID|CBF81314.1 BCIN|XP\_024548272.1 BGRA|VCU41383.1 CFRU|XP\_031886185.1 CHIG|XP\_018155235.1 CVIN|KAF4930386.1 CVYL|A05717 FGRM|XP\_011317467.1 MGRA|XP\_003848122.1 MLAR|XP\_007417368.1 MORY|QBZ60912.1 NCRA|XP\_011393576.1 SSCL|APA12503.1

>Orthogroup4503: ANID|CBF81318.1 BCIN|XP\_001559167.1 BGRA|VCU39049.1 CFRU|XP\_031890015.1 CGLO|KAF3798255.1 CHIG|XP\_018151330.1 CVIN|KAF4916927.1 CVYL|A09238 FGRM|XP\_011324218.1 MGRA|XP\_003848194.1 MORY|QBZ56268.1 NCRA|XP\_962624.2 SSCL|APA15773.1

>Orthogroup4504: ANID|CBF81339.1 BCIN|XP\_024548367.1 BGRA|VDB93230.1 CFRU|XP\_031889205.1 CHIG|XP\_018155694.1 CVIN|KAF4906824.1 CVYL|A00875 FGRM|XP\_011319337.1 MGRA|XP\_003848121.1 MLAR|XP\_007405849.1 MORY|QBZ58936.1 NCRA|XP\_960684.1 SSCL|APA12347.1

>Orthogroup4505: ANID|CBF81356.1 BCIN|XP\_024547405.1 BGRA|VCU39342.1 CFRU|XP\_031882005.1 CGLO|KAF3806139.1 CHIG|XP\_018164522.1 CVYL|A07368 FGRM|XP\_011325007.1 MGRA|XP\_003848521.1 MLAR|XP\_007415885.1 MORY|QBZ62362.1 NCRA|XP\_959967.1 SSCL|APA14415.1

>Orthogroup4506: ANID|CBF81358.1 BCIN|XP\_001545243.2 BGRA|VDB88918.1 CFRU|XP\_031876278.1 CGLO|KAF3805995.1 CHIG|XP\_018164657.1 CVIN|KAF4925744.1 CVYL|A07519 FGRM|XP\_011326731.1 MGRA|XP\_003848391.1 MORY|QBZ64896.1 NCRA|XP\_959987.2 SSCL|APA14135.1

>Orthogroup4507: ANID|CBF81370.1 BCIN|XP\_024547324.1 BGRA|VDB88920.1 CFRU|XP\_031891841.1 CGLO|KAF3800154.1 CHIG|XP\_018165085.1 CVIN|KAF4925837.1 CVYL|A06848 FGRM|XP\_011327697.1 MGRA|XP\_003851593.1 MORY|QBZ60653.1 NCRA|XP\_011394934.1 SSCL|APA14287.1

>Orthogroup4508: ANID|CBF81393.1 BCIN|XP\_024546480.1 CFRU|XP\_031878164.1 CGLO|KAF3801829.1 CHIG|XP\_018159323.1 CVIN|KAF4895037.1 CVYL|A12878 FGRM|XP\_011320456.1 MGRA|XP\_003853918.1 MLAR|XP\_007414887.1 MORY|QBZ62916.1 NCRA|XP\_960477.1 SSCL|APA06765.1

>Orthogroup4509: ANID|CBF81395.1 BCIN|XP\_001561075.1 BGRA|VDB95176.1 CFRU|XP\_031879148.1 CGLO|KAF3807059.1 CHIG|XP\_018159719.1 CVIN|KAF4920272.1 CVYL|A06353 FGRM|XP\_011320426.1 MLAR|XP\_007415482.1 MORY|QBZ61846.1 NCRA|XP\_011394961.1 SSCL|APA06767.1

>Orthogroup4510: ANID|CBF81412.1 BCIN|XP\_024546102.1 BGRA|VDB92942.1 CFRU|XP\_031882901.1 CGLO|KAF3812079.1 CHIG|XP\_018164085.1 CVIN|KAF4923670.1 CVYL|A14257 FGRM|XP\_011326759.1 MGRA|XP\_003850757.1 MLAR|XP\_007406597.1 NCRA|XP\_964204.1 SSCL|APA06621.1

>Orthogroup4511: ANID|CBF81416.1 BCIN|XP\_024548586.1 BGRA|VDB89259.1 CFRU|XP\_031887102.1 CGLO|KAF3811207.1 CHIG|XP\_018160441.1 CVIN|KAF4931202.1 CVYL|A04373 FGRM|XP\_011326474.1 MGRA|XP\_003851231.1 MORY|QBZ53851.1 NCRA|XP\_961112.2 SSCL|APA10024.1

>Orthogroup4512: ANID|CBF81418.1 BCIN|XP\_024548585.1 BGRA|VDB89257.1 CFRU|XP\_031887103.1 CHIG|XP\_018160440.1 CVIN|KAF4931203.1 CVYL|A04374 FGRM|XP\_011326473.1 MGRA|XP\_003850637.1 MLAR|XP\_007410809.1 MORY|QBZ53852.1 NCRA|XP\_011394585.1 SSCL|APA10023.1

>Orthogroup4513: ANID|CBF81421.1 BCIN|XP\_024549473.1 BGRA|VCU39576.1 CFRU|XP\_031886969.1 CGLO|KAF3811378.1 CHIG|XP\_018160613.1 CVIN|KAF4921016.1 CVYL|A04570 FGRM|XP\_011327205.1 MLAR|XP\_007409691.1 MORY|QBZ59041.1 NCRA|XP\_958756.1 SSCL|APA09180.1

>Orthogroup4514: ANID|CBF81431.1 BCIN|XP\_024547232.1 BGRA|VDB93060.1 CFRU|XP\_031882059.1 CGLO|KAF3797862.1 CHIG|XP\_018164492.1 CVIN|KAF4911587.1 CVYL|A07340 FGRM|XP\_011325035.1 MORY|QBZ60570.1 NCRA|XP\_011395176.1 SSCL|APA14172.1 SSCL|APA14173.1

>Orthogroup4515: ANID|CBF81439.1 BCIN|XP\_001547601.1 BGRA|VDB88916.1 CFRU|XP\_031892228.1 CHIG|XP\_018165091.1 CVIN|KAF4925836.1 CVYL|A06854 FGRM|XP\_011327704.1 MGRA|XP\_003848592.1 MLAR|XP\_007414422.1 MORY|QBZ60660.1 NCRA|XP\_956066.1 SSCL|APA14347.1

>Orthogroup4516: ANID|CBF81453.1 BCIN|XP\_001550562.1 CFRU|XP\_031882066.1 CGLO|KAF3797864.1 CHIG|XP\_018164490.1 CVIN|KAF4911586.1 CVYL|A07338 FGRM|XP\_011325034.1 MGRA|XP\_003848736.1 MLAR|XP\_007409623.1 MORY|QBZ60572.1 NCRA|XP\_011394372.1 SSCL|APA14175.1

>Orthogroup4517: ANID|CBF81462.1 BCIN|XP\_024550817.1 CFRU|XP\_031880195.1 CGLO|KAF3809029.1 CHIG|XP\_018155866.1 CVIN|KAF4923766.1 CVYL|A01610 FGRM|XP\_011321021.1 MGRA|XP\_003855915.1 MLAR|XP\_007412025.1 MORY|QBZ59031.1 NCRA|XP\_961286.1 SSCL|APA11824.1

>Orthogroup4518: ANID|CBF81483.1 BCIN|XP\_024548435.1 BGRA|VDB88787.1 CFRU|XP\_031877961.1 CGLO|KAF3810905.1 CHIG|XP\_018154938.1 CVIN|KAF4916363.1 CVYL|A02240 FGRM|XP\_011324627.1 MGRA|XP\_003857267.1 MORY|QBZ53817.1 NCRA|XP\_963217.2 SSCL|APA12261.1

>Orthogroup4519: ANID|CBF81497.1 BCIN|XP\_024547781.1 BGRA|VDB90378.1 CFRU|XP\_031883292.1 CGLO|KAF3801694.1 CHIG|XP\_018159217.1 CVIN|KAF4915646.1 FGRM|XP\_011320284.1 MGRA|XP\_003853971.1 MLAR|XP\_007406682.1 MORY|QBZ55464.1 NCRA|XP\_960230.2 SSCL|APA08041.1

>Orthogroup4520: ANID|CBF81499.1 BCIN|XP\_024547782.1 BGRA|VDB90377.1 CFRU|XP\_031883352.1 CGLO|KAF3801695.1 CHIG|XP\_018159216.1 CVIN|KAF4915652.1 CVYL|A13003 FGRM|XP\_011320283.1 MGRA|XP\_003854307.1 MORY|QBZ55465.1 NCRA|XP\_960231.3 SSCL|APA08042.1

>Orthogroup4521: ANID|CBF81510.1 BCIN|XP\_001547840.1 BGRA|VCU40953.1 CFRU|XP\_031892638.1 CGLO|KAF3809145.1 CHIG|XP\_018155940.1 CVIN|KAF4922109.1 CVYL|A01330 FGRM|XP\_011318802.1 MGRA|XP\_003855965.1 MLAR|XP\_007410896.1 NCRA|XP\_960854.1 SSCL|APA11550.1

>Orthogroup4522: ANID|CBF81514.1 BCIN|XP\_001559801.1 BGRA|VDB93635.1 CFRU|XP\_031890928.1 CGLO|KAF3811748.1 CHIG|XP\_018151792.1 CVIN|KAF4923013.1 CVYL|A12763 FGRM|XP\_011319493.1 MGRA|XP\_003854527.1 MORY|QBZ61941.1 NCRA|XP\_955981.1 SSCL|APA09679.1

>Orthogroup4523: ANID|CBF81527.1 BCIN|XP\_001546165.1 CFRU|XP\_031885462.1 CGLO|KAF3799538.1 CHIG|XP\_018154528.1 CVIN|KAF4931821.1 CVYL|A13398 FGRM|XP\_011324914.1 MGRA|XP\_003856636.1 MLAR|XP\_007403858.1 MORY|QBZ62084.1 NCRA|XP\_963518.1 SSCL|APA16276.1

>Orthogroup4524: ANID|CBF81531.1 BCIN|XP\_024553901.1 CFRU|XP\_031885773.1 CGLO|KAF3810059.1 CHIG|XP\_018157773.1 CVIN|KAF4898731.1 CVYL|A02652 FGRM|XP\_011322211.1 MGRA|XP\_003852978.1 MLAR|XP\_007412268.1 MORY|QBZ65372.1 NCRA|XP\_961716.2 SSCL|APA15189.1

>Orthogroup4525: ANID|CBF81536.1 BCIN|XP\_024553102.1 BGRA|VCU39732.1 CFRU|XP\_031885363.1 CGLO|KAF3799508.1 CHIG|XP\_018154495.1 CVIN|KAF4931874.1 CVYL|A13369 FGRM|XP\_011324937.1 MGRA|XP\_003856430.1 MORY|QBZ62089.1 NCRA|XP\_963529.3 SSCL|APA16313.1

>Orthogroup4526: ANID|CBF81541.1 BCIN|XP\_001551313.1 BGRA|VCU41215.1 CFRU|XP\_031891130.1 CGLO|KAF3801497.1 CHIG|XP\_018151927.1 CVIN|KAF4916397.1 CVYL|A12631 FGRM|XP\_011321219.1 MGRA|XP\_003850734.1 MORY|QBZ63149.1 NCRA|XP\_963567.1 SSCL|APA07587.1

>Orthogroup4527: ANID|CBF81549.1 BCIN|XP\_024553103.1 BGRA|VCU39721.1 CFRU|XP\_031883569.1 CGLO|KAF3811904.1 CHIG|XP\_018155153.1 CVIN|KAF4911846.1 CVYL|A06162 FGRM|XP\_011317373.1 MGRA|XP\_003856586.1 MORY|QBZ60948.1 NCRA|XP\_956459.2 SSCL|APA16317.1

>Orthogroup4528: ANID|CBF81564.1 BCIN|XP\_001555433.2 BGRA|VDB90381.1 CFRU|XP\_031878338.1 CGLO|KAF3798082.1 CHIG|XP\_018158152.1 CVIN|KAF4927966.1 CVYL|A08277 FGRM|XP\_011325082.1 MGRA|XP\_003854523.1 MORY|QBZ62628.1 NCRA|XP\_958572.3 SSCL|APA08160.1

>Orthogroup4529: ANID|CBF81567.1 BCIN|XP\_024547845.1 BGRA|VDB90380.1 CFRU|XP\_031878337.1 CGLO|KAF3798087.1 CHIG|XP\_018158149.1 CVIN|KAF4927965.1 CVYL|A08274 FGRM|XP\_011325081.1 MGRA|XP\_003854485.1 MORY|QBZ64362.1 NCRA|XP\_011394975.1 SSCL|APA08159.1

>Orthogroup4530: ANID|CBF81574.1 BCIN|XP\_001552341.1 BGRA|VDB92989.1 CFRU|XP\_031890760.1 CGLO|KAF3801675.1 CHIG|XP\_018151453.1 CVIN|KAF4897551.1 CVYL|A12462 FGRM|XP\_011328486.1 MLAR|XP\_007414594.1 MORY|QBZ55776.1 NCRA|XP\_960423.1 SSCL|APA11173.1

>Orthogroup4531: ANID|CBF81583.1 BCIN|XP\_024550587.1 BGRA|VDB94699.1 CFRU|XP\_031891015.1 CGLO|KAF3801644.1 CHIG|XP\_018151411.1 CVIN|KAF4921213.1 CVYL|A12492 FGRM|XP\_011328182.1 MGRA|XP\_003853899.1 MLAR|XP\_007414577.1 NCRA|XP\_956083.1 SSCL|APA11389.1

>Orthogroup4532: ANID|CBF81586.1 BCIN|XP\_001559853.1 BGRA|VDB89569.1 CFRU|XP\_031885394.1 CGLO|KAF3799436.1 CHIG|XP\_018152313.1 CVIN|KAF4931804.1 CVYL|A13298 FGRM|XP\_011315946.1 MLAR|XP\_007410823.1 MORY|QBZ64799.1 NCRA|XP\_956051.1 SSCL|APA09714.1

>Orthogroup4533: ANID|CBF81603.1 BCIN|XP\_024548891.1 BGRA|VDB89520.1 CFRU|XP\_031882556.1 CGLO|KAF3800478.1 CHIG|XP\_018152271.1 CVIN|KAF4906662.1 CVYL|A13233 FGRM|XP\_011323673.1 MLAR|XP\_007411483.1 MORY|QBZ64810.1 NCRA|XP\_955837.2 SSCL|APA09399.1

>Orthogroup4534: ANID|CBF81627.1 BCIN|XP\_001552061.1 BGRA|VDB89353.1 CFRU|XP\_031880146.1 CGLO|KAF3797745.1 CHIG|XP\_018151703.1 CVYL|A11408 FGRM|XP\_011319523.1 MGRA|XP\_003853736.1 MLAR|XP\_007414581.1 MORY|QBZ61245.1 NCRA|XP\_960098.1 SSCL|APA09995.1

>Orthogroup4535: ANID|CBF81640.1 BCIN|XP\_024548611.1 BGRA|VDB89364.1 CFRU|XP\_031891133.1 CGLO|KAF3801500.1 CHIG|XP\_018151930.1 CVIN|KAF4916393.1 CVYL|A12634 FGRM|XP\_011321179.1 MGRA|XP\_003853703.1 MORY|QBZ55801.1 NCRA|XP\_963180.1 SSCL|APA09822.1

>Orthogroup4536: ANID|CBF81641.1 BCIN|XP\_001559882.1 BGRA|VDB89315.1 CFRU|XP\_031890734.1 CGLO|KAF3801538.1 CHIG|XP\_018151959.1 CVIN|KAF4921108.1 CVYL|A12598 FGRM|XP\_011325656.1 MGRA|XP\_003854515.1 MORY|QBZ55817.1 NCRA|XP\_963295.2 SSCL|APA09732.1

>Orthogroup4537: ANID|CBF81647.1 BCIN|XP\_001549029.1 BGRA|VDB89580.1 CFRU|XP\_031883320.1 CGLO|KAF3800613.1 CHIG|XP\_018152066.1 CVIN|KAF4918176.1 CVYL|A13104 FGRM|XP\_011321307.1 MGRA|XP\_003854092.1 MORY|QBZ61038.1 NCRA|XP\_963246.1 SSCL|APA09840.1

>Orthogroup4538: ANID|CBF81652.1 BCIN|XP\_001557996.1 CFRU|XP\_031883825.1 CGLO|KAF3805133.1 CHIG|XP\_018163381.1 CVIN|KAF4927463.1 CVYL|A06423 FGRM|XP\_011319327.1 MGRA|XP\_003849379.1 MLAR|XP\_007412809.1 MORY|QBZ62279.1 NCRA|XP\_959751.3 SSCL|APA12700.1

>Orthogroup4539: ANID|CBF81717.1 BCIN|XP\_001558480.2 BGRA|VDB89904.1 CFRU|XP\_031884071.1 CGLO|KAF3805144.1 CHIG|XP\_018163369.1 CVIN|KAF4927410.1 CVYL|A06412 FGRM|XP\_011321615.1 MGRA|XP\_003856209.1 MORY|QBZ63279.1 NCRA|XP\_956918.1 SSCL|APA14715.1

>Orthogroup4540: ANID|CBF81728.1 BCIN|XP\_001558397.1 BGRA|VDB95077.1 CFRU|XP\_031883921.1 CGLO|KAF3797448.1 CHIG|XP\_018163557.1 CVIN|KAF4920652.1 CVYL|A09882 FGRM|XP\_011316959.1 MLAR|XP\_007405617.1 MORY|QBZ54886.1 NCRA|XP\_011394231.1 SSCL|APA06294.1

>Orthogroup4541: ANID|CBF81750.1 BCIN|XP\_001555449.1 CFRU|XP\_031883287.1 CGLO|KAF3801692.1 CHIG|XP\_018159219.1 CVIN|KAF4915653.1 CVYL|A13005 FGRM|XP\_011320286.1 MGRA|XP\_003854470.1 MLAR|XP\_007418272.1 MORY|QBZ55462.1 NCRA|XP\_960228.2 SSCL|APA08168.1

>Orthogroup4542: ANID|CBF81755.1 BCIN|XP\_024550586.1 BGRA|VDB94706.1 CFRU|XP\_031875673.1 CGLO|KAF3797656.1 CHIG|XP\_018155430.1 CVIN|KAF4919380.1 CVYL|A01114 FGRM|XP\_011318132.1 MGRA|XP\_003854479.1 MORY|QBZ57694.1 NCRA|XP\_958783.2 SSCL|APA11387.1

>Orthogroup4543: ANID|CBF81763.1 BCIN|XP\_024550581.1 CFRU|XP\_031889494.1 CGLO|KAF3797695.1 CHIG|XP\_018155473.1 CVIN|KAF4928328.1 CVYL|A01074 FGRM|XP\_011328471.1 MGRA|XP\_003854288.1 MLAR|XP\_007408307.1 MORY|QBZ58591.1 NCRA|XP\_960191.2 SSCL|APA11383.1

>Orthogroup4544: ANID|CBF81766.1 BCIN|XP\_024552328.1 CFRU|XP\_031878688.1 CGLO|KAF3798356.1 CHIG|XP\_018151137.1 CVIN|KAF4923601.1 CVYL|A09030 FGRM|XP\_011323464.1 MGRA|XP\_003853773.1 MLAR|XP\_007413356.1 MORY|QBZ59260.1 NCRA|XP\_962479.1 SSCL|APA13191.1

>Orthogroup4545: ANID|CBF81822.1 BCIN|XP\_001547868.1 CFRU|XP\_031880191.1 CGLO|KAF3809090.1 CHIG|XP\_018155891.1 CVIN|KAF4923804.1 CVYL|A01622 FGRM|XP\_011318994.1 MGRA|XP\_003852895.1 MLAR|XP\_007408979.1 MORY|QBZ57477.1 NCRA|XP\_960876.2 SSCL|APA16173.1

>Orthogroup4546: ANID|CBF81887.1 BCIN|XP\_001550352.1 BGRA|VDB84105.1 CFRU|XP\_031890445.1 CHIG|XP\_018158616.1 CVIN|KAF4925975.1 CVYL|A13951 FGRM|XP\_011316455.1 MGRA|XP\_003852982.1 MLAR|XP\_007416939.1 MORY|QBZ56087.1 NCRA|XP\_965414.2 SSCL|APA10054.1

>Orthogroup4547: ANID|CBF81892.1 BCIN|XP\_024551499.1 BGRA|VCU41052.1 CFRU|XP\_031878433.1 CGLO|KAF3810732.1 CHIG|XP\_018162592.1 CVIN|KAF4932125.1 CVYL|A07221 FGRM|XP\_011323964.1 MGRA|XP\_003849182.1 MORY|QBZ63901.1 NCRA|XP\_956171.2 SSCL|APA10352.1

>Orthogroup4548: ANID|CBF81961.1 BCIN|XP\_001548953.2 BGRA|VDB93985.1 CFRU|XP\_031885447.1 CGLO|KAF3806527.1 CHIG|XP\_018157565.1 CVIN|KAF4921354.1 CVYL|A09343 FGRM|XP\_011327892.1 MGRA|XP\_003857688.1 MORY|QBZ64510.1 NCRA|XP\_962396.3 SSCL|APA05720.1

>Orthogroup4549: ANID|CBF81963.1 BCIN|XP\_001548951.1 BGRA|VDB93984.1 CFRU|XP\_031885445.1 CHIG|XP\_018157562.1 CVIN|KAF4921352.1 CVYL|A09345 FGRM|XP\_011327887.1 MGRA|XP\_003856053.1 MLAR|XP\_007405268.1 MORY|QBZ58908.1 NCRA|XP\_011394171.1 SSCL|APA05721.1

>Orthogroup4550: ANID|CBF81965.1 BCIN|XP\_001558600.1 BGRA|VDB93994.1 CFRU|XP\_031885446.1 CGLO|KAF3806526.1 CHIG|XP\_018157563.1 CVIN|KAF4921355.1 CVYL|A09344 FGRM|XP\_011327894.1 MGRA|XP\_003856055.1 MORY|QBZ64509.1 NCRA|XP\_011394177.1 SSCL|APA05699.1

>Orthogroup4551: ANID|CBF81966.1 BCIN|XP\_001558583.1 CFRU|XP\_031887714.1 CGLO|KAF3811649.1 CHIG|XP\_018160964.1 CVIN|KAF4921441.1 CVYL|A03509 FGRM|XP\_011323602.1 MGRA|XP\_003846945.1 MGRA|XP\_003853021.1 MORY|QBZ56693.1 NCRA|XP\_962210.3 SSCL|APA05714.1

>Orthogroup4552: ANID|CBF81992.1 CFRU|XP\_031884949.1 CFRU|XP\_031886371.1 CGLO|KAF3806240.1 CGLO|KAF3812187.1 CHIG|XP\_018162077.1 CVIN|KAF4920981.1 CVIN|KAF4931479.1 CVYL|A00203 CVYL|A11829 FGRM|XP\_011324029.1 MGRA|XP\_003851696.1 MORY|QBZ60890.1

>Orthogroup4553: ANID|CBF82055.1 BCIN|XP\_024549529.1 BGRA|VDB83624.1 CFRU|XP\_031879118.1 CGLO|KAF3798777.1 CHIG|XP\_018151236.1 CVIN|KAF4912777.1 CVYL|A09146 FGRM|XP\_011328078.1 MGRA|XP\_003856179.1 MORY|QBZ55237.1 NCRA|XP\_962118.1 SSCL|APA09102.1

>Orthogroup4554: ANID|CBF82061.1 BCIN|XP\_024549534.1 BGRA|VDB83607.1 CFRU|XP\_031890076.1 CGLO|KAF3798733.1 CHIG|XP\_018151258.1 CVIN|KAF4903205.1 CVYL|A09175 FGRM|XP\_011328076.1 MLAR|XP\_007415289.1 MORY|QBZ55234.1 NCRA|XP\_962116.1 SSCL|APA09105.1

>Orthogroup4555: ANID|CBF82063.1 BCIN|XP\_024549533.1 BGRA|VDB83608.1 CFRU|XP\_031890077.1 CGLO|KAF3798732.1 CHIG|XP\_018151257.1 CVIN|KAF4903198.1 CVYL|A09174 FGRM|XP\_011328077.1 MGRA|XP\_003851427.1 MORY|QBZ55236.1 NCRA|XP\_962115.1 SSCL|APA09104.1

>Orthogroup4556: ANID|CBF82130.1 CFRU|XP\_031880705.1 CFRU|XP\_031889284.1 CGLO|KAF3806793.1 CGLO|KAF3808902.1 CGLO|KAF3809952.1 CHIG|XP\_018155794.1 CHIG|XP\_018161532.1 CVIN|KAF4914184.1 CVIN|KAF4914520.1 CVYL|A01192 CVYL|A01671 FGRM|XP\_011328718.1

>Orthogroup4557: ANID|CBF82329.1 CFRU|XP\_031884669.1 CGLO|KAF3799077.1 CGLO|KAF3802581.1 CHIG|XP\_018161330.1 CVIN|KAF4918264.1 CVYL|A01869 CVYL|A11452 FGRM|XP\_011322976.1 FGRM|XP\_011325872.1 MGRA|XP\_003849349.1 MORY|QBZ64443.1 NCRA|XP\_958284.1

>Orthogroup4558: ANID|CBF82394.1 BCIN|XP\_024547078.1 CFRU|XP\_031887898.1 CGLO|KAF3802311.1 CHIG|XP\_018154415.1 CVIN|KAF4891976.1 CVYL|A10807 MGRA|XP\_003851744.1 MGRA|XP\_003854014.1 MORY|QBZ65815.1 NCRA|XP\_960081.1 NCRA|XP\_965534.3 SSCL|APA06156.1

>Orthogroup4559: ANID|CBF82438.1 BCIN|XP\_024548633.1 CFRU|XP\_031890390.1 CGLO|KAF3806723.1 CHIG|XP\_018158699.1 CVIN|KAF4919477.1 CVYL|A14031 FGRM|XP\_011317330.1 MGRA|XP\_003852803.1 MLAR|XP\_007413224.1 MORY|QBZ60453.1 NCRA|XP\_963933.2 SSCL|APA09860.1

>Orthogroup4560: ANID|CBF82444.1 BCIN|XP\_001551003.1 BGRA|VDB91128.1 CFRU|XP\_031877842.1 CGLO|KAF3804788.1 CHIG|XP\_018164283.1 CVIN|KAF4929770.1 CVYL|A12289 FGRM|XP\_011317028.1 MLAR|XP\_007411468.1 MORY|QBZ63587.1 NCRA|XP\_963921.3 SSCL|APA07054.1

>Orthogroup4561: ANID|CBF82495.1 ANID|CBF86465.1 ANID|CBF86753.1 BCIN|XP\_001555819.1 CFRU|XP\_031890161.1 CGLO|KAF3802850.1 CVIN|KAF4910473.1 CVYL|A05163 FGRM|XP\_011315644.1 FGRM|XP\_011321369.1 MORY|QBZ55178.1 SSCL|APA06887.1 SSCL|APA14517.1

>Orthogroup4562: ANID|CBF82523.1 BCIN|XP\_001547891.2 BGRA|VCU41343.1 CFRU|XP\_031882511.1 CGLO|KAF3807640.1 CHIG|XP\_018156289.1 CVIN|KAF4921407.1 CVYL|A03111 FGRM|XP\_011319213.1 MGRA|XP\_003857693.1 MORY|QBZ62472.1 NCRA|XP\_958669.1 SSCL|APA16159.1

>Orthogroup4563: ANID|CBF82532.1 BCIN|XP\_001551318.1 BGRA|VCU41203.1 CFRU|XP\_031889453.1 CGLO|KAF3808820.1 CHIG|XP\_018155723.1 CVIN|KAF4908025.1 CVYL|A01258 FGRM|XP\_011319146.1 MGRA|XP\_003852864.1 MORY|QBZ58729.1 NCRA|XP\_960882.2 SSCL|APA07592.1

>Orthogroup4564: ANID|CBF82534.1 BCIN|XP\_001552850.1 CFRU|XP\_031887153.1 CGLO|KAF3809225.1 CHIG|XP\_018156052.1 CVIN|KAF4925332.1 CVYL|A01415 FGRM|XP\_011328757.1 MGRA|XP\_003851297.1 MLAR|XP\_007419735.1 MORY|QBZ62487.1 NCRA|XP\_960582.1 SSCL|APA07623.1

>Orthogroup4565: ANID|CBF82539.1 BCIN|XP\_024552847.1 BGRA|VCU39730.1 CFRU|XP\_031882482.1 CHIG|XP\_018156360.1 CVIN|KAF4928958.1 CVYL|A02907 FGRM|XP\_011318944.1 MGRA|XP\_003856086.1 MLAR|XP\_007415905.1 MORY|QBZ62460.1 NCRA|XP\_011394875.1 SSCL|APA07599.1

>Orthogroup4566: ANID|CBF82547.1 BCIN|XP\_001551281.1 BGRA|VCU41371.1 CFRU|XP\_031889082.1 CGLO|KAF3808702.1 CHIG|XP\_018155567.1 CVIN|KAF4929575.1 CVYL|A00965 FGRM|XP\_011321127.1 MGRA|XP\_003852907.1 MORY|QBZ60109.1 NCRA|XP\_957391.1 SSCL|APA07560.1

>Orthogroup4567: ANID|CBF82550.1 BCIN|XP\_001553131.1 BGRA|VCU39630.1 CFRU|XP\_031887147.1 CGLO|KAF3809227.1 CHIG|XP\_018156054.1 CVIN|KAF4925330.1 CVYL|A01417 FGRM|XP\_011319040.1 MGRA|XP\_003853507.1 MORY|QBZ62488.1 NCRA|XP\_960833.1 SSCL|APA16083.1

>Orthogroup4568: ANID|CBF82554.1 BCIN|XP\_024552838.1 BGRA|VCU41154.1 CFRU|XP\_031888243.1 CGLO|KAF3797796.1 CHIG|XP\_018156464.1 CVIN|KAF4923149.1 CVYL|A03023 FGRM|XP\_011318355.1 MGRA|XP\_003856128.1 MORY|QBZ57798.1 NCRA|XP\_958979.2 SSCL|APA07617.1

>Orthogroup4569: ANID|CBF82571.1 BCIN|XP\_024546093.1 BGRA|VDB90517.1 CFRU|XP\_031884292.1 CGLO|KAF3799972.1 CHIG|XP\_018153001.1 CVIN|KAF4926925.1 CVYL|A10193 FGRM|XP\_011324319.1 MGRA|XP\_003857692.1 MORY|QBZ64134.1 NCRA|XP\_964924.2 SSCL|APA06611.1

>Orthogroup4570: ANID|CBF82578.1 BCIN|XP\_024552919.1 CFRU|XP\_031882345.1 CGLO|KAF3807530.1 CHIG|XP\_018156407.1 CVIN|KAF4928878.1 CVYL|A02955 FGRM|XP\_011318600.1 MGRA|XP\_003852943.1 MLAR|XP\_007412253.1 MORY|QBZ63652.1 NCRA|XP\_011395201.1 SSCL|APA07536.1

>Orthogroup4571: ANID|CBF82596.1 BCIN|XP\_001549229.1 BGRA|VDB90923.1 CFRU|XP\_031879978.1 CGLO|KAF3798997.1 CHIG|XP\_018152907.1 CVIN|KAF4923492.1 CVYL|A07916 FGRM|XP\_011324334.1 MGRA|XP\_003853398.1 MORY|QBZ53522.1 NCRA|XP\_958302.1 SSCL|APA09215.1

>Orthogroup4572: ANID|CBF82622.1 BCIN|XP\_001551773.2 CFRU|XP\_031876025.1 CGLO|KAF3797299.1 CHIG|XP\_018157208.1 CVIN|KAF4894466.1 CVYL|A10394 FGRM|XP\_011320164.1 MGRA|XP\_003855244.1 MLAR|XP\_007417407.1 MORY|QBZ65631.1 NCRA|XP\_011392784.1 SSCL|APA11962.1

>Orthogroup4573: ANID|CBF82625.1 BCIN|XP\_024547244.1 BGRA|VDB93071.1 CFRU|XP\_031877669.1 CHIG|XP\_018153699.1 CVIN|KAF4898624.1 CVYL|A00257 FGRM|XP\_011327821.1 MGRA|XP\_003848559.1 MLAR|XP\_007413503.1 MORY|QBZ60543.1 NCRA|XP\_959439.3 SSCL|APA14188.1

>Orthogroup4574: ANID|CBF82629.1 BCIN|XP\_024547239.1 BGRA|VDB93072.1 CFRU|XP\_031882046.1 CGLO|KAF3806150.1 CHIG|XP\_018164512.1 CVIN|KAF4907013.1 CVYL|A07357 FGRM|XP\_011325025.1 MGRA|XP\_003848438.1 MORY|QBZ60576.1 NCRA|XP\_959800.1 SSCL|APA14184.1

>Orthogroup4575: ANID|CBF82642.1 BCIN|XP\_001550547.1 BGRA|VDB93069.1 CFRU|XP\_031877671.1 CGLO|KAF3796986.1 CHIG|XP\_018153700.1 CVIN|KAF4898628.1 CVYL|A00246 FGRM|XP\_011327822.1 MGRA|XP\_003848416.1 MORY|QBZ60541.1 NCRA|XP\_959438.1 SSCL|APA14187.1

>Orthogroup4576: ANID|CBF82648.1 BCIN|XP\_001550542.1 BGRA|VDB93066.1 CFRU|XP\_031877648.1 CGLO|KAF3796990.1 CHIG|XP\_018153696.1 CVIN|KAF4898626.1 CVYL|A00290 FGRM|XP\_011327818.1 MLAR|XP\_007412642.1 MORY|QBZ60546.1 NCRA|XP\_001728364.2 SSCL|APA14191.1

>Orthogroup4577: ANID|CBF82666.1 BCIN|XP\_024550721.1 BGRA|VCU40377.1 CFRU|XP\_031880221.1 CGLO|KAF3809011.1 CHIG|XP\_018155845.1 CVIN|KAF4918012.1 CVYL|A01557 FGRM|XP\_011319322.1 MGRA|XP\_003855959.1 MORY|QBZ59104.1 NCRA|XP\_960849.1 SSCL|APA11563.1

>Orthogroup4578: ANID|CBF82672.1 BCIN|XP\_024547224.1 BGRA|VDB89070.1 CFRU|XP\_031882038.1 CGLO|KAF3806147.1 CHIG|XP\_018164515.1 CVIN|KAF4907020.1 CVYL|A07360 FGRM|XP\_011324997.1 MLAR|XP\_007409936.1 MORY|QBZ60933.1 NCRA|XP\_958589.1 SSCL|APA14152.1

>Orthogroup4579: ANID|CBF82690.1 BCIN|XP\_024553207.1 BGRA|VDB88863.1 CFRU|XP\_031877651.1 CGLO|KAF3801106.1 CHIG|XP\_018153758.1 CVYL|A11289 FGRM|XP\_011327779.1 MGRA|XP\_003848316.1 MLAR|XP\_007418053.1 MORY|QBZ60603.1 NCRA|XP\_011395146.1 SSCL|APA13462.1

>Orthogroup4580: ANID|CBF82696.1 BCIN|XP\_024550707.1 CFRU|XP\_031889150.1 CGLO|KAF3808796.1 CHIG|XP\_018155689.1 CVIN|KAF4906808.1 CVYL|A00869 FGRM|XP\_011319346.1 MGRA|XP\_003856036.1 MLAR|XP\_007411832.1 MORY|QBZ64621.1 NCRA|XP\_961425.1 SSCL|APA11542.1

>Orthogroup4581: ANID|CBF82712.1 BCIN|XP\_001556015.2 BGRA|VDB83782.1 CFRU|XP\_031875784.1 CGLO|KAF3797578.1 CHIG|XP\_018154102.1 CVIN|KAF4912172.1 CVYL|A03410 FGRM|XP\_011325402.1 MGRA|XP\_003846858.1 MORY|QBZ60049.1 NCRA|XP\_011395372.1 SSCL|APA13937.1

>Orthogroup4582: ANID|CBF82716.1 BCIN|XP\_001554348.2 BGRA|VDB83840.1 CFRU|XP\_031876260.1 CGLO|KAF3805998.1 CHIG|XP\_018164645.1 CVIN|KAF4925709.1 CVYL|A07516 FGRM|XP\_011326712.1 MGRA|XP\_003848283.1 MORY|QBZ64903.1 NCRA|XP\_959973.1 SSCL|APA14426.1

>Orthogroup4583: ANID|CBF82720.1 BCIN|XP\_024547272.1 CFRU|XP\_031891717.1 CGLO|KAF3805567.1 CHIG|XP\_018164734.1 CVIN|KAF4922386.1 CVYL|A07636 CVYL|A09977 FGRM|XP\_011324681.1 MGRA|XP\_003848626.1 MORY|QBZ64920.1 NCRA|XP\_958944.1 SSCL|APA14234.1

>Orthogroup4584: ANID|CBF82733.1 BCIN|XP\_001546675.1 BGRA|VDB93215.1 CFRU|XP\_031887414.1 CGLO|KAF3809264.1 CHIG|XP\_018156099.1 CVIN|KAF4907392.1 CVYL|A01456 FGRM|XP\_011319312.1 MGRA|XP\_003857476.1 MORY|QBZ57394.1 NCRA|XP\_955851.2 SSCL|APA11513.1

>Orthogroup4585: ANID|CBF82734.1 BCIN|XP\_001557724.1 BGRA|VDB93193.1 CFRU|XP\_031882500.1 CGLO|KAF3807613.1 CHIG|XP\_018156322.1 CVIN|KAF4928946.1 CVYL|A03141 FGRM|XP\_011318870.1 MGRA|XP\_003857703.1 MORY|QBZ56927.1 NCRA|XP\_957624.3 SSCL|APA12209.1

>Orthogroup4586: ANID|CBF82736.1 BCIN|XP\_001557709.1 BGRA|VDB93185.1 CFRU|XP\_031887249.1 CGLO|KAF3809287.1 CHIG|XP\_018156125.1 CVIN|KAF4921074.1 CVYL|A01482 FGRM|XP\_011319211.1 MGRA|XP\_003856116.1 MORY|QBZ57098.1 NCRA|XP\_961247.1 SSCL|APA12221.1

>Orthogroup4587: ANID|CBF82742.1 BCIN|XP\_001557712.1 BGRA|VCU40939.1 CFRU|XP\_031892568.1 CGLO|KAF3809155.1 CHIG|XP\_018155975.1 CVIN|KAF4919821.1 CVYL|A01341 FGRM|XP\_011318809.1 MLAR|XP\_007418963.1 MORY|QBZ62425.1 NCRA|XP\_011394665.1 SSCL|APA12218.1

>Orthogroup4588: ANID|CBF82758.1 BCIN|XP\_001555535.1 BGRA|VCU39888.1 CFRU|XP\_031889533.1 CGLO|KAF3805885.1 CHIG|XP\_018158893.1 CVIN|KAF4920788.1 CVYL|A13828 FGRM|XP\_011317318.1 MGRA|XP\_003852754.1 MLAR|XP\_007409407.1 NCRA|XP\_959810.1 SSCL|APA07412.1

>Orthogroup4589: ANID|CBF82833.1 BCIN|XP\_001560441.1 BGRA|VCU39859.1 CFRU|XP\_031889826.1 CHIG|XP\_018159044.1 CVIN|KAF4899748.1 CVYL|A13633 FGRM|XP\_011328364.1 MGRA|XP\_003856202.1 MLAR|XP\_007416196.1 MORY|QBZ54522.1 NCRA|XP\_011395225.1 SSCL|APA08751.1

>Orthogroup4590: ANID|CBF82836.1 BCIN|XP\_001560270.1 BGRA|VCU39863.1 CFRU|XP\_031889620.1 CGLO|KAF3810549.1 CHIG|XP\_018159047.1 CVIN|KAF4895564.1 CVYL|A13626 FGRM|XP\_011328366.1 MGRA|XP\_003856276.1 MORY|QBZ54518.1 NCRA|XP\_959813.1 SSCL|APA08851.1

>Orthogroup4591: ANID|CBF82849.1 BCIN|XP\_024546538.1 BGRA|VCU39929.1 CFRU|XP\_031889846.1 CGLO|KAF3810545.1 CHIG|XP\_018159051.1 CVYL|A13621 FGRM|XP\_011328359.1 MGRA|XP\_003852839.1 MLAR|XP\_007408607.1 MORY|QBZ54527.1 NCRA|XP\_959822.2 SSCL|APA06713.1

>Orthogroup4592: ANID|CBF82983.1 ANID|CBF85865.1 BCIN|XP\_001554637.1 CFRU|XP\_031881530.1 CGLO|KAF3807462.1 CHIG|XP\_018156772.1 CVIN|KAF4918535.1 CVYL|A10974 MLAR|XP\_007411224.1 MORY|QBZ61897.1 NCRA|XP\_957062.1 NCRA|XP\_962772.1 SSCL|APA11048.1

>Orthogroup4593: ANID|CBF83096.1 ANID|CBF85181.1 ANID|CBF87385.1 BCIN|XP\_024546273.1 BCIN|XP\_024550374.1 MGRA|XP\_003856216.1 MORY|QBZ53333.1 MORY|QBZ60238.1 MORY|QBZ60239.1 MORY|QBZ63368.1 MORY|QBZ65025.1 NCRA|XP\_958491.2 SSCL|APA11068.1

>Orthogroup4594: ANID|CBF83128.1 BCIN|XP\_001553895.1 CFRU|XP\_031877129.1 CFRU|XP\_031881260.1 CGLO|KAF3802534.1 CGLO|KAF3803979.1 CHIG|XP\_018154827.1 CVIN|KAF4925188.1 CVYL|A02124 CVYL|A08821 FGRM|XP\_011320702.1 MGRA|XP\_003851340.1 SSCL|APA13053.1

>Orthogroup4595: ANID|CBF83151.1 BCIN|XP\_024550557.1 BGRA|VDB86001.1 CFRU|XP\_031892621.1 CGLO|KAF3797173.1 CHIG|XP\_018157332.1 CVIN|KAF4918849.1 CVYL|A10523 FGRM|XP\_011320214.1 MGRA|XP\_003854620.1 MORY|QBZ66139.1 NCRA|XP\_965768.2 SSCL|APA11354.1

>Orthogroup4596: ANID|CBF83226.1 BCIN|XP\_024550341.1 BGRA|VDB84157.1 CFRU|XP\_031887794.1 CGLO|KAF3802106.1 CHIG|XP\_018154247.1 CVYL|A03285 FGRM|XP\_011323019.1 MGRA|XP\_003853621.1 MLAR|XP\_007415790.1 MORY|QBZ66415.1 NCRA|XP\_965510.1 SSCL|APA11020.1

>Orthogroup4597: ANID|CBF83234.1 BCIN|XP\_001551320.1 BGRA|VCU41294.1 CFRU|XP\_031887145.1 CGLO|KAF3809209.1 CHIG|XP\_018156030.1 CVIN|KAF4925321.1 CVYL|A01398 FGRM|XP\_011315564.1 FGRM|XP\_011319080.1 MORY|QBZ57085.1 NCRA|XP\_961430.1 SSCL|APA16131.1

>Orthogroup4598: ANID|CBF83236.1 BCIN|XP\_024548668.1 BGRA|VDB89388.1 CFRU|XP\_031882554.1 CGLO|KAF3796928.1 CHIG|XP\_018152241.1 CVIN|KAF4899309.1 CVYL|A13250 FGRM|XP\_011321220.1 MGRA|XP\_003849138.1 MORY|QBZ56646.1 NCRA|XP\_956127.3 SSCL|APA09879.1

>Orthogroup4599: ANID|CBF83251.1 BCIN|XP\_001552064.1 BGRA|VDB89521.1 CFRU|XP\_031877999.1 CGLO|KAF3799603.1 CHIG|XP\_018154598.1 CVIN|KAF4926496.1 CVYL|A13465 FGRM|XP\_011316542.1 MGRA|XP\_003857644.1 MORY|QBZ61034.1 NCRA|XP\_956510.2 SSCL|APA09796.1

>Orthogroup4600: ANID|CBF83253.1 BCIN|XP\_024548880.1 BGRA|VDB89375.1 CFRU|XP\_031885883.1 CGLO|KAF3805444.1 CHIG|XP\_018155311.1 CVIN|KAF4930401.1 CVYL|A05574 FGRM|XP\_011325483.1 MGRA|XP\_003857477.1 MORY|QBZ53795.1 NCRA|XP\_956828.2 SSCL|APA09419.1

>Orthogroup4601: ANID|CBF83257.1 CFRU|XP\_031875934.1 CFRU|XP\_031880987.1 CFRU|XP\_031880988.1 CGLO|KAF3800457.1 CGLO|KAF3800459.1 CGLO|KAF3805694.1 CHIG|XP\_018161368.1 CVIN|KAF4902810.1 CVYL|A01842 CVYL|A09853 FGRM|XP\_011321638.1 MORY|QBZ58378.1

>Orthogroup4602: ANID|CBF83262.1 BCIN|XP\_024548881.1 BGRA|VDB89380.1 CFRU|XP\_031885941.1 CGLO|KAF3805456.1 CHIG|XP\_018155318.1 CVIN|KAF4930378.1 CVYL|A05586 FGRM|XP\_011325474.1 MGRA|XP\_003857567.1 MORY|QBZ54418.1 NCRA|XP\_956841.1 SSCL|APA09413.1

>Orthogroup4603: ANID|CBF83273.1 BCIN|XP\_001559651.1 BGRA|VDB89378.1 CFRU|XP\_031886065.1 CGLO|KAF3805458.1 CHIG|XP\_018155320.1 CVIN|KAF4930448.1 CVYL|A05588 FGRM|XP\_011325472.1 MGRA|XP\_003857650.1 MORY|QBZ54420.1 NCRA|XP\_956843.1 SSCL|APA09415.1

>Orthogroup4604: ANID|CBF83306.1 BCIN|XP\_024553023.1 BGRA|VCU41166.1 CFRU|XP\_031887435.1 CHIG|XP\_018156185.1 CVIN|KAF4924195.1 CVYL|A01533 FGRM|XP\_011318904.1 MGRA|XP\_003856673.1 MLAR|XP\_007409254.1 MORY|QBZ57454.1 NCRA|XP\_961523.1 SSCL|APA16188.1

>Orthogroup4605: ANID|CBF83317.1 BCIN|XP\_001546144.1 BGRA|VCU41241.1 CFRU|XP\_031889163.1 CGLO|KAF3803142.1 CHIG|XP\_018155530.1 CVIN|KAF4928272.1 CVYL|A01029 FGRM|XP\_011319351.1 MGRA|XP\_003856227.1 MORY|QBZ60167.1 NCRA|XP\_955898.1 SSCL|APA16017.1

>Orthogroup4606: ANID|CBF83329.1 BCIN|XP\_024546238.1 BGRA|VCU38900.1 BGRA|VCU38902.1 CFRU|XP\_031887743.1 CGLO|KAF3811610.1 CHIG|XP\_018160883.1 CVIN|KAF4921446.1 CVYL|A03469 FGRM|XP\_011328148.1 MGRA|XP\_003854711.1 MORY|QBZ56225.1 SSCL|APA06988.1

>Orthogroup4607: ANID|CBF83340.1 BCIN|XP\_001559988.1 CFRU|XP\_031877789.1 CGLO|KAF3799404.1 CHIG|XP\_018152264.1 CVIN|KAF4931740.1 CVYL|A13268 FGRM|XP\_011324601.1 MGRA|XP\_003856096.1 MLAR|XP\_007406214.1 MORY|QBZ53937.1 NCRA|XP\_956628.1 SSCL|APA09991.1

>Orthogroup4608: ANID|CBF83349.1 BCIN|XP\_024548627.1 BGRA|VDB84090.1 CFRU|XP\_031890429.1 CGLO|KAF3798135.1 CHIG|XP\_018158636.1 CVIN|KAF4925982.1 CVYL|A13971 FGRM|XP\_011323399.1 MGRA|XP\_003854668.1 MORY|QBZ56085.1 NCRA|XP\_964181.1 SSCL|APA09853.1

>Orthogroup4609: ANID|CBF83358.1 BCIN|XP\_024551935.1 BGRA|VCU39980.1 CFRU|XP\_031883794.1 CGLO|KAF3805150.1 CHIG|XP\_018163362.1 CVIN|KAF4927426.1 CVYL|A06406 FGRM|XP\_011321622.1 MGRA|XP\_003855720.1 MLAR|XP\_007406759.1 MORY|QBZ63277.1 NCRA|XP\_956924.1

>Orthogroup4610: ANID|CBF83385.1 BCIN|XP\_001552022.1 BGRA|VDB89243.1 CFRU|XP\_031882642.1 CHIG|XP\_018152256.1 CVIN|KAF4891597.1 CVYL|A13259 FGRM|XP\_011324616.1 MGRA|XP\_003851374.1 MLAR|XP\_007418127.1 MORY|QBZ54003.1 NCRA|XP\_956608.1 SSCL|APA10007.1

>Orthogroup4611: ANID|CBF83388.1 BCIN|XP\_001548185.1 CFRU|XP\_031882553.1 CGLO|KAF3796931.1 CHIG|XP\_018152236.1 CVIN|KAF4901185.1 CVYL|A13247 FGRM|XP\_011325687.1 MGRA|XP\_003855969.1 MLAR|XP\_007411313.1 MORY|QBZ56642.1 NCRA|XP\_956010.3 SSCL|APA15566.1

>Orthogroup4612: ANID|CBF83394.1 BCIN|XP\_024548673.1 BGRA|VDB89393.1 CFRU|XP\_031882555.1 CGLO|KAF3796929.1 CHIG|XP\_018152240.1 CVIN|KAF4899310.1 CVYL|A13249 FGRM|XP\_011321248.1 MGRA|XP\_003856012.1 MORY|QBZ56645.1 NCRA|XP\_956130.1 SSCL|APA09882.1

>Orthogroup4613: ANID|CBF83395.1 BCIN|XP\_001556039.1 BGRA|VDB89399.1 CFRU|XP\_031882546.1 CGLO|KAF3796926.1 CHIG|XP\_018152243.1 CVIN|KAF4899307.1 CVYL|A13251 FGRM|XP\_011321222.1 MGRA|XP\_003856032.1 MORY|QBZ60993.1 NCRA|XP\_963172.2 SSCL|APA13954.1

>Orthogroup4614: ANID|CBF83399.1 BCIN|XP\_024550043.1 CFRU|XP\_031877322.1 CFRU|XP\_031882957.1 CGLO|KAF3801119.1 CGLO|KAF3808305.1 CHIG|XP\_018163125.1 CVIN|KAF4906963.1 CVIN|KAF4924075.1 CVYL|A00641 CVYL|A11280 FGRM|XP\_011323174.1 MORY|QBZ63341.1

>Orthogroup4615: ANID|CBF83407.1 BCIN|XP\_001552040.1 BGRA|VDB89241.1 CFRU|XP\_031877770.1 CGLO|KAF3799401.1 CHIG|XP\_018152261.1 CVIN|KAF4931831.1 CVYL|A13266 FGRM|XP\_011324605.1 MGRA|XP\_003851563.1 MORY|QBZ53943.1 NCRA|XP\_011393514.1 SSCL|APA10019.1

>Orthogroup4616: ANID|CBF83423.1 BCIN|XP\_024548870.1 BGRA|VDB89377.1 CFRU|XP\_031885939.1 CGLO|KAF3805454.1 CHIG|XP\_018155316.1 CVIN|KAF4930350.1 CVYL|A05584 FGRM|XP\_011325476.1 MLAR|XP\_007413542.1 MORY|QBZ53799.1 NCRA|XP\_011393535.1 SSCL|APA09427.1

>Orthogroup4617: ANID|CBF83435.1 BCIN|XP\_001553169.1 BGRA|VCU39614.1 CFRU|XP\_031875745.1 CGLO|KAF3797761.1 CHIG|XP\_018156429.1 CVIN|KAF4918804.1 CVYL|A02977 FGRM|XP\_011318786.1 MGRA|XP\_003857236.1 MORY|QBZ57715.1 NCRA|XP\_960078.2 SSCL|APA07527.1

>Orthogroup4618: ANID|CBF83437.1 BCIN|XP\_024552864.1 CFRU|XP\_031889450.1 CGLO|KAF3808816.1 CHIG|XP\_018155719.1 CVIN|KAF4908031.1 CVYL|A01262 FGRM|XP\_011319268.1 MGRA|XP\_003857445.1 MLAR|XP\_007416853.1 MORY|QBZ58717.1 NCRA|XP\_960700.1 SSCL|APA16123.1

>Orthogroup4619: ANID|CBF83455.1 BCIN|XP\_024547123.1 BGRA|VDB92982.1 CFRU|XP\_031879723.1 CGLO|KAF3798238.1 CHIG|XP\_018154018.1 CVIN|KAF4930124.1 CVYL|A04885 FGRM|XP\_011325606.1 MLAR|XP\_007415981.1 MORY|QBZ61213.1 NCRA|XP\_957995.1 SSCL|APA14022.1

>Orthogroup4620: ANID|CBF83457.1 BCIN|XP\_024547126.1 BGRA|VDB92985.1 CFRU|XP\_031879731.1 CGLO|KAF3798237.1 CHIG|XP\_018154015.1 CVIN|KAF4930177.1 CVYL|A04886 FGRM|XP\_011325603.1 MGRA|XP\_003848558.1 MORY|QBZ61208.1 NCRA|XP\_958075.3 SSCL|APA14024.1

>Orthogroup4621: ANID|CBF83460.1 BCIN|XP\_001556024.2 BGRA|VDB91190.1 CFRU|XP\_031891710.1 CGLO|KAF3805637.1 CHIG|XP\_018164689.1 CVIN|KAF4925724.1 CVYL|A07562 FGRM|XP\_011324667.1 MGRA|XP\_003851774.1 MORY|QBZ62309.1 NCRA|XP\_959893.1 SSCL|APA13944.1

>Orthogroup4622: ANID|CBF83467.1 BCIN|XP\_001551078.1 BGRA|VCU40158.1 CFRU|XP\_031891715.1 CGLO|KAF3805565.1 CHIG|XP\_018164736.1 CVIN|KAF4922384.1 CVYL|A07638 FGRM|XP\_011324686.1 MGRA|XP\_003848257.1 MORY|QBZ64922.1 NCRA|XP\_955940.1 SSCL|APA14262.1

>Orthogroup4623: ANID|CBF83475.1 BCIN|XP\_001554347.1 BGRA|VDB83931.1 CFRU|XP\_031882115.1 CGLO|KAF3806107.1 CHIG|XP\_018164560.1 CVIN|KAF4902337.1 CVYL|A07405 FGRM|XP\_011326713.1 MGRA|XP\_003848351.1 MORY|QBZ64904.1 NCRA|XP\_959975.1 SSCL|APA14425.1

>Orthogroup4624: ANID|CBF83477.1 BCIN|XP\_024547228.1 CFRU|XP\_031881938.1 CGLO|KAF3797872.1 CHIG|XP\_018164480.1 CVIN|KAF4911595.1 CVYL|A07329 FGRM|XP\_011327847.1 MGRA|XP\_003848399.1 MLAR|XP\_007403932.1 MORY|QBZ60548.1 NCRA|XP\_959721.3 SSCL|APA14160.1

>Orthogroup4625: ANID|CBF83480.1 BCIN|XP\_024547353.1 BGRA|VDB88969.1 CFRU|XP\_031877309.1 CHIG|XP\_018153818.1 CVIN|KAF4921726.1 CVYL|A09643 FGRM|XP\_011325408.1 MGRA|XP\_003848708.1 MLAR|XP\_007407296.1 MORY|QBZ59957.1 NCRA|XP\_958048.1 SSCL|APA14355.1

>Orthogroup4626: ANID|CBF83491.1 BCIN|XP\_001550590.1 BGRA|VDB89069.1 CFRU|XP\_031892000.1 CGLO|KAF3805574.1 CHIG|XP\_018164727.1 CVIN|KAF4922352.1 CVYL|A07628 FGRM|XP\_011324969.1 MLAR|XP\_007408116.1 MORY|QBZ64918.1 NCRA|XP\_958946.1 SSCL|APA14154.1

>Orthogroup4627: ANID|CBF83521.1 BCIN|XP\_001554266.1 BGRA|VDB88931.1 CFRU|XP\_031881952.1 CGLO|KAF3806009.1 CHIG|XP\_018164656.1 CVIN|KAF4925735.1 CVYL|A07503 FGRM|XP\_011325013.1 MGRA|XP\_003848465.1 MORY|QBZ60616.1 NCRA|XP\_959788.3 SSCL|APA14368.1

>Orthogroup4628: ANID|CBF83533.1 BCIN|XP\_024552679.1 CFRU|XP\_031879428.1 CGLO|KAF3802415.1 CHIG|XP\_018154710.1 CVIN|KAF4918207.1 CVYL|A13558 FGRM|XP\_011324291.1 MGRA|XP\_003849474.1 MLAR|XP\_007407507.1 MORY|QBZ55805.1 NCRA|XP\_956711.1 SSCL|APA15531.1

>Orthogroup4629: ANID|CBF83541.1 BCIN|XP\_024547134.1 BGRA|VDB88877.1 CFRU|XP\_031881936.1 CGLO|KAF3797869.1 CHIG|XP\_018164484.1 CVIN|KAF4911590.1 CVYL|A07333 FGRM|XP\_011327851.1 MLAR|XP\_007411642.1 MORY|QBZ59003.1 NCRA|XP\_959716.1 SSCL|APA14041.1

>Orthogroup4630: ANID|CBF83542.1 BCIN|XP\_001552780.1 BGRA|VDB88803.1 CFRU|XP\_031877647.1 CGLO|KAF3801104.1 CHIG|XP\_018153755.1 CVIN|KAF4909553.1 CVYL|A11291 FGRM|XP\_011327781.1 MLAR|XP\_007404303.1 MORY|QBZ60624.1 NCRA|XP\_957881.1 SSCL|APA14046.1

>Orthogroup4631: ANID|CBF83550.1 BCIN|XP\_024547209.1 BGRA|VDB88977.1 CFRU|XP\_031891893.1 CHIG|XP\_018164694.1 CVIN|KAF4925730.1 CVYL|A07568 FGRM|XP\_011324678.1 MGRA|XP\_003848571.1 MLAR|XP\_007405094.1 MORY|QBZ62298.1 NCRA|XP\_011395116.1 SSCL|APA14138.1

>Orthogroup4632: ANID|CBF83557.1 BCIN|XP\_001552782.2 BGRA|VDB88799.1 CFRU|XP\_031881959.1 CGLO|KAF3806161.1 CHIG|XP\_018164498.1 CVYL|A07346 FGRM|XP\_011325040.1 MGRA|XP\_003851973.1 MLAR|XP\_007404977.1 MORY|QBZ60566.1 NCRA|XP\_011395159.1 SSCL|APA14045.1

>Orthogroup4633: ANID|CBF83569.1 BCIN|XP\_024553168.1 BGRA|VDB88996.1 CFRU|XP\_031892017.1 CGLO|KAF3800137.1 CHIG|XP\_018165071.1 CVIN|KAF4925840.1 CVYL|A06826 FGRM|XP\_011327679.1 MGRA|XP\_003848556.1 MORY|QBZ60650.1 NCRA|XP\_958445.2 SSCL|APA13415.1

>Orthogroup4634: ANID|CBF83597.1 BCIN|XP\_001557202.1 CFRU|XP\_031882359.1 CGLO|KAF3807583.1 CHIG|XP\_018156351.1 CVIN|KAF4928899.1 CVYL|A02899 FGRM|XP\_011319221.1 MGRA|XP\_003855937.1 MLAR|XP\_007404086.1 MORY|QBZ62167.1 NCRA|XP\_956549.1 SSCL|APA12495.1

>Orthogroup4635: ANID|CBF83600.1 BCIN|XP\_001551575.2 BGRA|VDB95237.1 CFRU|XP\_031877704.1 CGLO|KAF3797373.1 CHIG|XP\_018157137.1 CVIN|KAF4929392.1 CVYL|A10316 FGRM|XP\_011319862.1 MGRA|XP\_003857621.1 MORY|QBZ65907.1 NCRA|XP\_965836.1 SSCL|APA11809.1

>Orthogroup4636: ANID|CBF83626.1 BCIN|XP\_001553626.1 CFRU|XP\_031888225.1 CGLO|KAF3803640.1 CHIG|XP\_018163820.1 CVIN|KAF4913963.1 CVYL|A14574 FGRM|XP\_011317059.1 MGRA|XP\_003849910.1 MLAR|XP\_007408526.1 MORY|QBZ54697.1 NCRA|XP\_958318.2 SSCL|APA06441.1

>Orthogroup4637: ANID|CBF83628.1 BCIN|XP\_001546114.2 BGRA|VDB90932.1 CFRU|XP\_031888223.1 CGLO|KAF3803641.1 CHIG|XP\_018163819.1 CVIN|KAF4913948.1 CVYL|A14575 FGRM|XP\_011317058.1 MGRA|XP\_003852584.1 MORY|QBZ54699.1 NCRA|XP\_011393237.1 SSCL|APA06442.1

>Orthogroup4638: ANID|CBF83635.1 BCIN|XP\_024546620.1 BGRA|VDB90510.1 CFRU|XP\_031888221.1 CGLO|KAF3803642.1 CHIG|XP\_018163818.1 CVIN|KAF4913945.1 CVYL|A14576 FGRM|XP\_011317057.1 MGRA|XP\_003852583.1 MORY|QBZ54700.1 NCRA|XP\_958316.1 SSCL|APA06443.1

>Orthogroup4639: ANID|CBF83639.1 BCIN|XP\_024546621.1 BGRA|VDB90934.1 CFRU|XP\_031888219.1 CGLO|KAF3803643.1 CHIG|XP\_018163817.1 CVIN|KAF4913962.1 CVYL|A14577 FGRM|XP\_011317056.1 MLAR|XP\_007405984.1 MORY|QBZ54701.1 NCRA|XP\_958315.3 SSCL|APA06444.1

>Orthogroup4640: ANID|CBF83641.1 BCIN|XP\_024551447.1 BGRA|VCU39760.1 CFRU|XP\_031893395.1 CGLO|KAF3808415.1 CHIG|XP\_018152493.1 CVIN|KAF4924996.1 CVYL|A09574 FGRM|XP\_011317932.1 MGRA|XP\_003848397.1 MORY|QBZ54070.1 NCRA|XP\_958279.2 SSCL|APA10710.1

>Orthogroup4641: ANID|CBF83649.1 BCIN|XP\_001549941.1 CFRU|XP\_031888486.1 CGLO|KAF3803524.1 CHIG|XP\_018164065.1 CVIN|KAF4922238.1 CVYL|A14454 FGRM|XP\_011326520.1 MGRA|XP\_003852241.1 MLAR|XP\_007406305.1 MORY|QBZ56474.1 NCRA|XP\_965143.2 SSCL|APA06637.1

>Orthogroup4642: ANID|CBF83658.1 BCIN|XP\_024551486.1 CFRU|XP\_031893342.1 CGLO|KAF3808026.1 CHIG|XP\_018152354.1 CVIN|KAF4909484.1 CVYL|A09457 FGRM|XP\_011317759.1 MGRA|XP\_003852999.1 MLAR|XP\_007418952.1 MORY|QBZ54219.1 NCRA|XP\_961409.2 SSCL|APA10391.1

>Orthogroup4643: ANID|CBF83664.1 BCIN|XP\_024546862.1 BGRA|VDB93836.1 CFRU|XP\_031877829.1 CGLO|KAF3804778.1 CHIG|XP\_018164270.1 CVIN|KAF4929799.1 CVYL|A12297 FGRM|XP\_011316714.1 MORY|QBZ62991.1 NCRA|XP\_964046.2 SSCL|APA14525.1 SSCL|APA14526.1

>Orthogroup4644: ANID|CBF83697.1 BCIN|XP\_024546925.1 CFRU|XP\_031888251.1 CGLO|KAF3803496.1 CHIG|XP\_018164026.1 CVIN|KAF4926275.1 CVYL|A14425 FGRM|XP\_011326829.1 MGRA|XP\_003857173.1 MORY|QBZ54719.1 MORY|QBZ60203.1 NCRA|XP\_011393128.1 SSCL|APA05814.1

>Orthogroup4645: ANID|CBF83722.1 BCIN|XP\_024546329.1 BGRA|VDB90700.1 CFRU|XP\_031888436.1 CGLO|KAF3803460.1 CHIG|XP\_018163988.1 CVIN|KAF4926354.1 CVYL|A14389 FGRM|XP\_011326493.1 MLAR|XP\_007413633.1 MORY|QBZ63471.1 NCRA|XP\_958420.1 SSCL|APA06894.1

>Orthogroup4646: ANID|CBF83727.1 BCIN|XP\_001561389.1 CFRU|XP\_031882903.1 CGLO|KAF3812074.1 CHIG|XP\_018164090.1 CVIN|KAF4923673.1 CVYL|A14250 FGRM|XP\_011326754.1 MGRA|XP\_003852640.1 MLAR|XP\_007405300.1 MORY|QBZ62743.1 NCRA|XP\_011393136.1 SSCL|APA06899.1

>Orthogroup4647: ANID|CBF83734.1 BCIN|XP\_001553762.1 BGRA|VDB93692.1 CFRU|XP\_031892646.1 CGLO|KAF3812262.1 CHIG|XP\_018153485.1 CVIN|KAF4919906.1 CVYL|A00123 FGRM|XP\_011316904.1 MLAR|XP\_007409747.1 MORY|QBZ55276.1 NCRA|XP\_965171.2 SSCL|APA06119.1

>Orthogroup4648: ANID|CBF83736.1 BCIN|XP\_024547064.1 BGRA|VDB93636.1 CFRU|XP\_031892644.1 CHIG|XP\_018153483.1 CVIN|KAF4919914.1 CVYL|A00126 FGRM|XP\_011316902.1 MGRA|XP\_003856318.1 MLAR|XP\_007409195.1 MORY|QBZ55267.1 NCRA|XP\_965174.1 SSCL|APA06139.1

>Orthogroup4649: ANID|CBF83767.1 BCIN|XP\_024550632.1 BGRA|VCU39554.1 CFRU|XP\_031887352.1 CGLO|KAF3809354.1 CHIG|XP\_018156209.1 CVIN|KAF4924185.1 CVYL|A01562 FGRM|XP\_011318796.1 MGRA|XP\_003857714.1 MORY|QBZ59038.1 NCRA|XP\_011394527.1 SSCL|APA11446.1

>Orthogroup4650: ANID|CBF83772.1 BCIN|XP\_001547625.1 BGRA|VDB89006.1 CFRU|XP\_031878496.1 CGLO|KAF3798599.1 CHIG|XP\_018153930.1 CVIN|KAF4930159.1 CVYL|A04847 FGRM|XP\_011324696.1 MGRA|XP\_003848495.1 MORY|QBZ60862.1 NCRA|XP\_959880.1 SSCL|APA14329.1

>Orthogroup4651: ANID|CBF83774.1 BCIN|XP\_001547624.2 BGRA|VDB89005.1 CFRU|XP\_031878491.1 CGLO|KAF3798600.1 CHIG|XP\_018153929.1 CVIN|KAF4930152.1 CVYL|A04846 FGRM|XP\_011324695.1 MLAR|XP\_007407941.1 MORY|QBZ60861.1 NCRA|XP\_959881.1 SSCL|APA14328.1

>Orthogroup4652: ANID|CBF83783.1 BCIN|XP\_001556008.1 BGRA|VCU39401.1 CFRU|XP\_031875783.1 CGLO|KAF3796922.1 CHIG|XP\_018154099.1 CVIN|KAF4912171.1 CVYL|A03412 FGRM|XP\_011325405.1 MLAR|XP\_007415615.1 MORY|QBZ60046.1 NCRA|XP\_011395141.1 SSCL|APA13934.1

>Orthogroup4653: ANID|CBF83789.1 BCIN|XP\_001547397.1 BGRA|VDB88992.1 CFRU|XP\_031882014.1 CGLO|KAF3806134.1 CHIG|XP\_018164529.1 CVIN|KAF4911021.1 CVYL|A07373 FGRM|XP\_011325621.1 MGRA|XP\_003848494.1 MORY|QBZ62276.1 NCRA|XP\_959916.1 SSCL|APA14209.1

>Orthogroup4654: ANID|CBF83792.1 BCIN|XP\_001551067.1 BGRA|VCU41286.1 CFRU|XP\_031892154.1 CGLO|KAF3801363.1 CHIG|XP\_018164757.1 CVIN|KAF4913318.1 CVYL|A07718 FGRM|XP\_011324707.1 MGRA|XP\_003848338.1 MLAR|XP\_007408793.1 NCRA|XP\_958562.1 SSCL|APA14272.1

>Orthogroup4655: ANID|CBF83820.1 BCIN|XP\_024551698.1 CFRU|XP\_031884773.1 CGLO|KAF3800966.1 CHIG|XP\_018153225.1 CVIN|KAF4913262.1 CVYL|A05939 FGRM|XP\_011321611.1 MGRA|XP\_003854761.1 MLAR|XP\_007418397.1 MORY|QBZ59419.1 NCRA|XP\_962104.3 SSCL|APA14534.1

>Orthogroup4656: ANID|CBF83837.1 BCIN|XP\_001556728.2 BGRA|VDB89268.1 CFRU|XP\_031881443.1 CGLO|KAF3800945.1 CHIG|XP\_018153213.1 CVIN|KAF4912793.1 CVYL|A05960 FGRM|XP\_011316279.1 MGRA|XP\_003854811.1 MORY|QBZ63253.1 NCRA|XP\_962136.2 SSCL|APA14531.1

>Orthogroup4657: ANID|CBF83838.1 BCIN|XP\_024547931.1 BGRA|VDB86178.1 CFRU|XP\_031882187.1 CGLO|KAF3804424.1 CHIG|XP\_018160246.1 CVIN|KAF4930885.1 CVYL|A04129 FGRM|XP\_011326885.1 MGRA|XP\_003849075.1 MORY|QBZ59054.1 NCRA|XP\_011394619.1 SSCL|APA08263.1

>Orthogroup4658: ANID|CBF83842.1 BCIN|XP\_001558553.1 BGRA|VDB95063.1 CFRU|XP\_031883290.1 CGLO|KAF3801689.1 CHIG|XP\_018159199.1 CVIN|KAF4915651.1 CVYL|A12449 FGRM|XP\_011320288.1 MGRA|XP\_003854666.1 MORY|QBZ53868.1 NCRA|XP\_960294.1 SSCL|APA14654.1

>Orthogroup4659: ANID|CBF83854.1 BCIN|XP\_024551495.1 CFRU|XP\_031885052.1 CGLO|KAF3807701.1 CHIG|XP\_018162936.1 CVIN|KAF4918864.1 CVYL|A07220 FGRM|XP\_011326248.1 MGRA|XP\_003857409.1 MLAR|XP\_007410878.1 MORY|QBZ54957.1 NCRA|XP\_957714.3 SSCL|APA10364.1

>Orthogroup4660: ANID|CBF83863.1 BCIN|XP\_024551524.1 BGRA|VCU41094.1 CFRU|XP\_031886726.1 CGLO|KAF3804080.1 CHIG|XP\_018162690.1 CVIN|KAF4919535.1 CVYL|A07040 FGRM|XP\_011326368.1 MGRA|XP\_003853332.1 MORY|QBZ55654.1 NCRA|XP\_956380.2 SSCL|APA10218.1

>Orthogroup4661: ANID|CBF83865.1 BCIN|XP\_024551502.1 CFRU|XP\_031886752.1 CGLO|KAF3804087.1 CHIG|XP\_018162681.1 CVIN|KAF4919551.1 CVYL|A07047 FGRM|XP\_011326359.1 MGRA|XP\_003852992.1 MGRA|XP\_003853054.1 MORY|QBZ55649.1 NCRA|XP\_011393742.1 SSCL|APA10348.1

>Orthogroup4662: ANID|CBF83869.1 BCIN|XP\_001545586.2 BGRA|VCU39909.1 CFRU|XP\_031884338.1 CGLO|KAF3806472.1 CHIG|XP\_018162368.1 CVIN|KAF4908642.1 CVYL|A12072 FGRM|XP\_011323915.1 MLAR|XP\_007412041.1 MORY|QBZ61586.1 NCRA|XP\_957006.1 SSCL|APA10208.1

>Orthogroup4663: ANID|CBF83874.1 BCIN|XP\_001550767.2 BGRA|VDB93583.1 CFRU|XP\_031886299.1 CGLO|KAF3806233.1 CHIG|XP\_018162069.1 CVIN|KAF4931470.1 CVYL|A11824 FGRM|XP\_011324012.1 MGRA|XP\_003857561.1 MORY|QBZ61564.1 NCRA|XP\_011393785.1 SSCL|APA15277.1

>Orthogroup4664: ANID|CBF83883.1 BCIN|XP\_001547862.1 BGRA|VCU39690.1 CFRU|XP\_031889261.1 CGLO|KAF3808841.1 CHIG|XP\_018155732.1 CVIN|KAF4909978.1 CVYL|A01240 FGRM|XP\_011319308.1 MGRA|XP\_003856259.1 MORY|QBZ58706.1 NCRA|XP\_960911.1 SSCL|APA16177.1

>Orthogroup4665: ANID|CBF83884.1 BCIN|XP\_001559367.2 BGRA|VCU38777.1 CFRU|XP\_031887027.1 CHIG|XP\_018160513.1 CVIN|KAF4927219.1 CVYL|A04444 FGRM|XP\_011324782.1 MGRA|XP\_003856417.1 MLAR|XP\_007414313.1 MORY|QBZ58026.1 NCRA|XP\_957919.2 SSCL|APA07705.1

>Orthogroup4666: ANID|CBF84036.1 BCIN|XP\_001551030.1 BGRA|VDB88993.1 CFRU|XP\_031879762.1 CGLO|KAF3798216.1 CHIG|XP\_018153941.1 CVIN|KAF4916804.1 CVYL|A04905 FGRM|XP\_011325587.1 MGRA|XP\_003848447.1 MORY|QBZ64340.1 NCRA|XP\_959481.1 SSCL|APA14286.1

>Orthogroup4667: ANID|CBF84037.1 BCIN|XP\_024547305.1 CFRU|XP\_031882030.1 CGLO|KAF3806098.1 CHIG|XP\_018164569.1 CVIN|KAF4902340.1 CVYL|A07414 FGRM|XP\_011325011.1 MGRA|XP\_003848258.1 MLAR|XP\_007416969.1 MORY|QBZ62369.1 NCRA|XP\_959961.1 SSCL|APA14276.1

>Orthogroup4668: ANID|CBF84041.1 BCIN|XP\_024547308.1 BGRA|VDB83820.1 CFRU|XP\_031892039.1 CGLO|KAF3801422.1 CHIG|XP\_018164752.1 CVIN|KAF4922336.1 CVYL|A07662 FGRM|XP\_011325614.1 MGRA|XP\_003848510.1 MORY|QBZ64384.1 NCRA|XP\_958560.2 SSCL|APA14274.1

>Orthogroup4669: ANID|CBF84051.1 BCIN|XP\_001556019.2 BGRA|VDB88773.1 CFRU|XP\_031882107.1 CGLO|KAF3806122.1 CHIG|XP\_018164541.1 CVIN|KAF4911016.1 CVYL|A07388 FGRM|XP\_011325641.1 MGRA|XP\_003851468.1 MORY|QBZ62315.1 NCRA|XP\_959634.1 SSCL|APA13940.1

>Orthogroup4670: ANID|CBF84053.1 BCIN|XP\_001556023.1 BGRA|VDB88775.1 CFRU|XP\_031876263.1 CHIG|XP\_018164674.1 CVIN|KAF4925673.1 CVYL|A07539 FGRM|XP\_011324665.1 MGRA|XP\_003851865.1 MLAR|XP\_007404787.1 MORY|QBZ62318.1 NCRA|XP\_959637.1 SSCL|APA13943.1

>Orthogroup4671: ANID|CBF84059.1 BCIN|XP\_024547110.1 BGRA|VDB92899.1 CFRU|XP\_031879729.1 CGLO|KAF3798233.1 CHIG|XP\_018154011.1 CVIN|KAF4930174.1 CVYL|A04890 FGRM|XP\_011325610.1 MLAR|XP\_007404262.1 MORY|QBZ61201.1 NCRA|XP\_959939.2 SSCL|APA14008.1

>Orthogroup4672: ANID|CBF84060.1 BCIN|XP\_024547109.1 BGRA|VDB83930.1 CFRU|XP\_031879705.1 CGLO|KAF3798201.1 CHIG|XP\_018154028.1 CVIN|KAF4916817.1 CVYL|A04918 FGRM|XP\_011325600.1 MLAR|XP\_007413962.1 MORY|QBZ61215.1 NCRA|XP\_011395248.1 SSCL|APA14007.1

>Orthogroup4673: ANID|CBF84094.1 BCIN|XP\_024546627.1 CFRU|XP\_031892385.1 CGLO|KAF3812287.1 CHIG|XP\_018153513.1 CVIN|KAF4919866.1 CVYL|A00095 FGRM|XP\_011316101.1 MGRA|XP\_003852639.1 MLAR|XP\_007410262.1 MORY|QBZ55576.1 NCRA|XP\_965135.2 SSCL|APA06465.1

>Orthogroup4674: ANID|CBF84098.1 BCIN|XP\_001557019.1 BGRA|VCU39783.1 CFRU|XP\_031878419.1 CGLO|KAF3810760.1 CHIG|XP\_018162557.1 CVIN|KAF4932081.1 CVYL|A07194 FGRM|XP\_011326315.1 MLAR|XP\_007415429.1 MORY|QBZ59709.1 NCRA|XP\_001728485.1 SSCL|APA10250.1

>Orthogroup4675: ANID|CBF84105.1 BCIN|XP\_024551378.1 BGRA|VCU41135.1 CFRU|XP\_031878388.1 CHIG|XP\_018162517.1 CVIN|KAF4932010.1 CVYL|A07151 FGRM|XP\_011326972.1 MGRA|XP\_003856459.1 MLAR|XP\_007416088.1 MORY|QBZ55672.1 NCRA|XP\_956151.3 SSCL|APA10604.1

>Orthogroup4676: ANID|CBF84110.1 BCIN|XP\_001552552.1 BGRA|VDB87630.1 CFRU|XP\_031877169.1 CGLO|KAF3806410.1 CHIG|XP\_018162293.1 CVIN|KAF4923260.1 CVYL|A12003 FGRM|XP\_011326581.1 MLAR|XP\_007415478.1 MORY|QBZ63909.1 NCRA|XP\_011393859.1 SSCL|APA10594.1

>Orthogroup4677: ANID|CBF84112.1 BCIN|XP\_024549456.1 BGRA|VDB91084.1 CFRU|XP\_031882767.1 CGLO|KAF3803453.1 CHIG|XP\_018163980.1 CVIN|KAF4926295.1 CVYL|A14381 FGRM|XP\_011326487.1 MGRA|XP\_003852570.1 MORY|QBZ63486.1 NCRA|XP\_958413.2 SSCL|APA09201.1

>Orthogroup4678: ANID|CBF84185.1 BCIN|XP\_024552699.1 BGRA|VDB87688.1 CFRU|XP\_031878011.1 CGLO|KAF3799581.1 CHIG|XP\_018154550.1 CVIN|KAF4926507.1 CVYL|A13441 FGRM|XP\_011325558.1 MGRA|XP\_003849586.1 MORY|QBZ53977.1 NCRA|XP\_011393509.1 SSCL|APA15485.1

>Orthogroup4679: ANID|CBF84196.1 BCIN|XP\_001556323.1 CFRU|XP\_031878024.1 CGLO|KAF3799592.1 CHIG|XP\_018154587.1 CVIN|KAF4926461.1 CVYL|A13453 FGRM|XP\_011318103.1 MGRA|XP\_003849288.1 MGRA|XP\_003851878.1 MLAR|XP\_007414273.1 MORY|QBZ54421.1 SSCL|APA08740.1

>Orthogroup4680: ANID|CBF84198.1 BCIN|XP\_001556312.1 BGRA|VDB88290.1 CFRU|XP\_031882590.1 CGLO|KAF3800486.1 CHIG|XP\_018152279.1 CVIN|KAF4906661.1 CVYL|A13227 FGRM|XP\_011323686.1 MGRA|XP\_003849562.1 MORY|QBZ53778.1 NCRA|XP\_956300.2 SSCL|APA15700.1

>Orthogroup4681: ANID|CBF84209.1 BCIN|XP\_024552511.1 BGRA|VDB88304.1 CFRU|XP\_031886135.1 CGLO|KAF3811966.1 CHIG|XP\_018155268.1 CVIN|KAF4930421.1 CVYL|A05537 FGRM|XP\_011324647.1 MLAR|XP\_007416960.1 MORY|QBZ54450.1 NCRA|XP\_955841.3 SSCL|APA08484.1

>Orthogroup4682: ANID|CBF84210.1 BCIN|XP\_024552510.1 BGRA|VDB88302.1 CFRU|XP\_031879415.1 CHIG|XP\_018154721.1 CVIN|KAF4918228.1 CVYL|A13567 FGRM|XP\_011315952.1 MGRA|XP\_003849538.1 MLAR|XP\_007406839.1 MORY|QBZ64858.1 NCRA|XP\_011393540.1 SSCL|APA08485.1

>Orthogroup4683: ANID|CBF84252.1 CFRU|XP\_031883083.1 CFRU|XP\_031884135.1 CGLO|KAF3800706.1 CGLO|KAF3803791.1 CHIG|XP\_018151961.1 CHIG|XP\_018163259.1 CVIN|KAF4917904.1 CVIN|KAF4919745.1 CVYL|A00498 CVYL|A14163 FGRM|XP\_011324419.1 MORY|QBZ62713.1

>Orthogroup4684: ANID|CBF84569.1 BCIN|XP\_001558937.1 BGRA|VDB93502.1 CFRU|XP\_031888341.1 CGLO|KAF3803566.1 CHIG|XP\_018164121.1 CVIN|KAF4922254.1 CVYL|A14499 FGRM|XP\_011316785.1 MGRA|XP\_003856500.1 MORY|QBZ56406.1 NCRA|XP\_964457.1 SSCL|APA05810.1

>Orthogroup4685: ANID|CBF84580.1 BCIN|XP\_001548449.1 BCIN|XP\_024549764.1 CHIG|XP\_018151638.1 CHIG|XP\_018151640.1 CHIG|XP\_018151717.1 CHIG|XP\_018152436.1 FGRM|XP\_011327631.1 SSCL|APA05706.1 SSCL|APA13733.1 SSCL|APA13798.1 SSCL|APA16060.1 SSCL|APA16062.1

>Orthogroup4686: ANID|CBF84704.1 CFRU|XP\_031879311.1 CFRU|XP\_031884358.1 CGLO|KAF3808582.1 CGLO|KAF3811041.1 CHIG|XP\_018161919.1 CVIN|KAF4905059.1 CVYL|A11563 FGRM|XP\_011318629.1 FGRM|XP\_011323515.1 MGRA|XP\_003847628.1 MORY|QBZ65930.1 NCRA|XP\_959200.2

>Orthogroup4687: ANID|CBF84741.1 BCIN|XP\_001558934.1 BGRA|VDB93631.1 CFRU|XP\_031888471.1 CGLO|KAF3803498.1 CHIG|XP\_018164028.1 CVIN|KAF4926277.1 CVYL|A14427 FGRM|XP\_011327124.1 MGRA|XP\_003857097.1 MORY|QBZ63186.1 NCRA|XP\_963978.2 SSCL|APA05807.1

>Orthogroup4688: ANID|CBF84751.1 BCIN|XP\_024547015.1 BGRA|VDB93744.1 CFRU|XP\_031877871.1 CGLO|KAF3804789.1 CHIG|XP\_018164284.1 CVIN|KAF4929812.1 CVYL|A12284 FGRM|XP\_011317036.1 MGRA|XP\_003857333.1 MORY|QBZ63565.1 NCRA|XP\_963955.1 SSCL|APA05891.1

>Orthogroup4689: ANID|CBF84767.1 BCIN|XP\_001552095.2 BGRA|VDB89217.1 CFRU|XP\_031890913.1 CGLO|KAF3801502.1 CHIG|XP\_018151931.1 CVIN|KAF4916405.1 CVYL|A12635 FGRM|XP\_011321175.1 MGRA|XP\_003857035.1 MORY|QBZ55804.1 NCRA|XP\_963570.1 SSCL|APA09819.1

>Orthogroup4690: ANID|CBF84771.1 BCIN|XP\_024548724.1 BGRA|VDB84065.1 CFRU|XP\_031890635.1 CGLO|KAF3805281.1 CHIG|XP\_018158601.1 CVIN|KAF4926007.1 CVYL|A13932 FGRM|XP\_011316642.1 MGRA|XP\_003852636.1 MORY|QBZ60501.1 NCRA|XP\_965698.2 SSCL|APA09791.1

>Orthogroup4691: ANID|CBF84775.1 BCIN|XP\_001559969.1 BGRA|VDB84036.1 CFRU|XP\_031890276.1 CHIG|XP\_018158558.1 CVIN|KAF4925540.1 CVYL|A05064 FGRM|XP\_011316613.1 MGRA|XP\_003852355.1 MLAR|XP\_007417475.1 MORY|QBZ55993.1 NCRA|XP\_965017.1 SSCL|APA09785.1

>Orthogroup4692: ANID|CBF84795.1 BCIN|XP\_001550640.1 CFRU|XP\_031886581.1 CGLO|KAF3798908.1 CHIG|XP\_018158586.1 CVIN|KAF4887219.1 CVYL|A05044 FGRM|XP\_011328439.1 MGRA|XP\_003852193.1 MLAR|XP\_007413531.1 MORY|QBZ60491.1 NCRA|XP\_011392966.1 SSCL|APA09365.1

>Orthogroup4693: ANID|CBF84799.1 BCIN|XP\_001550643.1 BGRA|VDB84099.1 CFRU|XP\_031886580.1 CGLO|KAF3798906.1 CHIG|XP\_018158589.1 CVIN|KAF4925596.1 CVYL|A05046 FGRM|XP\_011328435.1 MGRA|XP\_003852634.1 MORY|QBZ60489.1 NCRA|XP\_965702.2 SSCL|APA09363.1

>Orthogroup4694: ANID|CBF84801.1 BCIN|XP\_024548693.1 BGRA|VDB93273.1 CFRU|XP\_031884409.1 CGLO|KAF3810333.1 CHIG|XP\_018158350.1 CVIN|KAF4895357.1 CVYL|A05771 FGRM|XP\_011316479.1 MGRA|XP\_003853202.1 MORY|QBZ55159.1 NCRA|XP\_964776.1 SSCL|APA09919.1

>Orthogroup4695: ANID|CBF84808.1 BCIN|XP\_001559705.2 BGRA|VDB93242.1 CFRU|XP\_031890363.1 CHIG|XP\_018158652.1 CVIN|KAF4925950.1 CVYL|A13986 FGRM|XP\_011323376.1 MGRA|XP\_003852385.1 MLAR|XP\_007418625.1 MORY|QBZ62503.1 NCRA|XP\_964609.3 SSCL|APA09450.1

>Orthogroup4696: ANID|CBF84825.1 BCIN|XP\_001549928.1 BGRA|VDB95080.1 CFRU|XP\_031876074.1 CGLO|KAF3801984.1 CHIG|XP\_018159396.1 CVIN|KAF4919754.1 CVYL|A02415 FGRM|XP\_011320389.1 MGRA|XP\_003854334.1 MORY|QBZ63977.1 NCRA|XP\_960564.1 SSCL|APA06646.1

>Orthogroup4697: ANID|CBF84845.1 BCIN|XP\_001561397.2 BGRA|VDB91135.1 CFRU|XP\_031888235.1 CGLO|KAF3803473.1 CHIG|XP\_018164003.1 CVYL|A14403 FGRM|XP\_011326665.1 MGRA|XP\_003853253.1 MLAR|XP\_007412619.1 MORY|QBZ55346.1 NCRA|XP\_965451.2 SSCL|APA06908.1

>Orthogroup4698: ANID|CBF84870.1 BCIN|XP\_001553832.1 BGRA|VDB93544.1 CFRU|XP\_031892440.1 CGLO|KAF3812246.1 CHIG|XP\_018153461.1 CVIN|KAF4919894.1 CVYL|A00139 FGRM|XP\_011316055.1 MGRA|XP\_003856759.1 MORY|QBZ55257.1 NCRA|XP\_965162.1 SSCL|APA05900.1

>Orthogroup4699: ANID|CBF84880.1 BCIN|XP\_024552620.1 BGRA|VDB88212.1 CFRU|XP\_031891688.1 CFRU|XP\_031891689.1 CGLO|KAF3805652.1 CGLO|KAF3805653.1 CVIN|KAF4925717.1 CVIN|KAF4925718.1 CVYL|A07546 MGRA|XP\_003847758.1 MLAR|XP\_007405543.1 SSCL|APA08721.1

>Orthogroup4700: ANID|CBF84882.1 BCIN|XP\_024550325.1 BGRA|VDB85990.1 CFRU|XP\_031892411.1 CGLO|KAF3797111.1 CHIG|XP\_018157081.1 CVIN|KAF4922414.1 CVYL|A10594 FGRM|XP\_011315801.1 MLAR|XP\_007418777.1 MORY|QBZ65395.1 NCRA|XP\_964089.2 SSCL|APA10995.1

>Orthogroup4701: ANID|CBF84888.1 BCIN|XP\_024546951.1 CFRU|XP\_031892390.1 CGLO|KAF3812282.1 CHIG|XP\_018153508.1 CVIN|KAF4919883.1 CVYL|A00100 FGRM|XP\_011316095.1 MGRA|XP\_003856505.1 MLAR|XP\_007406725.1 MORY|QBZ55566.1 NCRA|XP\_958914.1 SSCL|APA05777.1

>Orthogroup4702: ANID|CBF84897.1 BCIN|XP\_001553811.1 BGRA|VDB93651.1 CFRU|XP\_031884700.1 CHIG|XP\_018153446.1 CVIN|KAF4920988.1 CVYL|A00162 FGRM|XP\_011316062.1 FGRM|XP\_011316063.1 MLAR|XP\_007415501.1 MORY|QBZ55282.1 NCRA|XP\_011393246.1 SSCL|APA05914.1

>Orthogroup4703: ANID|CBF84901.1 BCIN|XP\_001547961.1 BGRA|VDB93943.1 CFRU|XP\_031888506.1 CGLO|KAF3803533.1 CHIG|XP\_018164055.1 CVIN|KAF4922272.1 CVYL|A14464 FGRM|XP\_011316793.1 MGRA|XP\_003856534.1 MORY|QBZ62816.1 NCRA|XP\_958878.3 SSCL|APA13593.1

>Orthogroup4704: ANID|CBF84917.1 BCIN|XP\_024546312.1 BGRA|VDB90752.1 CFRU|XP\_031888452.1 CGLO|KAF3803484.1 CHIG|XP\_018164014.1 CVIN|KAF4926313.1 CVYL|A14413 FGRM|XP\_011316985.1 MGRA|XP\_003853178.1 MORY|QBZ55340.1 NCRA|XP\_965457.1 SSCL|APA06913.1

>Orthogroup4705: ANID|CBF84919.1 BCIN|XP\_001553749.1 BGRA|VDB91265.1 CFRU|XP\_031882943.1 CGLO|KAF3803380.1 CHIG|XP\_018163950.1 CVIN|KAF4918426.1 CVYL|A14307 FGRM|XP\_011324171.1 MGRA|XP\_003856521.1 MLAR|XP\_007416456.1 NCRA|XP\_965151.1 SSCL|APA06131.1

>Orthogroup4706: ANID|CBF84921.1 BCIN|XP\_024547061.1 BGRA|VDB93751.1 CFRU|XP\_031882823.1 CGLO|KAF3803385.1 CHIG|XP\_018163947.1 CVIN|KAF4918446.1 CVYL|A14314 FGRM|XP\_011316138.1 MGRA|XP\_003857155.1 MORY|QBZ56019.1 NCRA|XP\_011393320.1 SSCL|APA06128.1

>Orthogroup4707: ANID|CBF84934.1 BCIN|XP\_024546323.1 CFRU|XP\_031882908.1 CGLO|KAF3812075.1 CHIG|XP\_018164089.1 CVIN|KAF4923674.1 CVYL|A14251 FGRM|XP\_011326755.1 MGRA|XP\_003853159.1 MLAR|XP\_007410725.1 MORY|QBZ62744.1 NCRA|XP\_964208.1 SSCL|APA06900.1

>Orthogroup4708: ANID|CBF84941.1 BCIN|XP\_001558911.1 CFRU|XP\_031887905.1 CGLO|KAF3802315.1 CHIG|XP\_018154418.1 CVIN|KAF4891979.1 CVYL|A10840 FGRM|XP\_011319748.1 FGRM|XP\_011325748.1 MGRA|XP\_003857132.1 MORY|QBZ65816.1 NCRA|XP\_965531.3 SSCL|APA05798.1

>Orthogroup4709: ANID|CBF84950.1 BCIN|XP\_024551417.1 CFRU|XP\_031882476.1 CGLO|KAF3809413.1 CHIG|XP\_018156253.1 CVIN|KAF4916328.1 CVYL|A03085 FGRM|XP\_011319125.1 MGRA|XP\_003848336.1 MLAR|XP\_007403806.1 MORY|QBZ56936.1 NCRA|XP\_955860.2 SSCL|APA10664.1

>Orthogroup4710: ANID|CBF84956.1 BCIN|XP\_024553242.1 CFRU|XP\_031892723.1 CGLO|KAF3812256.1 CHIG|XP\_018153481.1 CVIN|KAF4919933.1 CVYL|A00131 FGRM|XP\_011316313.1 MGRA|XP\_003856502.1 MLAR|XP\_007409718.1 MORY|QBZ55266.1 NCRA|XP\_964371.2 SSCL|APA13603.1

>Orthogroup4711: ANID|CBF84958.1 BCIN|XP\_024553241.1 CFRU|XP\_031884823.1 CGLO|KAF3812230.1 CHIG|XP\_018153479.1 CVIN|KAF4919900.1 CVYL|A00156 FGRM|XP\_011316946.1 MGRA|XP\_003856840.1 MLAR|XP\_007415799.1 MORY|QBZ55246.1 NCRA|XP\_963740.1 SSCL|APA13604.1

>Orthogroup4712: ANID|CBF84970.1 BCIN|XP\_024551480.1 BGRA|VCU41085.1 CFRU|XP\_031878389.1 CHIG|XP\_018162521.1 CVIN|KAF4932149.1 CVYL|A07158 FGRM|XP\_011326301.1 MGRA|XP\_003853050.1 MLAR|XP\_007417943.1 MORY|QBZ59693.1 NCRA|XP\_957697.3 SSCL|APA10406.1

>Orthogroup4713: ANID|CBF84976.1 BCIN|XP\_001545794.1 BGRA|VDB83893.1 CFRU|XP\_031886679.1 CGLO|KAF3807494.1 CHIG|XP\_018158740.1 CVIN|KAF4917526.1 CVYL|A05016 FGRM|XP\_011328342.1 MGRA|XP\_003853269.1 MORY|QBZ60410.1 NCRA|XP\_011393118.1 SSCL|APA09564.1

>Orthogroup4714: ANID|CBF84984.1 BCIN|XP\_024548988.1 BGRA|VDB84064.1 CFRU|XP\_031884593.1 CGLO|KAF3799048.1 CHIG|XP\_018158206.1 CVIN|KAF4918251.1 CVYL|A11482 FGRM|XP\_011316468.1 MLAR|XP\_007410218.1 MORY|QBZ55128.1 NCRA|XP\_958646.1 SSCL|APA09359.1

>Orthogroup4715: ANID|CBF84993.1 BCIN|XP\_024551185.1 BGRA|VCU39516.1 CFRU|XP\_031893497.1 CGLO|KAF3797485.1 CHIG|XP\_018152382.1 CVIN|KAF4898438.1 CVYL|A09484 FGRM|XP\_011317727.1 MGRA|XP\_003853081.1 MORY|QBZ54473.1 NCRA|XP\_961475.2 SSCL|APA10160.1

>Orthogroup4716: ANID|CBF85000.1 BCIN|XP\_024548556.1 BGRA|VDB83889.1 CFRU|XP\_031886676.1 CGLO|KAF3807496.1 CHIG|XP\_018158736.1 CVIN|KAF4917528.1 CVYL|A05018 FGRM|XP\_011328339.1 MGRA|XP\_003851341.1 MORY|QBZ60355.1 NCRA|XP\_001728557.1 SSCL|APA10060.1

>Orthogroup4717: ANID|CBF85009.1 BCIN|XP\_024548798.1 BGRA|VDB93253.1 CFRU|XP\_031890364.1 CGLO|KAF3806684.1 CHIG|XP\_018158653.1 CVIN|KAF4925951.1 CVYL|A13987 FGRM|XP\_011323377.1 MGRA|XP\_003852661.1 MORY|QBZ62565.1 NCRA|XP\_964598.1 SSCL|APA09654.1

>Orthogroup4718: ANID|CBF85011.1 BCIN|XP\_001550379.1 BGRA|VCU40220.1 CFRU|XP\_031890358.1 CGLO|KAF3806686.1 CHIG|XP\_018158655.1 CVIN|KAF4925953.1 CVYL|A13990 FGRM|XP\_011323380.1 MGRA|XP\_003852214.1 MORY|QBZ62567.1 NCRA|XP\_964601.1 SSCL|APA10066.1

>Orthogroup4719: ANID|CBF85020.1 BCIN|XP\_001559689.1 BGRA|VCU40237.1 CFRU|XP\_031886796.1 CGLO|KAF3806771.1 CHIG|XP\_018158777.1 CVIN|KAF4905663.1 CVYL|A04984 FGRM|XP\_011316375.1 MGRA|XP\_003847124.1 MGRA|XP\_003852434.1 NCRA|XP\_964982.3 SSCL|APA09447.1

>Orthogroup4720: ANID|CBF85035.1 BCIN|XP\_001553766.1 BGRA|VDB93710.1 CFRU|XP\_031890532.1 CGLO|KAF3804859.1 CHIG|XP\_018164391.1 CVIN|KAF4921149.1 CVYL|A12214 FGRM|XP\_011316305.1 MGRA|XP\_003856633.1 MORY|QBZ55292.1 NCRA|XP\_964694.1 SSCL|APA06116.1

>Orthogroup4721: ANID|CBF85044.1 BCIN|XP\_024553239.1 BGRA|VDB93661.1 CFRU|XP\_031892642.1 CGLO|KAF3812268.1 CHIG|XP\_018153491.1 CVIN|KAF4919912.1 CVYL|A00117 FGRM|XP\_011324159.1 MLAR|XP\_007403601.1 MORY|QBZ55270.1 NCRA|XP\_965158.1 SSCL|APA13606.1

>Orthogroup4722: ANID|CBF85050.1 BCIN|XP\_024553244.1 CFRU|XP\_031892641.1 CGLO|KAF3812269.1 CHIG|XP\_018153492.1 CVIN|KAF4919913.1 CVYL|A00116 FGRM|XP\_011324158.1 MGRA|XP\_003857190.1 MLAR|XP\_007415512.1 MORY|QBZ55269.1 NCRA|XP\_965157.3 SSCL|APA13597.1

>Orthogroup4723: ANID|CBF85064.1 BCIN|XP\_001553743.1 BGRA|VDB93672.1 CFRU|XP\_031882790.1 CGLO|KAF3812087.1 CHIG|XP\_018164157.1 CVIN|KAF4923715.1 CVYL|A14265 FGRM|XP\_011316189.1 MGRA|XP\_003856524.1 MORY|QBZ55555.1 NCRA|XP\_964303.1 SSCL|APA06134.1

>Orthogroup4724: ANID|CBF85084.1 BCIN|XP\_024548822.1 BGRA|VDB84071.1 CFRU|XP\_031886716.1 CGLO|KAF3798905.1 CHIG|XP\_018158590.1 CVIN|KAF4925568.1 CVYL|A05047 FGRM|XP\_011328455.1 MLAR|XP\_007416925.1 MORY|QBZ60488.1 NCRA|XP\_011392970.1 SSCL|APA09622.1

>Orthogroup4725: ANID|CBF85093.1 BCIN|XP\_001545950.2 BGRA|VDB91131.1 CFRU|XP\_031890401.1 CGLO|KAF3804805.1 CHIG|XP\_018164300.1 CVIN|KAF4929750.1 CVYL|A12267 FGRM|XP\_011317027.1 MGRA|XP\_003852459.1 MORY|QBZ63585.1 NCRA|XP\_963920.1 SSCL|APA07044.1

>Orthogroup4726: ANID|CBF85104.1 BCIN|XP\_024548563.1 CFRU|XP\_031890019.1 CGLO|KAF3802884.1 CHIG|XP\_018158496.1 CVIN|KAF4913024.1 CVYL|A05129 FGRM|XP\_011316413.1 MGRA|XP\_003852462.1 MLAR|XP\_007410124.1 MORY|QBZ55407.1 NCRA|XP\_963820.2 SSCL|APA10049.1

>Orthogroup4727: ANID|CBF85107.1 BCIN|XP\_024548561.1 BGRA|VDB84112.1 CFRU|XP\_031876047.1 CGLO|KAF3805238.1 CHIG|XP\_018158836.1 CVIN|KAF4918678.1 CVYL|A13885 FGRM|XP\_011317208.1 MLAR|XP\_007405149.1 MORY|QBZ62494.1 NCRA|XP\_964105.1 SSCL|APA10051.1

>Orthogroup4728: ANID|CBF85210.1 ANID|CBF86831.1 BCIN|XP\_024551726.1 CFRU|XP\_031881508.1 CGLO|KAF3805736.1 CHIG|XP\_018163645.1 CVIN|KAF4926602.1 CVYL|A09808 FGRM|XP\_011316733.1 MGRA|XP\_003853976.1 MORY|QBZ54162.1 NCRA|XP\_011394100.1 SSCL|APA14577.1

>Orthogroup4729: ANID|CBF85234.1 BCIN|XP\_024549444.1 CFRU|XP\_031889382.1 CFRU|XP\_031891504.1 CGLO|KAF3804652.1 CGLO|KAF3808753.1 CVIN|KAF4906974.1 CVIN|KAF4913903.1 CVYL|A00908 CVYL|A05233 FGRM|XP\_011317631.1 MGRA|XP\_003849926.1 SSCL|APA09217.1

>Orthogroup4730: ANID|CBF85260.1 BCIN|XP\_024549581.1 BGRA|VCU40045.1 CFRU|XP\_031886481.1 CGLO|KAF3805312.1 CHIG|XP\_018162041.1 CVIN|KAF4931541.1 CVYL|A11749 FGRM|XP\_011324096.1 MGRA|XP\_003850609.1 MORY|QBZ61420.1 NCRA|XP\_956411.2 SSCL|APA13968.1

>Orthogroup4731: ANID|CBF85262.1 BCIN|XP\_024549128.1 BGRA|VDB92565.1 CFRU|XP\_031879619.1 CGLO|KAF3802712.1 CHIG|XP\_018151496.1 CVIN|KAF4894055.1 CVYL|A08039 FGRM|XP\_011327261.1 MGRA|XP\_003853097.1 MORY|QBZ56880.1 NCRA|XP\_959661.2 SSCL|APA08832.1

>Orthogroup4732: ANID|CBF85265.1 BCIN|XP\_001549919.2 BGRA|VDB90833.1 CFRU|XP\_031890502.1 CGLO|KAF3804829.1 CHIG|XP\_018164309.1 CVIN|KAF4929774.1 CVYL|A12245 FGRM|XP\_011317019.1 MGRA|XP\_003850583.1 MORY|QBZ63564.1 NCRA|XP\_001728367.2 SSCL|APA06654.1

>Orthogroup4733: ANID|CBF85273.1 BCIN|XP\_024546634.1 BGRA|VDB90630.1 CFRU|XP\_031888290.1 CGLO|KAF3803712.1 CHIG|XP\_018163738.1 CVIN|KAF4928580.1 CVYL|A14645 FGRM|XP\_011316845.1 MGRA|XP\_003850651.1 MORY|QBZ59739.1 NCRA|XP\_965651.2 SSCL|APA06468.1

>Orthogroup4734: ANID|CBF85299.1 BCIN|XP\_024546291.1 BGRA|VDB90927.1 CFRU|XP\_031888274.1 CGLO|KAF3803512.1 CHIG|XP\_018164043.1 CVIN|KAF4908037.1 CVYL|A14442 FGRM|XP\_011326528.1 MGRA|XP\_003850646.1 MORY|QBZ62802.1 NCRA|XP\_965444.2 SSCL|APA06934.1

>Orthogroup4735: ANID|CBF85303.1 BCIN|XP\_001561220.1 BGRA|VCU39897.1 CFRU|XP\_031889773.1 CGLO|KAF3805222.1 CHIG|XP\_018158850.1 CVIN|KAF4911355.1 CVYL|A13870 FGRM|XP\_011317296.1 MGRA|XP\_003856274.1 MORY|QBZ60343.1 NCRA|XP\_963940.1 SSCL|APA07177.1

>Orthogroup4736: ANID|CBF85318.1 BCIN|XP\_024546427.1 BGRA|VCU40695.1 CFRU|XP\_031876042.1 CGLO|KAF3805242.1 CHIG|XP\_018158832.1 CVIN|KAF4918661.1 CVYL|A13890 FGRM|XP\_011317319.1 MGRA|XP\_003853442.1 MORY|QBZ60347.1 NCRA|XP\_963945.1 SSCL|APA07110.1

>Orthogroup4737: ANID|CBF85321.1 BCIN|XP\_001560266.1 BGRA|VDB92537.1 CFRU|XP\_031889784.1 CGLO|KAF3810453.1 CHIG|XP\_018151469.1 CVIN|KAF4924651.1 CVYL|A13967 FGRM|XP\_011327291.1 MGRA|XP\_003852137.1 MLAR|XP\_007408115.1 NCRA|XP\_958594.1 SSCL|APA08855.1

>Orthogroup4738: ANID|CBF85329.1 BCIN|XP\_001560435.1 BGRA|VDB92513.1 CFRU|XP\_031889750.1 CHIG|XP\_018159148.1 CVIN|KAF4924669.1 CVYL|A14074 FGRM|XP\_011317182.1 MGRA|XP\_003852693.1 MLAR|XP\_007418627.1 MORY|QBZ56378.1 NCRA|XP\_965677.1 SSCL|APA08756.1

>Orthogroup4739: ANID|CBF85331.1 BCIN|XP\_001560434.1 BGRA|VDB92515.1 CFRU|XP\_031889546.1 CGLO|KAF3810474.1 CHIG|XP\_018159147.1 CVIN|KAF4924668.1 CVYL|A14075 FGRM|XP\_011317183.1 MGRA|XP\_003852130.1 MORY|QBZ56379.1 NCRA|XP\_965676.1 SSCL|APA08757.1

>Orthogroup4740: ANID|CBF85334.1 BCIN|XP\_001553535.1 BGRA|VCU39889.1 CFRU|XP\_031889571.1 CGLO|KAF3805866.1 CHIG|XP\_018158876.1 CVIN|KAF4907178.1 CVYL|A13848 FGRM|XP\_011316381.1 MGRA|XP\_003853437.1 MORY|QBZ60512.1 NCRA|XP\_964992.1 SSCL|APA06812.1

>Orthogroup4741: ANID|CBF85341.1 BCIN|XP\_001561221.1 BGRA|VDB91231.1 CFRU|XP\_031889793.1 CGLO|KAF3805221.1 CVIN|KAF4911348.1 CVYL|A13869 FGRM|XP\_011317295.1 MGRA|XP\_003856271.1 MLAR|XP\_007415425.1 MORY|QBZ60344.1 NCRA|XP\_963941.1 SSCL|APA07178.1

>Orthogroup4742: ANID|CBF85358.1 BCIN|XP\_001561211.1 BGRA|VDB90329.1 CFRU|XP\_031889755.1 CGLO|KAF3810467.1 CHIG|XP\_018159188.1 CVIN|KAF4924664.1 CVYL|A14068 FGRM|XP\_011317179.1 MGRA|XP\_003853571.1 MORY|QBZ60524.1 NCRA|XP\_963987.2 SSCL|APA07173.1

>Orthogroup4743: ANID|CBF85360.1 BCIN|XP\_001560989.1 CFRU|XP\_031886801.1 CGLO|KAF3807487.1 CHIG|XP\_018158748.1 CVIN|KAF4907616.1 CVYL|A05009 FGRM|XP\_011328346.1 MGRA|XP\_003857362.1 MLAR|XP\_007404782.1 MORY|QBZ60414.1 NCRA|XP\_001728372.1 SSCL|APA06695.1

>Orthogroup4744: ANID|CBF85371.1 BCIN|XP\_001559406.1 BCIN|XP\_024549016.1 CFRU|XP\_031885179.1 CGLO|KAF3807665.1 CHIG|XP\_018162887.1 CVIN|KAF4927763.1 CVYL|A06764 FGRM|XP\_011326275.1 MORY|QBZ59162.1 MORY|QBZ59338.1 NCRA|XP\_011393816.1 SSCL|APA07673.1

>Orthogroup4745: ANID|CBF85380.1 BCIN|XP\_024546533.1 BGRA|VCU40808.1 CFRU|XP\_031879516.1 CGLO|KAF3802683.1 CHIG|XP\_018159164.1 CVIN|KAF4920445.1 CVYL|A08007 FGRM|XP\_011327316.1 MLAR|XP\_007415344.1 MORY|QBZ57805.1 NCRA|XP\_011395221.1 SSCL|APA06709.1

>Orthogroup4746: ANID|CBF85392.1 BCIN|XP\_001548029.1 BGRA|VDB83915.1 CFRU|XP\_031878537.1 CGLO|KAF3798606.1 CHIG|XP\_018153947.1 CVIN|KAF4930106.1 CVYL|A04840 FGRM|XP\_011325612.1 MGRA|XP\_003852158.1 MORY|QBZ60734.1 NCRA|XP\_959931.1 SSCL|APA14233.1

>Orthogroup4747: ANID|CBF85396.1 BCIN|XP\_001556537.1 BGRA|VCU40825.1 CFRU|XP\_031889785.1 CGLO|KAF3810449.1 CHIG|XP\_018151471.1 CVIN|KAF4924648.1 CVYL|A13911 FGRM|XP\_011327302.1 MGRA|XP\_003853002.1 MORY|QBZ56883.1 NCRA|XP\_011395229.1 SSCL|APA06805.1

>Orthogroup4748: ANID|CBF85411.1 BCIN|XP\_001560335.1 BGRA|VDB92559.1 CFRU|XP\_031890443.1 CGLO|KAF3805297.1 CHIG|XP\_018158614.1 CVIN|KAF4925971.1 CVYL|A13949 FGRM|XP\_011316453.1 MLAR|XP\_007407660.1 MORY|QBZ62595.1 NCRA|XP\_965416.1 SSCL|APA08814.1

>Orthogroup4749: ANID|CBF85418.1 BCIN|XP\_001560993.2 BGRA|VDB92857.1 CFRU|XP\_031879630.1 CGLO|KAF3802678.1 CHIG|XP\_018159161.1 CVIN|KAF4920401.1 CVYL|A08059 FGRM|XP\_011327334.1 MGRA|XP\_003852157.1 MORY|QBZ58639.1 NCRA|XP\_958750.1 SSCL|APA06692.1

>Orthogroup4750: ANID|CBF85464.1 BCIN|XP\_024552478.1 BGRA|VCU39384.1 CFRU|XP\_031885702.1 CHIG|XP\_018157840.1 CVIN|KAF4929138.1 CVYL|A02813 FGRM|XP\_011320310.1 MGRA|XP\_003857458.1 MLAR|XP\_007416834.1 MORY|QBZ61302.1 NCRA|XP\_957602.1 SSCL|APA08531.1

>Orthogroup4751: ANID|CBF85484.1 BCIN|XP\_001557074.1 BGRA|VDB86301.1 CFRU|XP\_031879929.1 CHIG|XP\_018152923.1 CVIN|KAF4895115.1 CVYL|A07935 FGRM|XP\_011328247.1 MGRA|XP\_003856344.1 MLAR|XP\_007406339.1 MORY|QBZ56057.1 NCRA|XP\_957634.1 SSCL|APA08522.1

>Orthogroup4752: ANID|CBF85487.1 ANID|CBF87955.1 ANID|CBF90025.1 BCIN|XP\_024551554.1 BGRA|VDB92629.1 CFRU|XP\_031890496.1 CHIG|XP\_018164468.1 CVIN|KAF4910223.1 FGRM|XP\_011317117.1 MGRA|XP\_003856730.1 MORY|QBZ61477.1 NCRA|XP\_958620.2 SSCL|APA14924.1

>Orthogroup4753: ANID|CBF85514.1 BCIN|XP\_024553596.1 BGRA|VDB89552.1 CFRU|XP\_031889334.1 CGLO|KAF3797664.1 CHIG|XP\_018155438.1 CVIN|KAF4919368.1 CVYL|A01106 FGRM|XP\_011323877.1 MGRA|XP\_003857322.1 MORY|QBZ57705.1 NCRA|XP\_958794.1 SSCL|APA08447.1

>Orthogroup4754: ANID|CBF85525.1 BCIN|XP\_001554765.1 CFRU|XP\_031890916.1 CGLO|KAF3801585.1 CHIG|XP\_018151341.1 CVIN|KAF4922731.1 CVYL|A12550 FGRM|XP\_011320132.1 MGRA|XP\_003853438.1 MLAR|XP\_007407241.1 MORY|QBZ59266.1 NCRA|XP\_960359.3 SSCL|APA15493.1

>Orthogroup4755: ANID|CBF85529.1 BCIN|XP\_024552505.1 BGRA|VDB87657.1 CFRU|XP\_031891009.1 CGLO|KAF3801648.1 CHIG|XP\_018151416.1 CVIN|KAF4921211.1 CVYL|A12488 FGRM|XP\_011328186.1 MLAR|XP\_007407552.1 MORY|QBZ64400.1 NCRA|XP\_957683.3 SSCL|APA08494.1

>Orthogroup4756: ANID|CBF85582.1 BCIN|XP\_024547041.1 CFRU|XP\_031890499.1 CGLO|KAF3804832.1 CHIG|XP\_018164329.1 CVIN|KAF4929787.1 CVYL|A12241 FGRM|XP\_011324156.1 MGRA|XP\_003856337.1 MLAR|XP\_007405738.1 MORY|QBZ62770.1 NCRA|XP\_965275.1 SSCL|APA06111.1

>Orthogroup4757: ANID|CBF85589.1 BCIN|XP\_024550348.1 CFRU|XP\_031891496.1 CGLO|KAF3804538.1 CHIG|XP\_018160395.1 CVIN|KAF4924543.1 CVYL|A04256 FGRM|XP\_011326705.1 MGRA|XP\_003849097.1 MLAR|XP\_007406445.1 MORY|QBZ64723.1 NCRA|XP\_961124.2 SSCL|APA11031.1

>Orthogroup4758: ANID|CBF85695.1 BCIN|XP\_024553680.1 CFRU|XP\_031886556.1 CGLO|KAF3804039.1 CHIG|XP\_018162711.1 CVIN|KAF4927628.1 CVYL|A06993 FGRM|XP\_011326371.1 MGRA|XP\_003854180.1 MLAR|XP\_007403557.1 MORY|QBZ59551.1 NCRA|XP\_011393883.1 SSCL|APA15058.1

>Orthogroup4759: ANID|CBF85706.1 BCIN|XP\_001552157.1 BGRA|VCU39424.1 BGRA|VCU39437.1 CFRU|XP\_031886669.1 CGLO|KAF3804031.1 CHIG|XP\_018162738.1 CVIN|KAF4927588.1 CVYL|A06984 FGRM|XP\_011326381.1 MORY|QBZ59537.1 NCRA|XP\_957830.1 SSCL|APA05270.1

>Orthogroup4760: ANID|CBF85708.1 BCIN|XP\_001552156.1 BGRA|VDB96352.1 CFRU|XP\_031886665.1 CGLO|KAF3804032.1 CHIG|XP\_018162736.1 CVIN|KAF4927589.1 CVYL|A06985 FGRM|XP\_011326382.1 MGRA|XP\_003854392.1 MORY|QBZ59538.1 NCRA|XP\_957831.1 SSCL|APA05269.1

>Orthogroup4761: ANID|CBF85710.1 BCIN|XP\_024549921.1 BGRA|VDB96351.1 CFRU|XP\_031886664.1 CGLO|KAF3804033.1 CHIG|XP\_018162735.1 CVIN|KAF4927590.1 CVYL|A06986 FGRM|XP\_011326383.1 MGRA|XP\_003854088.1 MORY|QBZ59539.1 NCRA|XP\_957832.1 SSCL|APA05268.1

>Orthogroup4762: ANID|CBF85729.1 BCIN|XP\_001553946.1 BGRA|VDB94844.1 CFRU|XP\_031891565.1 CGLO|KAF3804682.1 CHIG|XP\_018161756.1 CVIN|KAF4898355.1 CVYL|A05201 FGRM|XP\_011321540.1 MGRA|XP\_003853379.1 MORY|QBZ59567.1 NCRA|XP\_956773.1 SSCL|APA11075.1

>Orthogroup4763: ANID|CBF85746.1 BCIN|XP\_024552514.1 BGRA|VCU39385.1 CFRU|XP\_031875677.1 CGLO|KAF3797654.1 CHIG|XP\_018155428.1 CVIN|KAF4919381.1 CVYL|A01116 FGRM|XP\_011318136.1 MGRA|XP\_003853441.1 MORY|QBZ58640.1 NCRA|XP\_960306.1 SSCL|APA08481.1

>Orthogroup4764: ANID|CBF85795.1 BCIN|XP\_024552559.1 CFRU|XP\_031885610.1 CGLO|KAF3810088.1 CHIG|XP\_018157903.1 CVIN|KAF4891966.1 CVYL|A02682 FGRM|XP\_011328260.1 MGRA|XP\_003852879.1 MLAR|XP\_007412733.1 MORY|QBZ53905.1 NCRA|XP\_956565.3 SSCL|APA08660.1

>Orthogroup4765: ANID|CBF85799.1 BCIN|XP\_001546874.2 BGRA|VDB87779.1 CFRU|XP\_031891013.1 CGLO|KAF3801642.1 CHIG|XP\_018151409.1 CVIN|KAF4921217.1 CVYL|A12494 FGRM|XP\_011328337.1 MGRA|XP\_003853452.1 MORY|QBZ62414.1 NCRA|XP\_956075.1 SSCL|APA08587.1

>Orthogroup4766: ANID|CBF85801.1 BCIN|XP\_024553619.1 BGRA|VDB87765.1 CFRU|XP\_031891012.1 CGLO|KAF3801643.1 CHIG|XP\_018151410.1 CVIN|KAF4921216.1 CVYL|A12493 FGRM|XP\_011328180.1 MGRA|XP\_003852956.1 MORY|QBZ62413.1 NCRA|XP\_956076.1 SSCL|APA08586.1

>Orthogroup4767: ANID|CBF85803.1 BCIN|XP\_001547045.2 BGRA|VDB95261.1 CFRU|XP\_031885677.1 CHIG|XP\_018157838.1 CVIN|KAF4929140.1 CVYL|A02811 FGRM|XP\_011320311.1 MGRA|XP\_003857465.1 MLAR|XP\_007406467.1 MORY|QBZ61303.1 NCRA|XP\_957603.1 SSCL|APA15542.1

>Orthogroup4768: ANID|CBF85817.1 BCIN|XP\_001557037.1 BGRA|VDB91349.1 CFRU|XP\_031885671.1 CGLO|KAF3810239.1 CHIG|XP\_018157877.1 CVIN|KAF4910787.1 CVYL|A02839 FGRM|XP\_011325089.1 MGRA|XP\_003856372.1 MORY|QBZ64393.1 NCRA|XP\_957690.1 SSCL|APA08496.1

>Orthogroup4769: ANID|CBF85821.1 BCIN|XP\_001555237.1 BGRA|VDB87680.1 CFRU|XP\_031885730.1 CGLO|KAF3810195.1 CHIG|XP\_018157817.1 CVIN|KAF4929130.1 CVYL|A02791 FGRM|XP\_011320313.1 MLAR|XP\_007417593.1 MORY|QBZ62140.1 NCRA|XP\_957607.1 SSCL|APA08677.1

>Orthogroup4770: ANID|CBF85823.1 BCIN|XP\_024552634.1 BGRA|VDB87904.1 CFRU|XP\_031883376.1 CGLO|KAF3801725.1 CHIG|XP\_018159242.1 CVIN|KAF4922942.1 CVYL|A12976 FGRM|XP\_011320402.1 MGRA|XP\_003849377.1 MGRA|XP\_003853296.1 NCRA|XP\_011395027.1 SSCL|APA08693.1

>Orthogroup4771: ANID|CBF85834.1 BCIN|XP\_001557050.1 CFRU|XP\_031885860.1 CHIG|XP\_018157846.1 CVIN|KAF4929189.1 CVYL|A02818 FGRM|XP\_011320325.1 MGRA|XP\_003852961.1 MLAR|XP\_007409912.1 MLAR|XP\_007418305.1 MORY|QBZ61295.1 NCRA|XP\_957612.2 SSCL|APA08504.1

>Orthogroup4772: ANID|CBF85835.1 BCIN|XP\_024552573.1 BGRA|VDB87848.1 CFRU|XP\_031883368.1 CGLO|KAF3801700.1 CHIG|XP\_018159206.1 CVIN|KAF4915631.1 CVYL|A12998 FGRM|XP\_011320384.1 MLAR|XP\_007410720.1 MORY|QBZ57318.1 NCRA|XP\_960389.1 SSCL|APA15635.1

>Orthogroup4773: ANID|CBF85840.1 BCIN|XP\_001547337.2 BGRA|VDB87840.1 CFRU|XP\_031883367.1 CGLO|KAF3801699.1 CHIG|XP\_018159204.1 CVIN|KAF4915628.1 CVYL|A12999 FGRM|XP\_011320385.1 MGRA|XP\_003853450.1 MORY|QBZ62258.1 NCRA|XP\_960386.3 SSCL|APA15634.1

>Orthogroup4774: ANID|CBF85848.1 BCIN|XP\_001556392.2 BGRA|VDB88208.1 CFRU|XP\_031885675.1 CGLO|KAF3810227.1 CHIG|XP\_018157889.1 CVIN|KAF4929091.1 CVYL|A02826 FGRM|XP\_011328220.1 MGRA|XP\_003853344.1 MORY|QBZ59265.1 NCRA|XP\_957529.1 SSCL|APA08698.1

>Orthogroup4775: ANID|CBF85853.1 BCIN|XP\_001548202.2 BGRA|VDB88242.1 CFRU|XP\_031886272.1 CGLO|KAF3806196.1 CHIG|XP\_018162183.1 CVIN|KAF4931500.1 CVYL|A11783 FGRM|XP\_011326723.1 MGRA|XP\_003853389.1 MORY|QBZ63145.1 NCRA|XP\_957750.1 SSCL|APA15580.1

>Orthogroup4776: ANID|CBF85863.1 BCIN|XP\_024552899.1 BGRA|VDB93028.1 CFRU|XP\_031882388.1 CGLO|KAF3807621.1 CHIG|XP\_018156310.1 CVIN|KAF4921386.1 CVYL|A03130 FGRM|XP\_011318974.1 MGRA|XP\_003857509.1 MORY|QBZ54555.1 NCRA|XP\_959204.2 SSCL|APA16064.1

>Orthogroup4777: ANID|CBF85877.1 BCIN|XP\_024548283.1 BGRA|VDB93186.1 CFRU|XP\_031887247.1 CGLO|KAF3809288.1 CHIG|XP\_018156124.1 CVIN|KAF4921073.1 CVYL|A01483 FGRM|XP\_011318887.1 MGRA|XP\_003856016.1 MORY|QBZ57100.1 NCRA|XP\_011394641.1 SSCL|APA12529.1

>Orthogroup4778: ANID|CBF85879.1 BCIN|XP\_001550098.2 BGRA|VCU41172.1 CFRU|XP\_031881807.1 CHIG|XP\_018152002.1 CVIN|KAF4922036.1 CVYL|A13036 FGRM|XP\_011321260.1 MGRA|XP\_003857625.1 MLAR|XP\_007418872.1 MORY|QBZ61271.1 NCRA|XP\_958928.1 SSCL|APA16036.1

>Orthogroup4779: ANID|CBF85888.1 BCIN|XP\_001557718.1 BGRA|VDB93211.1 CFRU|XP\_031882365.1 CGLO|KAF3807590.1 CHIG|XP\_018156344.1 CVIN|KAF4928952.1 CVYL|A02892 FGRM|XP\_011318867.1 MLAR|XP\_007406823.1 MORY|QBZ57400.1 NCRA|XP\_957565.3 SSCL|APA12213.1

>Orthogroup4780: ANID|CBF85894.1 BCIN|XP\_024548262.1 BGRA|VDB93192.1 CFRU|XP\_031887278.1 CGLO|KAF3809196.1 CHIG|XP\_018156022.1 CVIN|KAF4925315.1 CVYL|A01385 FGRM|XP\_011319116.1 MGRA|XP\_003855370.1 MORY|QBZ62507.1 NCRA|XP\_960584.1 SSCL|APA12511.1

>Orthogroup4781: ANID|CBF85898.1 BCIN|XP\_024547844.1 BGRA|VDB90379.1 CFRU|XP\_031876478.1 CGLO|KAF3798006.1 CHIG|XP\_018158065.1 CVIN|KAF4905645.1 CVYL|A08348 MGRA|XP\_003853969.1 MLAR|XP\_007416951.1 MORY|QBZ62656.1 NCRA|XP\_958578.2 SSCL|APA08158.1

>Orthogroup4782: ANID|CBF85907.1 BCIN|XP\_001557655.1 CFRU|XP\_031881247.1 CGLO|KAF3802493.1 CHIG|XP\_018154799.1 CVIN|KAF4919024.1 CVYL|A02085 FGRM|XP\_011316326.1 MGRA|XP\_003852989.1 MLAR|XP\_007412032.1 MORY|QBZ60984.1 NCRA|XP\_011393620.1 SSCL|APA12246.1

>Orthogroup4783: ANID|CBF85910.1 BCIN|XP\_024548423.1 BGRA|VDB93009.1 CFRU|XP\_031881245.1 CGLO|KAF3802495.1 CHIG|XP\_018154801.1 CVIN|KAF4918984.1 CVYL|A02087 FGRM|XP\_011316325.1 MGRA|XP\_003857505.1 MORY|QBZ60965.1 NCRA|XP\_963430.3 SSCL|APA12274.1

>Orthogroup4784: ANID|CBF85916.1 BCIN|XP\_024553014.1 BGRA|VCU39709.1 CFRU|XP\_031885475.1 CGLO|KAF3799485.1 CHIG|XP\_018154470.1 CVIN|KAF4931877.1 CVYL|A13347 FGRM|XP\_011321194.1 MGRA|XP\_003856439.1 MORY|QBZ57261.1 NCRA|XP\_963534.2 SSCL|APA16197.1

>Orthogroup4785: ANID|CBF85918.1 BCIN|XP\_001548164.1 BGRA|VDB93051.1 CFRU|XP\_031881720.1 CGLO|KAF3800694.1 CHIG|XP\_018157658.1 CVIN|KAF4922007.1 CVYL|A13025 FGRM|XP\_011325664.1 MLAR|XP\_007418042.1 MORY|QBZ61257.1 NCRA|XP\_963282.1 SSCL|APA12729.1

>Orthogroup4786: ANID|CBF85925.1 BCIN|XP\_001545811.1 BGRA|VCU39715.1 CFRU|XP\_031883542.1 CGLO|KAF3800190.1 CHIG|XP\_018155106.1 CVIN|KAF4897007.1 CVYL|A06098 FGRM|XP\_011317482.1 MGRA|XP\_003856153.1 MORY|QBZ64819.1 NCRA|XP\_956455.3 SSCL|APA16306.1

>Orthogroup4787: ANID|CBF85927.1 BCIN|XP\_001550237.1 BGRA|VCU41249.1 CFRU|XP\_031891131.1 CGLO|KAF3801498.1 CHIG|XP\_018151928.1 CVIN|KAF4916398.1 CVYL|A12632 FGRM|XP\_011325499.1 MLAR|XP\_007405374.1 MLAR|XP\_007411512.1 NCRA|XP\_963568.3 SSCL|APA16349.1

>Orthogroup4788: ANID|CBF85935.1 BCIN|XP\_001557656.1 BGRA|VDB92993.1 CFRU|XP\_031881276.1 CGLO|KAF3802492.1 CHIG|XP\_018154798.1 CVIN|KAF4919025.1 CVYL|A02084 FGRM|XP\_011316327.1 MLAR|XP\_007416525.1 MORY|QBZ60972.1 NCRA|XP\_957169.1 SSCL|APA12247.1

>Orthogroup4789: ANID|CBF85941.1 BCIN|XP\_024548385.1 CFRU|XP\_031881889.1 CGLO|KAF3800650.1 CHIG|XP\_018152018.1 CVIN|KAF4922051.1 CVYL|A13066 FGRM|XP\_011325680.1 MLAR|XP\_007404191.1 MLAR|XP\_007408268.1 MORY|QBZ61274.1 NCRA|XP\_956208.1 SSCL|APA12315.1

>Orthogroup4790: ANID|CBF85943.1 BCIN|XP\_024548384.1 BGRA|VDB88811.1 CFRU|XP\_031881884.1 CGLO|KAF3800649.1 CHIG|XP\_018152019.1 CVIN|KAF4922027.1 CVYL|A13067 FGRM|XP\_011325682.1 MGRA|XP\_003852867.1 MORY|QBZ61275.1 NCRA|XP\_956209.3 SSCL|APA12316.1

>Orthogroup4791: ANID|CBF85947.1 BCIN|XP\_024553112.1 BGRA|VCU41247.1 CFRU|XP\_031890887.1 CGLO|KAF3801489.1 CHIG|XP\_018151920.1 CVIN|KAF4916383.1 CVYL|A12640 FGRM|XP\_011321182.1 MGRA|XP\_003857263.1 MORY|QBZ55807.1 NCRA|XP\_011393610.1 SSCL|APA16333.1

>Orthogroup4792: ANID|CBF85953.1 BCIN|XP\_001546403.1 BGRA|VDB88779.1 CFRU|XP\_031877958.1 CGLO|KAF3810908.1 CHIG|XP\_018154941.1 CVIN|KAF4893532.1 CVYL|A02237 FGRM|XP\_011324630.1 MLAR|XP\_007408139.1 MORY|QBZ53814.1 NCRA|XP\_963220.1 SSCL|APA12258.1

>Orthogroup4793: ANID|CBF85958.1 BCIN|XP\_001550199.1 BGRA|VCU39726.1 CFRU|XP\_031882638.1 CGLO|KAF3800490.1 CHIG|XP\_018152284.1 CVYL|A13223 FGRM|XP\_011323687.1 MGRA|XP\_003856217.1 MLAR|XP\_007408478.1 MORY|QBZ60985.1 NCRA|XP\_956450.1 SSCL|APA16327.1

>Orthogroup4794: ANID|CBF85973.1 BCIN|XP\_001548636.1 BGRA|VCU40349.1 CFRU|XP\_031890029.1 CGLO|KAF3798884.1 CHIG|XP\_018158553.1 CVIN|KAF4925576.1 CVYL|A05069 FGRM|XP\_011316619.1 MGRA|XP\_003855945.1 MORY|QBZ55958.1 NCRA|XP\_011392982.1 SSCL|APA09639.1

>Orthogroup4795: ANID|CBF85988.1 BCIN|XP\_024547840.1 BGRA|VDB90399.1 CFRU|XP\_031885817.1 CGLO|KAF3810243.1 CHIG|XP\_018157954.1 CVIN|KAF4910798.1 CVYL|A02844 FGRM|XP\_011319954.1 MGRA|XP\_003853786.1 MORY|QBZ56049.1 NCRA|XP\_958804.1 SSCL|APA08154.1

>Orthogroup4796: ANID|CBF86001.1 BCIN|XP\_001550114.2 CFRU|XP\_031888676.1 CGLO|KAF3804227.1 CHIG|XP\_018160073.1 CVIN|KAF4930132.1 CVYL|A03917 FGRM|XP\_011324578.1 MGRA|XP\_003855357.1 MLAR|XP\_007411527.1 MORY|QBZ64646.1 NCRA|XP\_961352.1 SSCL|APA11379.1

>Orthogroup4797: ANID|CBF86004.1 BCIN|XP\_001550110.2 BGRA|VDB94698.1 CFRU|XP\_031882336.1 CGLO|KAF3804415.1 CHIG|XP\_018160237.1 CVIN|KAF4930948.1 CVYL|A04117 FGRM|XP\_011328782.1 MGRA|XP\_003855628.1 MORY|QBZ59147.1 NCRA|XP\_961320.1 SSCL|APA11381.1

>Orthogroup4798: ANID|CBF86013.1 BCIN|XP\_001550743.1 BGRA|VDB96419.1 CFRU|XP\_031892967.1 CGLO|KAF3808032.1 CHIG|XP\_018152349.1 CVIN|KAF4909502.1 CVYL|A09452 FGRM|XP\_011317749.1 MGRA|XP\_003853856.1 MORY|QBZ54235.1 NCRA|XP\_955843.1 SSCL|APA15294.1

>Orthogroup4799: ANID|CBF86066.1 BCIN|XP\_001552917.2 BGRA|VDB88281.1 CFRU|XP\_031893445.1 CGLO|KAF3808349.1 CHIG|XP\_018152407.1 CVIN|KAF4918634.1 CVYL|A09508 FGRM|XP\_011317716.1 MGRA|XP\_003854414.1 MORY|QBZ54486.1 NCRA|XP\_961473.1 SSCL|APA05236.1

>Orthogroup4800: ANID|CBF86084.1 BCIN|XP\_001551106.2 BGRA|VDB93444.1 CFRU|XP\_031893492.1 CGLO|KAF3808006.1 CHIG|XP\_018152374.1 CVIN|KAF4895811.1 CVYL|A09477 FGRM|XP\_011317734.1 MGRA|XP\_003854125.1 MORY|QBZ54203.1 NCRA|XP\_961273.2 SSCL|APA15035.1

>Orthogroup4801: ANID|CBF86087.1 BCIN|XP\_024549944.1 CFRU|XP\_031886554.1 CGLO|KAF3804037.1 CHIG|XP\_018162709.1 CVIN|KAF4927630.1 CVYL|A06991 FGRM|XP\_011326392.1 MLAR|XP\_007409750.1 MLAR|XP\_007412347.1 MORY|QBZ61372.1 NCRA|XP\_957293.1 SSCL|APA05279.1

>Orthogroup4802: ANID|CBF86091.1 BCIN|XP\_001552114.1 BGRA|VDB92868.1 CFRU|XP\_031886555.1 CHIG|XP\_018162710.1 CVIN|KAF4927629.1 CVYL|A06992 FGRM|XP\_011326393.1 MGRA|XP\_003854196.1 MLAR|XP\_007413509.1 MORY|QBZ59552.1 NCRA|XP\_962916.2 SSCL|APA05280.1

>Orthogroup4803: ANID|CBF86093.1 BCIN|XP\_001552110.1 BGRA|VDB96308.1 CFRU|XP\_031876953.1 CGLO|KAF3810701.1 CHIG|XP\_018162468.1 CVIN|KAF4909749.1 CVYL|A07254 FGRM|XP\_011326995.1 MGRA|XP\_003854372.1 MORY|QBZ61439.1 NCRA|XP\_957360.1 SSCL|APA05284.1

>Orthogroup4804: ANID|CBF86104.1 BCIN|XP\_024552452.1 BGRA|VCU40813.1 CFRU|XP\_031885607.1 CGLO|KAF3810087.1 CHIG|XP\_018157904.1 CVIN|KAF4891967.1 CVYL|A02681 FGRM|XP\_011328259.1 MGRA|XP\_003853343.1 MORY|QBZ53904.1 NCRA|XP\_011394894.1 SSCL|APA08556.1

>Orthogroup4805: ANID|CBF86109.1 BCIN|XP\_024552669.1 BGRA|VCU40870.1 CFRU|XP\_031883274.1 CGLO|KAF3801718.1 CHIG|XP\_018159233.1 CVIN|KAF4915635.1 CVYL|A12983 FGRM|XP\_011320270.1 MLAR|XP\_007410579.1 MORY|QBZ62856.1 NCRA|XP\_960400.1 SSCL|APA15547.1

>Orthogroup4806: ANID|CBF86132.1 BCIN|XP\_001557091.1 BGRA|VDB87679.1 CFRU|XP\_031885801.1 CHIG|XP\_018157842.1 CVIN|KAF4929184.1 CVYL|A02815 FGRM|XP\_011320331.1 MGRA|XP\_003853456.1 MLAR|XP\_007412549.1 MORY|QBZ61300.1 NCRA|XP\_957600.1 SSCL|APA08533.1

>Orthogroup4807: ANID|CBF86137.1 BCIN|XP\_001546907.1 BGRA|VDB87874.1 CFRU|XP\_031883422.1 CGLO|KAF3801715.1 CHIG|XP\_018159231.1 CVIN|KAF4915634.1 CVYL|A12985 FGRM|XP\_011320146.1 MLAR|XP\_007412646.1 MORY|QBZ62861.1 NCRA|XP\_011394911.1 SSCL|APA08562.1

>Orthogroup4808: ANID|CBF86159.1 BCIN|XP\_024549410.1 BGRA|VDB91111.1 CFRU|XP\_031882886.1 CHIG|XP\_018164194.1 CVIN|KAF4923655.1 CVYL|A14216 FGRM|XP\_011326794.1 MGRA|XP\_003848568.1 MLAR|XP\_007404519.1 MORY|QBZ63765.1 NCRA|XP\_959171.1 SSCL|APA09079.1

>Orthogroup4809: ANID|CBF86168.1 BCIN|XP\_001559060.1 BGRA|VDB91106.1 CFRU|XP\_031882743.1 CGLO|KAF3806669.1 CHIG|XP\_018164198.1 CVIN|KAF4923686.1 CVYL|A14212 FGRM|XP\_011317023.1 MGRA|XP\_003848550.1 MORY|QBZ63795.1 NCRA|XP\_959166.1 SSCL|APA09082.1

>Orthogroup4810: ANID|CBF86170.1 BCIN|XP\_024549411.1 BGRA|VDB91110.1 CFRU|XP\_031882889.1 CGLO|KAF3806670.1 CHIG|XP\_018164197.1 CVIN|KAF4923687.1 CVYL|A14213 FGRM|XP\_011317024.1 MGRA|XP\_003848728.1 MORY|QBZ63798.1 NCRA|XP\_959165.2 SSCL|APA09081.1

>Orthogroup4811: ANID|CBF86180.1 BCIN|XP\_024546133.1 BGRA|VDB90769.1 CFRU|XP\_031882848.1 CGLO|KAF3803442.1 CHIG|XP\_018163970.1 CVIN|KAF4926335.1 CVYL|A14371 FGRM|XP\_011316233.1 MGRA|XP\_003851417.1 MORY|QBZ63925.1 NCRA|XP\_964032.2 SSCL|APA06660.1

>Orthogroup4812: ANID|CBF86184.1 BCIN|XP\_001549238.1 BGRA|VDB90898.1 CFRU|XP\_031882725.1 CGLO|KAF3803360.1 CHIG|XP\_018163954.1 CVIN|KAF4915975.1 CVYL|A14301 FGRM|XP\_011317147.1 MGRA|XP\_003848301.1 MLAR|XP\_007414720.1 NCRA|XP\_964690.1 SSCL|APA09222.1

>Orthogroup4813: ANID|CBF86196.1 BCIN|XP\_024549447.1 BGRA|VDB92872.1 CFRU|XP\_031890568.1 CGLO|KAF3804891.1 CHIG|XP\_018164371.1 CVIN|KAF4921179.1 CVYL|A12170 FGRM|XP\_011316800.1 MGRA|XP\_003848389.1 MORY|QBZ55542.1 NCRA|XP\_964310.1 SSCL|APA09219.1

>Orthogroup4814: ANID|CBF86205.1 BCIN|XP\_024546625.1 BGRA|VDB90858.1 CFRU|XP\_031892681.1 CGLO|KAF3803071.1 CHIG|XP\_018153528.1 CVIN|KAF4919859.1 CVYL|A00083 FGRM|XP\_011316114.1 MGRA|XP\_003848374.1 MORY|QBZ55591.1 NCRA|XP\_965124.3 SSCL|APA06456.1

>Orthogroup4815: ANID|CBF86229.1 BCIN|XP\_001555264.1 BGRA|VDB87753.1 CFRU|XP\_031885827.1 CGLO|KAF3810129.1 CHIG|XP\_018157961.1 CVIN|KAF4912131.1 CVYL|A02720 FGRM|XP\_011328242.1 MGRA|XP\_003852970.1 MORY|QBZ59284.1 NCRA|XP\_960383.1 SSCL|APA08666.1

>Orthogroup4816: ANID|CBF86232.1 BCIN|XP\_001554739.1 BGRA|VDB89733.1 CFRU|XP\_031885834.1 CHIG|XP\_018157793.1 CVIN|KAF4929171.1 CVYL|A02766 FGRM|XP\_011320123.1 MGRA|XP\_003852971.1 MLAR|XP\_007407499.1 MORY|QBZ61287.1 NCRA|XP\_957550.2 SSCL|APA15474.1

>Orthogroup4817: ANID|CBF86243.1 BCIN|XP\_001554043.1 BGRA|VDB94574.1 CFRU|XP\_031877222.1 CGLO|KAF3806462.1 CHIG|XP\_018162352.1 CVIN|KAF4897893.1 CVYL|A12061 FGRM|XP\_011323930.1 MGRA|XP\_003849203.1 MORY|QBZ62951.1 NCRA|XP\_011393925.1 SSCL|APA11130.1

>Orthogroup4818: ANID|CBF86244.1 BCIN|XP\_001551956.1 CFRU|XP\_031879291.1 CGLO|KAF3808631.1 CVIN|KAF4926183.1 CVYL|A12177 FGRM|XP\_011321474.1 MGRA|XP\_003847426.1 MGRA|XP\_003855041.1 MLAR|XP\_007410573.1 MORY|QBZ59636.1 NCRA|XP\_962866.2 SSCL|APA10950.1

>Orthogroup4819: ANID|CBF86246.1 BCIN|XP\_001551957.1 CFRU|XP\_031879313.1 CGLO|KAF3808630.1 CHIG|XP\_018161882.1 CVIN|KAF4926182.1 CVYL|A12188 FGRM|XP\_011321475.1 MGRA|XP\_003855443.1 MLAR|XP\_007414274.1 MORY|QBZ59635.1 NCRA|XP\_962865.1 SSCL|APA10951.1

>Orthogroup4820: ANID|CBF86252.1 BCIN|XP\_024550539.1 BGRA|VDB94601.1 CFRU|XP\_031887064.1 CGLO|KAF3811427.1 CHIG|XP\_018160668.1 CVIN|KAF4919699.1 CVYL|A04625 FGRM|XP\_011326843.1 MGRA|XP\_003855056.1 MORY|QBZ57137.1 NCRA|XP\_960646.1 SSCL|APA11326.1

>Orthogroup4821: ANID|CBF86253.1 BCIN|XP\_001550184.1 BGRA|VDB94605.1 CFRU|XP\_031887022.1 CGLO|KAF3811426.1 CHIG|XP\_018160665.1 CVIN|KAF4919697.1 CVYL|A04624 FGRM|XP\_011326840.1 MLAR|XP\_007409138.1 MORY|QBZ57139.1 NCRA|XP\_961608.2 SSCL|APA11327.1

>Orthogroup4822: ANID|CBF86255.1 BCIN|XP\_024550603.1 BGRA|VDB88020.1 CFRU|XP\_031886869.1 CGLO|KAF3811422.1 CHIG|XP\_018160661.1 CVIN|KAF4919686.1 CVYL|A04620 FGRM|XP\_011326852.1 MGRA|XP\_003848781.1 MORY|QBZ57133.1 NCRA|XP\_961050.2 SSCL|APA11410.1

>Orthogroup4823: ANID|CBF86263.1 BCIN|XP\_024550512.1 BGRA|VDB94593.1 CFRU|XP\_031886893.1 CGLO|KAF3811434.1 CHIG|XP\_018160676.1 CVIN|KAF4917856.1 CVYL|A04633 FGRM|XP\_011326849.1 MGRA|XP\_003855441.1 MORY|QBZ57145.1 NCRA|XP\_960650.3 SSCL|APA11246.1

>Orthogroup4824: ANID|CBF86265.1 BCIN|XP\_024550511.1 CFRU|XP\_031886892.1 CGLO|KAF3811433.1 CHIG|XP\_018160675.1 CVIN|KAF4917855.1 CVYL|A04632 FGRM|XP\_011326848.1 MGRA|XP\_003855026.1 MLAR|XP\_007405362.1 MORY|QBZ54563.1 NCRA|XP\_960649.1 SSCL|APA11247.1

>Orthogroup4825: ANID|CBF86268.1 BCIN|XP\_001549671.1 BGRA|VDB94709.1 CFRU|XP\_031886911.1 CGLO|KAF3811453.1 CHIG|XP\_018160697.1 CVIN|KAF4917860.1 CVYL|A04655 FGRM|XP\_011327232.1 MGRA|XP\_003855172.1 MORY|QBZ53836.1 NCRA|XP\_960776.1 SSCL|APA11400.1

>Orthogroup4826: ANID|CBF86270.1 BCIN|XP\_001554026.2 BGRA|VDB87957.1 CFRU|XP\_031879272.1 CGLO|KAF3808613.1 CHIG|XP\_018161903.1 CVIN|KAF4926135.1 CVYL|A12333 FGRM|XP\_011318499.1 MGRA|XP\_003855051.1 MORY|QBZ59643.1 NCRA|XP\_962876.3 SSCL|APA11124.1

>Orthogroup4827: ANID|CBF86273.1 BCIN|XP\_001553920.1 CFRU|XP\_031877104.1 CGLO|KAF3804006.1 CHIG|XP\_018150941.1 CVIN|KAF4925191.1 CVYL|A08795 FGRM|XP\_011323761.1 MGRA|XP\_003849673.1 MLAR|XP\_007406791.1 MORY|QBZ64296.1 NCRA|XP\_955906.2 SSCL|APA13125.1

>Orthogroup4828: ANID|CBF86279.1 BCIN|XP\_024552143.1 BGRA|VCU39202.1 CFRU|XP\_031876733.1 CGLO|KAF3798705.1 CHIG|XP\_018157449.1 CVIN|KAF4918489.1 CVYL|A09439 FGRM|XP\_011321341.1 MLAR|XP\_007408381.1 MORY|QBZ57162.1 NCRA|XP\_962696.1 SSCL|APA12978.1

>Orthogroup4829: ANID|CBF86291.1 BCIN|XP\_024552149.1 BGRA|VCU39209.1 CFRU|XP\_031876706.1 CGLO|KAF3798706.1 CHIG|XP\_018157448.1 CVIN|KAF4918490.1 CVYL|A09440 FGRM|XP\_011321340.1 MGRA|XP\_003849658.1 MORY|QBZ57164.1 NCRA|XP\_962694.3 SSCL|APA12986.1

>Orthogroup4830: ANID|CBF86292.1 BCIN|XP\_024552352.1 BGRA|VCU39219.1 CFRU|XP\_031893590.1 CGLO|KAF3800803.1 CHIG|XP\_018150909.1 CVIN|KAF4922517.1 CVYL|A08749 FGRM|XP\_011323782.1 MGRA|XP\_003849751.1 MORY|QBZ56534.1 NCRA|XP\_011394377.1 SSCL|APA13237.1

>Orthogroup4831: ANID|CBF86306.1 BCIN|XP\_001557127.2 BGRA|VDB88054.1 CFRU|XP\_031883615.1 CHIG|XP\_018155158.1 CVIN|KAF4911829.1 CVYL|A06159 FGRM|XP\_011317381.1 FGRM|XP\_011320792.1 MLAR|XP\_007406087.1 MORY|QBZ60960.1 NCRA|XP\_956465.2 SSCL|APA08548.1

>Orthogroup4832: ANID|CBF86308.1 BCIN|XP\_001557128.1 BGRA|VDB88055.1 CFRU|XP\_031881885.1 CGLO|KAF3800648.1 CHIG|XP\_018152020.1 CVIN|KAF4922056.1 CVYL|A13068 FGRM|XP\_011325683.1 MGRA|XP\_003849630.1 MORY|QBZ61272.1 NCRA|XP\_956212.1 SSCL|APA08549.1

>Orthogroup4833: ANID|CBF86311.1 BCIN|XP\_024552457.1 BGRA|VDB88057.1 CFRU|XP\_031881729.1 CGLO|KAF3800664.1 CHIG|XP\_018152013.1 CVIN|KAF4922024.1 CVYL|A13054 FGRM|XP\_011321255.1 MGRA|XP\_003849607.1 MORY|QBZ62112.1 NCRA|XP\_956262.3 SSCL|APA08552.1

>Orthogroup4834: ANID|CBF86314.1 BCIN|XP\_024552459.1 CFRU|XP\_031881899.1 CGLO|KAF3800674.1 CHIG|XP\_018152008.1 CVIN|KAF4922046.1 CVYL|A13043 FGRM|XP\_011321251.1 MGRA|XP\_003849487.1 MLAR|XP\_007405902.1 MORY|QBZ62110.1 NCRA|XP\_956201.2 SSCL|APA08550.1

>Orthogroup4835: ANID|CBF86351.1 BCIN|XP\_001556048.2 BGRA|VDB89197.1 CFRU|XP\_031886928.1 CHIG|XP\_018160619.1 CVIN|KAF4919671.1 CVYL|A04574 FGRM|XP\_011327198.1 MGRA|XP\_003850712.1 MLAR|XP\_007410558.1 MORY|QBZ58045.1 NCRA|XP\_959190.1 SSCL|APA13956.1

>Orthogroup4836: ANID|CBF86384.1 BCIN|XP\_001558026.2 BCIN|XP\_024549888.1 CFRU|XP\_031887667.1 CGLO|KAF3807164.1 CHIG|XP\_018160987.1 CVIN|KAF4917567.1 CVYL|A03567 FGRM|XP\_011315880.1 MGRA|XP\_003851155.1 MORY|QBZ63380.1 NCRA|XP\_962435.3 SSCL|APA12871.1

>Orthogroup4837: ANID|CBF86393.1 BCIN|XP\_024551454.1 BGRA|VDB89561.1 CFRU|XP\_031893521.1 CHIG|XP\_018152679.1 CVIN|KAF4921293.1 CVYL|A10067 FGRM|XP\_011317901.1 MGRA|XP\_003850515.1 MLAR|XP\_007413145.1 MORY|QBZ55016.1 NCRA|XP\_961591.1 SSCL|APA10452.1

>Orthogroup4838: ANID|CBF86400.1 BCIN|XP\_001560379.1 BGRA|VDB91315.1 CFRU|XP\_031885865.1 CGLO|KAF3806596.1 CHIG|XP\_018157637.1 CVIN|KAF4916902.1 CVYL|A09270 FGRM|XP\_011328105.1 MGRA|XP\_003854567.1 MORY|QBZ56234.1 NCRA|XP\_962640.1 SSCL|APA08790.1

>Orthogroup4839: ANID|CBF86404.1 BCIN|XP\_024550091.1 BGRA|VDB87647.1 CFRU|XP\_031877776.1 CGLO|KAF3810677.1 CHIG|XP\_018162434.1 CVIN|KAF4916942.1 CVYL|A07282 FGRM|XP\_011318446.1 MLAR|XP\_007411308.1 MORY|QBZ55666.1 NCRA|XP\_962934.2 SSCL|APA10726.1

>Orthogroup4840: ANID|CBF86415.1 BCIN|XP\_024549249.1 BGRA|VCU39008.1 CFRU|XP\_031887755.1 CGLO|KAF3811631.1 CHIG|XP\_018160905.1 CVIN|KAF4921431.1 CVYL|A03491 FGRM|XP\_011323575.1 MGRA|XP\_003853692.1 MORY|QBZ56230.1 NCRA|XP\_962160.3 SSCL|APA15748.1

>Orthogroup4841: ANID|CBF86420.1 BCIN|XP\_024549279.1 BGRA|VCU38807.1 CFRU|XP\_031890038.1 CGLO|KAF3798249.1 CHIG|XP\_018157650.1 CVIN|KAF4900876.1 CVYL|A09233 FGRM|XP\_011324223.1 MLAR|XP\_007411678.1 MORY|QBZ56272.1 NCRA|XP\_962642.2 SSCL|APA08901.1

>Orthogroup4842: ANID|CBF86434.1 BCIN|XP\_001556172.1 BGRA|VCU38961.1 CFRU|XP\_031886038.1 CGLO|KAF3806588.1 CHIG|XP\_018157628.1 CVIN|KAF4920481.1 CVYL|A09280 FGRM|XP\_011328112.1 MLAR|XP\_007404711.1 MORY|QBZ56229.1 NCRA|XP\_961840.1 SSCL|APA15751.1

>Orthogroup4843: ANID|CBF86435.1 BCIN|XP\_001555651.1 CFRU|XP\_031881052.1 CFRU|XP\_031881121.1 CGLO|KAF3809841.1 CHIG|XP\_018161423.1 CVIN|KAF4930607.1 CVYL|A01773 FGRM|XP\_011321462.1 MGRA|XP\_003854628.1 MORY|QBZ65210.1 NCRA|XP\_962784.2 SSCL|APA07295.1

>Orthogroup4844: ANID|CBF86444.1 BCIN|XP\_024551307.1 BGRA|VDB87642.1 CFRU|XP\_031886296.1 CGLO|KAF3806234.1 CHIG|XP\_018162070.1 CVIN|KAF4931471.1 CVYL|A11825 FGRM|XP\_011324020.1 MGRA|XP\_003850403.1 MORY|QBZ61549.1 NCRA|XP\_957225.1 SSCL|APA10579.1

>Orthogroup4845: ANID|CBF86452.1 BCIN|XP\_001555041.1 BGRA|VDB86251.1 CFRU|XP\_031886988.1 CGLO|KAF3811259.1 CHIG|XP\_018160480.1 CVIN|KAF4931283.1 CVYL|A04404 FGRM|XP\_011323637.1 MLAR|XP\_007413041.1 MORY|QBZ63411.1 NCRA|XP\_961550.1 SSCL|APA07802.1

>Orthogroup4846: ANID|CBF86454.1 BCIN|XP\_024547616.1 BGRA|VDB86135.1 CFRU|XP\_031886917.1 CGLO|KAF3811276.1 CHIG|XP\_018160500.1 CVIN|KAF4927263.1 CVYL|A04458 FGRM|XP\_011323634.1 MGRA|XP\_003850121.1 MORY|QBZ63407.1 NCRA|XP\_961553.1 SSCL|APA07788.1

>Orthogroup4847: ANID|CBF86455.1 BCIN|XP\_024547622.1 BGRA|VDB86068.1 CFRU|XP\_031886918.1 CGLO|KAF3811275.1 CHIG|XP\_018160499.1 CVIN|KAF4927262.1 CVYL|A04459 FGRM|XP\_011323635.1 MGRA|XP\_003850281.1 MORY|QBZ63408.1 NCRA|XP\_961552.2 SSCL|APA07780.1

>Orthogroup4848: ANID|CBF86457.1 BCIN|XP\_001557391.1 BGRA|VDB84010.1 CFRU|XP\_031893412.1 CHIG|XP\_018152745.1 CVIN|KAF4922826.1 CVYL|A08191 FGRM|XP\_011317934.1 MGRA|XP\_003849888.1 MLAR|XP\_007411333.1 MORY|QBZ54996.1 NCRA|XP\_957904.1 SSCL|APA10684.1

>Orthogroup4849: ANID|CBF86469.1 BCIN|XP\_001555081.1 BGRA|VCU40129.1 BGRA|VDB86308.1 CFRU|XP\_031886857.1 CGLO|KAF3811401.1 CHIG|XP\_018160637.1 CVIN|KAF4919683.1 CVYL|A04594 FGRM|XP\_011327161.1 MORY|QBZ54284.1 NCRA|XP\_955994.2 SSCL|APA07833.1

>Orthogroup4850: ANID|CBF86484.1 BCIN|XP\_001560872.1 BGRA|VDB84400.1 CFRU|XP\_031885068.1 CGLO|KAF3807656.1 CHIG|XP\_018162879.1 CVIN|KAF4927807.1 CVYL|A06675 FGRM|XP\_011326290.1 MGRA|XP\_003850171.1 MORY|QBZ55688.1 NCRA|XP\_955802.1 SSCL|APA08083.1

>Orthogroup4851: ANID|CBF86493.1 BCIN|XP\_001551896.1 CFRU|XP\_031887050.1 CGLO|KAF3811263.1 CHIG|XP\_018160484.1 CVIN|KAF4927229.1 CVYL|A04476 FGRM|XP\_011326919.1 MGRA|XP\_003850018.1 MLAR|XP\_007407752.1 MORY|QBZ58100.1 NCRA|XP\_960724.1 SSCL|APA15207.1

>Orthogroup4852: ANID|CBF86494.1 BCIN|XP\_001560808.2 BGRA|VCU38771.1 CFRU|XP\_031877806.1 CGLO|KAF3796941.1 CHIG|XP\_018162386.1 CVIN|KAF4911637.1 CVYL|A07324 FGRM|XP\_011318556.1 MLAR|XP\_007412901.1 MORY|QBZ62839.1 NCRA|XP\_957243.2 SSCL|APA08043.1

>Orthogroup4853: ANID|CBF86498.1 BCIN|XP\_024547604.1 BGRA|VDB86164.1 CFRU|XP\_031886422.1 CGLO|KAF3806247.1 CHIG|XP\_018162092.1 CVIN|KAF4931536.1 CVYL|A11837 FGRM|XP\_011324008.1 MGRA|XP\_003849963.1 MORY|QBZ61508.1 NCRA|XP\_962995.3 SSCL|APA07800.1

>Orthogroup4854: ANID|CBF86507.1 BCIN|XP\_001555049.1 BGRA|VDB85870.1 CFRU|XP\_031886368.1 CGLO|KAF3806312.1 CHIG|XP\_018162145.1 CHIG|XP\_018162146.1 CVIN|KAF4923942.1 CVYL|A11904 FGRM|XP\_011326601.1 MORY|QBZ61529.1 NCRA|XP\_957301.2 SSCL|APA07810.1

>Orthogroup4855: ANID|CBF86509.1 BGRA|VDB85868.1 CFRU|XP\_031886452.1 CGLO|KAF3806313.1 CHIG|XP\_018162147.1 CVIN|KAF4923935.1 CVYL|A11905 FGRM|XP\_011326600.1 MGRA|XP\_003855315.1 MLAR|XP\_007417548.1 MORY|QBZ61574.1 NCRA|XP\_957300.2 SSCL|APA07809.1

>Orthogroup4856: ANID|CBF86518.1 BCIN|XP\_001552582.1 BGRA|VCU39917.1 CFRU|XP\_031893175.1 CGLO|KAF3808125.1 CHIG|XP\_018152822.1 CVIN|KAF4909732.1 CVYL|A08110 FGRM|XP\_011318005.1 MGRA|XP\_003850389.1 MORY|QBZ55078.1 NCRA|XP\_961680.3 SSCL|APA10463.1

>Orthogroup4857: ANID|CBF86529.1 BCIN|XP\_001560880.1 BGRA|VDB86155.1 CFRU|XP\_031877419.1 CGLO|KAF3805317.1 CHIG|XP\_018162034.1 CVIN|KAF4931539.1 CVYL|A11740 FGRM|XP\_011324100.1 MLAR|XP\_007413526.1 MORY|QBZ61436.1 NCRA|XP\_957125.1 SSCL|APA08089.1

>Orthogroup4858: ANID|CBF86542.1 BCIN|XP\_024551491.1 BGRA|VCU39448.1 CFRU|XP\_031886545.1 CGLO|KAF3804050.1 CHIG|XP\_018162723.1 CVYL|A07011 FGRM|XP\_011327056.1 MGRA|XP\_003849955.1 MLAR|XP\_007418009.1 MORY|QBZ59314.1 NCRA|XP\_957811.1 SSCL|APA10386.1

>Orthogroup4859: ANID|CBF86546.1 BCIN|XP\_001557387.1 BGRA|VDB87622.1 CFRU|XP\_031886546.1 CGLO|KAF3804051.1 CHIG|XP\_018162724.1 CVIN|KAF4919530.1 CVYL|A07012 FGRM|XP\_011327055.1 MGRA|XP\_003850243.1 MORY|QBZ59318.1 NCRA|XP\_956664.1 SSCL|APA10688.1

>Orthogroup4860: ANID|CBF86551.1 BCIN|XP\_001555701.1 BGRA|VDB87637.1 CFRU|XP\_031893216.1 CGLO|KAF3809494.1 CHIG|XP\_018152681.1 CVYL|A10065 FGRM|XP\_011317913.1 MGRA|XP\_003850394.1 MLAR|XP\_007415190.1 MORY|QBZ55019.1 NCRA|XP\_961595.1 SSCL|APA10095.1

>Orthogroup4861: ANID|CBF86555.1 BCIN|XP\_024547585.1 BGRA|VDB85915.1 CFRU|XP\_031887073.1 CGLO|KAF3811397.1 CHIG|XP\_018160633.1 CVIN|KAF4919696.1 CVYL|A04590 FGRM|XP\_011327190.1 MGRA|XP\_003850468.1 MORY|QBZ64738.1 NCRA|XP\_961016.3 SSCL|APA07825.1

>Orthogroup4862: ANID|CBF86568.1 BCIN|XP\_024547555.1 BGRA|VDB84331.1 CFRU|XP\_031886411.1 CGLO|KAF3806360.1 CHIG|XP\_018162233.1 CVIN|KAF4923246.1 CVYL|A11949 FGRM|XP\_011326590.1 MLAR|XP\_007408518.1 MORY|QBZ59294.1 NCRA|XP\_001728028.2 SSCL|APA07854.1

>Orthogroup4863: ANID|CBF86570.1 BCIN|XP\_024551465.1 CFRU|XP\_031885074.1 CGLO|KAF3800338.1 CHIG|XP\_018162824.1 CVIN|KAF4918872.1 CVYL|A07364 FGRM|XP\_011326416.1 MGRA|XP\_003855247.1 MLAR|XP\_007405971.1 MORY|QBZ56484.1 NCRA|XP\_959055.2 SSCL|APA10436.1

>Orthogroup4864: ANID|CBF86571.1 BCIN|XP\_024551466.1 BGRA|VCU39922.1 CFRU|XP\_031885073.1 CGLO|KAF3800339.1 CHIG|XP\_018162825.1 CVIN|KAF4918874.1 CVYL|A07375 FGRM|XP\_011326415.1 MGRA|XP\_003855465.1 MORY|QBZ56485.1 NCRA|XP\_959054.2 SSCL|APA10437.1

>Orthogroup4865: ANID|CBF86577.1 BCIN|XP\_024552211.1 BGRA|VCU39236.1 CFRU|XP\_031887642.1 CGLO|KAF3803184.1 CHIG|XP\_018161026.1 CVIN|KAF4920223.1 CVYL|A03614 FGRM|XP\_011323815.1 MGRA|XP\_003849259.1 MORY|QBZ58836.1 NCRA|XP\_011394201.1 SSCL|APA12919.1

>Orthogroup4866: ANID|CBF86579.1 BCIN|XP\_001552202.2 BGRA|VCU39490.1 CFRU|XP\_031887643.1 CGLO|KAF3803185.1 CHIG|XP\_018161027.1 CVIN|KAF4920222.1 CVYL|A03615 FGRM|XP\_011323814.1 MGRA|XP\_003849484.1 MORY|QBZ58839.1 NCRA|XP\_011394379.1 SSCL|APA13004.1

>Orthogroup4867: ANID|CBF86592.1 BCIN|XP\_024553278.1 BGRA|VDB93959.1 CFRU|XP\_031883435.1 CGLO|KAF3800607.1 CHIG|XP\_018152069.1 CVIN|KAF4918190.1 FGRM|XP\_011321303.1 MGRA|XP\_003855246.1 MLAR|XP\_007415072.1 MORY|QBZ61044.1 NCRA|XP\_963253.2 SSCL|APA13557.1

>Orthogroup4868: ANID|CBF86595.1 BCIN|XP\_024549909.1 BGRA|VDB93942.1 CFRU|XP\_031878033.1 CHIG|XP\_018154569.1 CVIN|KAF4931852.1 CVYL|A13422 FGRM|XP\_011324893.1 MGRA|XP\_003850092.1 MLAR|XP\_007417927.1 MORY|QBZ61069.1 NCRA|XP\_011393467.1 SSCL|APA05594.1

>Orthogroup4869: ANID|CBF86707.1 CFRU|XP\_031877477.1 CFRU|XP\_031883718.1 CGLO|KAF3797525.1 CGLO|KAF3810876.1 CHIG|XP\_018154891.1 CVIN|KAF4916348.1 CVYL|A01973 CVYL|A02269 FGRM|XP\_011319499.1 FGRM|XP\_011321741.1 NCRA|XP\_960642.3 SSCL|APA15526.1

>Orthogroup4870: ANID|CBF86756.1 CFRU|XP\_031881329.1 CGLO|KAF3800933.1 CHIG|XP\_018153198.1 CVIN|KAF4920916.1 CVYL|A05971 FGRM|XP\_011322419.1 MGRA|XP\_003848790.1 MLAR|XP\_007408835.1 MLAR|XP\_007412393.1 MLAR|XP\_007412397.1 MORY|QBZ61779.1 NCRA|XP\_965178.3

>Orthogroup4871: ANID|CBF86775.1 BCIN|XP\_001551920.1 CFRU|XP\_031888983.1 CGLO|KAF3799003.1 CGLO|KAF3799004.1 CGLO|KAF3799388.1 CHIG|XP\_018159960.1 CVIN|KAF4906789.1 CVYL|A03496 FGRM|XP\_011320968.1 MORY|QBZ59258.1 NCRA|XP\_959369.2 SSCL|APA15192.1

>Orthogroup4872: ANID|CBF86800.1 BCIN|XP\_024549405.1 BGRA|VDB90900.1 CFRU|XP\_031888579.1 CGLO|KAF3803692.1 CHIG|XP\_018163761.1 CVIN|KAF4928567.1 CVYL|A14623 FGRM|XP\_011316038.1 MLAR|XP\_007405177.1 MORY|QBZ54595.1 NCRA|XP\_965665.2 SSCL|APA09073.1

>Orthogroup4873: ANID|CBF86811.1 BCIN|XP\_001555199.1 CFRU|XP\_031888605.1 CGLO|KAF3803678.1 CHIG|XP\_018163782.1 CVIN|KAF4928506.1 CVYL|A14609 FGRM|XP\_011326745.1 MGRA|XP\_003852299.1 MLAR|XP\_007409426.1 MORY|QBZ62970.1 NCRA|XP\_964047.1 SSCL|APA09185.1

>Orthogroup4874: ANID|CBF86822.1 BCIN|XP\_024551255.1 BGRA|VCU41119.1 CFRU|XP\_031893092.1 CGLO|KAF3808363.1 CHIG|XP\_018152441.1 CVIN|KAF4918633.1 CVYL|A09521 FGRM|XP\_011317691.1 MGRA|XP\_003853566.1 MORY|QBZ54497.1 NCRA|XP\_001728346.1 SSCL|APA10296.1

>Orthogroup4875: ANID|CBF86841.1 BCIN|XP\_024552152.1 BGRA|VCU39485.1 CFRU|XP\_031881114.1 CGLO|KAF3809839.1 CHIG|XP\_018161421.1 CVIN|KAF4930608.1 CVYL|A01775 FGRM|XP\_011321464.1 MGRA|XP\_003849494.1 MORY|QBZ65207.1 NCRA|XP\_962782.1 SSCL|APA13158.1

>Orthogroup4876: ANID|CBF86848.1 BCIN|XP\_024552546.1 BGRA|VDB88062.1 CFRU|XP\_031885969.1 CGLO|KAF3805419.1 CHIG|XP\_018155280.1 CVIN|KAF4930345.1 CVYL|A05547 FGRM|XP\_011324657.1 MGRA|XP\_003849648.1 MORY|QBZ54029.1 NCRA|XP\_011393589.1 SSCL|APA08645.1

>Orthogroup4877: ANID|CBF86850.1 BCIN|XP\_024552547.1 BGRA|VDB88063.1 CFRU|XP\_031886180.1 CGLO|KAF3805420.1 CHIG|XP\_018155281.1 CVIN|KAF4930343.1 CVYL|A05548 FGRM|XP\_011324658.1 MLAR|XP\_007418368.1 MORY|QBZ54028.1 NCRA|XP\_963626.1 SSCL|APA08646.1

>Orthogroup4878: ANID|CBF86854.1 BCIN|XP\_024552227.1 BGRA|VCU39499.1 CFRU|XP\_031887647.1 CGLO|KAF3803194.1 CHIG|XP\_018161032.1 CVIN|KAF4920202.1 CVYL|A03624 FGRM|XP\_011323810.1 MLAR|XP\_007416919.1 MORY|QBZ58844.1 NCRA|XP\_964447.2 SSCL|APA13012.1

>Orthogroup4879: ANID|CBF86860.1 BCIN|XP\_001558062.2 BGRA|VCU39179.1 CFRU|XP\_031876712.1 CGLO|KAF3798695.1 CHIG|XP\_018157460.1 CVIN|KAF4918464.1 FGRM|XP\_011321352.1 MGRA|XP\_003849316.1 MLAR|XP\_007414198.1 MORY|QBZ56689.1 NCRA|XP\_011394292.1 SSCL|APA12929.1

>Orthogroup4880: ANID|CBF86861.1 BCIN|XP\_024552147.1 BGRA|VCU39203.1 CFRU|XP\_031876699.1 CGLO|KAF3798704.1 CHIG|XP\_018157450.1 CVIN|KAF4918488.1 CVYL|A09438 FGRM|XP\_011321342.1 MGRA|XP\_003849779.1 MORY|QBZ57161.1 NCRA|XP\_962703.2 SSCL|APA12984.1

>Orthogroup4881: ANID|CBF86869.1 BCIN|XP\_001555283.1 BGRA|VDB88064.1 CFRU|XP\_031886139.1 CGLO|KAF3811962.1 CHIG|XP\_018155272.1 CVIN|KAF4930417.1 CVYL|A05541 FGRM|XP\_011324651.1 MGRA|XP\_003849482.1 MORY|QBZ54043.1 NCRA|XP\_956807.1 SSCL|APA08647.1

>Orthogroup4882: ANID|CBF86871.1 BCIN|XP\_024552513.1 BGRA|VDB92866.1 CFRU|XP\_031879422.1 CGLO|KAF3802390.1 CHIG|XP\_018154686.1 CVIN|KAF4922178.1 CVYL|A13533 FGRM|XP\_011317290.1 MGRA|XP\_003849814.1 MORY|QBZ60977.1 NCRA|XP\_963440.1 SSCL|APA08482.1

>Orthogroup4883: ANID|CBF86882.1 BCIN|XP\_024552544.1 BGRA|VDB88138.1 CFRU|XP\_031886132.1 CGLO|KAF3811963.1 CHIG|XP\_018155271.1 CVIN|KAF4930418.1 CVYL|A05540 FGRM|XP\_011324650.1 MGRA|XP\_003849390.1 MORY|QBZ54044.1 NCRA|XP\_956806.2 SSCL|APA08642.1

>Orthogroup4884: ANID|CBF86883.1 BCIN|XP\_024552618.1 BGRA|VDB88285.1 CFRU|XP\_031879510.1 CGLO|KAF3802391.1 CHIG|XP\_018154685.1 CVIN|KAF4922161.1 CVYL|A13534 FGRM|XP\_011317273.1 MGRA|XP\_003850377.1 MORY|QBZ64847.1 NCRA|XP\_011393655.1 SSCL|APA08725.1

>Orthogroup4885: ANID|CBF86895.1 BCIN|XP\_024552498.1 BGRA|VDB88245.1 CFRU|XP\_031879426.1 CGLO|KAF3802422.1 CHIG|XP\_018154719.1 CVIN|KAF4918226.1 CVYL|A13565 FGRM|XP\_011315950.1 MGRA|XP\_003849359.1 MORY|QBZ64862.1 NCRA|XP\_956856.1 SSCL|APA08506.1

>Orthogroup4886: ANID|CBF86924.1 BCIN|XP\_001557974.1 CFRU|XP\_031888467.1 CGLO|KAF3797803.1 CHIG|XP\_018156479.1 CVIN|KAF4923154.1 CVYL|A03031 FGRM|XP\_011318353.1 MGRA|XP\_003853462.1 MLAR|XP\_007418648.1 MORY|QBZ65845.1 NCRA|XP\_001728031.1 SSCL|APA12679.1

>Orthogroup4887: ANID|CBF86930.1 BCIN|XP\_001547470.2 BGRA|VCU38851.1 CFRU|XP\_031880594.1 CGLO|KAF3811583.1 CHIG|XP\_018160848.1 CVIN|KAF4914885.1 CVYL|A03436 FGRM|XP\_011328164.1 MLAR|XP\_007411685.1 MORY|QBZ56564.1 NCRA|XP\_961899.3 SSCL|APA07340.1

>Orthogroup4888: ANID|CBF86943.1 BCIN|XP\_024545943.1 CFRU|XP\_031887486.1 CGLO|KAF3803195.1 CHIG|XP\_018161033.1 CVIN|KAF4920195.1 CVYL|A03625 FGRM|XP\_011315830.1 FGRM|XP\_011323809.1 MGRA|XP\_003853622.1 MORY|QBZ58885.1 NCRA|XP\_961904.3 SSCL|APA07374.1

>Orthogroup4889: ANID|CBF86944.1 BCIN|XP\_001547460.1 BGRA|VCU38906.1 CFRU|XP\_031880551.1 CGLO|KAF3811584.1 CHIG|XP\_018160849.1 CVIN|KAF4914891.1 CVYL|A03437 FGRM|XP\_011325057.1 MGRA|XP\_003854999.1 MORY|QBZ58861.1 NCRA|XP\_961895.1 SSCL|APA07357.1

>Orthogroup4890: ANID|CBF86946.1 BCIN|XP\_024545924.1 BGRA|VCU38909.1 CFRU|XP\_031880550.1 CGLO|KAF3811586.1 CHIG|XP\_018160851.1 CVIN|KAF4914883.1 CVYL|A03439 FGRM|XP\_011325055.1 MGRA|XP\_003855788.1 MORY|QBZ58863.1 NCRA|XP\_962236.2 SSCL|APA07352.1

>Orthogroup4891: ANID|CBF86963.1 BCIN|XP\_024552751.1 CFRU|XP\_031882421.1 CGLO|KAF3807551.1 CHIG|XP\_018156385.1 CVIN|KAF4928961.1 CVYL|A02932 FGRM|XP\_011318568.1 MGRA|XP\_003851620.1 MLAR|XP\_007418289.1 MORY|QBZ56955.1 NCRA|XP\_960973.1 SSCL|APA07493.1

>Orthogroup4892: ANID|CBF86968.1 BCIN|XP\_001551530.2 BGRA|VDB89791.1 CFRU|XP\_031880472.1 CGLO|KAF3807336.1 CHIG|XP\_018156899.1 CVIN|KAF4920078.1 CVYL|A10820 FGRM|XP\_011320201.1 MGRA|XP\_003857413.1 MORY|QBZ65602.1 NCRA|XP\_964730.3 SSCL|APA11877.1

>Orthogroup4893: ANID|CBF86970.1 BCIN|XP\_024550725.1 BGRA|VDB88101.1 CFRU|XP\_031877678.1 CGLO|KAF3797342.1 CHIG|XP\_018157168.1 CVIN|KAF4917658.1 CVYL|A10349 FGRM|XP\_011319897.1 MGRA|XP\_003856197.1 MORY|QBZ65967.1 NCRA|XP\_965815.1 SSCL|APA11707.1

>Orthogroup4894: ANID|CBF86972.1 BCIN|XP\_001558381.2 BGRA|VDB83640.1 CFRU|XP\_031882569.1 CGLO|KAF3803952.1 CHIG|XP\_018150992.1 CVIN|KAF4925197.1 CVYL|A08850 FGRM|XP\_011323456.1 MLAR|XP\_007405924.1 MORY|QBZ59226.1 NCRA|XP\_961802.1 SSCL|APA13747.1

>Orthogroup4895: ANID|CBF87003.1 BCIN|XP\_001550869.2 BGRA|VCU40982.1 CFRU|XP\_031876374.1 CGLO|KAF3797783.1 CHIG|XP\_018156454.1 CVIN|KAF4923136.1 CVYL|A03005 FGRM|XP\_011318761.1 MGRA|XP\_003855999.1 MLAR|XP\_007408913.1 NCRA|XP\_956571.3 SSCL|APA12418.1

>Orthogroup4896: ANID|CBF87014.1 BCIN|XP\_001546646.1 BGRA|VCU40890.1 CFRU|XP\_031892788.1 CHIG|XP\_018155875.1 CVIN|KAF4900564.1 CVYL|A01275 FGRM|XP\_011319311.1 MGRA|XP\_003856042.1 MLAR|XP\_007406284.1 MORY|QBZ59019.1 NCRA|XP\_961243.2 SSCL|APA11534.1

>Orthogroup4897: ANID|CBF87017.1 BCIN|XP\_024553051.1 CFRU|XP\_031882402.1 CGLO|KAF3807523.1 CHIG|XP\_018156415.1 CVIN|KAF4928935.1 CVYL|A02961 FGRM|XP\_011318607.1 MGRA|XP\_003856791.1 MLAR|XP\_007417268.1 MORY|QBZ63664.1 NCRA|XP\_959728.1 SSCL|APA16150.1

>Orthogroup4898: ANID|CBF87032.1 BCIN|XP\_024552950.1 BGRA|VCU39693.1 CFRU|XP\_031876383.1 CGLO|KAF3797770.1 CHIG|XP\_018156440.1 CVIN|KAF4918827.1 CVYL|A02989 FGRM|XP\_011318774.1 MGRA|XP\_003855912.1 MORY|QBZ63676.1 NCRA|XP\_960067.1 SSCL|APA07582.1

>Orthogroup4899: ANID|CBF87036.1 BCIN|XP\_001551307.1 BGRA|VCU41153.1 CFRU|XP\_031892515.1 CGLO|KAF3809102.1 CHIG|XP\_018155924.1 CVIN|KAF4922118.1 CVYL|A01289 FGRM|XP\_011318891.1 MGRA|XP\_003857663.1 MORY|QBZ57446.1 NCRA|XP\_960880.1 SSCL|APA07581.1

>Orthogroup4900: ANID|CBF87052.1 CFRU|XP\_031878165.1 CFRU|XP\_031886625.1 CGLO|KAF3801828.1 CGLO|KAF3807513.1 CHIG|XP\_018153766.1 CHIG|XP\_018158785.1 CHIG|XP\_018159322.1 CVIN|KAF4895038.1 CVIN|KAF4917524.1 CVYL|A05035 CVYL|A12879 FGRM|XP\_011322637.1

>Orthogroup4901: ANID|CBF87302.1 CFRU|XP\_031877973.1 CFRU|XP\_031881794.1 CFRU|XP\_031884809.1 CGLO|KAF3797827.1 CHIG|XP\_018153943.1 CHIG|XP\_018154916.1 CHIG|XP\_018157669.1 CVIN|KAF4900991.1 CVIN|KAF4916355.1 CVYL|A00298 CVYL|A02258 CVYL|A13014

>Orthogroup4902: ANID|CBF87472.1 BCIN|XP\_001555083.1 BGRA|VDB85920.1 CFRU|XP\_031886863.1 CGLO|KAF3811399.1 CHIG|XP\_018160635.1 CVIN|KAF4919685.1 CVYL|A04592 FGRM|XP\_011327159.1 MGRA|XP\_003850401.1 MORY|QBZ54286.1 NCRA|XP\_960598.2 SSCL|APA07835.1

>Orthogroup4903: ANID|CBF87533.1 BCIN|XP\_001554674.1 BGRA|VDB86033.1 CFRU|XP\_031891324.1 CGLO|KAF3797639.1 CHIG|XP\_018157431.1 CVIN|KAF4893858.1 CVYL|A11018 FGRM|XP\_011323034.1 MGRA|XP\_003854617.1 MORY|QBZ66383.1 NCRA|XP\_011392881.1 SSCL|APA11023.1

>Orthogroup4904: ANID|CBF87535.1 BCIN|XP\_024550589.1 BGRA|VDB84411.1 CFRU|XP\_031891322.1 CGLO|KAF3797641.1 CHIG|XP\_018157433.1 CVIN|KAF4893852.1 CVYL|A11007 FGRM|XP\_011323035.1 MGRA|XP\_003854606.1 MORY|QBZ66369.1 NCRA|XP\_965487.3 SSCL|APA11398.1

>Orthogroup4905: ANID|CBF87540.1 BCIN|XP\_024550440.1 BGRA|VDB84181.1 CFRU|XP\_031892337.1 CGLO|KAF3797149.1 CHIG|XP\_018157095.1 CVIN|KAF4892832.1 CVYL|A10549 FGRM|XP\_011325074.1 MLAR|XP\_007419375.1 MORY|QBZ60429.1 NCRA|XP\_965800.2 SSCL|APA11143.1

>Orthogroup4906: ANID|CBF87572.1 BCIN|XP\_001550090.2 BGRA|VCU41229.1 CFRU|XP\_031885434.1 CGLO|KAF3799526.1 CHIG|XP\_018154515.1 CVIN|KAF4931770.1 CVYL|A13386 MGRA|XP\_003848072.1 MLAR|XP\_007418965.1 MORY|QBZ62071.1 NCRA|XP\_956876.1 SSCL|APA16045.1

>Orthogroup4907: ANID|CBF87578.1 CFRU|XP\_031877126.1 CFRU|XP\_031880403.1 CGLO|KAF3804020.1 CGLO|KAF3807248.1 CHIG|XP\_018150925.1 CHIG|XP\_018156919.1 CVIN|KAF4925177.1 CVIN|KAF4928143.1 CVYL|A08784 CVYL|A10728 FGRM|XP\_011326045.1 MORY|QBZ60817.1

>Orthogroup4908: ANID|CBF87587.1 BCIN|XP\_001553139.2 CFRU|XP\_031881800.1 CGLO|KAF3800660.1 CHIG|XP\_018152032.1 CVIN|KAF4922021.1 CVYL|A13057 FGRM|XP\_011317348.1 MGRA|XP\_003856517.1 MLAR|XP\_007415269.1 MORY|QBZ60305.1 NCRA|XP\_001728160.1 SSCL|APA16074.1

>Orthogroup4909: ANID|CBF87589.1 BCIN|XP\_001553138.1 BGRA|VCU39645.1 CFRU|XP\_031881768.1 CGLO|KAF3800639.1 CHIG|XP\_018152045.1 CVIN|KAF4922016.1 CVYL|A13077 FGRM|XP\_011317349.1 MGRA|XP\_003857158.1 MORY|QBZ60304.1 NCRA|XP\_963524.2 SSCL|APA16075.1

>Orthogroup4910: ANID|CBF87592.1 BCIN|XP\_024552896.1 BGRA|VCU39660.1 CFRU|XP\_031885398.1 CGLO|KAF3799408.1 CHIG|XP\_018152160.1 CVIN|KAF4931816.1 CVYL|A13272 FGRM|XP\_011317365.1 MGRA|XP\_003857214.1 MORY|QBZ53920.1 NCRA|XP\_963506.3 SSCL|APA16068.1

>Orthogroup4911: ANID|CBF87600.1 BCIN|XP\_001557671.1 BGRA|VDB93100.1 CFRU|XP\_031882698.1 CGLO|KAF3800495.1 CHIG|XP\_018152193.1 CVYL|A13219 FGRM|XP\_011321311.1 MGRA|XP\_003848193.1 MLAR|XP\_007408244.1 MORY|QBZ61087.1 NCRA|XP\_963249.1 SSCL|APA12239.1

>Orthogroup4912: ANID|CBF87607.1 BCIN|XP\_024548161.1 BGRA|VCU40967.1 CFRU|XP\_031889151.1 CHIG|XP\_018155690.1 CVIN|KAF4906807.1 CVYL|A00870 FGRM|XP\_011319345.1 MGRA|XP\_003847861.1 MLAR|XP\_007408186.1 MORY|QBZ64628.1 NCRA|XP\_960816.1 SSCL|APA12402.1

>Orthogroup4913: ANID|CBF87615.1 BCIN|XP\_024551575.1 BGRA|VDB89698.1 CFRU|XP\_031890755.1 CGLO|KAF3801672.1 CHIG|XP\_018151450.1 CVIN|KAF4897550.1 CVYL|A12464 FGRM|XP\_011328483.1 MLAR|XP\_007405210.1 MORY|QBZ62195.1 NCRA|XP\_957576.3 SSCL|APA14893.1

>Orthogroup4914: ANID|CBF87619.1 BCIN|XP\_024551577.1 BGRA|VDB92465.1 CFRU|XP\_031885654.1 CGLO|KAF3810124.1 CHIG|XP\_018157957.1 CHIG|XP\_018160157.1 CVIN|KAF4912152.1 CVYL|A02715 FGRM|XP\_011320135.1 MORY|QBZ62144.1 NCRA|XP\_958632.1 SSCL|APA14901.1

>Orthogroup4915: ANID|CBF87622.1 BCIN|XP\_001546621.2 CFRU|XP\_031884757.1 CGLO|KAF3812234.1 CHIG|XP\_018153475.1 CVIN|KAF4919925.1 CVYL|A00152 FGRM|XP\_011316939.1 MGRA|XP\_003856711.1 MLAR|XP\_007413742.1 MORY|QBZ55254.1 NCRA|XP\_011392875.1 SSCL|APA06337.1

>Orthogroup4916: ANID|CBF87624.1 BCIN|XP\_024551905.1 BGRA|VDB95018.1 CFRU|XP\_031879787.1 CHIG|XP\_018153622.1 CVIN|KAF4929924.1 CVYL|A00424 FGRM|XP\_011316922.1 MGRA|XP\_003856972.1 MLAR|XP\_007408170.1 MORY|QBZ55599.1 NCRA|XP\_965129.1 SSCL|APA06326.1

>Orthogroup4917: ANID|CBF87629.1 BCIN|XP\_001556681.2 BGRA|VDB92665.1 CFRU|XP\_031877863.1 CGLO|KAF3804784.1 CHIG|XP\_018164279.1 CVIN|KAF4929771.1 CVYL|A12290 FGRM|XP\_011316130.1 MGRA|XP\_003856997.1 MORY|QBZ55417.1 NCRA|XP\_964173.1 SSCL|APA14801.1

>Orthogroup4918: ANID|CBF87632.1 BCIN|XP\_001558510.1 BGRA|VDB90585.1 CFRU|XP\_031882799.1 CGLO|KAF3812085.1 CHIG|XP\_018164155.1 CVIN|KAF4923717.1 CVYL|A14263 FGRM|XP\_011316194.1 MORY|QBZ54642.1 NCRA|XP\_011393147.1 NCRA|XP\_963911.2 SSCL|APA14692.1

>Orthogroup4919: ANID|CBF87634.1 BCIN|XP\_001558509.1 BGRA|VDB90586.1 CFRU|XP\_031882796.1 CGLO|KAF3812084.1 CHIG|XP\_018164154.1 CVIN|KAF4923711.1 CVYL|A14262 FGRM|XP\_011316195.1 MGRA|XP\_003856859.1 MORY|QBZ54641.1 NCRA|XP\_964492.1 SSCL|APA14693.1

>Orthogroup4920: ANID|CBF87639.1 BCIN|XP\_024552898.1 BGRA|VCU39657.1 CFRU|XP\_031883285.1 CHIG|XP\_018152182.1 CVIN|KAF4919254.1 CVYL|A13191 FGRM|XP\_011325504.1 MGRA|XP\_003856514.1 MLAR|XP\_007416639.1 MORY|QBZ53992.1 NCRA|XP\_956487.1 SSCL|APA16066.1

>Orthogroup4921: ANID|CBF87644.1 BCIN|XP\_024552744.1 BGRA|VCU39686.1 CFRU|XP\_031885550.1 CGLO|KAF3799416.1 CHIG|XP\_018152170.1 CVIN|KAF4931839.1 CVYL|A13280 FGRM|XP\_011317356.1 MGRA|XP\_003857186.1 MORY|QBZ53921.1 NCRA|XP\_963507.1 SSCL|APA07482.1

>Orthogroup4922: ANID|CBF87646.1 BCIN|XP\_024552886.1 BGRA|VCU39634.1 CFRU|XP\_031885546.1 CGLO|KAF3799415.1 CHIG|XP\_018152169.1 CVIN|KAF4931846.1 CVYL|A13279 FGRM|XP\_011317355.1 MGRA|XP\_003856480.1 MORY|QBZ53919.1 NCRA|XP\_001727961.1 SSCL|APA16082.1

>Orthogroup4923: ANID|CBF87647.1 BCIN|XP\_001553140.1 BGRA|VCU39646.1 CFRU|XP\_031881781.1 CGLO|KAF3800638.1 CHIG|XP\_018152046.1 CVIN|KAF4922017.1 CVYL|A13078 FGRM|XP\_011317347.1 MGRA|XP\_003856816.1 MLAR|XP\_007418350.1 MORY|QBZ60299.1 SSCL|APA16073.1

>Orthogroup4924: ANID|CBF87654.1 BCIN|XP\_001545301.2 BGRA|VDB93166.1 CFRU|XP\_031882516.1 CGLO|KAF3809405.1 CHIG|XP\_018156260.1 CVIN|KAF4916407.1 CVYL|A03072 FGRM|XP\_011318927.1 MLAR|XP\_007411279.1 MORY|QBZ62179.1 NCRA|XP\_956553.1 SSCL|APA12746.1

>Orthogroup4925: ANID|CBF87659.1 BCIN|XP\_001557733.1 BGRA|VDB93099.1 CFRU|XP\_031882463.1 CGLO|KAF3807595.1 CHIG|XP\_018156339.1 CVIN|KAF4928888.1 CVYL|A02887 FGRM|XP\_011319008.1 MLAR|XP\_007407938.1 MORY|QBZ54749.1 NCRA|XP\_961634.1 SSCL|APA12200.1

>Orthogroup4926: ANID|CBF87669.1 BCIN|XP\_001557735.1 BGRA|VDB93093.1 BGRA|VDB93094.1 CFRU|XP\_031882469.1 CGLO|KAF3807597.1 CHIG|XP\_018156337.1 CVIN|KAF4928890.1 CVYL|A02884 FGRM|XP\_011319006.1 MORY|QBZ54751.1 NCRA|XP\_961631.1 SSCL|APA12198.1

>Orthogroup4927: ANID|CBF87676.1 BCIN|XP\_001557680.1 CFRU|XP\_031883337.1 CGLO|KAF3800576.1 CHIG|XP\_018152104.1 CVIN|KAF4927049.1 CVYL|A13139 FGRM|XP\_011325676.1 MGRA|XP\_003847975.1 MLAR|XP\_007409338.1 MORY|QBZ62117.1 NCRA|XP\_011393461.1 SSCL|APA12235.1

>Orthogroup4928: ANID|CBF87685.1 BCIN|XP\_024548092.1 BGRA|VDB93161.1 CFRU|XP\_031887311.1 CGLO|KAF3809249.1 CHIG|XP\_018156082.1 CVIN|KAF4925343.1 CVYL|A01440 FGRM|XP\_011319224.1 MGRA|XP\_003848243.1 MORY|QBZ57375.1 NCRA|XP\_011394887.1 SSCL|APA12645.1

>Orthogroup4929: ANID|CBF87688.1 BCIN|XP\_001554465.1 BGRA|VDB93163.1 CFRU|XP\_031887313.1 CGLO|KAF3809251.1 CHIG|XP\_018156084.1 CVIN|KAF4925337.1 CVYL|A01442 FGRM|XP\_011318864.1 MGRA|XP\_003847850.1 MORY|QBZ62172.1 NCRA|XP\_956546.1 SSCL|APA12643.1

>Orthogroup4930: ANID|CBF87690.1 BCIN|XP\_001554477.2 BGRA|VDB93159.1 CFRU|XP\_031887314.1 CGLO|KAF3809252.1 CHIG|XP\_018156085.1 CVIN|KAF4925340.1 CVYL|A01443 FGRM|XP\_011318863.1 MGRA|XP\_003848065.1 MORY|QBZ62173.1 NCRA|XP\_956558.2 SSCL|APA12651.1

>Orthogroup4931: ANID|CBF87699.1 BCIN|XP\_001545306.1 BGRA|VDB93154.1 CFRU|XP\_031887318.1 CGLO|KAF3809255.1 CHIG|XP\_018156088.1 CVIN|KAF4925302.1 CVYL|A01447 FGRM|XP\_011318860.1 MGRA|XP\_003848129.1 MORY|QBZ62177.1 NCRA|XP\_011394880.1 SSCL|APA12648.1

>Orthogroup4932: ANID|CBF87703.1 BCIN|XP\_024548451.1 BGRA|VDB93118.1 CFRU|XP\_031887308.1 CGLO|KAF3809232.1 CHIG|XP\_018156060.1 CVIN|KAF4925289.1 CVYL|A01422 FGRM|XP\_011319111.1 MGRA|XP\_003847941.1 MLAR|XP\_007409380.1 NCRA|XP\_961328.2 SSCL|APA12230.1

>Orthogroup4933: ANID|CBF87708.1 BCIN|XP\_001557526.1 BGRA|VDB93221.1 CFRU|XP\_031889378.1 CHIG|XP\_018155710.1 CVIN|KAF4908022.1 CVYL|A00857 FGRM|XP\_011319259.1 MGRA|XP\_003848032.1 MLAR|XP\_007414956.1 MORY|QBZ58071.1 NCRA|XP\_011394753.1 SSCL|APA12367.1

>Orthogroup4934: ANID|CBF87713.1 BCIN|XP\_024552797.1 BGRA|VCU41370.1 CFRU|XP\_031883316.1 CGLO|KAF3800615.1 CHIG|XP\_018152064.1 CVYL|A13102 FGRM|XP\_011316335.1 MGRA|XP\_003848128.1 MORY|QBZ54436.1 NCRA|XP\_963488.1 NCRA|XP\_964691.1 SSCL|APA16042.1

>Orthogroup4935: ANID|CBF87766.1 BCIN|XP\_024551600.1 BGRA|VDB95071.1 CFRU|XP\_031883373.1 CHIG|XP\_018159236.1 CVIN|KAF4922946.1 CVYL|A12980 FGRM|XP\_011320273.1 MGRA|XP\_003856698.1 MLAR|XP\_007413615.1 MORY|QBZ62854.1 NCRA|XP\_960396.3 SSCL|APA14838.1

>Orthogroup4936: ANID|CBF87767.1 BCIN|XP\_024551586.1 BGRA|VDB92647.1 CFRU|XP\_031879811.1 CGLO|KAF3802963.1 CHIG|XP\_018153650.1 CVIN|KAF4929997.1 CVYL|A00395 FGRM|XP\_011317091.1 MGRA|XP\_003856725.1 MORY|QBZ63857.1 NCRA|XP\_011393011.1 SSCL|APA14880.1

>Orthogroup4937: ANID|CBF87769.1 BCIN|XP\_024551587.1 BGRA|VDB92646.1 CFRU|XP\_031879844.1 CGLO|KAF3802962.1 CHIG|XP\_018153652.1 CVIN|KAF4929998.1 FGRM|XP\_011317090.1 MGRA|XP\_003856956.1 MLAR|XP\_007411247.1 MORY|QBZ63860.1 NCRA|XP\_965108.2 SSCL|APA14881.1

>Orthogroup4938: ANID|CBF87790.1 BCIN|XP\_001560948.1 BGRA|VDB89504.1 CFRU|XP\_031889125.1 CGLO|KAF3797711.1 CHIG|XP\_018155499.1 CVIN|KAF4928306.1 CVYL|A01065 FGRM|XP\_011328469.1 MGRA|XP\_003856575.1 MORY|QBZ59953.1 NCRA|XP\_960112.3 SSCL|APA06680.1

>Orthogroup4939: ANID|CBF87791.1 BCIN|XP\_024546395.1 BGRA|VDB89501.1 CFRU|XP\_031876474.1 CGLO|KAF3797997.1 CHIG|XP\_018158044.1 CVYL|A08359 FGRM|XP\_011323864.1 MGRA|XP\_003856615.1 MLAR|XP\_007405840.1 MORY|QBZ62694.1 NCRA|XP\_957650.2 SSCL|APA07211.1

>Orthogroup4940: ANID|CBF87796.1 BCIN|XP\_001556841.1 BGRA|VDB89492.1 CFRU|XP\_031884828.1 CGLO|KAF3801043.1 CHIG|XP\_018153290.1 CVYL|A00340 FGRM|XP\_011321573.1 MGRA|XP\_003856613.1 MLAR|XP\_007417348.1 MORY|QBZ54965.1 NCRA|XP\_962027.1 SSCL|APA14613.1

>Orthogroup4941: ANID|CBF87807.1 BCIN|XP\_001556840.1 BGRA|VDB89494.1 CFRU|XP\_031884831.1 CGLO|KAF3801042.1 CHIG|XP\_018153289.1 CVIN|KAF4890507.1 CVYL|A00341 FGRM|XP\_011321574.1 MGRA|XP\_003856221.1 MORY|QBZ54966.1 NCRA|XP\_962026.1 SSCL|APA14612.1

>Orthogroup4942: ANID|CBF87829.1 BCIN|XP\_001556845.1 BGRA|VDB90596.1 CFRU|XP\_031888370.1 CGLO|KAF3803597.1 CHIG|XP\_018163868.1 CVIN|KAF4920352.1 CVYL|A14532 FGRM|XP\_011316776.1 MGRA|XP\_003857430.1 MORY|QBZ55386.1 NCRA|XP\_965472.3 SSCL|APA14809.1

>Orthogroup4943: ANID|CBF87833.1 BCIN|XP\_001558392.1 BGRA|VDB95009.1 CFRU|XP\_031883969.1 CHIG|XP\_018163385.1 CVIN|KAF4927401.1 CVYL|A06427 FGRM|XP\_011324175.1 MGRA|XP\_003856598.1 MLAR|XP\_007413721.1 MORY|QBZ59508.1 NCRA|XP\_011394274.1 SSCL|APA06298.1

>Orthogroup4944: ANID|CBF87841.1 BCIN|XP\_001553523.1 BGRA|VDB90614.1 CFRU|XP\_031877880.1 CGLO|KAF3804792.1 CHIG|XP\_018164286.1 CVIN|KAF4929811.1 CVYL|A12281 FGRM|XP\_011316226.1 MGRA|XP\_003857272.1 MORY|QBZ55360.1 NCRA|XP\_964020.1 SSCL|APA06781.1

>Orthogroup4945: ANID|CBF87844.1 BCIN|XP\_024551782.1 CFRU|XP\_031879790.1 CGLO|KAF3803012.1 CHIG|XP\_018153561.1 CVIN|KAF4929993.1 CVYL|A00025 FGRM|XP\_011326803.1 MGRA|XP\_003856882.1 MLAR|XP\_007409972.1 MORY|QBZ55453.1 NCRA|XP\_963869.3 SSCL|APA14635.1

>Orthogroup4946: ANID|CBF87846.1 BCIN|XP\_024551784.1 BGRA|VDB95044.1 CFRU|XP\_031879789.1 CGLO|KAF3803013.1 CHIG|XP\_018153562.1 CVIN|KAF4929992.1 CVYL|A00026 FGRM|XP\_011326804.1 MGRA|XP\_003856803.1 MORY|QBZ55452.1 NCRA|XP\_011393066.1 SSCL|APA14636.1

>Orthogroup4947: ANID|CBF87848.1 BCIN|XP\_024551852.1 BGRA|VDB95011.1 CFRU|XP\_031882720.1 CGLO|KAF3803396.1 CHIG|XP\_018163935.1 CVIN|KAF4918414.1 CVYL|A14326 FGRM|XP\_011316150.1 MLAR|XP\_007407130.1 MORY|QBZ56004.1 NCRA|XP\_965306.1 SSCL|APA06292.1

>Orthogroup4948: ANID|CBF87856.1 BCIN|XP\_024551781.1 BGRA|VDB95046.1 CFRU|XP\_031879791.1 CGLO|KAF3803011.1 CHIG|XP\_018153560.1 CVIN|KAF4929913.1 CVYL|A00023 FGRM|XP\_011326802.1 MGRA|XP\_003856802.1 MORY|QBZ55455.1 NCRA|XP\_963870.1 SSCL|APA14634.1

>Orthogroup4949: ANID|CBF87865.1 BCIN|XP\_024551931.1 BGRA|VDB95029.1 CFRU|XP\_031883880.1 CGLO|KAF3805151.1 CHIG|XP\_018163361.1 CVIN|KAF4927425.1 CVYL|A06405 FGRM|XP\_011321681.1 MGRA|XP\_003856809.1 MORY|QBZ59393.1 NCRA|XP\_962427.1 SSCL|APA06369.1

>Orthogroup4950: ANID|CBF87879.1 BCIN|XP\_001556625.1 BGRA|VDB92670.1 CFRU|XP\_031892407.1 CGLO|KAF3803063.1 CHIG|XP\_018153535.1 CVIN|KAF4919874.1 CVYL|A00073 FGRM|XP\_011316125.1 MGRA|XP\_003856668.1 MORY|QBZ55607.1 NCRA|XP\_965125.1 SSCL|APA14765.1

>Orthogroup4951: ANID|CBF87894.1 BCIN|XP\_024551811.1 BGRA|VDB90606.1 CFRU|XP\_031888372.1 CGLO|KAF3803595.1 CHIG|XP\_018163870.1 CVIN|KAF4920354.1 CVYL|A14530 FGRM|XP\_011316774.1 MGRA|XP\_003856928.1 MORY|QBZ55384.1 NCRA|XP\_965479.1 SSCL|APA14691.1

>Orthogroup4952: ANID|CBF87900.1 BCIN|XP\_001556880.1 BGRA|VDB89455.1 CFRU|XP\_031879795.1 CGLO|KAF3803007.1 CHIG|XP\_018153554.1 CVIN|KAF4929901.1 CVYL|A00019 FGRM|XP\_011316954.1 MLAR|XP\_007415489.1 MORY|QBZ63198.1 NCRA|XP\_964166.2 SSCL|APA14616.1

>Orthogroup4953: ANID|CBF87920.1 BCIN|XP\_001550403.1 BGRA|VDB95091.1 CFRU|XP\_031879837.1 CGLO|KAF3803004.1 CHIG|XP\_018153604.1 CVIN|KAF4929948.1 CVYL|A00016 FGRM|XP\_011316957.1 MGRA|XP\_003856830.1 MORY|QBZ63171.1 NCRA|XP\_963788.1 SSCL|APA06014.1

>Orthogroup4954: ANID|CBF87934.1 BCIN|XP\_001545901.2 BGRA|VDB92549.1 CFRU|XP\_031876490.1 CGLO|KAF3796991.1 CHIG|XP\_018153695.1 CVIN|KAF4894837.1 CVYL|A00301 FGRM|XP\_011317123.1 MGRA|XP\_003857151.1 MORY|QBZ63970.1 NCRA|XP\_965352.2 SSCL|APA14862.1

>Orthogroup4955: ANID|CBF87937.1 BCIN|XP\_001545904.1 BGRA|VDB95034.1 CFRU|XP\_031890451.1 CGLO|KAF3804966.1 CHIG|XP\_018164472.1 CVIN|KAF4910230.1 FGRM|XP\_011317121.1 MGRA|XP\_003856540.1 MLAR|XP\_007403783.1 MORY|QBZ61483.1 NCRA|XP\_965350.1 SSCL|APA14860.1

>Orthogroup4956: ANID|CBF87950.1 BCIN|XP\_024551747.1 CFRU|XP\_031893152.1 CGLO|KAF3809456.1 CHIG|XP\_018152714.1 CVIN|KAF4921267.1 CVYL|A10023 FGRM|XP\_011317904.1 FGRM|XP\_011319344.1 MGRA|XP\_003856477.1 MORY|QBZ54101.1 NCRA|XP\_960611.2 SSCL|APA14813.1

>Orthogroup4957: ANID|CBF87970.1 BCIN|XP\_001558455.1 BGRA|VDB95020.1 CFRU|XP\_031888567.1 CHIG|XP\_018163882.1 CVIN|KAF4920376.1 CVYL|A14519 FGRM|XP\_011316763.1 MGRA|XP\_003857017.1 MLAR|XP\_007411556.1 MORY|QBZ55371.1 NCRA|XP\_964058.1 SSCL|APA14728.1

>Orthogroup4958: ANID|CBF88005.1 BCIN|XP\_001550416.2 BGRA|VDB89453.1 CFRU|XP\_031883959.1 CGLO|KAF3805073.1 CHIG|XP\_018163444.1 CVIN|KAF4927414.1 CVYL|A06487 FGRM|XP\_011318746.1 MGRA|XP\_003856939.1 MORY|QBZ54169.1 NCRA|XP\_957479.2 SSCL|APA06027.1

>Orthogroup4959: ANID|CBF88009.1 BCIN|XP\_024551898.1 BGRA|VDB94785.1 CFRU|XP\_031876495.1 CGLO|KAF3797009.1 CHIG|XP\_018153675.1 CVYL|A00375 FGRM|XP\_011317159.1 MGRA|XP\_003857058.1 MLAR|XP\_007410711.1 MORY|QBZ63935.1 NCRA|XP\_963732.3 SSCL|APA06319.1

>Orthogroup4960: ANID|CBF88020.1 BCIN|XP\_024551820.1 BGRA|VDB90583.1 CFRU|XP\_031888565.1 CGLO|KAF3803583.1 CHIG|XP\_018163884.1 CVIN|KAF4920371.1 CVYL|A14517 FGRM|XP\_011316760.1 MGRA|XP\_003857165.1 MORY|QBZ55365.1 NCRA|XP\_959625.1 SSCL|APA14705.1

>Orthogroup4961: ANID|CBF88029.1 BCIN|XP\_001547808.1 BGRA|VCU38804.1 CFRU|XP\_031891525.1 CGLO|KAF3804551.1 CHIG|XP\_018160387.1 CVIN|KAF4924535.1 CVYL|A04269 FGRM|XP\_011326695.1 MGRA|XP\_003857215.1 MORY|QBZ56907.1 NCRA|XP\_961564.1 SSCL|APA15449.1

>Orthogroup4962: ANID|CBF88044.1 BCIN|XP\_001557615.1 BGRA|VDB92999.1 CFRU|XP\_031886347.1 CGLO|KAF3811880.1 CHIG|XP\_018155166.1 CVIN|KAF4920593.1 CVYL|A06169 FGRM|XP\_011317386.1 MGRA|XP\_003857080.1 MLAR|XP\_007416523.1 NCRA|XP\_963498.1 SSCL|APA12306.1

>Orthogroup4963: ANID|CBF88062.1 BCIN|XP\_024551809.1 CFRU|XP\_031888525.1 CGLO|KAF3803568.1 CHIG|XP\_018163913.1 CVIN|KAF4922261.1 CVYL|A14502 FGRM|XP\_011316996.1 MGRA|XP\_003856935.1 MLAR|XP\_007406957.1 MORY|QBZ56033.1 NCRA|XP\_011393079.1 SSCL|APA14685.1

>Orthogroup4964: ANID|CBF88078.1 BCIN|XP\_001551993.1 CFRU|XP\_031881575.1 CGLO|KAF3807391.1 CHIG|XP\_018156825.1 CVIN|KAF4929609.1 CVYL|A10883 FGRM|XP\_011328318.1 MGRA|XP\_003850711.1 MLAR|XP\_007406096.1 MORY|QBZ65581.1 NCRA|XP\_965057.1 SSCL|APA10986.1

>Orthogroup4965: ANID|CBF88087.1 BCIN|XP\_001558465.2 BGRA|VDB95019.1 CFRU|XP\_031888570.1 CGLO|KAF3803586.1 CHIG|XP\_018163879.1 CVIN|KAF4920378.1 CVYL|A14521 FGRM|XP\_011316765.1 MGRA|XP\_003848162.1 MORY|QBZ55369.1 NCRA|XP\_965241.1 SSCL|APA14710.1

>Orthogroup4966: ANID|CBF88096.1 BCIN|XP\_001559318.1 CFRU|XP\_031886485.1 CGLO|KAF3806375.1 CHIG|XP\_018162215.1 CVIN|KAF4923268.1 CVYL|A11964 FGRM|XP\_011326591.1 MGRA|XP\_003856903.1 MLAR|XP\_007416233.1 MORY|QBZ55515.1 NCRA|XP\_957765.1 SSCL|APA07860.1

>Orthogroup4967: ANID|CBF88098.1 BCIN|XP\_001558522.1 BGRA|VDB90610.1 CFRU|XP\_031888523.1 CGLO|KAF3803570.1 CHIG|XP\_018163915.1 CVIN|KAF4922259.1 CVYL|A14504 FGRM|XP\_011316744.1 MGRA|XP\_003856695.1 MORY|QBZ56035.1 NCRA|XP\_963858.1 SSCL|APA14683.1

>Orthogroup4968: ANID|CBF88100.1 BCIN|XP\_001558523.2 CFRU|XP\_031888524.1 CGLO|KAF3803571.1 CHIG|XP\_018163916.1 CVIN|KAF4922260.1 CVYL|A14505 FGRM|XP\_011316745.1 MGRA|XP\_003856996.1 MLAR|XP\_007403491.1 MORY|QBZ56036.1 NCRA|XP\_963859.1 SSCL|APA14682.1

>Orthogroup4969: ANID|CBF88102.1 BCIN|XP\_001556629.1 BGRA|VDB92656.1 CFRU|XP\_031877811.1 CGLO|KAF3804779.1 CHIG|XP\_018164272.1 CVIN|KAF4929795.1 CVYL|A12295 FGRM|XP\_011316136.1 MLAR|XP\_007408598.1 MORY|QBZ55426.1 NCRA|XP\_011393077.1 SSCL|APA14769.1

>Orthogroup4970: ANID|CBF88104.1 BCIN|XP\_024551664.1 BGRA|VDB92663.1 CFRU|XP\_031877865.1 CGLO|KAF3804782.1 CHIG|XP\_018164277.1 CVIN|KAF4929828.1 CVYL|A12292 FGRM|XP\_011316132.1 MGRA|XP\_003856778.1 MORY|QBZ55430.1 NCRA|XP\_964175.1 SSCL|APA14798.1

>Orthogroup4971: ANID|CBF88119.1 BCIN|XP\_024549236.1 CFRU|XP\_031877039.1 CGLO|KAF3811114.1 CHIG|XP\_018152934.1 CVIN|KAF4905172.1 CVYL|A07971 FGRM|XP\_011328010.1 MGRA|XP\_003851600.1 MGRA|XP\_003856219.1 MORY|QBZ64146.1 NCRA|XP\_964940.2 SSCL|APA09033.1

>Orthogroup4972: ANID|CBF88130.1 BCIN|XP\_001560841.1 BGRA|VDB94816.1 CFRU|XP\_031891564.1 CGLO|KAF3804681.1 CHIG|XP\_018161754.1 CVIN|KAF4898354.1 CVYL|A05202 FGRM|XP\_011321521.1 MGRA|XP\_003855424.1 MORY|QBZ59577.1 NCRA|XP\_956695.1 SSCL|APA08067.1

>Orthogroup4973: ANID|CBF88145.1 BCIN|XP\_024550383.1 CFRU|XP\_031891533.1 CGLO|KAF3804696.1 CHIG|XP\_018161766.1 CVIN|KAF4923386.1 CVYL|A05189 FGRM|XP\_011321518.1 MGRA|XP\_003855075.1 MLAR|XP\_007412723.1 MORY|QBZ61374.1 NCRA|XP\_011393719.1 SSCL|APA11073.1

>Orthogroup4974: ANID|CBF88159.1 BCIN|XP\_001545716.1 BGRA|VDB94579.1 CFRU|XP\_031887046.1 CGLO|KAF3811446.1 CHIG|XP\_018160689.1 CVIN|KAF4917872.1 CVYL|A04647 FGRM|XP\_011327225.1 MLAR|XP\_007413336.1 MORY|QBZ53844.1 NCRA|XP\_960772.2 SSCL|APA11315.1

>Orthogroup4975: ANID|CBF88186.1 BCIN|XP\_001560826.2 BGRA|VDB94690.1 CFRU|XP\_031886848.1 CGLO|KAF3811351.1 CHIG|XP\_018160586.1 CVIN|KAF4921007.1 CVYL|A04535 FGRM|XP\_011326856.1 MGRA|XP\_003854931.1 MORY|QBZ56996.1 NCRA|XP\_961493.3 SSCL|APA08057.1

>Orthogroup4976: ANID|CBF88197.1 BCIN|XP\_024550533.1 BGRA|VDB94576.1 CFRU|XP\_031887045.1 CGLO|KAF3811447.1 CHIG|XP\_018160690.1 CVIN|KAF4917871.1 CVYL|A04648 FGRM|XP\_011327226.1 MGRA|XP\_003853635.1 MORY|QBZ53843.1 NCRA|XP\_960574.3 SSCL|APA11314.1

>Orthogroup4977: ANID|CBF88199.1 BCIN|XP\_024550276.1 BGRA|VDB94741.1 CFRU|XP\_031886961.1 CGLO|KAF3811331.1 CHIG|XP\_018160558.1 CVIN|KAF4927216.1 CVYL|A04513 FGRM|XP\_011326900.1 MGRA|XP\_003855701.1 MORY|QBZ57012.1 NCRA|XP\_961516.3 SSCL|APA10945.1

>Orthogroup4978: ANID|CBF88223.1 BCIN|XP\_024550343.1 CFRU|XP\_031891552.1 CGLO|KAF3797443.1 CHIG|XP\_018157406.1 CVIN|KAF4929358.1 CVYL|A10234 FGRM|XP\_011323016.1 MGRA|XP\_003855020.1 MLAR|XP\_007415773.1 MORY|QBZ66375.1 NCRA|XP\_959147.1 SSCL|APA11015.1

>Orthogroup4979: ANID|CBF88234.1 BCIN|XP\_001558615.1 BGRA|VDB93842.1 CFRU|XP\_031885974.1 CGLO|KAF3811967.1 CHIG|XP\_018155267.1 CVIN|KAF4930422.1 CVYL|A05536 FGRM|XP\_011317370.1 MLAR|XP\_007414375.1 MORY|QBZ54454.1 NCRA|XP\_955807.3 SSCL|APA05686.1

>Orthogroup4980: ANID|CBF88236.1 BCIN|XP\_024546954.1 CFRU|XP\_031885524.1 CGLO|KAF3799449.1 CHIG|XP\_018154436.1 CVIN|KAF4931900.1 CVYL|A13311 FGRM|XP\_011316559.1 MGRA|XP\_003848936.1 MLAR|XP\_007408674.1 MORY|QBZ54384.1 NCRA|XP\_956522.2 SSCL|APA05998.1

>Orthogroup4981: ANID|CBF88261.1 BCIN|XP\_024549634.1 CFRU|XP\_031880500.1 CGLO|KAF3811508.1 CHIG|XP\_018160763.1 CVIN|KAF4926765.1 CVYL|A04714 FGRM|XP\_011317805.1 MGRA|XP\_003849058.1 MLAR|XP\_007406705.1 MORY|QBZ58784.1 NCRA|XP\_011394150.1 SSCL|APA05751.1

>Orthogroup4982: ANID|CBF88265.1 BCIN|XP\_024547954.1 CFRU|XP\_031882582.1 CGLO|KAF3803942.1 CHIG|XP\_018151004.1 CVIN|KAF4925202.1 CVYL|A08861 FGRM|XP\_011317828.1 MGRA|XP\_003849333.1 MLAR|XP\_007404190.1 MORY|QBZ56335.1 NCRA|XP\_962508.1 SSCL|APA08395.1

>Orthogroup4983: ANID|CBF88330.1 BCIN|XP\_024553381.1 BGRA|VDB83650.1 CFRU|XP\_031880507.1 CGLO|KAF3811567.1 CHIG|XP\_018160828.1 CVIN|KAF4898057.1 CVYL|A04779 FGRM|XP\_011328095.1 MGRA|XP\_003849169.1 MORY|QBZ56673.1 NCRA|XP\_962166.2 SSCL|APA13713.1

>Orthogroup4984: ANID|CBF88334.1 BCIN|XP\_024553046.1 BGRA|VCU41381.1 CFRU|XP\_031882377.1 CGLO|KAF3807563.1 CHIG|XP\_018156367.1 CVIN|KAF4928906.1 CVYL|A02920 FGRM|XP\_011318933.1 MGRA|XP\_003857417.1 MORY|QBZ57119.1 NCRA|XP\_960975.1 SSCL|APA16155.1

>Orthogroup4985: ANID|CBF88343.1 BCIN|XP\_001547248.1 BGRA|VCU38943.1 CFRU|XP\_031888109.1 CGLO|KAF3802155.1 CHIG|XP\_018154262.1 CVIN|KAF4907208.1 CVYL|A03238 FGRM|XP\_011320253.1 MGRA|XP\_003852561.1 MORY|QBZ66285.1 NCRA|XP\_964334.1 SSCL|APA07392.1

>Orthogroup4986: ANID|CBF88350.1 BCIN|XP\_001551502.2 CFRU|XP\_031880501.1 CGLO|KAF3811504.1 CHIG|XP\_018160760.1 CVIN|KAF4926803.1 CVYL|A04711 FGRM|XP\_011317802.1 MGRA|XP\_003849160.1 MLAR|XP\_007406310.1 MORY|QBZ58781.1 NCRA|XP\_962069.1 SSCL|APA05753.1

>Orthogroup4987: ANID|CBF88360.1 BCIN|XP\_024549636.1 BGRA|VDB83698.1 CFRU|XP\_031885385.1 CGLO|KAF3798654.1 CHIG|XP\_018157506.1 CVIN|KAF4919447.1 CVYL|A09392 FGRM|XP\_011324837.1 MGRA|XP\_003849112.1 MORY|QBZ64519.1 NCRA|XP\_011394386.1 SSCL|APA05749.1

>Orthogroup4988: ANID|CBF88364.1 BCIN|XP\_024547956.1 CFRU|XP\_031876542.1 CGLO|KAF3811478.1 CHIG|XP\_018160731.1 CVIN|KAF4907409.1 CVYL|A04682 FGRM|XP\_011317774.1 MGRA|XP\_003848759.1 MLAR|XP\_007406769.1 MORY|QBZ56562.1 NCRA|XP\_962678.3 SSCL|APA08385.1

>Orthogroup4989: ANID|CBF88369.1 BCIN|XP\_001547110.2 BGRA|VDB83635.1 CFRU|XP\_031882684.1 CGLO|KAF3803947.1 CHIG|XP\_018151000.1 CVIN|KAF4925156.1 CVYL|A08856 FGRM|XP\_011317830.1 MGRA|XP\_003848894.1 MORY|QBZ56341.1 NCRA|XP\_962512.1 SSCL|APA08394.1

>Orthogroup4990: ANID|CBF88373.1 BCIN|XP\_024549641.1 CFRU|XP\_031885326.1 CGLO|KAF3806488.1 CHIG|XP\_018157522.1 CVIN|KAF4919468.1 CVYL|A09381 FGRM|XP\_011324832.1 MGRA|XP\_003849109.1 MLAR|XP\_007417237.1 MORY|QBZ64522.1 NCRA|XP\_962279.1 SSCL|APA06197.1

>Orthogroup4991: ANID|CBF88384.1 BCIN|XP\_001560625.1 BGRA|VDB94665.1 CFRU|XP\_031881302.1 CGLO|KAF3802484.1 CHIG|XP\_018154788.1 CVIN|KAF4907437.1 CVYL|A02076 FGRM|XP\_011316533.1 MLAR|XP\_007414025.1 MORY|QBZ56654.1 NCRA|XP\_956368.1 SSCL|APA07930.1

>Orthogroup4992: ANID|CBF88385.1 BCIN|XP\_024547708.1 BGRA|VDB94667.1 CFRU|XP\_031881155.1 CGLO|KAF3802485.1 CHIG|XP\_018154790.1 CVIN|KAF4907443.1 CVYL|A02077 FGRM|XP\_011316534.1 MGRA|XP\_003855584.1 MORY|QBZ56655.1 NCRA|XP\_956369.1 SSCL|APA07929.1

>Orthogroup4993: ANID|CBF88398.1 BCIN|XP\_001557462.2 BGRA|VCU41035.1 CFRU|XP\_031886686.1 CGLO|KAF3800276.1 CHIG|XP\_018162767.1 CVIN|KAF4927615.1 CVYL|A06960 FGRM|XP\_011318458.1 MLAR|XP\_007403553.1 MORY|QBZ61597.1 NCRA|XP\_957353.2 SSCL|APA10640.1

>Orthogroup4994: ANID|CBF88430.1 BCIN|XP\_001556948.1 BGRA|VDB87767.1 CFRU|XP\_031886566.1 CGLO|KAF3804066.1 CHIG|XP\_018162699.1 CVIN|KAF4919561.1 CVYL|A07028 FGRM|XP\_011327054.1 MGRA|XP\_003854901.1 MORY|QBZ61430.1 NCRA|XP\_957131.1 SSCL|APA10556.1

>Orthogroup4995: ANID|CBF88448.1 BCIN|XP\_024551340.1 CFRU|XP\_031886359.1 CGLO|KAF3806395.1 CHIG|XP\_018162272.1 CVIN|KAF4923277.1 CVYL|A11985 FGRM|XP\_011326567.1 MGRA|XP\_003855450.1 MLAR|XP\_007404732.1 MORY|QBZ55781.1 NCRA|XP\_011393864.1 SSCL|APA10529.1

>Orthogroup4996: ANID|CBF88454.1 BCIN|XP\_024551305.1 BGRA|VCU41086.1 CFRU|XP\_031876922.1 CGLO|KAF3810721.1 CHIG|XP\_018162579.1 CVIN|KAF4932092.1 CVYL|A07233 FGRM|XP\_011323976.1 MGRA|XP\_003849198.1 MORY|QBZ63873.1 NCRA|XP\_011393826.1 SSCL|APA10580.1

>Orthogroup4997: ANID|CBF88456.1 BCIN|XP\_001548042.1 BGRA|VDB89160.1 CFRU|XP\_031876952.1 CGLO|KAF3810710.1 CHIG|XP\_018162476.1 CVIN|KAF4908244.1 CVYL|A07244 FGRM|XP\_011323981.1 MGRA|XP\_003855143.1 MORY|QBZ61530.1 NCRA|XP\_957351.2 SSCL|APA10512.1

>Orthogroup4998: ANID|CBF88457.1 BCIN|XP\_001557469.2 BGRA|VCU41045.1 CFRU|XP\_031885137.1 CGLO|KAF3800320.1 CHIG|XP\_018162941.1 CVIN|KAF4927817.1 CVYL|A06910 FGRM|XP\_011326258.1 MLAR|XP\_007413731.1 MORY|QBZ59686.1 NCRA|XP\_957703.2 SSCL|APA10637.1

>Orthogroup4999: ANID|CBF88472.1 BCIN|XP\_001559811.1 BGRA|VDB93282.1 CFRU|XP\_031890337.1 CGLO|KAF3806703.1 CHIG|XP\_018158677.1 CVIN|KAF4925968.1 CVYL|A14009 FGRM|XP\_011315939.1 MGRA|XP\_003853464.1 MORY|QBZ55746.1 NCRA|XP\_001728558.2 SSCL|APA09688.1

>Orthogroup5000: ANID|CBF88479.1 BCIN|XP\_001546303.1 BGRA|VDB83950.1 CFRU|XP\_031889985.1 CGLO|KAF3802931.1 CHIG|XP\_018158532.1 CVIN|KAF4925588.1 CVYL|A05087 FGRM|XP\_011316349.1 MGRA|XP\_003857552.1 MORY|QBZ55984.1 NCRA|XP\_965784.2 SSCL|APA09823.1

>Orthogroup5001: ANID|CBF88515.1 BCIN|XP\_024551482.1 BGRA|VCU39506.1 CFRU|XP\_031876956.1 CGLO|KAF3810725.1 CHIG|XP\_018162584.1 CVIN|KAF4932028.1 CVYL|A07228 FGRM|XP\_011323972.1 MGRA|XP\_003854910.1 MORY|QBZ63896.1 NCRA|XP\_011393861.1 SSCL|APA10398.1

>Orthogroup5002: ANID|CBF88517.1 BCIN|XP\_024551483.1 BGRA|VCU39507.1 CFRU|XP\_031876943.1 CGLO|KAF3810724.1 CHIG|XP\_018162582.1 CVIN|KAF4932029.1 CVYL|A07229 FGRM|XP\_011323973.1 MGRA|XP\_003854911.1 MORY|QBZ63894.1 NCRA|XP\_956177.2 SSCL|APA10397.1

>Orthogroup5003: ANID|CBF88530.1 BCIN|XP\_024547712.1 CFRU|XP\_031883383.1 CGLO|KAF3800513.1 CHIG|XP\_018152287.1 CVYL|A13201 FGRM|XP\_011323669.1 MGRA|XP\_003855281.1 MLAR|XP\_007408120.1 MLAR|XP\_007418747.1 MORY|QBZ64833.1 NCRA|XP\_955878.2 SSCL|APA07936.1

>Orthogroup5004: ANID|CBF88543.1 BCIN|XP\_024551362.1 BGRA|VCU41017.1 CFRU|XP\_031893451.1 CGLO|KAF3808351.1 CHIG|XP\_018152410.1 CVIN|KAF4918636.1 CVYL|A09510 FGRM|XP\_011317714.1 MGRA|XP\_003854846.1 MORY|QBZ54488.1 NCRA|XP\_961471.1 SSCL|APA10480.1

>Orthogroup5005: ANID|CBF88552.1 BCIN|XP\_024551484.1 BGRA|VCU39508.1 CFRU|XP\_031876941.1 CGLO|KAF3810722.1 CHIG|XP\_018162580.1 CVIN|KAF4932093.1 CVYL|A07232 FGRM|XP\_011323975.1 MLAR|XP\_007407225.1 MORY|QBZ63889.1 NCRA|XP\_956179.2 SSCL|APA10395.1

>Orthogroup5006: ANID|CBF88554.1 BCIN|XP\_024551406.1 BGRA|VDB89094.1 CFRU|XP\_031886575.1 CGLO|KAF3800279.1 CHIG|XP\_018162763.1 CVIN|KAF4927551.1 CVYL|A06957 FGRM|XP\_011318455.1 MGRA|XP\_003855608.1 MORY|QBZ61593.1 NCRA|XP\_011393923.1 SSCL|APA10643.1

>Orthogroup5007: ANID|CBF88569.1 BCIN|XP\_024548642.1 BGRA|VDB84079.1 CFRU|XP\_031890554.1 CHIG|XP\_018158639.1 CVIN|KAF4926013.1 CVYL|A13974 FGRM|XP\_011316460.1 MGRA|XP\_003856073.1 MLAR|XP\_007408491.1 MORY|QBZ56086.1 NCRA|XP\_964989.1 SSCL|APA09961.1

>Orthogroup5008: ANID|CBF88577.1 BCIN|XP\_024550762.1 CFRU|XP\_031878884.1 CGLO|KAF3797498.1 CHIG|XP\_018161277.1 CVIN|KAF4921624.1 CVYL|A01947 FGRM|XP\_011323695.1 MGRA|XP\_003850425.1 MLAR|XP\_007408022.1 MORY|QBZ60091.1 NCRA|XP\_960187.1 SSCL|APA11642.1

>Orthogroup5009: ANID|CBF88580.1 BCIN|XP\_001559103.2 CFRU|XP\_031887739.1 CGLO|KAF3807127.1 CHIG|XP\_018160947.1 CVIN|KAF4920177.1 CVYL|A03524 FGRM|XP\_011323618.1 MGRA|XP\_003857504.1 MGRA|XP\_003857626.1 MORY|QBZ56297.1 NCRA|XP\_962311.3 SSCL|APA09055.1

>Orthogroup5010: ANID|CBF88588.1 CFRU|XP\_031881156.1 CFRU|XP\_031883987.1 CGLO|KAF3797446.1 CGLO|KAF3802478.1 CHIG|XP\_018154781.1 CHIG|XP\_018162202.1 CVIN|KAF4907436.1 CVIN|KAF4920664.1 CVYL|A02070 CVYL|A09880 FGRM|XP\_011325466.1 MORY|QBZ55334.1

>Orthogroup5011: ANID|CBF88594.1 BCIN|XP\_024549504.1 BGRA|VDB93981.1 CFRU|XP\_031887554.1 CGLO|KAF3807119.1 CHIG|XP\_018160955.1 CVIN|KAF4920156.1 CVYL|A03516 FGRM|XP\_011323603.1 MGRA|XP\_003857539.1 MORY|QBZ56317.1 NCRA|XP\_962313.2 SSCL|APA09136.1

>Orthogroup5012: ANID|CBF88596.1 BCIN|XP\_024549394.1 BGRA|VDB94015.1 CFRU|XP\_031887735.1 CGLO|KAF3807130.1 CHIG|XP\_018160944.1 CVIN|KAF4920178.1 CVYL|A03526 FGRM|XP\_011323613.1 MLAR|XP\_007410692.1 MORY|QBZ56291.1 NCRA|XP\_962307.3 SSCL|APA09059.1

>Orthogroup5013: ANID|CBF88599.1 BCIN|XP\_001546772.1 BGRA|VDB93983.1 CFRU|XP\_031887555.1 CGLO|KAF3807122.1 CHIG|XP\_018160952.1 CVIN|KAF4920159.1 CVYL|A03520 FGRM|XP\_011323606.1 MLAR|XP\_007415980.1 MORY|QBZ56288.1 NCRA|XP\_962305.2 SSCL|APA09139.1

>Orthogroup5014: ANID|CBF88602.1 BCIN|XP\_024549502.1 BGRA|VDB86375.1 CFRU|XP\_031887556.1 CGLO|KAF3807121.1 CHIG|XP\_018160953.1 CVIN|KAF4920158.1 CVYL|A03519 FGRM|XP\_011323605.1 MGRA|XP\_003851697.1 MORY|QBZ56287.1 NCRA|XP\_962304.1 SSCL|APA09138.1

>Orthogroup5015: ANID|CBF88603.1 BCIN|XP\_001559098.1 BGRA|VDB94014.1 CFRU|XP\_031887734.1 CGLO|KAF3807129.1 CHIG|XP\_018160945.1 CVIN|KAF4920174.1 CVYL|A03525 FGRM|XP\_011323614.1 MLAR|XP\_007417498.1 MORY|QBZ56292.1 NCRA|XP\_011394250.1 SSCL|APA09058.1

>Orthogroup5016: ANID|CBF88613.1 BCIN|XP\_024551179.1 CFRU|XP\_031882584.1 CGLO|KAF3803910.1 CHIG|XP\_018150560.1 CHIG|XP\_018152777.1 CVIN|KAF4925468.1 CVYL|A08891 FGRM|XP\_011321767.1 FGRM|XP\_011328756.1 MGRA|XP\_003849184.1 MORY|QBZ58233.1 SSCL|APA10168.1

>Orthogroup5017: ANID|CBF88615.1 BCIN|XP\_024551400.1 BGRA|VCU39793.1 CFRU|XP\_031884343.1 CHIG|XP\_018162366.1 CVIN|KAF4908640.1 CVYL|A12070 FGRM|XP\_011323917.1 MGRA|XP\_003848795.1 MLAR|XP\_007419620.1 MORY|QBZ61523.1 NCRA|XP\_959011.2 SSCL|APA10629.1

>Orthogroup5018: ANID|CBF88632.1 BCIN|XP\_001557475.1 CFRU|XP\_031893523.1 CGLO|KAF3808344.1 CHIG|XP\_018152400.1 CVIN|KAF4918627.1 CVYL|A09503 FGRM|XP\_011317702.1 MGRA|XP\_003855595.1 MLAR|XP\_007414635.1 MORY|QBZ54494.1 NCRA|XP\_961468.2 SSCL|APA10630.1

>Orthogroup5019: ANID|CBF88636.1 BCIN|XP\_024547480.1 BGRA|VDB90443.1 CFRU|XP\_031886246.1 CGLO|KAF3811894.1 CHIG|XP\_018155162.1 CVIN|KAF4920597.1 CVYL|A06167 FGRM|XP\_011317376.1 MGRA|XP\_003855603.1 MORY|QBZ53748.1 NCRA|XP\_963640.3 SSCL|APA07654.1

>Orthogroup5020: ANID|CBF88640.1 BCIN|XP\_024547436.1 BGRA|VDB90331.1 CGLO|KAF3811885.1 CHIG|XP\_018155169.1 CVIN|KAF4920560.1 CVYL|A06178 FGRM|XP\_011317387.1 MGRA|XP\_003855064.1 MLAR|XP\_007409202.1 MORY|QBZ53758.1 NCRA|XP\_956822.1 SSCL|APA15970.1

>Orthogroup5021: ANID|CBF88653.1 BCIN|XP\_024551427.1 BGRA|VDB87620.1 CFRU|XP\_031893455.1 CGLO|KAF3808339.1 CHIG|XP\_018152395.1 CVIN|KAF4918630.1 CVYL|A09498 FGRM|XP\_011317693.1 MGRA|XP\_003854866.1 MORY|QBZ54514.1 NCRA|XP\_011394565.1 SSCL|APA10667.1

>Orthogroup5022: ANID|CBF88686.1 BCIN|XP\_001557482.1 BGRA|VDB89130.1 CFRU|XP\_031885053.1 CGLO|KAF3807702.1 CHIG|XP\_018162937.1 CVYL|A07209 FGRM|XP\_011326249.1 MGRA|XP\_003855332.1 MLAR|XP\_007410867.1 MORY|QBZ59747.1 NCRA|XP\_001728501.2 SSCL|APA10627.1

>Orthogroup5023: ANID|CBF88688.1 BCIN|XP\_024551392.1 BGRA|VDB89136.1 CFRU|XP\_031885164.1 CGLO|KAF3807687.1 CHIG|XP\_018162913.1 CVIN|KAF4927836.1 CVYL|A06880 FGRM|XP\_011326265.1 MLAR|XP\_007403942.1 MORY|QBZ59699.1 NCRA|XP\_956604.1 SSCL|APA10624.1

>Orthogroup5024: ANID|CBF88710.1 BCIN|XP\_024551004.1 BGRA|VDB92579.1 CFRU|XP\_031882441.1 CGLO|KAF3807538.1 CHIG|XP\_018156398.1 CVIN|KAF4928922.1 CVYL|A02945 FGRM|XP\_011318577.1 MGRA|XP\_003852947.1 MORY|QBZ56948.1 NCRA|XP\_955781.2 SSCL|APA11632.1

>Orthogroup5025: ANID|CBF88714.1 BCIN|XP\_001557865.1 CFRU|XP\_031887633.1 CGLO|KAF3803228.1 CHIG|XP\_018161068.1 CVIN|KAF4928670.1 CVYL|A03659 FGRM|XP\_011324208.1 MGRA|XP\_003855972.1 MLAR|XP\_007412243.1 MORY|QBZ56257.1 NCRA|XP\_962629.2 SSCL|APA12818.1

>Orthogroup5026: ANID|CBF88716.1 BCIN|XP\_001548082.1 CFRU|XP\_031890220.1 CGLO|KAF3802898.1 CHIG|XP\_018158489.1 CVIN|KAF4913030.1 CVYL|A05115 FGRM|XP\_011316402.1 MGRA|XP\_003857599.1 MLAR|XP\_007415024.1 MORY|QBZ55931.1 NCRA|XP\_011392850.1 SSCL|APA09516.1

>Orthogroup5027: ANID|CBF88721.1 BCIN|XP\_024548676.1 BGRA|VDB93270.1 CFRU|XP\_031889998.1 CGLO|KAF3802918.1 CHIG|XP\_018158519.1 CVIN|KAF4925569.1 CVYL|A05097 FGRM|XP\_011316632.1 MGRA|XP\_003856134.1 MORY|QBZ55950.1 NCRA|XP\_965002.1 SSCL|APA09890.1

>Orthogroup5028: ANID|CBF88727.1 BCIN|XP\_001552060.1 BGRA|VDB83916.1 CFRU|XP\_031889989.1 CGLO|KAF3802933.1 CHIG|XP\_018158536.1 CVIN|KAF4925590.1 CVYL|A05085 FGRM|XP\_011316351.1 MLAR|XP\_007409382.1 MORY|QBZ55987.1 NCRA|XP\_965018.1 SSCL|APA09997.1

>Orthogroup5029: ANID|CBF88739.1 BCIN|XP\_024548639.1 CFRU|XP\_031886770.1 CGLO|KAF3798915.1 CHIG|XP\_018158576.1 CVIN|KAF4917515.1 CVYL|A05038 FGRM|XP\_011316644.1 MGRA|XP\_003855948.1 MLAR|XP\_007406371.1 MORY|QBZ60498.1 NCRA|XP\_965700.3 SSCL|APA09963.1

>Orthogroup5030: ANID|CBF88747.1 BCIN|XP\_024548638.1 BGRA|VDB83992.1 CFRU|XP\_031886578.1 CHIG|XP\_018158577.1 CVIN|KAF4917516.1 CVYL|A05039 FGRM|XP\_011328434.1 MGRA|XP\_003857520.1 MLAR|XP\_007404604.1 MORY|QBZ60497.1 NCRA|XP\_965701.2 SSCL|APA09964.1

>Orthogroup5031: ANID|CBF88748.1 BCIN|XP\_001559789.1 BGRA|VDB83883.1 CFRU|XP\_031890549.1 CGLO|KAF3806690.1 CHIG|XP\_018158659.1 CVIN|KAF4925989.1 CVYL|A13994 FGRM|XP\_011316648.1 MGRA|XP\_003857670.1 MORY|QBZ55478.1 NCRA|XP\_964100.1 SSCL|APA09670.1

>Orthogroup5032: ANID|CBF88752.1 BCIN|XP\_024548796.1 BGRA|VDB93288.1 CFRU|XP\_031890433.1 CGLO|KAF3798139.1 CHIG|XP\_018158631.1 CVIN|KAF4926031.1 CVYL|A13966 FGRM|XP\_011316596.1 MGRA|XP\_003853473.1 MORY|QBZ56080.1 NCRA|XP\_964185.1 SSCL|APA09658.1

>Orthogroup5033: ANID|CBF88767.1 BCIN|XP\_024548626.1 BGRA|VDB84092.1 CFRU|XP\_031890434.1 CGLO|KAF3798138.1 CHIG|XP\_018158632.1 CVIN|KAF4926032.1 CVYL|A13968 FGRM|XP\_011323398.1 MGRA|XP\_003853470.1 MORY|QBZ56081.1 NCRA|XP\_964184.2 SSCL|APA09851.1

>Orthogroup5034: ANID|CBF88783.1 BCIN|XP\_001558420.1 CFRU|XP\_031890883.1 CGLO|KAF3801486.1 CHIG|XP\_018151916.1 CVIN|KAF4916378.1 CVYL|A12643 FGRM|XP\_011322592.1 MGRA|XP\_003850836.1 MGRA|XP\_003855442.1 MORY|QBZ58462.1 NCRA|XP\_959648.1 SSCL|APA06281.1

>Orthogroup5035: ANID|CBF88796.1 BCIN|XP\_024551877.1 BGRA|VDB91163.1 CFRU|XP\_031877814.1 CGLO|KAF3804769.1 CHIG|XP\_018164269.1 CVIN|KAF4929734.1 CVYL|A12311 FGRM|XP\_011316717.1 MGRA|XP\_003854857.1 MORY|QBZ56390.1 NCRA|XP\_011393306.1 SSCL|APA05384.1

>Orthogroup5036: ANID|CBF88806.1 BCIN|XP\_001557450.1 CFRU|XP\_031892980.1 CGLO|KAF3797480.1 CHIG|XP\_018152388.1 CVIN|KAF4898433.1 CVYL|A09490 FGRM|XP\_011317720.1 MGRA|XP\_003855031.1 MLAR|XP\_007409055.1 MORY|QBZ54464.1 NCRA|XP\_961479.2 SSCL|APA10654.1

>Orthogroup5037: ANID|CBF88811.1 BCIN|XP\_024551090.1 BGRA|VDB95315.1 CFRU|XP\_031892562.1 CGLO|KAF3807204.1 CHIG|XP\_018157010.1 CVIN|KAF4928154.1 CVYL|A10692 FGRM|XP\_011320233.1 MGRA|XP\_003848779.1 MORY|QBZ60437.1 NCRA|XP\_964874.2 SSCL|APA12037.1

>Orthogroup5038: ANID|CBF88819.1 BCIN|XP\_001553232.1 BGRA|VDB89528.1 CFRU|XP\_031888111.1 CGLO|KAF3802297.1 CHIG|XP\_018154399.1 CVIN|KAF4924415.1 CVYL|A10640 FGRM|XP\_011319769.1 MLAR|XP\_007415879.1 MORY|QBZ65774.1 NCRA|XP\_964112.1 SSCL|APA12069.1

>Orthogroup5039: ANID|CBF88826.1 BCIN|XP\_001545066.1 BGRA|VDB89530.1 CFRU|XP\_031888114.1 CGLO|KAF3802299.1 CHIG|XP\_018154401.1 CVIN|KAF4924393.1 CVYL|A10662 FGRM|XP\_011319766.1 MGRA|XP\_003855145.1 MORY|QBZ65776.1 NCRA|XP\_964114.3 SSCL|APA12086.1

>Orthogroup5040: ANID|CBF88835.1 BCIN|XP\_001550036.1 BGRA|VCU41078.1 CFRU|XP\_031893141.1 CGLO|KAF3797482.1 CHIG|XP\_018152385.1 CVIN|KAF4898434.1 CVYL|A09487 FGRM|XP\_011317723.1 MLAR|XP\_007409208.1 MORY|QBZ54047.1 NCRA|XP\_961280.1 SSCL|APA10476.1

>Orthogroup5041: ANID|CBF88843.1 ANID|CBF89451.1 BCIN|XP\_024548853.1 BGRA|VCU41315.1 CFRU|XP\_031890968.1 CGLO|KAF3811718.1 CHIG|XP\_018151815.1 CVYL|A12735 FGRM|XP\_011319400.1 MGRA|XP\_003853749.1 MORY|QBZ61926.1 NCRA|XP\_959659.2 SSCL|APA09468.1

>Orthogroup5042: ANID|CBF88845.1 BCIN|XP\_024549518.1 BGRA|VDB93977.1 CFRU|XP\_031887779.1 CGLO|KAF3807148.1 CHIG|XP\_018160981.1 CVIN|KAF4920189.1 CVYL|A03549 FGRM|XP\_011327949.1 MLAR|XP\_007409057.1 MORY|QBZ58805.1 NCRA|XP\_962072.2 SSCL|APA09114.1

>Orthogroup5043: ANID|CBF88862.1 BCIN|XP\_001559775.1 BGRA|VCU40266.1 CFRU|XP\_031890618.1 CHIG|XP\_018158626.1 CVIN|KAF4926008.1 CVYL|A13961 FGRM|XP\_011316590.1 MGRA|XP\_003852794.1 MLAR|XP\_007415394.1 MORY|QBZ60515.1 NCRA|XP\_965680.1 SSCL|APA09662.1

>Orthogroup5044: ANID|CBF88866.1 BCIN|XP\_001557408.1 CFRU|XP\_031893142.1 CGLO|KAF3797479.1 CHIG|XP\_018152389.1 CVIN|KAF4898436.1 CVYL|A09491 FGRM|XP\_011317719.1 MGRA|XP\_003855458.1 MLAR|XP\_007408011.1 MORY|QBZ54465.1 NCRA|XP\_961478.1 SSCL|APA10669.1

>Orthogroup5045: ANID|CBF88892.1 BCIN|XP\_024547081.1 BGRA|VDB83844.1 CFRU|XP\_031879050.1 CGLO|KAF3798831.1 CHIG|XP\_018151224.1 CVIN|KAF4919578.1 CVYL|A09103 FGRM|XP\_011328022.1 MGRA|XP\_003851444.1 MLAR|XP\_007414840.1 NCRA|XP\_955908.1 SSCL|APA06161.1

>Orthogroup5046: ANID|CBF88898.1 BCIN|XP\_001552905.1 BGRA|VDB83611.1 CFRU|XP\_031882685.1 CGLO|KAF3803950.1 CHIG|XP\_018150996.1 CVIN|KAF4925150.1 CVYL|A08853 FGRM|XP\_011323755.1 MLAR|XP\_007412888.1 MORY|QBZ61675.1 NCRA|XP\_955913.1 SSCL|APA06166.1

>Orthogroup5047: ANID|CBF88903.1 BCIN|XP\_024553425.1 BGRA|VDB83639.1 CGLO|KAF3803957.1 CHIG|XP\_018150987.1 CVIN|KAF4925201.1 CVYL|A08845 FGRM|XP\_011323419.1 MGRA|XP\_003851662.1 MLAR|XP\_007414644.1 MORY|QBZ54795.1 NCRA|XP\_961731.1 SSCL|APA13740.1

>Orthogroup5048: ANID|CBF88916.1 BCIN|XP\_001558601.1 BGRA|VCU40099.1 CFRU|XP\_031887591.1 CGLO|KAF3811641.1 CHIG|XP\_018160917.1 CVIN|KAF4921462.1 CVYL|A03502 FGRM|XP\_011323587.1 MGRA|XP\_003851678.1 MLAR|XP\_007413204.1 NCRA|XP\_962659.1 SSCL|APA05696.1

>Orthogroup5049: ANID|CBF88920.1 BCIN|XP\_024551864.1 BGRA|VCU39348.1 CFRU|XP\_031879019.1 CHIG|XP\_018151238.1 CVIN|KAF4912783.1 CVYL|A09144 FGRM|XP\_011328080.1 MGRA|XP\_003851527.1 MLAR|XP\_007412198.1 MORY|QBZ55239.1 NCRA|XP\_962120.1 SSCL|APA05405.1

>Orthogroup5050: ANID|CBF88925.1 BCIN|XP\_024549757.1 BGRA|VCU40098.1 CFRU|XP\_031885450.1 CHIG|XP\_018157568.1 CVIN|KAF4921359.1 CVYL|A09340 FGRM|XP\_011328060.1 MGRA|XP\_003856177.1 MLAR|XP\_007413431.1 MORY|QBZ64512.1 NCRA|XP\_962394.1 SSCL|APA05693.1

>Orthogroup5051: ANID|CBF88942.1 BCIN|XP\_024552649.1 BGRA|VDB88240.1 CFRU|XP\_031882564.1 CGLO|KAF3800473.1 CHIG|XP\_018152222.1 CVIN|KAF4906666.1 CVYL|A13238 FGRM|XP\_011321329.1 MGRA|XP\_003856090.1 MORY|QBZ62045.1 NCRA|XP\_956008.2 SSCL|APA15582.1

>Orthogroup5052: ANID|CBF88944.1 BCIN|XP\_001548219.2 BGRA|VDB88238.1 CFRU|XP\_031882662.1 CHIG|XP\_018152223.1 CVIN|KAF4906659.1 CVYL|A13239 FGRM|XP\_011321330.1 MGRA|XP\_003856081.1 MLAR|XP\_007410236.1 MORY|QBZ62044.1 NCRA|XP\_956000.1 SSCL|APA15583.1

>Orthogroup5053: ANID|CBF88960.1 BCIN|XP\_024552657.1 BGRA|VDB88351.1 CFRU|XP\_031882659.1 CGLO|KAF3796937.1 CHIG|XP\_018152227.1 CVIN|KAF4901182.1 FGRM|XP\_011325694.1 MGRA|XP\_003857595.1 MLAR|XP\_007409127.1 MORY|QBZ62050.1 NCRA|XP\_001728430.2 SSCL|APA15559.1

>Orthogroup5054: ANID|CBF88965.1 BCIN|XP\_024553429.1 BGRA|VDB83673.1 CFRU|XP\_031877096.1 CGLO|KAF3803960.1 CHIG|XP\_018150984.1 CVIN|KAF4925198.1 CVYL|A08842 FGRM|XP\_011323417.1 MGRA|XP\_003851523.1 MORY|QBZ59208.1 NCRA|XP\_957504.2 SSCL|APA13736.1

>Orthogroup5055: ANID|CBF88967.1 BCIN|XP\_024553541.1 BGRA|VDB83683.1 CFRU|XP\_031877110.1 CGLO|KAF3803961.1 CHIG|XP\_018150983.1 CVIN|KAF4925193.1 CVYL|A08841 FGRM|XP\_011323415.1 MGRA|XP\_003851950.1 MORY|QBZ59211.1 NCRA|XP\_957505.3 SSCL|APA13716.1

>Orthogroup5056: ANID|CBF88973.1 BCIN|XP\_024553037.1 BGRA|VCU41242.1 CFRU|XP\_031887394.1 CGLO|KAF3809295.1 CHIG|XP\_018156122.1 CVIN|KAF4921064.1 CVYL|A01489 FGRM|XP\_011318831.1 MGRA|XP\_003857237.1 MORY|QBZ64615.1 NCRA|XP\_960704.3 SSCL|APA16170.1

>Orthogroup5057: ANID|CBF88977.1 BCIN|XP\_024553035.1 BGRA|VCU39695.1 CFRU|XP\_031887390.1 CGLO|KAF3809297.1 CHIG|XP\_018156131.1 CVIN|KAF4911358.1 CVYL|A01493 FGRM|XP\_011318830.1 MGRA|XP\_003856419.1 MORY|QBZ64614.1 NCRA|XP\_960703.2 SSCL|APA16175.1

>Orthogroup5058: ANID|CBF88983.1 BCIN|XP\_024552856.1 BGRA|VDB86300.1 CFRU|XP\_031892516.1 CGLO|KAF3809095.1 CHIG|XP\_018155895.1 CVIN|KAF4922114.1 CVYL|A01282 FGRM|XP\_011319200.1 MGRA|XP\_003857240.1 MORY|QBZ58952.1 NCRA|XP\_960907.1 SSCL|APA16129.1

>Orthogroup5059: ANID|CBF88986.1 BCIN|XP\_001553096.1 BGRA|VCU39615.1 CFRU|XP\_031889472.1 CGLO|KAF3808837.1 CHIG|XP\_018155738.1 CVIN|KAF4909984.1 CVYL|A01244 FGRM|XP\_011318920.1 FGRM|XP\_011326099.1 MORY|QBZ53859.1 NCRA|XP\_961415.2 SSCL|APA16111.1

>Orthogroup5060: ANID|CBF88988.1 BCIN|XP\_024549215.1 BGRA|VDB90553.1 CFRU|XP\_031888473.1 CGLO|KAF3803500.1 CHIG|XP\_018164030.1 CVIN|KAF4908044.1 CVYL|A14429 FGRM|XP\_011327126.1 MGRA|XP\_003857426.1 MORY|QBZ63184.1 NCRA|XP\_963974.3 SSCL|APA09010.1

>Orthogroup5061: ANID|CBF89006.1 BCIN|XP\_001552826.1 BGRA|VCU41231.1 CFRU|XP\_031889452.1 CHIG|XP\_018155721.1 CVIN|KAF4908033.1 CVYL|A01260 FGRM|XP\_011319149.1 MGRA|XP\_003848480.1 MLAR|XP\_007407880.1 MORY|QBZ58726.1 NCRA|XP\_960696.1 SSCL|APA07604.1

>Orthogroup5062: ANID|CBF89007.1 BCIN|XP\_024552953.1 CFRU|XP\_031887365.1 CGLO|KAF3809304.1 CHIG|XP\_018156138.1 CVIN|KAF4911373.1 CVYL|A01500 FGRM|XP\_011318913.1 MGRA|XP\_003856892.1 MLAR|XP\_007414308.1 MORY|QBZ62227.1 NCRA|XP\_011394889.1 SSCL|APA07591.1

>Orthogroup5063: ANID|CBF89009.1 BCIN|XP\_001547586.2 BGRA|VCU41308.1 CFRU|XP\_031889073.1 CGLO|KAF3808700.1 CHIG|XP\_018155564.1 CVIN|KAF4929578.1 CVYL|A00962 FGRM|XP\_011321109.1 MGRA|XP\_003856622.1 MORY|QBZ60096.1 NCRA|XP\_957395.1 SSCL|APA07455.1

>Orthogroup5064: ANID|CBF89014.1 BCIN|XP\_001547585.1 CFRU|XP\_031889074.1 CGLO|KAF3808699.1 CHIG|XP\_018155563.1 CVIN|KAF4929579.1 CVYL|A00961 FGRM|XP\_011321110.1 MGRA|XP\_003857395.1 MLAR|XP\_007409930.1 MORY|QBZ60092.1 NCRA|XP\_957396.1 SSCL|APA07454.1

>Orthogroup5065: ANID|CBF89020.1 BCIN|XP\_024552732.1 BGRA|VDB91186.1 CFRU|XP\_031889105.1 CGLO|KAF3803083.1 CHIG|XP\_018155586.1 CVIN|KAF4929631.1 CVYL|A00975 FGRM|XP\_011321124.1 MGRA|XP\_003856718.1 MORY|QBZ60093.1 NCRA|XP\_957413.1 SSCL|APA07467.1

>Orthogroup5066: ANID|CBF89034.1 BCIN|XP\_001553511.1 CFRU|XP\_031891573.1 CGLO|KAF3804680.1 CHIG|XP\_018161753.1 CVIN|KAF4898358.1 CVYL|A05203 FGRM|XP\_011321522.1 MGRA|XP\_003851132.1 MLAR|XP\_007404223.1 MLAR|XP\_007404224.1 NCRA|XP\_956702.3 SSCL|APA10856.1

>Orthogroup5067: ANID|CBF89045.1 BCIN|XP\_001553127.1 BGRA|VCU39633.1 CFRU|XP\_031887149.1 CGLO|KAF3809229.1 CHIG|XP\_018156056.1 CVIN|KAF4925328.1 CVYL|A01419 FGRM|XP\_011319042.1 MGRA|XP\_003856326.1 MORY|QBZ57366.1 NCRA|XP\_011394525.1 SSCL|APA16086.1

>Orthogroup5068: ANID|CBF89049.1 BCIN|XP\_001552874.1 CFRU|XP\_031882491.1 CGLO|KAF3807633.1 CHIG|XP\_018156296.1 CVIN|KAF4921406.1 CVYL|A03117 FGRM|XP\_011319036.1 MGRA|XP\_003856210.1 MLAR|XP\_007412228.1 MORY|QBZ62485.1 NCRA|XP\_960869.1 SSCL|APA16009.1

>Orthogroup5069: ANID|CBF89053.1 BCIN|XP\_001560013.1 BGRA|VDB89304.1 CFRU|XP\_031886291.1 CGLO|KAF3806175.1 CHIG|XP\_018162159.1 CVIN|KAF4931559.1 CVYL|A11761 FGRM|XP\_011324081.1 MGRA|XP\_003856571.1 MORY|QBZ62961.1 NCRA|XP\_957774.1 SSCL|APA09976.1

>Orthogroup5070: ANID|CBF89058.1 BCIN|XP\_024548938.1 BGRA|VDB87828.1 CFRU|XP\_031886472.1 CGLO|KAF3806168.1 CHIG|XP\_018162046.1 CVIN|KAF4931475.1 CVYL|A11753 FGRM|XP\_011324087.1 MGRA|XP\_003856425.1 MORY|QBZ59561.1 NCRA|XP\_956407.1 SSCL|APA09528.1

>Orthogroup5071: ANID|CBF89062.1 BCIN|XP\_024548936.1 BGRA|VDB89288.1 CFRU|XP\_031886477.1 CGLO|KAF3806171.1 CHIG|XP\_018162157.1 CVIN|KAF4931575.1 CVYL|A11757 FGRM|XP\_011324090.1 MGRA|XP\_003857389.1 MORY|QBZ61384.1 NCRA|XP\_956584.1 SSCL|APA09531.1

>Orthogroup5072: ANID|CBF89067.1 BCIN|XP\_024552918.1 BGRA|VCU41299.1 CFRU|XP\_031887264.1 CGLO|KAF3809272.1 CHIG|XP\_018156108.1 CVIN|KAF4921068.1 CVYL|A01465 FGRM|XP\_011318837.1 MGRA|XP\_003856473.1 MORY|QBZ62209.1 NCRA|XP\_961233.1 SSCL|APA07535.1

>Orthogroup5073: ANID|CBF89071.1 BCIN|XP\_024552861.1 BGRA|VCU39613.1 CFRU|XP\_031889469.1 CGLO|KAF3808832.1 CHIG|XP\_018155743.1 CVIN|KAF4909993.1 CVYL|A01249 FGRM|XP\_011319329.1 MLAR|XP\_007409063.1 MORY|QBZ53864.1 NCRA|XP\_958175.2 SSCL|APA16125.1

>Orthogroup5074: ANID|CBF89087.1 BCIN|XP\_024547443.1 BGRA|VDB90351.1 CFRU|XP\_031881150.1 CGLO|KAF3802520.1 CHIG|XP\_018154841.1 CVIN|KAF4918997.1 CVYL|A02112 FGRM|XP\_011316702.1 MGRA|XP\_003855416.1 MORY|QBZ64818.1 NCRA|XP\_958197.1 SSCL|APA15983.1

>Orthogroup5075: ANID|CBF89097.1 BCIN|XP\_001546276.2 BGRA|VCU39786.1 CFRU|XP\_031886540.1 CGLO|KAF3800285.1 CHIG|XP\_018162773.1 CVIN|KAF4927557.1 CVYL|A06949 FGRM|XP\_011318470.1 MGRA|XP\_003854839.1 MLAR|XP\_007411828.1 NCRA|XP\_956672.1 SSCL|APA10243.1

>Orthogroup5076: ANID|CBF89105.1 BCIN|XP\_024551187.1 CFRU|XP\_031886240.1 CGLO|KAF3806391.1 CHIG|XP\_018162266.1 CVIN|KAF4923237.1 CVYL|A11981 FGRM|XP\_011326563.1 MGRA|XP\_003855333.1 MLAR|XP\_007414681.1 MORY|QBZ55784.1 NCRA|XP\_959002.3 SSCL|APA10157.1

>Orthogroup5077: ANID|CBF89112.1 BCIN|XP\_024551189.1 CFRU|XP\_031886238.1 CGLO|KAF3806393.1 CHIG|XP\_018162269.1 CVIN|KAF4923254.1 CVYL|A11983 FGRM|XP\_011326585.1 MGRA|XP\_003855144.1 MLAR|XP\_007412898.1 MORY|QBZ55770.1 NCRA|XP\_959005.1 SSCL|APA10154.1

>Orthogroup5078: ANID|CBF89151.1 BCIN|XP\_001549862.1 BGRA|VDB85974.1 CFRU|XP\_031886839.1 CGLO|KAF3811354.1 CHIG|XP\_018160579.1 CVIN|KAF4921043.1 CVYL|A04543 FGRM|XP\_011326877.1 MGRA|XP\_003851378.1 MORY|QBZ62510.1 NCRA|XP\_961511.1 SSCL|APA08245.1

>Orthogroup5079: ANID|CBF89155.1 BCIN|XP\_001560687.1 BGRA|VDB85973.1 CFRU|XP\_031882277.1 CGLO|KAF3804468.1 CHIG|XP\_018160304.1 CVIN|KAF4930908.1 CVYL|A04182 FGRM|XP\_011326878.1 MGRA|XP\_003857265.1 MLAR|XP\_007413407.1 NCRA|XP\_961356.2 SSCL|APA07971.1

>Orthogroup5080: ANID|CBF89162.1 BCIN|XP\_024552171.1 CFRU|XP\_031878543.1 CGLO|KAF3798522.1 CHIG|XP\_018161199.1 CVIN|KAF4917493.1 CVYL|A03803 FGRM|XP\_011327903.1 MGRA|XP\_003849627.1 MLAR|XP\_007414204.1 MORY|QBZ57198.1 NCRA|XP\_964442.3 SSCL|APA13083.1

>Orthogroup5081: ANID|CBF89171.1 BCIN|XP\_024552078.1 BGRA|VCU39283.1 CFRU|XP\_031882593.1 CGLO|KAF3803858.1 CHIG|XP\_018151056.1 CVIN|KAF4925415.1 CVYL|A08950 FGRM|XP\_011324260.1 MGRA|XP\_003849760.1 MORY|QBZ56868.1 NCRA|XP\_957516.1 SSCL|APA12859.1

>Orthogroup5082: ANID|CBF89190.1 BCIN|XP\_001550275.1 CFRU|XP\_031878644.1 CGLO|KAF3798530.1 CHIG|XP\_018161208.1 CVIN|KAF4919299.1 CVYL|A03794 FGRM|XP\_011327978.1 MGRA|XP\_003849392.1 MLAR|XP\_007414306.1 MORY|QBZ57212.1 NCRA|XP\_961967.1 SSCL|APA12852.1

>Orthogroup5083: ANID|CBF89214.1 BCIN|XP\_001554742.2 BGRA|VDB87812.1 CFRU|XP\_031878025.1 CGLO|KAF3799593.1 CHIG|XP\_018154588.1 CVIN|KAF4926454.1 CVYL|A13454 FGRM|XP\_011321228.1 MGRA|XP\_003849295.1 MORY|QBZ54423.1 NCRA|XP\_956474.1 SSCL|APA15477.1

>Orthogroup5084: ANID|CBF89219.1 BCIN|XP\_001559480.1 CFRU|XP\_031893261.1 CGLO|KAF3800878.1 CHIG|XP\_018150812.1 CVIN|KAF4911856.1 CVYL|A11116 FGRM|XP\_011327306.1 MGRA|XP\_003851399.1 MLAR|XP\_007406228.1 MORY|QBZ57830.1 NCRA|XP\_963887.3 SSCL|APA07636.1

>Orthogroup5085: ANID|CBF89223.1 BCIN|XP\_001553899.1 BGRA|VCU39169.1 CFRU|XP\_031885302.1 CHIG|XP\_018157538.1 CVIN|KAF4921325.1 CVYL|A09368 FGRM|XP\_011328070.1 MGRA|XP\_003849661.1 MLAR|XP\_007416351.1 MORY|QBZ56353.1 NCRA|XP\_961813.1 SSCL|APA13050.1

>Orthogroup5086: ANID|CBF89230.1 BCIN|XP\_001557950.2 CFRU|XP\_031887541.1 CGLO|KAF3803295.1 CHIG|XP\_018161145.1 CVIN|KAF4928633.1 CVYL|A03731 FGRM|XP\_011327970.1 MGRA|XP\_003849662.1 MLAR|XP\_007412278.1 MORY|QBZ64570.1 NCRA|XP\_961886.1 SSCL|APA12669.1

>Orthogroup5087: ANID|CBF89234.1 BCIN|XP\_001552216.1 BGRA|VDB92829.1 CFRU|XP\_031887790.1 CGLO|KAF3803177.1 CHIG|XP\_018161017.1 CVIN|KAF4920229.1 CVYL|A03606 FGRM|XP\_011327869.1 MLAR|XP\_007403489.1 MORY|QBZ58827.1 NCRA|XP\_961820.1 SSCL|APA12991.1

>Orthogroup5088: ANID|CBF89355.1 BCIN|XP\_001552220.1 BGRA|VDB92835.1 CFRU|XP\_031887458.1 CGLO|KAF3803176.1 CHIG|XP\_018161016.1 CVIN|KAF4920205.1 CVYL|A03605 FGRM|XP\_011327868.1 MLAR|XP\_007410560.1 MORY|QBZ58826.1 NCRA|XP\_011394378.1 SSCL|APA12995.1

>Orthogroup5089: ANID|CBF89357.1 CFRU|XP\_031888729.1 CFRU|XP\_031893154.1 CGLO|KAF3804135.1 CGLO|KAF3809462.1 CHIG|XP\_018152710.1 CHIG|XP\_018159977.1 CVIN|KAF4910284.1 CVIN|KAF4921289.1 CVYL|A03618 CVYL|A10029 FGRM|XP\_011318221.1 MORY|QBZ53716.1

>Orthogroup5090: ANID|CBF89412.1 BCIN|XP\_024547780.1 BGRA|VDB83732.1 CFRU|XP\_031885619.1 CGLO|KAF3810188.1 CHIG|XP\_018157806.1 CVIN|KAF4929117.1 CVYL|A02780 FGRM|XP\_011319980.1 MGRA|XP\_003853685.1 MORY|QBZ62185.1 NCRA|XP\_960146.1 SSCL|APA08039.1

>Orthogroup5091: ANID|CBF89432.1 BCIN|XP\_024548431.1 BGRA|VDB88847.1 CFRU|XP\_031881244.1 CGLO|KAF3802497.1 CHIG|XP\_018154803.1 CVYL|A02089 FGRM|XP\_011316322.1 MGRA|XP\_003857049.1 MLAR|XP\_007414926.1 MORY|QBZ60966.1 NCRA|XP\_011393617.1 SSCL|APA12256.1

>Orthogroup5092: ANID|CBF89459.1 BCIN|XP\_001558454.1 BGRA|VDB86322.1 CFRU|XP\_031891279.1 CGLO|KAF3811129.1 CHIG|XP\_018160373.1 CVIN|KAF4924504.1 CVYL|A04285 FGRM|XP\_011327063.1 MLAR|XP\_007415531.1 MORY|QBZ63430.1 NCRA|XP\_961312.2 SSCL|APA14729.1

>Orthogroup5093: ANID|CBF89476.1 BCIN|XP\_001549072.1 BGRA|VDB84048.1 CFRU|XP\_031886604.1 CGLO|KAF3798913.1 CHIG|XP\_018158578.1 CVIN|KAF4917512.1 CVYL|A05040 FGRM|XP\_011328456.1 MGRA|XP\_003856059.1 MORY|QBZ60496.1 NCRA|XP\_965690.2 SSCL|APA09965.1

>Orthogroup5094: ANID|CBF89478.1 BCIN|XP\_024548647.1 BGRA|VDB84014.1 CFRU|XP\_031890629.1 CGLO|KAF3805287.1 CHIG|XP\_018158607.1 CVIN|KAF4926018.1 CVYL|A13939 FGRM|XP\_011316434.1 MGRA|XP\_003856109.1 MORY|QBZ56097.1 NCRA|XP\_958880.2 SSCL|APA09948.1

>Orthogroup5095: ANID|CBF89480.1 BCIN|XP\_001548231.1 BGRA|VDB83978.1 CFRU|XP\_031890440.1 CGLO|KAF3805294.1 CHIG|XP\_018158611.1 CVIN|KAF4926025.1 CVYL|A13946 FGRM|XP\_011316450.1 MGRA|XP\_003857536.1 MORY|QBZ56099.1 NCRA|XP\_958876.1 SSCL|APA09947.1

>Orthogroup5096: ANID|CBF89482.1 BCIN|XP\_024548679.1 BGRA|VCU39392.1 CFRU|XP\_031890444.1 CGLO|KAF3805298.1 CHIG|XP\_018158615.1 CVIN|KAF4925970.1 CVYL|A13950 FGRM|XP\_011316454.1 MLAR|XP\_007412984.1 MORY|QBZ62596.1 NCRA|XP\_965415.3 SSCL|APA09897.1

>Orthogroup5097: ANID|CBF89483.1 BCIN|XP\_024548650.1 BGRA|VDB84052.1 CFRU|XP\_031890592.1 CGLO|KAF3806706.1 CHIG|XP\_018158681.1 CVIN|KAF4925998.1 CVYL|A14013 FGRM|XP\_011315924.1 MGRA|XP\_003856133.1 MORY|QBZ60424.1 NCRA|XP\_011393250.1 SSCL|APA09944.1

>Orthogroup5098: ANID|CBF89500.1 BCIN|XP\_024548967.1 BGRA|VDB93263.1 CFRU|XP\_031889995.1 CGLO|KAF3802910.1 CHIG|XP\_018158514.1 CVIN|KAF4925600.1 CVYL|A05103 FGRM|XP\_011316422.1 MGRA|XP\_003852914.1 MORY|QBZ55399.1 NCRA|XP\_964813.2 SSCL|APA09549.1

>Orthogroup5099: ANID|CBF89506.1 BCIN|XP\_001549071.1 CFRU|XP\_031886577.1 CGLO|KAF3798912.1 CHIG|XP\_018158579.1 CHIG|XP\_018158580.1 CHIG|XP\_018163502.1 CVIN|KAF4917513.1 CVYL|A05041 FGRM|XP\_011328457.1 MORY|QBZ60494.1 NCRA|XP\_965691.2 SSCL|APA09966.1

>Orthogroup5100: ANID|CBF89520.1 BCIN|XP\_001548634.1 BGRA|VCU40328.1 CFRU|XP\_031890031.1 CGLO|KAF3798886.1 CHIG|XP\_018158555.1 CVIN|KAF4925582.1 CVYL|A05067 FGRM|XP\_011316617.1 MGRA|XP\_003852903.1 MORY|QBZ55963.1 NCRA|XP\_965014.1 SSCL|APA09641.1

>Orthogroup5101: ANID|CBF89522.1 BCIN|XP\_024548807.1 CFRU|XP\_031890030.1 CGLO|KAF3798885.1 CHIG|XP\_018158554.1 CVIN|KAF4925581.1 CVYL|A05068 FGRM|XP\_011316618.1 MGRA|XP\_003853514.1 MLAR|XP\_007411202.1 MORY|QBZ55962.1 NCRA|XP\_011392985.1 SSCL|APA09640.1

>Orthogroup5102: ANID|CBF89532.1 BCIN|XP\_024553393.1 BGRA|VDB90894.1 CFRU|XP\_031882782.1 CGLO|KAF3803366.1 CHIG|XP\_018163960.1 CVIN|KAF4915973.1 CVYL|A14295 FGRM|XP\_011316808.1 MLAR|XP\_007404580.1 MORY|QBZ62777.1 NCRA|XP\_011393262.1 SSCL|APA13757.1

>Orthogroup5103: ANID|CBF89539.1 BCIN|XP\_024551459.1 BGRA|VCU41136.1 CFRU|XP\_031885260.1 CGLO|KAF3807683.1 CHIG|XP\_018162909.1 CVIN|KAF4927773.1 CVYL|A06875 FGRM|XP\_011326271.1 MGRA|XP\_003857483.1 MORY|QBZ63810.1 NCRA|XP\_957268.1 SSCL|APA10447.1

>Orthogroup5104: ANID|CBF89540.1 BCIN|XP\_001546273.1 BGRA|VCU39750.1 CFRU|XP\_031885261.1 CGLO|KAF3807684.1 CHIG|XP\_018162910.1 CVIN|KAF4927790.1 CVYL|A06877 FGRM|XP\_011326270.1 MGRA|XP\_003856461.1 MLAR|XP\_007410633.1 NCRA|XP\_001728508.2 SSCL|APA10240.1

>Orthogroup5105: ANID|CBF89548.1 BCIN|XP\_024551372.1 BGRA|VCU39671.1 CFRU|XP\_031884166.1 CHIG|XP\_018162383.1 CVIN|KAF4902804.1 CVYL|A12085 FGRM|XP\_011323900.1 MGRA|XP\_003848632.1 MLAR|XP\_007411037.1 MORY|QBZ61522.1 NCRA|XP\_957781.1 SSCL|APA10498.1

>Orthogroup5106: ANID|CBF89552.1 BCIN|XP\_001558372.1 CFRU|XP\_031882781.1 CGLO|KAF3803365.1 CHIG|XP\_018163959.1 CVIN|KAF4915972.1 CVYL|A14296 FGRM|XP\_011317151.1 MGRA|XP\_003853231.1 MLAR|XP\_007417240.1 MORY|QBZ62776.1 NCRA|XP\_001728017.2 SSCL|APA13753.1

>Orthogroup5107: ANID|CBF89619.1 BCIN|XP\_001556510.1 BGRA|VDB92427.1 CFRU|XP\_031888550.1 CGLO|KAF3803554.1 CHIG|XP\_018164139.1 CVIN|KAF4922251.1 FGRM|XP\_011316154.1 FGRM|XP\_011325754.1 MGRA|XP\_003851060.1 MORY|QBZ63824.1 NCRA|XP\_963758.3 SSCL|APA06509.1

>Orthogroup5108: ANID|CBF89632.1 BCIN|XP\_024552414.1 CFRU|XP\_031887622.1 CFRU|XP\_031888660.1 CGLO|KAF3803243.1 CGLO|KAF3804305.1 CHIG|XP\_018160102.1 CVIN|KAF4920121.1 CVIN|KAF4928728.1 CVYL|A03675 CVYL|A03990 FGRM|XP\_011322047.1 MGRA|XP\_003847789.1

>Orthogroup5109: ANID|CBF89646.1 BCIN|XP\_001549974.1 BGRA|VDB92887.1 CFRU|XP\_031879903.1 CHIG|XP\_018152871.1 CVIN|KAF4889610.1 CVYL|A07861 FGRM|XP\_011324366.1 MGRA|XP\_003851133.1 MLAR|XP\_007410839.1 MORY|QBZ53357.1 NCRA|XP\_959527.1 SSCL|APA06616.1

>Orthogroup5110: ANID|CBF89650.1 BCIN|XP\_001559910.1 BGRA|VDB89198.1 CFRU|XP\_031886933.1 CHIG|XP\_018160624.1 CVIN|KAF4919700.1 CVYL|A04580 FGRM|XP\_011327192.1 MGRA|XP\_003850779.1 MLAR|XP\_007410668.1 MORY|QBZ58059.1 NCRA|XP\_960738.1 SSCL|APA09752.1

>Orthogroup5111: ANID|CBF89652.1 BCIN|XP\_001556506.1 BGRA|VDB92921.1 CFRU|XP\_031888548.1 CGLO|KAF3803552.1 CHIG|XP\_018164137.1 CVIN|KAF4922284.1 CVYL|A14485 FGRM|XP\_011316242.1 MGRA|XP\_003850699.1 MLAR|XP\_007408530.1 NCRA|XP\_963756.1 SSCL|APA06514.1

>Orthogroup5112: ANID|CBF89678.1 BCIN|XP\_001552184.1 BGRA|VDB93971.1 CFRU|XP\_031883432.1 CGLO|KAF3800601.1 CHIG|XP\_018157906.1 CVYL|A13116 FGRM|XP\_011321288.1 MGRA|XP\_003850502.1 MLAR|XP\_007406488.1 MORY|QBZ62102.1 NCRA|XP\_956973.3 SSCL|APA05587.1

>Orthogroup5113: ANID|CBF89691.1 BCIN|XP\_001549536.1 BGRA|VDB93960.1 CFRU|XP\_031883433.1 CGLO|KAF3800597.1 CHIG|XP\_018152081.1 CVIN|KAF4927118.1 CVYL|A13118 FGRM|XP\_011321292.1 MGRA|XP\_003849052.1 MORY|QBZ61060.1 NCRA|XP\_963331.1 SSCL|APA13561.1

>Orthogroup5114: ANID|CBF89693.1 BCIN|XP\_024548539.1 CFRU|XP\_031890121.1 CGLO|KAF3798240.1 CGLO|KAF3804025.1 CGLO|KAF3805436.1 CHIG|XP\_018156149.1 CVYL|A09223 FGRM|XP\_011317555.1 FGRM|XP\_011318278.1 FGRM|XP\_011318282.1 FGRM|XP\_011323165.1 SSCL|APA11943.1

>Orthogroup5115: ANID|CBF89712.1 BCIN|XP\_001552187.1 BGRA|VDB93952.1 CFRU|XP\_031885367.1 CGLO|KAF3799550.1 CHIG|XP\_018154542.1 CVIN|KAF4931753.1 CVYL|A13410 FGRM|XP\_011324904.1 MGRA|XP\_003850340.1 MORY|QBZ61056.1 NCRA|XP\_963329.1 SSCL|APA05583.1

>Orthogroup5116: ANID|CBF89714.1 BCIN|XP\_001552186.1 CFRU|XP\_031885366.1 CGLO|KAF3799549.1 CHIG|XP\_018154541.1 CVIN|KAF4931860.1 CVYL|A13409 FGRM|XP\_011324910.1 MGRA|XP\_003855484.1 MLAR|XP\_007407836.1 MORY|QBZ61057.1 NCRA|XP\_963328.1 SSCL|APA05584.1

>Orthogroup5117: ANID|CBF89725.1 BCIN|XP\_024548343.1 BGRA|VDB93933.1 CFRU|XP\_031885529.1 CHIG|XP\_018152325.1 CVIN|KAF4931904.1 CVYL|A13307 FGRM|XP\_011316563.1 MGRA|XP\_003855101.1 MLAR|XP\_007413519.1 MORY|QBZ54387.1 NCRA|XP\_957195.1 SSCL|APA12601.1

>Orthogroup5118: ANID|CBF89737.1 BCIN|XP\_024546858.1 BGRA|VDB93852.1 CGLO|KAF3800491.1 CHIG|XP\_018152270.1 CVIN|KAF4916330.1 CVYL|A13222 FGRM|XP\_011323688.1 MGRA|XP\_003849177.1 MLAR|XP\_007415154.1 MORY|QBZ53948.1 NCRA|XP\_963224.2 SSCL|APA06028.1

>Orthogroup5119: ANID|CBF89747.1 BCIN|XP\_024549238.1 BGRA|VDB91126.1 CFRU|XP\_031892400.1 CGLO|KAF3803068.1 CHIG|XP\_018153541.1 CVIN|KAF4919854.1 CVYL|A00078 FGRM|XP\_011316119.1 MGRA|XP\_003852215.1 MORY|QBZ55578.1 NCRA|XP\_965115.3 SSCL|APA09029.1

>Orthogroup5120: ANID|CBF89760.1 BCIN|XP\_001555200.1 BGRA|VDB91156.1 CFRU|XP\_031888601.1 CHIG|XP\_018163778.1 CVIN|KAF4928513.1 CVYL|A14606 FGRM|XP\_011326751.1 MGRA|XP\_003852510.1 MLAR|XP\_007409588.1 MORY|QBZ55547.1 NCRA|XP\_011393065.1 SSCL|APA09186.1

>Orthogroup5121: ANID|CBF89766.1 BCIN|XP\_001560038.1 BGRA|VCU40351.1 CFRU|XP\_031889796.1 CGLO|KAF3805878.1 CHIG|XP\_018158886.1 CVIN|KAF4920798.1 CVYL|A13835 FGRM|XP\_011316697.1 MGRA|XP\_003853283.1 MORY|QBZ62577.1 NCRA|XP\_965257.1 SSCL|APA09873.1

>Orthogroup5122: ANID|CBF89771.1 BCIN|XP\_024546014.1 BGRA|VCU39042.1 CFRU|XP\_031888556.1 CGLO|KAF3803602.1 CHIG|XP\_018163863.1 CVIN|KAF4920389.1 CVYL|A14537 FGRM|XP\_011316780.1 MGRA|XP\_003850069.1 MORY|QBZ63002.1 NCRA|XP\_957991.1 SSCL|APA07312.1

>Orthogroup5123: ANID|CBF89779.1 BCIN|XP\_024549455.1 CFRU|XP\_031889778.1 CGLO|KAF3810485.1 CHIG|XP\_018159127.1 CVIN|KAF4924626.1 CVYL|A14088 FGRM|XP\_011317200.1 MGRA|XP\_003853131.1 MLAR|XP\_007411807.1 MORY|QBZ56388.1 NCRA|XP\_965630.2 SSCL|APA09202.1

>Orthogroup5124: ANID|CBF89784.1 BCIN|XP\_001561406.1 BGRA|VDB90708.1 CFRU|XP\_031888260.1 CGLO|KAF3803491.1 CHIG|XP\_018164021.1 CVIN|KAF4926312.1 CVYL|A14420 FGRM|XP\_011316978.1 MLAR|XP\_007403732.1 MORY|QBZ55326.1 NCRA|XP\_965463.2 SSCL|APA06917.1

>Orthogroup5125: ANID|CBF89786.1 BCIN|XP\_001561407.1 BGRA|VDB90730.1 CFRU|XP\_031890346.1 CGLO|KAF3804887.1 CHIG|XP\_018164380.1 CVIN|KAF4921183.1 CVYL|A12175 FGRM|XP\_011316274.1 MGRA|XP\_003852614.1 MORY|QBZ56475.1 NCRA|XP\_965147.2 SSCL|APA06918.1

>Orthogroup5126: ANID|CBF89797.1 BCIN|XP\_024550769.1 CFRU|XP\_031887298.1 CGLO|KAF3809218.1 CHIG|XP\_018156045.1 CVIN|KAF4925285.1 CVYL|A01407 FGRM|XP\_011319072.1 MGRA|XP\_003855394.1 MORY|QBZ63929.1 NCRA|XP\_961426.1 SSCL|APA07887.1 SSCL|APA11623.1

>Orthogroup5127: ANID|CBF89799.1 BCIN|XP\_001556928.1 BGRA|VDB89152.1 CFRU|XP\_031886570.1 CGLO|KAF3804074.1 CHIG|XP\_018162693.1 CVIN|KAF4919538.1 CVYL|A07037 FGRM|XP\_011326939.1 MGRA|XP\_003856460.1 MORY|QBZ55655.1 NCRA|XP\_011393740.1 SSCL|APA10540.1

>Orthogroup5128: ANID|CBF89804.1 BCIN|XP\_024551161.1 BGRA|VDB89159.1 CFRU|XP\_031886759.1 CGLO|KAF3804103.1 CHIG|XP\_018162651.1 CVIN|KAF4932133.1 CVYL|A07068 FGRM|XP\_011326720.1 MGRA|XP\_003853366.1 MORY|QBZ55638.1 NCRA|XP\_011393746.1 SSCL|APA10344.1

>Orthogroup5129: ANID|CBF89810.1 BCIN|XP\_024551159.1 CFRU|XP\_031886758.1 CGLO|KAF3804104.1 CHIG|XP\_018162650.1 CVIN|KAF4932003.1 CVYL|A07069 FGRM|XP\_011326719.1 MGRA|XP\_003852671.1 MLAR|XP\_007415300.1 MORY|QBZ55633.1 NCRA|XP\_957211.1 SSCL|APA10346.1

>Orthogroup5130: ANID|CBF89831.1 BCIN|XP\_024551245.1 BGRA|VCU39805.1 CFRU|XP\_031886316.1 CGLO|KAF3806285.1 CHIG|XP\_018162113.1 CVIN|KAF4923923.1 CVYL|A11876 FGRM|XP\_011324146.1 MLAR|XP\_007410245.1 MORY|QBZ55504.1 NCRA|XP\_011394010.1 SSCL|APA10326.1

>Orthogroup5131: ANID|CBF89835.1 CFRU|XP\_031880966.1 CFRU|XP\_031887598.1 CGLO|KAF3800394.1 CGLO|KAF3803282.1 CHIG|XP\_018153876.1 CHIG|XP\_018161116.1 CHIG|XP\_018161410.1 CVIN|KAF4928644.1 CVIN|KAF4930690.1 CVYL|A01789 CVYL|A03716 MGRA|XP\_003848647.1

>Orthogroup5132: ANID|CBF89843.1 BCIN|XP\_024546381.1 BGRA|VDB90854.1 CFRU|XP\_031882818.1 CGLO|KAF3803368.1 CHIG|XP\_018163962.1 CVIN|KAF4915976.1 CVYL|A14293 FGRM|XP\_011316810.1 MLAR|XP\_007415486.1 MORY|QBZ62779.1 NCRA|XP\_001728015.2 SSCL|APA06592.1

>Orthogroup5133: ANID|CBF89852.1 BCIN|XP\_024551416.1 BGRA|VCU41033.1 CFRU|XP\_031892896.1 CGLO|KAF3799109.1 CHIG|XP\_018152345.1 CVIN|KAF4908262.1 CVYL|A09451 FGRM|XP\_011317744.1 MGRA|XP\_003848158.1 MORY|QBZ54231.1 NCRA|XP\_961396.1 SSCL|APA10660.1

>Orthogroup5134: ANID|CBF89854.1 BCIN|XP\_001557402.1 BGRA|VCU41042.1 CFRU|XP\_031893292.1 CGLO|KAF3799105.1 CHIG|XP\_018154433.1 CVIN|KAF4908264.1 FGRM|XP\_011317766.1 MGRA|XP\_003848762.1 MLAR|XP\_007418432.1 MORY|QBZ54221.1 NCRA|XP\_961401.2 SSCL|APA10674.1

>Orthogroup5135: ANID|CBF89865.1 BCIN|XP\_001559036.1 BGRA|VDB90908.1 CFRU|XP\_031888582.1 CGLO|KAF3803693.1 CHIG|XP\_018163760.1 CVIN|KAF4928568.1 CVYL|A14624 FGRM|XP\_011326750.1 MLAR|XP\_007415060.1 MORY|QBZ55525.1 NCRA|XP\_001728391.2 SSCL|APA09091.1

>Orthogroup5136: ANID|CBF89869.1 BCIN|XP\_024551368.1 CFRU|XP\_031884167.1 CGLO|KAF3806483.1 CHIG|XP\_018162379.1 CVIN|KAF4902802.1 CVYL|A12082 FGRM|XP\_011323905.1 MGRA|XP\_003848551.1 MLAR|XP\_007412955.1 MORY|QBZ61495.1 NCRA|XP\_011393811.1 SSCL|APA10490.1

>Orthogroup5137: ANID|CBF89884.1 BCIN|XP\_001548398.1 BGRA|VDB89692.1 CFRU|XP\_031884443.1 CGLO|KAF3799073.1 CHIG|XP\_018158185.1 CVIN|KAF4918249.1 CVYL|A11456 FGRM|XP\_011328383.1 MLAR|XP\_007404682.1 MORY|QBZ54109.1 NCRA|XP\_964356.1 SSCL|APA09267.1

>Orthogroup5138: ANID|CBF89885.1 BCIN|XP\_024548987.1 CFRU|XP\_031889586.1 CGLO|KAF3805212.1 CHIG|XP\_018158859.1 CVIN|KAF4907175.1 CVYL|A13859 FGRM|XP\_011316440.1 MGRA|XP\_003852274.1 MLAR|XP\_007413418.1 MORY|QBZ59726.1 NCRA|XP\_011395129.1 SSCL|APA09362.1

>Orthogroup5139: ANID|CBF89891.1 BCIN|XP\_024548725.1 BGRA|VDB84042.1 CFRU|XP\_031890280.1 CGLO|KAF3798893.1 CHIG|XP\_018158564.1 CVIN|KAF4925547.1 CVYL|A05060 FGRM|XP\_011316609.1 MGRA|XP\_003852195.1 MORY|QBZ55990.1 NCRA|XP\_965685.2 SSCL|APA09789.1

>Orthogroup5140: ANID|CBF89899.1 BCIN|XP\_024547665.1 CFRU|XP\_031880395.1 CGLO|KAF3807266.1 CHIG|XP\_018156937.1 CVIN|KAF4928130.1 CVYL|A10748 FGRM|XP\_011320009.1 MGRA|XP\_003853687.1 MLAR|XP\_007418138.1 MORY|QBZ66172.1 NCRA|XP\_964294.1 SSCL|APA07725.1

>Orthogroup5141: ANID|CBF89900.1 BCIN|XP\_024550334.1 CFRU|XP\_031892464.1 CGLO|KAF3797092.1 CHIG|XP\_018157061.1 CVIN|KAF4911383.1 CVYL|A10616 FGRM|XP\_011315808.1 MGRA|XP\_003854260.1 MLAR|XP\_007412685.1 MORY|QBZ65919.1 NCRA|XP\_965811.3 SSCL|APA11011.1

>Orthogroup5142: ANID|CBF89903.1 BCIN|XP\_024550337.1 CFRU|XP\_031892466.1 CHIG|XP\_018157062.1 CVIN|KAF4911382.1 CVYL|A10615 FGRM|XP\_011315810.1 MGRA|XP\_003854022.1 MLAR|XP\_007411463.1 MLAR|XP\_007412216.1 MORY|QBZ60433.1 NCRA|XP\_965813.3 SSCL|APA11012.1

>Orthogroup5143: ANID|CBF89906.1 BCIN|XP\_024552055.1 BGRA|VDB92814.1 CFRU|XP\_031878648.1 CGLO|KAF3798520.1 CHIG|XP\_018161197.1 CVIN|KAF4917470.1 CVYL|A03805 FGRM|XP\_011317823.1 MGRA|XP\_003849702.1 MORY|QBZ57196.1 NCRA|XP\_011394387.1 SSCL|APA12802.1

>Orthogroup5144: ANID|CBF89908.1 BCIN|XP\_024552054.1 BGRA|VDB92833.1 CFRU|XP\_031878649.1 CGLO|KAF3798519.1 CHIG|XP\_018161196.1 CVIN|KAF4917471.1 CVYL|A03806 FGRM|XP\_011328018.1 MGRA|XP\_003849701.1 MORY|QBZ57195.1 NCRA|XP\_962327.2 SSCL|APA12803.1

>Orthogroup5145: ANID|CBF89915.1 BCIN|XP\_024547494.1 CFRU|XP\_031887537.1 CGLO|KAF3803287.1 CHIG|XP\_018161137.1 CVIN|KAF4928684.1 CVYL|A03722 FGRM|XP\_011315598.1 FGRM|XP\_011324297.1 MGRA|XP\_003855580.1 MORY|QBZ60151.1 NCRA|XP\_957424.1 NCRA|XP\_959844.1

>Orthogroup5146: ANID|CBF89917.1 BCIN|XP\_001554579.1 CFRU|XP\_031885329.1 CGLO|KAF3799525.1 CHIG|XP\_018154514.1 CVIN|KAF4931769.1 CVYL|A13385 FGRM|XP\_011321203.1 MLAR|XP\_007409649.1 MLAR|XP\_007412087.1 MORY|QBZ62094.1 NCRA|XP\_956960.1 SSCL|APA11643.1

>Orthogroup5147: ANID|CBF89932.1 BCIN|XP\_001555004.1 BGRA|VDB86145.1 CFRU|XP\_031886916.1 CGLO|KAF3811277.1 CHIG|XP\_018160501.1 CVIN|KAF4927264.1 CVYL|A04457 FGRM|XP\_011323633.1 MGRA|XP\_003850002.1 MORY|QBZ63418.1 NCRA|XP\_961554.1 SSCL|APA07779.1

>Orthogroup5148: ANID|CBF89965.1 BCIN|XP\_001553935.2 BGRA|VCU39271.1 CFRU|XP\_031882601.1 CGLO|KAF3803921.1 CHIG|XP\_018151018.1 CVIN|KAF4925438.1 CVYL|A08881 FGRM|XP\_011323820.1 MGRA|XP\_003849495.1 MORY|QBZ58812.1 NCRA|XP\_962077.2 SSCL|APA13112.1

>Orthogroup5149: ANID|CBF89976.1 BCIN|XP\_024552090.1 BGRA|VDB92764.1 CFRU|XP\_031877499.1 CGLO|KAF3798436.1 CHIG|XP\_018161254.1 CVIN|KAF4920005.1 CVYL|A11201 FGRM|XP\_011321442.1 MGRA|XP\_003849826.1 MORY|QBZ56759.1 NCRA|XP\_001728326.1 SSCL|APA12878.1

>Orthogroup5150: ANID|CBF90005.1 BCIN|XP\_001558137.1 BGRA|VCU39208.1 CFRU|XP\_031876701.1 CGLO|KAF3798702.1 CHIG|XP\_018157452.1 CVIN|KAF4918502.1 FGRM|XP\_011321344.1 MGRA|XP\_003849679.1 MLAR|XP\_007410835.1 MORY|QBZ57159.1 NCRA|XP\_962701.1 SSCL|APA12980.1

>Orthogroup5151: ANID|CBF90017.1 BCIN|XP\_001547211.1 BGRA|VCU39268.1 CFRU|XP\_031887741.1 CGLO|KAF3811615.1 CHIG|XP\_018160887.1 CVIN|KAF4921465.1 CVYL|A03473 FGRM|XP\_011328151.1 MGRA|XP\_003849469.1 MORY|QBZ56590.1 NCRA|XP\_962667.2 SSCL|APA13180.1

>Orthogroup5152: ANID|CBF90022.1 BCIN|XP\_024552345.1 CFRU|XP\_031890021.1 CGLO|KAF3798720.1 CHIG|XP\_018151276.1 CVIN|KAF4910255.1 CVYL|A09192 FGRM|XP\_011327918.1 MGRA|XP\_003849283.1 MLAR|XP\_007404592.1 MORY|QBZ58898.1 NCRA|XP\_962035.2 SSCL|APA13253.1

>Orthogroup5153: ANID|CBF90024.1 BCIN|XP\_001551261.1 CFRU|XP\_031890152.1 CGLO|KAF3798721.1 CHIG|XP\_018151277.1 CVIN|KAF4896758.1 CVYL|A09191 FGRM|XP\_011327913.1 MGRA|XP\_003849831.1 MLAR|XP\_007417756.1 MORY|QBZ58900.1 NCRA|XP\_961863.2 SSCL|APA13254.1

>Orthogroup5154: ANID|CBF90036.1 BCIN|XP\_001546599.2 BGRA|VDB92787.1 CFRU|XP\_031887557.1 CGLO|KAF3811629.1 CHIG|XP\_018160903.1 CVIN|KAF4921433.1 CVYL|A03489 FGRM|XP\_011328146.1 MGRA|XP\_003849601.1 MORY|QBZ56698.1 NCRA|XP\_961978.1 SSCL|APA13025.1

>Orthogroup5155: ANID|CBF90038.1 BCIN|XP\_001546600.1 BGRA|VCU39253.1 CFRU|XP\_031887754.1 CGLO|KAF3811630.1 CHIG|XP\_018160904.1 CVIN|KAF4921432.1 CVYL|A03490 FGRM|XP\_011323574.1 MGRA|XP\_003849519.1 MORY|QBZ56703.1 NCRA|XP\_961977.1 SSCL|APA13026.1

>Orthogroup5156: ANID|CBF90052.1 BCIN|XP\_024552246.1 BGRA|VDB92806.1 CFRU|XP\_031876581.1 CGLO|KAF3800888.1 CHIG|XP\_018150795.1 CVIN|KAF4911851.1 CVYL|A11128 FGRM|XP\_011323802.1 MGRA|XP\_003849491.1 MORY|QBZ56707.1 NCRA|XP\_962273.1 SSCL|APA13034.1

>Orthogroup5157: ANID|CBF90059.1 BCIN|XP\_024552235.1 BGRA|VDB92780.1 CFRU|XP\_031876576.1 CGLO|KAF3800891.1 CHIG|XP\_018150792.1 CVIN|KAF4911854.1 CVYL|A11131 FGRM|XP\_011323797.1 MGRA|XP\_003849774.1 MORY|QBZ56704.1 NCRA|XP\_962276.3 SSCL|APA13019.1

>Orthogroup5158: ANID|CBF90061.1 BCIN|XP\_001546590.1 BGRA|VDB92778.1 CFRU|XP\_031876570.1 CHIG|XP\_018150787.1 CVIN|KAF4911865.1 CVYL|A11137 FGRM|XP\_011323792.1 MGRA|XP\_003849775.1 MLAR|XP\_007409427.1 MORY|QBZ56527.1 NCRA|XP\_962270.2 SSCL|APA13017.1

>Orthogroup5159: ANID|CBF90066.1 BCIN|XP\_001552250.1 CFRU|XP\_031882621.1 CGLO|KAF3803895.1 CHIG|XP\_018151041.1 CVIN|KAF4925430.1 CVYL|A08906 FGRM|XP\_011323475.1 MGRA|XP\_003849423.1 MLAR|XP\_007411645.1 MORY|QBZ64064.1 NCRA|XP\_962576.2 SSCL|APA12896.1

>Orthogroup5160: ANID|CBF90068.1 BCIN|XP\_001553525.2 BGRA|VDB86103.1 CFRU|XP\_031892401.1 CGLO|KAF3803067.1 CHIG|XP\_018153540.1 CVIN|KAF4919875.1 CVYL|A00077 FGRM|XP\_011316121.1 MGRA|XP\_003856101.1 MORY|QBZ55527.1 NCRA|XP\_965383.3 SSCL|APA06780.1

>Orthogroup5161: ANID|CBF90070.1 BCIN|XP\_024547728.1 BGRA|VDB85976.1 CFRU|XP\_031891249.1 CGLO|KAF3804540.1 CHIG|XP\_018160398.1 CVIN|KAF4924490.1 CVYL|A04259 FGRM|XP\_011326907.1 MGRA|XP\_003852094.1 MORY|QBZ57053.1 NCRA|XP\_961105.2 SSCL|APA07969.1

>Orthogroup5162: ANID|CBF90077.1 BCIN|XP\_001552249.1 BGRA|VCU39477.1 CFRU|XP\_031882674.1 CGLO|KAF3803892.1 CHIG|XP\_018151045.1 CVIN|KAF4925405.1 CVYL|A08903 FGRM|XP\_011323477.1 MGRA|XP\_003849422.1 MLAR|XP\_007407668.1 NCRA|XP\_011394159.1 SSCL|APA12897.1

>Orthogroup5163: ANID|CBF90087.1 BCIN|XP\_024552711.1 BGRA|VDB88114.1 CFRU|XP\_031879499.1 CGLO|KAF3802411.1 CHIG|XP\_018154726.1 CVIN|KAF4918208.1 CVYL|A13555 FGRM|XP\_011317263.1 MLAR|XP\_007416108.1 MORY|QBZ64860.1 NCRA|XP\_956863.2 SSCL|APA15455.1

>Orthogroup5164: ANID|CBF90116.1 BCIN|XP\_024552700.1 CFRU|XP\_031878059.1 CGLO|KAF3799596.1 CHIG|XP\_018154593.1 CVIN|KAF4926462.1 CVYL|A13457 FGRM|XP\_011316340.1 MGRA|XP\_003849670.1 MLAR|XP\_007411057.1 MORY|QBZ54404.1 NCRA|XP\_956477.1 SSCL|APA15487.1

>Orthogroup5165: ANID|CBF90119.1 BCIN|XP\_024552698.1 BGRA|VDB87876.1 CFRU|XP\_031885339.1 CGLO|KAF3799469.1 CHIG|XP\_018154454.1 CVIN|KAF4931890.1 CVYL|A13331 FGRM|XP\_011325529.1 MGRA|XP\_003849451.1 MORY|QBZ64880.1 NCRA|XP\_963621.1 SSCL|APA15483.1

>Orthogroup5166: ANID|CBF90123.1 BCIN|XP\_001554751.1 BGRA|VDB87882.1 CFRU|XP\_031885334.1 CGLO|KAF3799472.1 CHIG|XP\_018154457.1 CVIN|KAF4931887.1 CVYL|A13334 FGRM|XP\_011325532.1 MGRA|XP\_003849525.1 MORY|QBZ64883.1 NCRA|XP\_957180.1 SSCL|APA15489.1

>Orthogroup5167: ANID|CBF90139.1 BCIN|XP\_001556348.2 BGRA|VDB88251.1 CFRU|XP\_031879512.1 CGLO|KAF3802393.1 CHIG|XP\_018154683.1 CVIN|KAF4922183.1 CVYL|A13536 FGRM|XP\_011317271.1 MGRA|XP\_003849354.1 MLAR|XP\_007414746.1 NCRA|XP\_001728384.2 SSCL|APA08727.1

>Orthogroup5168: ANID|CBF90141.1 BCIN|XP\_001548669.1 CFRU|XP\_031883268.1 CGLO|KAF3800507.1 CHIG|XP\_018152213.1 CVIN|KAF4919224.1 CVYL|A13207 FGRM|XP\_011321320.1 MGRA|XP\_003849369.1 MLAR|XP\_007410365.1 MORY|QBZ61111.1 NCRA|XP\_956712.1 SSCL|APA15598.1

>Orthogroup5169: ANID|CBF90147.1 BCIN|XP\_024552168.1 CFRU|XP\_031878595.1 CGLO|KAF3798534.1 CHIG|XP\_018161215.1 CVIN|KAF4919266.1 CVYL|A03790 FGRM|XP\_011327974.1 MGRA|XP\_003849424.1 MLAR|XP\_007415911.1 MORY|QBZ57204.1 NCRA|XP\_011394307.1 SSCL|APA13088.1

>Orthogroup5170: ANID|CBF90148.1 BCIN|XP\_024552087.1 BGRA|VCU38877.1 CFRU|XP\_031878626.1 CGLO|KAF3798500.1 CHIG|XP\_018161217.1 CVIN|KAF4917473.1 CVYL|A03824 FGRM|XP\_011327972.1 MLAR|XP\_007416604.1 MORY|QBZ57215.1 NCRA|XP\_962301.3 SSCL|APA12873.1

>Orthogroup5171: ANID|CBF90156.1 BCIN|XP\_024552174.1 BGRA|VDB89670.1 CFRU|XP\_031878645.1 CGLO|KAF3798531.1 CHIG|XP\_018161209.1 CVIN|KAF4919300.1 CVYL|A03793 FGRM|XP\_011327977.1 MGRA|XP\_003849720.1 MORY|QBZ57210.1 NCRA|XP\_962516.1 SSCL|APA13079.1

>Orthogroup5172: ANID|CBF90167.1 BCIN|XP\_001552208.1 BGRA|VDB92792.1 CFRU|XP\_031887676.1 CGLO|KAF3807174.1 CHIG|XP\_018161000.1 CVIN|KAF4917580.1 CVYL|A03579 FGRM|XP\_011324847.1 MLAR|XP\_007416524.1 MORY|QBZ58792.1 NCRA|XP\_956317.1 SSCL|APA12999.1

>Orthogroup5173: ANID|CBF90169.1 BCIN|XP\_001552211.1 BGRA|VDB92749.1 CFRU|XP\_031887675.1 CGLO|KAF3807173.1 CHIG|XP\_018160999.1 CVIN|KAF4917579.1 CVYL|A03578 FGRM|XP\_011324850.1 MGRA|XP\_003849569.1 MORY|QBZ58791.1 NCRA|XP\_956316.1 SSCL|APA12998.1

>Orthogroup5174: ANID|CBF90172.1 BCIN|XP\_024552637.1 CFRU|XP\_031881861.1 CGLO|KAF3800678.1 CHIG|XP\_018152004.1 CVIN|KAF4922058.1 CVYL|A13038 FGRM|XP\_011321259.1 MGRA|XP\_003849729.1 MLAR|XP\_007409333.1 MORY|QBZ62108.1 NCRA|XP\_956206.3 SSCL|APA15607.1

>Orthogroup5175: ANID|CBF90175.1 BCIN|XP\_001551247.2 BGRA|VCU39220.1 CFRU|XP\_031893591.1 CGLO|KAF3800804.1 CHIG|XP\_018150910.1 CVIN|KAF4922504.1 CVYL|A08748 FGRM|XP\_011323784.1 MGRA|XP\_003849365.1 MORY|QBZ56533.1 NCRA|XP\_961939.3 SSCL|APA13238.1

>Orthogroup5176: ANID|CBF90177.1 BCIN|XP\_024552150.1 BGRA|VCU39221.1 CFRU|XP\_031876705.1 CGLO|KAF3798707.1 CHIG|XP\_018157447.1 CVYL|A09441 FGRM|XP\_011321339.1 MGRA|XP\_003849659.1 MLAR|XP\_007411189.1 MORY|QBZ57165.1 NCRA|XP\_962693.3 SSCL|APA12987.1

>Orthogroup5177: ANID|CBF90190.1 BCIN|XP\_001553914.1 BGRA|VCU39301.1 CFRU|XP\_031893257.1 CGLO|KAF3800832.1 CHIG|XP\_018150870.1 CVIN|KAF4922456.1 CVYL|A08717 FGRM|XP\_011328052.1 MGRA|XP\_003849514.1 MORY|QBZ56824.1 NCRA|XP\_962260.2 SSCL|APA13131.1

>Orthogroup5178: ANID|CBF90205.1 BCIN|XP\_001551971.1 BGRA|VDB94538.1 CFRU|XP\_031878194.1 CGLO|KAF3808538.1 CHIG|XP\_018161936.1 CVIN|KAF4917621.1 CVYL|A11606 FGRM|XP\_011318519.1 MGRA|XP\_003855052.1 MORY|QBZ59644.1 NCRA|XP\_962877.2 SSCL|APA10960.1

>Orthogroup5179: ANID|CBF90214.1 BCIN|XP\_024550420.1 BGRA|VDB87955.1 CFRU|XP\_031879348.1 CGLO|KAF3808614.1 CHIG|XP\_018161902.1 CVIN|KAF4926144.1 CVYL|A12322 FGRM|XP\_011318500.1 MGRA|XP\_003855169.1 MORY|QBZ59642.1 NCRA|XP\_962875.2 SSCL|APA11125.1

>Orthogroup5180: ANID|CBF90216.1 BCIN|XP\_024550431.1 BGRA|VDB94572.1 CFRU|XP\_031886949.1 CHIG|XP\_018160595.1 CVIN|KAF4921029.1 CVYL|A04525 FGRM|XP\_011327224.1 MGRA|XP\_003848786.1 MLAR|XP\_007410921.1 MORY|QBZ56978.1 NCRA|XP\_961445.1 SSCL|APA11128.1

>Orthogroup5181: ANID|CBF90218.1 BCIN|XP\_024550426.1 BGRA|VDB94566.1 CFRU|XP\_031879315.1 CGLO|KAF3808619.1 CHIG|XP\_018161897.1 CVIN|KAF4926139.1 CVYL|A12277 FGRM|XP\_011318505.1 MLAR|XP\_007415270.1 MORY|QBZ59637.1 NCRA|XP\_962870.1 SSCL|APA11121.1

>Orthogroup5182: ANID|CBF90223.1 BCIN|XP\_024550427.1 BGRA|VDB94716.1 CFRU|XP\_031886940.1 CGLO|KAF3811346.1 CHIG|XP\_018160592.1 CVIN|KAF4921005.1 CVYL|A04528 FGRM|XP\_011324775.1 MLAR|XP\_007404340.1 MORY|QBZ56981.1 NCRA|XP\_961486.3 SSCL|APA11118.1

>Orthogroup5183: ANID|CBF90227.1 BCIN|XP\_001553000.1 BGRA|VDB94551.1 CFRU|XP\_031891484.1 CGLO|KAF3797894.1 CHIG|XP\_018161628.1 CVIN|KAF4923066.1 CVYL|A05331 FGRM|XP\_011318669.1 MGRA|XP\_003855157.1 MORY|QBZ62030.1 NCRA|XP\_962794.1 SSCL|APA11225.1

>Orthogroup5184: ANID|CBF90238.1 BCIN|XP\_024550185.1 BGRA|VDB94949.1 CFRU|XP\_031891572.1 CGLO|KAF3804679.1 CHIG|XP\_018161751.1 CVYL|A05204 FGRM|XP\_011321532.1 MGRA|XP\_003855366.1 MLAR|XP\_007404209.1 MORY|QBZ59569.1 NCRA|XP\_956704.2 SSCL|APA10857.1

>Orthogroup5185: ANID|CBF90248.1 BCIN|XP\_024550529.1 BGRA|VDB94626.1 CFRU|XP\_031891272.1 CGLO|KAF3811125.1 CHIG|XP\_018160378.1 CVIN|KAF4924501.1 CVYL|A04280 FGRM|XP\_011326698.1 MLAR|XP\_007412004.1 MORY|QBZ57746.1 NCRA|XP\_960742.1 SSCL|APA11295.1

>Orthogroup5186: ANID|CBF90258.1 BCIN|XP\_024547797.1 BGRA|VDB94814.1 CFRU|XP\_031891173.1 CGLO|KAF3804675.1 CHIG|XP\_018161741.1 CVIN|KAF4902793.1 CVYL|A05209 FGRM|XP\_011321526.1 MGRA|XP\_003855348.1 MORY|QBZ59573.1 NCRA|XP\_011393843.1 SSCL|APA08065.1

>Orthogroup5187: ANID|CBF90262.1 BCIN|XP\_001552377.1 BGRA|VDB90367.1 CFRU|XP\_031891365.1 CGLO|KAF3797916.1 CHIG|XP\_018161604.1 CVIN|KAF4907834.1 CVYL|A05351 FGRM|XP\_011318655.1 MLAR|XP\_007403569.1 MORY|QBZ61998.1 NCRA|XP\_011393992.1 SSCL|APA11199.1

>Orthogroup5188: ANID|CBF90264.1 BCIN|XP\_024550176.1 BGRA|VDB94837.1 CFRU|XP\_031877203.1 CGLO|KAF3806449.1 CHIG|XP\_018162337.1 CVIN|KAF4918056.1 CVYL|A12047 FGRM|XP\_011323943.1 MGRA|XP\_003855413.1 MORY|QBZ61405.1 NCRA|XP\_962819.1 SSCL|APA10853.1

>Orthogroup5189: ANID|CBF90275.1 BCIN|XP\_024550455.1 BGRA|VDB94912.1 CFRU|XP\_031877180.1 CGLO|KAF3806446.1 CHIG|XP\_018162334.1 CVIN|KAF4918070.1 CVYL|A12043 FGRM|XP\_011323947.1 MGRA|XP\_003855048.1 MORY|QBZ61408.1 NCRA|XP\_011394020.1 SSCL|APA11166.1

>Orthogroup5190: ANID|CBF90279.1 BCIN|XP\_024550174.1 BGRA|VDB94832.1 CFRU|XP\_031877200.1 CGLO|KAF3806452.1 CHIG|XP\_018162341.1 CVIN|KAF4897887.1 CVYL|A12050 FGRM|XP\_011323942.1 MLAR|XP\_007417817.1 MORY|QBZ61402.1 NCRA|XP\_962822.2 SSCL|APA10850.1

>Orthogroup5191: ANID|CBF90281.1 BCIN|XP\_001548717.2 BGRA|VCU41317.1 CFRU|XP\_031885174.1 CGLO|KAF3800368.1 CHIG|XP\_018162866.1 CVIN|KAF4927800.1 CVYL|A07731 FGRM|XP\_011327045.1 MGRA|XP\_003849099.1 MORY|QBZ61316.1 NCRA|XP\_957315.1 SSCL|APA10849.1

>Orthogroup5192: ANID|CBF90282.1 BCIN|XP\_001548718.1 BGRA|VCU41318.1 CFRU|XP\_031885169.1 CGLO|KAF3800367.1 CHIG|XP\_018162867.1 CVIN|KAF4927791.1 CVYL|A07719 FGRM|XP\_011327047.1 MGRA|XP\_003849098.1 MORY|QBZ61315.1 NCRA|XP\_957306.1 SSCL|APA10848.1

>Orthogroup5193: ANID|CBF90290.1 BCIN|XP\_001554617.2 BGRA|VDB94829.1 CFRU|XP\_031879328.1 CGLO|KAF3808650.1 CHIG|XP\_018161854.1 CVIN|KAF4926195.1 CVYL|A11911 FGRM|XP\_011318417.1 FGRM|XP\_011322671.1 MORY|QBZ59355.1 NCRA|XP\_958509.1 SSCL|APA11054.1

>Orthogroup5194: ANID|CBF90296.1 BCIN|XP\_024550565.1 CFRU|XP\_031891353.1 CGLO|KAF3804640.1 CHIG|XP\_018161727.1 CVIN|KAF4919089.1 CVYL|A05245 FGRM|XP\_011321543.1 MGRA|XP\_003855356.1 MLAR|XP\_007412560.1 MORY|QBZ59345.1 NCRA|XP\_958438.2 SSCL|APA11357.1

>Orthogroup5195: ANID|CBF90308.1 BCIN|XP\_024550568.1 BGRA|VDB94530.1 CFRU|XP\_031891607.1 CGLO|KAF3804636.1 CHIG|XP\_018161731.1 CVIN|KAF4919093.1 CVYL|A05249 FGRM|XP\_011318699.1 MGRA|XP\_003854941.1 MORY|QBZ59384.1 NCRA|XP\_958508.1 SSCL|APA11362.1

>Orthogroup5196: ANID|CBF90322.1 BCIN|XP\_024550550.1 BGRA|VDB88021.1 CFRU|XP\_031886251.1 CGLO|KAF3806209.1 CHIG|XP\_018162199.1 CVIN|KAF4931564.1 CVYL|A11796 FGRM|XP\_011324063.1 MGRA|XP\_003854890.1 MORY|QBZ55794.1 NCRA|XP\_957747.2 SSCL|APA11345.1

>Orthogroup5197: ANID|CBF90329.1 BCIN|XP\_001554632.2 BGRA|VDB94613.1 CFRU|XP\_031886307.1 CGLO|KAF3806206.1 CHIG|XP\_018162195.1 CVIN|KAF4931560.1 FGRM|XP\_011324067.1 MGRA|XP\_003855435.1 MLAR|XP\_007411762.1 MORY|QBZ55790.1 NCRA|XP\_957743.3 SSCL|APA11051.1

>Orthogroup5198: ANID|CBF90331.1 CFRU|XP\_031883036.1 CFRU|XP\_031883180.1 CGLO|KAF3800712.1 CGLO|KAF3807957.1 CHIG|XP\_018163265.1 CVIN|KAF4919728.1 CVIN|KAF4924057.1 CVYL|A00491 CVYL|A00669 FGRM|XP\_011322789.1 FGRM|XP\_011325209.1 FGRM|XP\_011328399.1

>Orthogroup5199: ANID|CBF90370.1 BCIN|XP\_001558273.2 BGRA|VDB86099.1 CFRU|XP\_031891477.1 CGLO|KAF3804499.1 CHIG|XP\_018160327.1 CVIN|KAF4930975.1 CVYL|A04214 FGRM|XP\_011327141.1 MLAR|XP\_007412135.1 MORY|QBZ59095.1 NCRA|XP\_960931.2 SSCL|APA13665.1

>Orthogroup5200: BCIN|XP\_001549950.2 BGRA|VCU40894.1 CFRU|XP\_031888318.1 CGLO|KAF3803580.1 CHIG|XP\_018163893.1 CVIN|KAF4922228.1 CVYL|A14513 FGRM|XP\_011316754.1 MLAR|XP\_007410296.1 MLAR|XP\_007410297.1 MORY|QBZ55310.1 NCRA|XP\_964050.1 SSCL|APA06631.1

>Orthogroup5201: BCIN|XP\_024546219.1 BCIN|XP\_024546875.1 BCIN|XP\_024547270.1 BCIN|XP\_024551426.1 CFRU|XP\_031886297.1 CHIG|XP\_018162071.1 CVIN|KAF4931573.1 CVYL|A11826 FGRM|XP\_011324019.1 MORY|QBZ61551.1 NCRA|XP\_957224.3 SSCL|APA06999.1 SSCL|APA14235.1

>Orthogroup5202: BCIN|XP\_024546231.1 BGRA|VCU38954.1 CFRU|XP\_031892728.1 CGLO|KAF3797217.1 CHIG|XP\_018157291.1 CVIN|KAF4917689.1 CVYL|A10479 FGRM|XP\_011320153.1 MGRA|XP\_003847790.1 MORY|QBZ65994.1 NCRA|XP\_963471.3 NCRA|XP\_964910.1 SSCL|APA06997.1

>Orthogroup5203: BCIN|XP\_024546272.1 BCIN|XP\_024550098.1 BCIN|XP\_024551152.1 BCIN|XP\_024552115.1 BCIN|XP\_024552767.1 CFRU|XP\_031878341.1 CGLO|KAF3798059.1 CVIN|KAF4927972.1 CVYL|A08297 FGRM|XP\_011323125.1 MORY|QBZ64365.1 NCRA|XP\_958263.3 SSCL|APA12947.1

>Orthogroup5204: BCIN|XP\_024546290.1 BGRA|VDB90924.1 CFRU|XP\_031888273.1 CGLO|KAF3803511.1 CHIG|XP\_018164042.1 CVIN|KAF4908039.1 CVYL|A14441 FGRM|XP\_011326527.1 MGRA|XP\_003851210.1 MLAR|XP\_007409655.1 MORY|QBZ62803.1 NCRA|XP\_965443.3 SSCL|APA06933.1

>Orthogroup5205: BCIN|XP\_024546295.1 BGRA|VDB91089.1 CFRU|XP\_031882914.1 CGLO|KAF3812059.1 CHIG|XP\_018164184.1 CVIN|KAF4923663.1 CVYL|A14238 FGRM|XP\_011326792.1 MGRA|XP\_003853392.1 MLAR|XP\_007407638.1 MORY|QBZ63788.1 NCRA|XP\_959161.2 SSCL|APA06929.1

>Orthogroup5206: BCIN|XP\_024546440.1 BGRA|VDB92539.1 CFRU|XP\_031889783.1 CGLO|KAF3810454.1 CHIG|XP\_018151468.1 CVIN|KAF4924650.1 CVYL|A13978 FGRM|XP\_011327292.1 MGRA|XP\_003852138.1 MLAR|XP\_007412957.1 MORY|QBZ59200.1 NCRA|XP\_958595.2 SSCL|APA07095.1

>Orthogroup5207: BCIN|XP\_001561151.1 BGRA|VCU39015.1 BGRA|VCU39016.1 CFRU|XP\_031887466.1 CGLO|KAF3803321.1 CHIG|XP\_018161173.1 CVIN|KAF4898747.1 CVYL|A03758 FGRM|XP\_011321356.1 MLAR|XP\_007412186.1 MORY|QBZ56682.1 NCRA|XP\_956136.2 SSCL|APA07088.1

>Orthogroup5208: BCIN|XP\_001561102.1 BCIN|XP\_024549763.1 CFRU|XP\_031885444.1 CGLO|KAF3806524.1 CHIG|XP\_018157561.1 CVIN|KAF4921353.1 CVYL|A09346 FGRM|XP\_011319432.1 FGRM|XP\_011322825.1 FGRM|XP\_011323196.1 MGRA|XP\_003856804.1 MORY|QBZ54516.1 NCRA|XP\_961715.1

>Orthogroup5209: BCIN|XP\_024546730.1 BCIN|XP\_024551062.1 BCIN|XP\_024553345.1 CFRU|XP\_031887112.1 CGLO|KAF3811311.1 CHIG|XP\_018160535.1 CVIN|KAF4927252.1 CVYL|A04490 MORY|QBZ63406.1 NCRA|XP\_961539.1 SSCL|APA12001.1 SSCL|APA13663.1 SSCL|APA14961.1

>Orthogroup5210: BCIN|XP\_024546752.1 BGRA|VDB95168.1 CFRU|XP\_031879199.1 CGLO|KAF3807078.1 CHIG|XP\_018159737.1 CVIN|KAF4919046.1 CVYL|A06372 FGRM|XP\_011320681.1 MGRA|XP\_003853669.1 MLAR|XP\_007414843.1 MORY|QBZ63986.1 NCRA|XP\_960569.3 SSCL|APA06397.1

>Orthogroup5211: BCIN|XP\_024546863.1 BCIN|XP\_024552495.1 CFRU|XP\_031886624.1 CFRU|XP\_031887709.1 CGLO|KAF3807326.1 CGLO|KAF3807510.1 CHIG|XP\_018157914.1 CHIG|XP\_018159055.1 CHIG|XP\_018160919.1 CVIN|KAF4917517.1 CVYL|A05032 FGRM|XP\_011317504.1 FGRM|XP\_011319550.1

>Orthogroup5212: BCIN|XP\_001559002.1 BGRA|VDB93886.1 CFRU|XP\_031878064.1 CGLO|KAF3799573.1 CHIG|XP\_018154558.1 CVIN|KAF4926468.1 CVYL|A13433 FGRM|XP\_011323710.1 MGRA|XP\_003849863.1 MLAR|XP\_007407657.1 MORY|QBZ61077.1 NCRA|XP\_957184.2 SSCL|APA05853.1

>Orthogroup5213: BCIN|XP\_001558988.1 BGRA|VCU40621.1 CFRU|XP\_031880714.1 CGLO|KAF3811140.1 CHIG|XP\_018160362.1 CVIN|KAF4931258.1 CVYL|A04299 FGRM|XP\_011326452.1 MGRA|XP\_003850097.1 MLAR|XP\_007409238.1 MORY|QBZ57463.1 NCRA|XP\_960924.1 SSCL|APA05841.1

>Orthogroup5214: BCIN|XP\_024546991.1 BCIN|XP\_024552475.1 BCIN|XP\_024552789.1 CFRU|XP\_031876465.1 CFRU|XP\_031885744.1 CFRU|XP\_031891827.1 CGLO|KAF3800068.1 CGLO|KAF3810022.1 CHIG|XP\_018157753.1 CVIN|KAF4917952.1 CVIN|KAF4919320.1 CVYL|A02631 SSCL|APA16054.1

>Orthogroup5215: BCIN|XP\_001547660.2 BGRA|VCU40546.1 CFRU|XP\_031887123.1 CGLO|KAF3811212.1 CHIG|XP\_018160433.1 CVIN|KAF4931160.1 CVYL|A04379 FGRM|XP\_011327132.1 MGRA|XP\_003849932.1 MLAR|XP\_007403877.1 MORY|QBZ57028.1 NCRA|XP\_960946.3 SSCL|APA05880.1

>Orthogroup5216: BCIN|XP\_001553771.1 BGRA|VCU40648.1 CFRU|XP\_031888791.1 CGLO|KAF3799384.1 CHIG|XP\_018159956.1 CVIN|KAF4906790.1 CVYL|A03452 FGRM|XP\_011324465.1 MGRA|XP\_003850196.1 MLAR|XP\_007416676.1 MORY|QBZ59179.1 NCRA|XP\_961713.1 SSCL|APA14514.1

>Orthogroup5217: BCIN|XP\_001549115.1 BCIN|XP\_001553763.1 BGRA|VDB93679.1 CFRU|XP\_031888560.1 CGLO|KAF3803606.1 CHIG|XP\_018163857.1 CVIN|KAF4920381.1 CVYL|A14541 FGRM|XP\_011316710.1 MORY|QBZ62999.1 NCRA|XP\_001728144.1 SSCL|APA06118.1 SSCL|APA06233.1

>Orthogroup5218: BCIN|XP\_001553735.1 BGRA|VDB93504.1 CFRU|XP\_031892643.1 CGLO|KAF3812261.1 CHIG|XP\_018153484.1 CVIN|KAF4919915.1 CVYL|A00125 FGRM|XP\_011316903.1 MGRA|XP\_003857347.1 MLAR|XP\_007404643.1 MORY|QBZ55277.1 NCRA|XP\_965170.1 SSCL|APA06140.1

>Orthogroup5219: BCIN|XP\_024547170.1 BGRA|VDB92977.1 CFRU|XP\_031877335.1 CFRU|XP\_031877621.1 CGLO|KAF3799923.1 CHIG|XP\_018153763.1 CVIN|KAF4906969.1 CVYL|A11278 FGRM|XP\_011327775.1 MGRA|XP\_003851348.1 MORY|QBZ60672.1 NCRA|XP\_956428.1 SSCL|APA14064.1

>Orthogroup5220: BCIN|XP\_001546586.1 BGRA|VCU39599.1 CFRU|XP\_031877607.1 CGLO|KAF3801073.1 CHIG|XP\_018153721.1 CVIN|KAF4902051.1 CVYL|A00046 FGRM|XP\_011327793.1 MGRA|XP\_003848651.1 MLAR|XP\_007404346.1 MORY|QBZ62343.1 NCRA|XP\_959222.1 SSCL|APA14118.1

>Orthogroup5221: BCIN|XP\_024547319.1 CFRU|XP\_031877302.1 CFRU|XP\_031881179.1 CHIG|XP\_018152338.1 CHIG|XP\_018159449.1 CVIN|KAF4914237.1 CVIN|KAF4921836.1 CVYL|A02179 CVYL|A02452 CVYL|A08301 FGRM|XP\_011322117.1 MORY|QBZ65036.1 SSCL|APA14295.1

>Orthogroup5222: BCIN|XP\_001547603.1 BGRA|VDB89031.1 CFRU|XP\_031882087.1 CGLO|KAF3806055.1 CHIG|XP\_018164626.1 CVIN|KAF4913558.1 CVYL|A07461 FGRM|XP\_011326735.1 MGRA|XP\_003848379.1 MLAR|XP\_007417113.1 MORY|QBZ62374.1 NCRA|XP\_959550.1 SSCL|APA14345.1

>Orthogroup5223: BCIN|XP\_001559296.1 CFRU|XP\_031881059.1 CFRU|XP\_031882172.1 CGLO|KAF3804356.1 CGLO|KAF3809851.1 CVIN|KAF4917736.1 CVIN|KAF4918352.1 CVIN|KAF4930701.1 CVYL|A01763 CVYL|A04062 CVYL|A11651 MGRA|XP\_003853337.1 NCRA|XP\_956310.2

>Orthogroup5224: BCIN|XP\_001560567.1 BGRA|VDB94618.1 CFRU|XP\_031886448.1 CGLO|KAF3811886.1 CHIG|XP\_018155170.1 CVIN|KAF4920557.1 CVYL|A06179 FGRM|XP\_011317389.1 MGRA|XP\_003855146.1 MLAR|XP\_007404589.1 MORY|QBZ53757.1 NCRA|XP\_955774.2 SSCL|APA07892.1

>Orthogroup5225: BCIN|XP\_001549738.1 BCIN|XP\_001560665.1 BCIN|XP\_024549273.1 CFRU|XP\_031892720.1 CGLO|KAF3812254.1 CHIG|XP\_018153480.1 CVIN|KAF4919934.1 MGRA|XP\_003856558.1 MLAR|XP\_007417116.1 MORY|QBZ65961.1 SSCL|APA07959.1 SSCL|APA08888.1 SSCL|APA13871.1

>Orthogroup5226: BCIN|XP\_001560760.1 BGRA|VDB90435.1 CFRU|XP\_031891017.1 CGLO|KAF3801646.1 CHIG|XP\_018151414.1 CVIN|KAF4921237.1 CVYL|A12490 FGRM|XP\_011328184.1 MGRA|XP\_003853777.1 MLAR|XP\_007406129.1 MORY|QBZ62411.1 NCRA|XP\_956078.1 SSCL|APA08015.1

>Orthogroup5227: BCIN|XP\_024547789.1 BGRA|VCU38792.1 CFRU|XP\_031877790.1 CGLO|KAF3796949.1 CHIG|XP\_018162397.1 CVIN|KAF4911624.1 CVYL|A07315 FGRM|XP\_011318546.1 MGRA|XP\_003849971.1 MLAR|XP\_007417002.1 MORY|QBZ61368.1 NCRA|XP\_956659.1 SSCL|APA08051.1

>Orthogroup5228: BCIN|XP\_024547935.1 BGRA|VDB86199.1 CFRU|XP\_031886874.1 CGLO|KAF3811239.1 CHIG|XP\_018160462.1 CVIN|KAF4931169.1 CVYL|A04426 FGRM|XP\_011327087.1 MGRA|XP\_003855151.1 MLAR|XP\_007415529.1 MORY|QBZ64758.1 NCRA|XP\_961134.2 SSCL|APA08266.1

>Orthogroup5229: BCIN|XP\_024547936.1 BGRA|VDB86170.1 CFRU|XP\_031891380.1 CGLO|KAF3804719.1 CHIG|XP\_018161795.1 CVIN|KAF4923370.1 CVYL|A05402 FGRM|XP\_011321490.1 MGRA|XP\_003855744.1 MLAR|XP\_007404325.1 MORY|QBZ59659.1 NCRA|XP\_011393856.1 SSCL|APA08269.1

>Orthogroup5230: BCIN|XP\_024548001.1 BGRA|VDB91055.1 CFRU|XP\_031888533.1 CGLO|KAF3803751.1 CHIG|XP\_018153162.1 CVIN|KAF4912471.1 CVYL|A14131 FGRM|XP\_011316251.1 MGRA|XP\_003851640.1 MLAR|XP\_007409013.1 MORY|QBZ59759.1 NCRA|XP\_965093.1 SSCL|APA08331.1

>Orthogroup5231: BCIN|XP\_024548051.1 BGRA|VDB91377.1 BGRA|VDB91379.1 CFRU|XP\_031886920.1 CGLO|KAF3811273.1 CHIG|XP\_018160496.1 CVIN|KAF4927260.1 CVYL|A04461 FGRM|XP\_011326928.1 MGRA|XP\_003850115.1 MORY|QBZ64490.1 NCRA|XP\_011394504.1 SSCL|APA08297.1

>Orthogroup5232: BCIN|XP\_024548072.1 BGRA|VCU40717.1 CFRU|XP\_031882341.1 CGLO|KAF3807610.1 CHIG|XP\_018156326.1 CVIN|KAF4928941.1 CVYL|A03144 FGRM|XP\_011318874.1 MGRA|XP\_003847886.1 MLAR|XP\_007417998.1 MORY|QBZ57129.1 NCRA|XP\_011395051.1 SSCL|APA12753.1

>Orthogroup5233: BCIN|XP\_024548292.1 BGRA|VDB93025.1 CFRU|XP\_031885492.1 CGLO|KAF3799521.1 CHIG|XP\_018154510.1 CVIN|KAF4931765.1 CVYL|A13381 FGRM|XP\_011321199.1 MGRA|XP\_003857493.1 MLAR|XP\_007414925.1 MORY|QBZ62079.1 NCRA|XP\_011393454.1 SSCL|APA12541.1

>Orthogroup5234: BCIN|XP\_001546025.2 BGRA|VCU40560.1 CFRU|XP\_031888630.1 CGLO|KAF3799260.1 CHIG|XP\_018159897.1 CVIN|KAF4908831.1 CVYL|A10152 FGRM|XP\_011324736.1 MGRA|XP\_003850061.1 MLAR|XP\_007408782.1 MORY|QBZ58674.1 NCRA|XP\_958085.1 SSCL|APA12589.1

>Orthogroup5235: BCIN|XP\_024548341.1 CHIG|XP\_018161433.1 CHIG|XP\_018161867.1 FGRM|XP\_011322600.1 MORY|QBZ57687.1 MORY|QBZ64305.1 SSCL|APA08421.1 SSCL|APA10758.1 SSCL|APA11426.1 SSCL|APA12633.1 SSCL|APA14930.1 SSCL|APA16003.1 SSCL|APA16360.1

>Orthogroup5236: BCIN|XP\_024548351.1 BGRA|VDB93719.1 CFRU|XP\_031881825.1 CGLO|KAF3800632.1 CHIG|XP\_018152052.1 CVIN|KAF4918182.1 CVYL|A13084 FGRM|XP\_011317214.1 MGRA|XP\_003849094.1 MLAR|XP\_007415653.1 MORY|QBZ57301.1 NCRA|XP\_956277.1 SSCL|APA12612.1

>Orthogroup5237: BCIN|XP\_001557675.2 CFRU|XP\_031877292.1 CFRU|XP\_031877293.1 CFRU|XP\_031892566.1 CGLO|KAF3806805.1 CGLO|KAF3809151.1 CHIG|XP\_018155944.1 CVIN|KAF4908875.1 CVYL|A01337 CVYL|A02461 FGRM|XP\_011318880.1 MGRA|XP\_003847852.1 MORY|QBZ62442.1

>Orthogroup5238: BCIN|XP\_024548700.1 CFRU|XP\_031880776.1 CFRU|XP\_031881183.1 CGLO|KAF3802563.1 CGLO|KAF3806922.1 CHIG|XP\_018150927.1 CVIN|KAF4919162.1 CVIN|KAF4921843.1 CVYL|A02152 CVYL|A02565 FGRM|XP\_011319594.1 NCRA|XP\_957524.1 SSCL|APA12627.1

>Orthogroup5239: BCIN|XP\_001559885.1 CFRU|XP\_031878869.1 CFRU|XP\_031888087.1 CFRU|XP\_031889605.1 CFRU|XP\_031892994.1 CGLO|KAF3802627.1 CGLO|KAF3805215.1 CVIN|KAF4907191.1 CVIN|KAF4907221.1 CVIN|KAF4921632.1 CVIN|KAF4925035.1 CVYL|A03228 SSCL|APA09736.1

>Orthogroup5240: BCIN|XP\_024548805.1 BGRA|VDB89566.1 CFRU|XP\_031885393.1 CGLO|KAF3799435.1 CHIG|XP\_018152312.1 CVIN|KAF4931803.1 CVYL|A13297 FGRM|XP\_011323716.1 MGRA|XP\_003854484.1 MLAR|XP\_007412876.1 MORY|QBZ64798.1 NCRA|XP\_956050.1 SSCL|APA09644.1

>Orthogroup5241: BCIN|XP\_024548857.1 BGRA|VDB93247.1 CFRU|XP\_031890197.1 CGLO|KAF3802921.1 CHIG|XP\_018158523.1 CVIN|KAF4925565.1 CVYL|A05094 FGRM|XP\_011316603.1 MGRA|XP\_003852300.1 NCRA|XP\_965046.3 NCRA|XP\_965047.1 NCRA|XP\_965048.1 SSCL|APA09458.1

>Orthogroup5242: BCIN|XP\_024548864.1 CFRU|XP\_031877318.1 CFRU|XP\_031890614.1 CGLO|KAF3799910.1 CGLO|KAF3805266.1 CHIG|XP\_018153781.1 CHIG|XP\_018158808.1 CVIN|KAF4918664.1 CVYL|A09611 CVYL|A13916 FGRM|XP\_011317302.1 NCRA|XP\_011393391.1 NCRA|XP\_962563.1

>Orthogroup5243: BCIN|XP\_024548978.1 BGRA|VDB83891.1 CFRU|XP\_031886603.1 CGLO|KAF3798911.1 CHIG|XP\_018158581.1 CVIN|KAF4917510.1 CVYL|A05042 FGRM|XP\_011328443.1 MGRA|XP\_003852521.1 MLAR|XP\_007411131.1 MORY|QBZ60493.1 NCRA|XP\_011392964.1 SSCL|APA09562.1

>Orthogroup5244: BCIN|XP\_001560312.1 CFRU|XP\_031888516.1 CGLO|KAF3803738.1 CHIG|XP\_018162636.1 CVYL|A10587 CVYL|A10836 CVYL|A13585 CVYL|A14120 MORY|QBZ61858.1 MORY|QBZ62342.1 MORY|QBZ66361.1 NCRA|XP\_958821.1 SSCL|APA13183.1

>Orthogroup5245: BCIN|XP\_001560341.1 BGRA|VCU38853.1 CFRU|XP\_031887744.1 CGLO|KAF3811611.1 CHIG|XP\_018160884.1 CVIN|KAF4921449.1 CVYL|A03470 FGRM|XP\_011328149.1 MGRA|XP\_003854779.1 MLAR|XP\_007409520.1 MORY|QBZ56226.1 NCRA|XP\_962632.1 SSCL|APA08810.1

>Orthogroup5246: BCIN|XP\_024549380.1 CFRU|XP\_031888492.1 CGLO|KAF3803718.1 CGLO|KAF3805639.1 CHIG|XP\_018163731.1 CHIG|XP\_018163732.1 CVIN|KAF4928578.1 CVYL|A14653 FGRM|XP\_011316833.1 FGRM|XP\_011316834.1 MORY|QBZ54586.1 NCRA|XP\_960464.3 SSCL|APA08958.1

>Orthogroup5247: BCIN|XP\_001559112.1 BGRA|VDB94010.1 CFRU|XP\_031887595.1 CGLO|KAF3811637.1 CHIG|XP\_018160912.1 CVIN|KAF4921458.1 CVYL|A03498 FGRM|XP\_011323581.1 MGRA|XP\_003857478.1 MLAR|XP\_007414125.1 MORY|QBZ56595.1 NCRA|XP\_964433.3 SSCL|APA09048.1

>Orthogroup5248: BCIN|XP\_024549408.1 BGRA|VDB91077.1 CFRU|XP\_031882887.1 CGLO|KAF3806672.1 CHIG|XP\_018164195.1 CVIN|KAF4923690.1 CVYL|A14215 FGRM|XP\_011316824.1 MGRA|XP\_003848574.1 MLAR|XP\_007416672.1 MORY|QBZ63796.1 NCRA|XP\_959170.2 SSCL|APA09078.1

>Orthogroup5249: BCIN|XP\_024549542.1 BGRA|VDB83577.1 CFRU|XP\_031893387.1 CGLO|KAF3800851.1 CHIG|XP\_018150845.1 CVIN|KAF4915578.1 CVYL|A11091 FGRM|XP\_011328041.1 MGRA|XP\_003851649.1 MLAR|XP\_007418481.1 MORY|QBZ57983.1 NCRA|XP\_962488.1 SSCL|APA09256.1

>Orthogroup5250: BCIN|XP\_001555967.1 BCIN|XP\_024549551.1 CFRU|XP\_031877624.1 CGLO|KAF3801101.1 CHIG|XP\_018153752.1 CVIN|KAF4909548.1 CVYL|A11294 FGRM|XP\_011323086.1 FGRM|XP\_011324416.1 MGRA|XP\_003847516.1 MGRA|XP\_003848497.1 SSCL|APA13908.1 SSCL|APA13910.1

>Orthogroup5251: BCIN|XP\_001556018.1 BGRA|VCU38867.1 BGRA|VCU38887.1 CFRU|XP\_031879539.1 CFRU|XP\_031887764.1 CGLO|KAF3802751.1 CGLO|KAF3803274.1 CHIG|XP\_018161121.1 CVIN|KAF4904375.1 CVIN|KAF4928637.1 CVYL|A03709 CVYL|A08074 SSCL|APA13939.1

>Orthogroup5252: BCIN|XP\_001558692.1 BCIN|XP\_024549712.1 CFRU|XP\_031888313.1 CGLO|KAF3803544.1 CHIG|XP\_018164148.1 CVIN|KAF4922244.1 CVYL|A14477 FGRM|XP\_011316157.1 FGRM|XP\_011325206.1 NCRA|XP\_011392864.1 NCRA|XP\_965139.2 NCRA|XP\_965403.2 SSCL|APA05465.1

>Orthogroup5253: BCIN|XP\_024549735.1 CFRU|XP\_031886833.1 CGLO|KAF3811224.1 CHIG|XP\_018160421.1 CVIN|KAF4931212.1 CVYL|A04392 FGRM|XP\_011326833.1 MORY|QBZ57031.1 NCRA|XP\_011394765.1 NCRA|XP\_957789.1 NCRA|XP\_963474.1 SSCL|APA05664.1 SSCL|APA05667.1

>Orthogroup5254: BCIN|XP\_001558635.1 BCIN|XP\_024552760.1 CFRU|XP\_031887183.1 CGLO|KAF3809385.1 CHIG|XP\_018156230.1 CVIN|KAF4893026.1 CVYL|A03136 MGRA|XP\_003852025.1 MORY|QBZ63710.1 MORY|QBZ63999.1 NCRA|XP\_956281.2 NCRA|XP\_958820.2 SSCL|APA05674.1

>Orthogroup5255: BCIN|XP\_024549891.1 BGRA|VCU40485.1 CFRU|XP\_031887020.1 CGLO|KAF3811321.1 CHIG|XP\_018160547.1 CVIN|KAF4927253.1 CVYL|A04502 FGRM|XP\_011327147.1 MGRA|XP\_003850075.1 MLAR|XP\_007406895.1 MORY|QBZ58038.1 NCRA|XP\_961186.3 SSCL|APA05569.1

>Orthogroup5256: BCIN|XP\_024550430.1 BGRA|VDB87963.1 CFRU|XP\_031887130.1 CGLO|KAF3811367.1 CHIG|XP\_018160603.1 CVIN|KAF4921035.1 CVYL|A04557 FGRM|XP\_011327223.1 MGRA|XP\_003855559.1 MLAR|XP\_007410119.1 MORY|QBZ56973.1 NCRA|XP\_961446.3 SSCL|APA11126.1

>Orthogroup5257: BCIN|XP\_024550513.1 CFRU|XP\_031891550.1 CGLO|KAF3797619.1 CHIG|XP\_018157408.1 CVIN|KAF4929366.1 CVYL|A06827 CVYL|A10232 FGRM|XP\_011323014.1 MORY|QBZ60263.1 MORY|QBZ66378.1 NCRA|XP\_959149.3 NCRA|XP\_963587.1 SSCL|APA11245.1

>Orthogroup5258: BCIN|XP\_024550518.1 BGRA|VDB89809.1 CFRU|XP\_031879087.1 CFRU|XP\_031879529.1 CGLO|KAF3798789.1 CGLO|KAF3802773.1 CHIG|XP\_018154232.1 CVIN|KAF4891443.1 CVIN|KAF4912203.1 CVYL|A08099 CVYL|A09135 FGRM|XP\_011324336.1 SSCL|APA11682.1

>Orthogroup5259: BCIN|XP\_001545719.1 BCIN|XP\_001556590.1 BCIN|XP\_024551629.1 CFRU|XP\_031887044.1 CGLO|KAF3811444.1 CHIG|XP\_018160687.1 CVIN|KAF4917874.1 CVYL|A04645 FGRM|XP\_011326837.1 MGRA|XP\_003855631.1 MORY|QBZ60640.1 NCRA|XP\_957098.1 SSCL|APA11321.1

>Orthogroup5260: BCIN|XP\_024550627.1 CFRU|XP\_031878935.1 CFRU|XP\_031888336.1 CGLO|KAF3803722.1 CHIG|XP\_018163045.1 CHIG|XP\_018163722.1 CVIN|KAF4922606.1 CVIN|KAF4928492.1 CVYL|A00756 CVYL|A14658 MORY|QBZ54856.1 MORY|QBZ61873.1 SSCL|APA11439.1

>Orthogroup5261: BCIN|XP\_024550703.1 BGRA|VCU40891.1 CFRU|XP\_031892787.1 CGLO|KAF3809054.1 CHIG|XP\_018155874.1 CVIN|KAF4900565.1 CVYL|A01276 FGRM|XP\_011319309.1 FGRM|XP\_011319310.1 MORY|QBZ59018.1 NCRA|XP\_961245.3 NCRA|XP\_963962.1 SSCL|APA11533.1

>Orthogroup5262: BCIN|XP\_024550729.1 CFRU|XP\_031887875.1 CFRU|XP\_031892433.1 CGLO|KAF3802294.1 CHIG|XP\_018154396.1 CVIN|KAF4924420.1 CVYL|A10607 FGRM|XP\_011319773.1 MGRA|XP\_003853307.1 MLAR|XP\_007414021.1 MORY|QBZ65745.1 NCRA|XP\_011392898.1 SSCL|APA11701.1

>Orthogroup5263: BCIN|XP\_024550836.1 BGRA|VDB88156.1 CFRU|XP\_031892752.1 CGLO|KAF3797202.1 CHIG|XP\_018157308.1 CVIN|KAF4920831.1 CVYL|A10495 FGRM|XP\_011320033.1 MGRA|XP\_003853576.1 MLAR|XP\_007409689.1 MORY|QBZ65932.1 NCRA|XP\_963792.3 SSCL|APA11759.1

>Orthogroup5264: BCIN|XP\_001545490.2 BGRA|VDB88141.1 CFRU|XP\_031877712.1 CGLO|KAF3797369.1 CHIG|XP\_018157140.1 CVIN|KAF4929369.1 CVYL|A10321 MGRA|XP\_003848408.1 MGRA|XP\_003852128.1 MLAR|XP\_007408962.1 MORY|QBZ65904.1 NCRA|XP\_965830.1 SSCL|APA11771.1

>Orthogroup5265: BCIN|XP\_024550851.1 BGRA|VDB88142.1 CFRU|XP\_031891303.1 CGLO|KAF3797382.1 CHIG|XP\_018157128.1 CVIN|KAF4929381.1 CVYL|A10302 FGRM|XP\_011320076.1 MGRA|XP\_003852750.1 MLAR|XP\_007413846.1 MORY|QBZ65938.1 NCRA|XP\_964894.2 SSCL|APA11775.1

>Orthogroup5266: BCIN|XP\_024550901.1 BGRA|VDB93987.1 CFRU|XP\_031892462.1 CGLO|KAF3797086.1 CHIG|XP\_018157071.1 CVIN|KAF4911391.1 CVYL|A10623 FGRM|XP\_011320172.1 MGRA|XP\_003852822.1 MLAR|XP\_007405093.1 MORY|QBZ66104.1 NCRA|XP\_964565.1 SSCL|APA11886.1

>Orthogroup5267: BCIN|XP\_024550906.1 BGRA|VDB89777.1 CFRU|XP\_031880431.1 CGLO|KAF3807331.1 CHIG|XP\_018156891.1 CVIN|KAF4920072.1 CVYL|A10825 FGRM|XP\_011319949.1 FGRM|XP\_011327490.1 MGRA|XP\_003852765.1 MORY|QBZ65641.1 NCRA|XP\_964736.2 SSCL|APA11883.1

>Orthogroup5268: BCIN|XP\_024550965.1 BGRA|VDB89178.1 CFRU|XP\_031880300.1 CFRU|XP\_031880305.1 CGLO|KAF3809000.1 CHIG|XP\_018155849.1 CVIN|KAF4918006.1 CVYL|A01479 FGRM|XP\_011319359.1 MGRA|XP\_003851708.1 MORY|QBZ58947.1 NCRA|XP\_960681.1 SSCL|APA11580.1

>Orthogroup5269: BCIN|XP\_001551681.1 CFRU|XP\_031892733.1 CGLO|KAF3797220.1 CHIG|XP\_018157286.1 CVIN|KAF4917694.1 CVYL|A10476 FGRM|XP\_011320107.1 MGRA|XP\_003857457.1 MLAR|XP\_007413253.1 MLAR|XP\_007413288.1 MORY|QBZ65999.1 NCRA|XP\_964905.1 SSCL|APA11593.1

>Orthogroup5270: BCIN|XP\_001551733.2 BGRA|VDB88172.1 CFRU|XP\_031892451.1 CGLO|KAF3797211.1 CHIG|XP\_018157297.1 CVIN|KAF4920839.1 CVYL|A10484 FGRM|XP\_011320043.1 MLAR|XP\_007416611.1 MLAR|XP\_007416612.1 MORY|QBZ65983.1 NCRA|XP\_964619.1 SSCL|APA12012.1

>Orthogroup5271: BCIN|XP\_024551068.1 BGRA|VDB88173.1 CFRU|XP\_031892453.1 CGLO|KAF3797206.1 CHIG|XP\_018157303.1 CVIN|KAF4920819.1 CVYL|A10491 FGRM|XP\_011320040.1 MLAR|XP\_007410777.1 MLAR|XP\_007415319.1 MORY|QBZ65980.1 NCRA|XP\_964617.1 SSCL|APA12013.1

>Orthogroup5272: BCIN|XP\_024551071.1 BGRA|VDB88174.1 CFRU|XP\_031892736.1 CGLO|KAF3797213.1 CHIG|XP\_018157295.1 CVIN|KAF4920837.1 CVYL|A10482 FGRM|XP\_011320157.1 MGRA|XP\_003852155.1 MLAR|XP\_007414237.1 MORY|QBZ65985.1 NCRA|XP\_011393174.1 SSCL|APA12015.1

>Orthogroup5273: BCIN|XP\_024551089.1 BGRA|VDB95311.1 CFRU|XP\_031892367.1 CGLO|KAF3807206.1 CHIG|XP\_018157012.1 CVIN|KAF4928156.1 CVYL|A10690 FGRM|XP\_011320231.1 MGRA|XP\_003852752.1 MLAR|XP\_007414106.1 MORY|QBZ60439.1 NCRA|XP\_964879.1 SSCL|APA12035.1

>Orthogroup5274: BCIN|XP\_001553295.1 BGRA|VDB95313.1 CFRU|XP\_031892366.1 CGLO|KAF3807205.1 CHIG|XP\_018157011.1 CVIN|KAF4928157.1 CVYL|A10691 FGRM|XP\_011320232.1 MGRA|XP\_003853098.1 MLAR|XP\_007418382.1 MORY|QBZ60438.1 NCRA|XP\_964878.1 SSCL|APA12036.1

>Orthogroup5275: BCIN|XP\_024551094.1 BGRA|VDB95249.1 CFRU|XP\_031887926.1 CGLO|KAF3802136.1 CHIG|XP\_018154289.1 CVIN|KAF4912419.1 CVYL|A03257 FGRM|XP\_011320065.1 MGRA|XP\_003857357.1 MLAR|XP\_007416522.1 MORY|QBZ66052.1 NCRA|XP\_964197.2 SSCL|APA12041.1

>Orthogroup5276: BCIN|XP\_001553261.1 BGRA|VDB89831.1 CFRU|XP\_031880408.1 CGLO|KAF3807328.1 CHIG|XP\_018156888.1 CVIN|KAF4920063.1 CVYL|A10828 FGRM|XP\_011319946.1 MGRA|XP\_003852084.1 MGRA|XP\_003852236.1 MLAR|XP\_007414657.1 NCRA|XP\_964739.2 SSCL|APA12055.1

>Orthogroup5277: BCIN|XP\_001554184.2 CFRU|XP\_031879998.1 CGLO|KAF3805186.1 CHIG|XP\_018152946.1 CVIN|KAF4905168.1 CVYL|A07968 FGRM|XP\_011328128.1 MGRA|XP\_003848045.1 MGRA|XP\_003856717.1 MLAR|XP\_007407239.1 MORY|QBZ53451.1 NCRA|XP\_964946.1 SSCL|APA10178.1

>Orthogroup5278: BCIN|XP\_001554227.1 BGRA|VDB83941.1 CFRU|XP\_031876933.1 CGLO|KAF3810691.1 CHIG|XP\_018162456.1 CVIN|KAF4909753.1 CVYL|A07267 FGRM|XP\_011327006.1 MGRA|XP\_003849948.1 MLAR|XP\_007412879.1 MORY|QBZ61356.1 NCRA|XP\_011393882.1 SSCL|APA10152.1

>Orthogroup5279: BCIN|XP\_001557444.1 CFRU|XP\_031877173.1 CGLO|KAF3806414.1 CHIG|XP\_018162298.1 CVIN|KAF4918066.1 CVYL|A12008 FGRM|XP\_011315707.1 FGRM|XP\_011319574.1 FGRM|XP\_011322102.1 FGRM|XP\_011322645.1 FGRM|XP\_011327718.1 MORY|QBZ59299.1 SSCL|APA10659.1

>Orthogroup5280: BCIN|XP\_001547487.1 BCIN|XP\_024551431.1 CFRU|XP\_031883085.1 CHIG|XP\_018163255.1 CVIN|KAF4924278.1 CVYL|A00502 FGRM|XP\_011322864.1 FGRM|XP\_011326239.1 MGRA|XP\_003852674.1 MORY|QBZ57144.1 NCRA|XP\_957730.2 SSCL|APA10677.1 SSCL|APA14947.1

>Orthogroup5281: BCIN|XP\_024551688.1 CFRU|XP\_031880091.1 CFRU|XP\_031887185.1 CGLO|KAF3809383.1 CGLO|KAF3811821.1 CHIG|XP\_018151740.1 CHIG|XP\_018156232.1 CVIN|KAF4900278.1 CVIN|KAF4924929.1 CVYL|A03114 CVYL|A12824 FGRM|XP\_011325802.1 MORY|QBZ61262.1

>Orthogroup5282: BCIN|XP\_001556795.2 BGRA|VDB89712.1 CFRU|XP\_031884712.1 CGLO|KAF3801023.1 CHIG|XP\_018153328.1 CVIN|KAF4892768.1 CVYL|A00361 FGRM|XP\_011321567.1 FGRM|XP\_011321568.1 MGRA|XP\_003850059.1 MORY|QBZ63604.1 NCRA|XP\_963700.1 SSCL|APA14576.1

>Orthogroup5283: BCIN|XP\_001549090.2 BGRA|VDB91044.1 CFRU|XP\_031888296.1 CGLO|KAF3803526.1 CHIG|XP\_018164063.1 CVIN|KAF4922232.1 CVYL|A14456 FGRM|XP\_011326522.1 MGRA|XP\_003848278.1 MLAR|XP\_007411630.1 MORY|QBZ62819.1 NCRA|XP\_964019.1 SSCL|APA06219.1

>Orthogroup5284: BCIN|XP\_024551893.1 BGRA|VDB91041.1 CFRU|XP\_031882754.1 CGLO|KAF3803431.1 CHIG|XP\_018164100.1 CVIN|KAF4926289.1 CVYL|A14359 FGRM|XP\_011316176.1 MGRA|XP\_003851768.1 MLAR|XP\_007413106.1 MORY|QBZ54605.1 NCRA|XP\_963840.3 SSCL|APA06235.1

>Orthogroup5285: BCIN|XP\_001546622.2 BGRA|VDB89503.1 CFRU|XP\_031883883.1 CGLO|KAF3805153.1 CHIG|XP\_018163359.1 CVIN|KAF4927423.1 CVYL|A06403 FGRM|XP\_011321683.1 MGRA|XP\_003856434.1 MLAR|XP\_007410898.1 MORY|QBZ59514.1 NCRA|XP\_962425.3 SSCL|APA06338.1

>Orthogroup5286: BCIN|XP\_024551923.1 CFRU|XP\_031885012.1 CFRU|XP\_031893529.1 CGLO|KAF3800298.1 CGLO|KAF3809474.1 CHIG|XP\_018152698.1 CHIG|XP\_018162787.1 CVIN|KAF4921270.1 CVIN|KAF4927576.1 CVYL|A06935 CVYL|A10040 CVYL|A10041 SSCL|APA06360.1

>Orthogroup5287: BCIN|XP\_024551960.1 CFRU|XP\_031876136.1 CFRU|XP\_031885269.1 CGLO|KAF3807761.1 CGLO|KAF3810275.1 CHIG|XP\_018163375.1 CVIN|KAF4918596.1 CVIN|KAF4920545.1 CVYL|A00838 CVYL|A11269 CVYL|A11270 FGRM|XP\_011325282.1 MORY|QBZ57897.1

>Orthogroup5288: BCIN|XP\_001557930.2 BGRA|VDB92786.1 CFRU|XP\_031880126.1 CFRU|XP\_031880631.1 CGLO|KAF3809944.1 CHIG|XP\_018161524.1 CVIN|KAF4930661.1 CVYL|A01679 FGRM|XP\_011318386.1 MGRA|XP\_003853308.1 MORY|QBZ65122.1 NCRA|XP\_959112.1 SSCL|APA12659.1

>Orthogroup5289: BCIN|XP\_024552212.1 CFRU|XP\_031889428.1 CGLO|KAF3808740.1 CHIG|XP\_018155635.1 CVIN|KAF4929585.1 CVYL|A00922 FGRM|XP\_011318088.1 FGRM|XP\_011319974.1 FGRM|XP\_011320651.1 MORY|QBZ65005.1 MORY|QBZ65727.1 NCRA|XP\_960202.2 SSCL|APA12920.1

>Orthogroup5290: BCIN|XP\_024552400.1 BGRA|VDB89660.1 CFRU|XP\_031887722.1 CGLO|KAF3803311.1 CHIG|XP\_018161163.1 CVIN|KAF4898739.1 CVYL|A03746 MGRA|XP\_003849419.1 MLAR|XP\_007414773.1 MLAR|XP\_007415079.1 MORY|QBZ64585.1 NCRA|XP\_962215.3 SSCL|APA13296.1

>Orthogroup5291: BCIN|XP\_001546057.1 BGRA|VDB93620.1 CFRU|XP\_031884334.1 CFRU|XP\_031886819.1 CHIG|XP\_018162360.1 CVIN|KAF4908645.1 CVIN|KAF4917506.1 FGRM|XP\_011323925.1 MGRA|XP\_003850218.1 MLAR|XP\_007409372.1 MORY|QBZ55495.1 NCRA|XP\_958273.1 SSCL|APA14986.1

>Orthogroup5292: BCIN|XP\_001555340.2 CFRU|XP\_031881431.1 CGLO|KAF3805762.1 CHIG|XP\_018156157.1 CHIG|XP\_018163658.1 CVIN|KAF4919348.1 CVIN|KAF4926565.1 CVYL|A06054 FGRM|XP\_011327582.1 MORY|QBZ55565.1 MORY|QBZ61975.1 NCRA|XP\_956518.1 SSCL|APA08603.1

>Orthogroup5293: BCIN|XP\_001555272.1 BGRA|VDB86160.1 CFRU|XP\_031879466.1 CGLO|KAF3802423.1 CHIG|XP\_018152812.1 CHIG|XP\_018154720.1 CVIN|KAF4918229.1 CVYL|A13566 FGRM|XP\_011315951.1 MGRA|XP\_003849724.1 MORY|QBZ64857.1 NCRA|XP\_011393538.1 SSCL|APA08654.1

>Orthogroup5294: BCIN|XP\_001556386.1 BGRA|VDB88202.1 CFRU|XP\_031885798.1 CGLO|KAF3810100.1 CHIG|XP\_018157849.1 CVIN|KAF4910245.1 CVYL|A02693 FGRM|XP\_011328227.1 MGRA|XP\_003856354.1 MLAR|XP\_007408117.1 MORY|QBZ61306.1 NCRA|XP\_957532.1 SSCL|APA08702.1

>Orthogroup5295: BCIN|XP\_024552643.1 BGRA|VDB88072.1 CFRU|XP\_031882563.1 CGLO|KAF3800477.1 CHIG|XP\_018152218.1 CVIN|KAF4906663.1 CVYL|A13234 FGRM|XP\_011321326.1 MGRA|XP\_003851674.1 MLAR|XP\_007413013.1 MORY|QBZ62010.1 NCRA|XP\_956006.2 SSCL|APA15592.1

>Orthogroup5296: BCIN|XP\_001547584.2 BGRA|VCU41313.1 CFRU|XP\_031889076.1 CGLO|KAF3808701.1 CHIG|XP\_018155565.1 CVIN|KAF4929573.1 CVYL|A00963 FGRM|XP\_011321108.1 MGRA|XP\_003856224.1 MLAR|XP\_007414369.1 MORY|QBZ60095.1 NCRA|XP\_957394.1 SSCL|APA07459.1

>Orthogroup5297: BCIN|XP\_024553222.1 BGRA|VCU40504.1 CFRU|XP\_031891526.1 CGLO|KAF3804552.1 CHIG|XP\_018160388.1 CVIN|KAF4924536.1 CVYL|A04270 FGRM|XP\_011326694.1 MGRA|XP\_003849940.1 MLAR|XP\_007415768.1 MORY|QBZ56906.1 NCRA|XP\_961565.2 SSCL|APA13503.1

>Orthogroup5298: BCIN|XP\_024553788.1 BGRA|VDB84380.1 CFRU|XP\_031880677.1 CGLO|KAF3811185.1 CHIG|XP\_018159508.1 CVIN|KAF4931219.1 CVYL|A04348 FGRM|XP\_011323737.1 MGRA|XP\_003855148.1 MLAR|XP\_007410223.1 MORY|QBZ64681.1 NCRA|XP\_960888.1 SSCL|APA15165.1

>Orthogroup5299: BGRA|VCU39526.1 BGRA|VCU39988.1 BGRA|VCU39993.1 BGRA|VCU40024.1 BGRA|VCU40029.1 BGRA|VCU40030.1 BGRA|VCU40033.1 BGRA|VCU40044.1 BGRA|VCU40178.1 BGRA|VCU40770.1 BGRA|VDB86263.1 BGRA|VDB86281.1 BGRA|VDB95341.1

>Orthogroup5300: BGRA|VCU41353.1 BGRA|VCU41355.1 BGRA|VCU41356.1 BGRA|VCU41357.1 BGRA|VCU41358.1 BGRA|VCU41359.1 BGRA|VCU41360.1 BGRA|VCU41361.1 BGRA|VCU41362.1 BGRA|VCU41364.1 BGRA|VCU41365.1 BGRA|VCU41366.1 BGRA|VDB91123.1

>Orthogroup5301: BGRA|VDB88892.1 CFRU|XP\_031882022.1 CFRU|XP\_031882023.1 CGLO|KAF3806117.1 CHIG|XP\_018161986.1 CHIG|XP\_018164544.1 CHIG|XP\_018164545.1 CVIN|KAF4911015.1 CVIN|KAF4911028.1 CVYL|A07393 CVYL|A07394 FGRM|XP\_011315696.1 NCRA|XP\_964930.1

>Orthogroup5302: CFRU|XP\_031892718.1 CFRU|XP\_031893246.1 CGLO|KAF3800859.1 CGLO|KAF3806792.1 CGLO|KAF3812258.1 CHIG|XP\_018153482.1 CHIG|XP\_018161551.1 CVIN|KAF4915573.1 CVIN|KAF4919931.1 CVYL|A00129 CVYL|A11098 FGRM|XP\_011322376.1 FGRM|XP\_011322548.1

>Orthogroup5303: CFRU|XP\_031880406.1 CFRU|XP\_031893378.1 CGLO|KAF3807344.1 CHIG|XP\_018153969.1 CHIG|XP\_018159003.1 CVIN|KAF4920067.1 CVYL|A08186 CVYL|A08653 CVYL|A10833 CVYL|A10834 FGRM|XP\_011319593.1 FGRM|XP\_011326024.1 MORY|QBZ63153.1

>Orthogroup5304: CFRU|XP\_031880397.1 CFRU|XP\_031889975.1 CFRU|XP\_031893002.1 CGLO|KAF3802855.1 CGLO|KAF3807246.1 CGLO|KAF3808037.1 CHIG|XP\_018151234.1 CVIN|KAF4899970.1 CVIN|KAF4922845.1 CVIN|KAF4928168.1 CVYL|A05159 CVYL|A08195 CVYL|A10725

>Orthogroup5305: CFRU|XP\_031876033.1 CFRU|XP\_031876053.1 CFRU|XP\_031893478.1 CGLO|KAF3805253.1 CGLO|KAF3809608.1 CHIG|XP\_018158823.1 CVIN|KAF4918683.1 CVIN|KAF4919207.1 CVYL|A08434 CVYL|A13902 FGRM|XP\_011322199.1 FGRM|XP\_011325916.1 MORY|QBZ61657.1

>Orthogroup5306: CFRU|XP\_031883555.1 CFRU|XP\_031888700.1 CGLO|KAF3799249.1 CHIG|XP\_018159891.1 CVIN|KAF4897562.1 CVIN|KAF4908843.1 CVYL|A10142 FGRM|XP\_011319299.1 FGRM|XP\_011321785.1 FGRM|XP\_011325704.1 FGRM|XP\_011325931.1 FGRM|XP\_011326080.1 MORY|QBZ55428.1

>Orthogroup5307: CFRU|XP\_031888836.1 CFRU|XP\_031891157.1 CGLO|KAF3799357.1 CGLO|KAF3804488.1 CHIG|XP\_018159945.1 CHIG|XP\_018160317.1 CVIN|KAF4910724.1 CVIN|KAF4930928.1 CVYL|A04203 CVYL|A04575 FGRM|XP\_011321890.1 FGRM|XP\_011325779.1 MORY|QBZ56171.1

>Orthogroup5308: CFRU|XP\_031875787.1 CFRU|XP\_031881318.1 CGLO|KAF3796970.1 CGLO|KAF3797584.1 CGLO|KAF3802452.1 CHIG|XP\_018154750.1 CVIN|KAF4912179.1 CVIN|KAF4913296.1 CVIN|KAF4913913.1 CVYL|A03404 CVYL|A05811 FGRM|XP\_011325855.1 MORY|QBZ54033.1

>Orthogroup5309: CFRU|XP\_031878895.1 CFRU|XP\_031888022.1 CGLO|KAF3802238.1 CGLO|KAF3807900.1 CHIG|XP\_018154345.1 CHIG|XP\_018163070.1 CHIG|XP\_018165002.1 CVIN|KAF4914850.1 CVIN|KAF4915249.1 CVYL|A00714 CVYL|A03161 MORY|QBZ61188.1 NCRA|XP\_958221.2

>Orthogroup5310: CFRU|XP\_031886506.1 CFRU|XP\_031891420.1 CFRU|XP\_031892055.1 CGLO|KAF3804558.1 CGLO|KAF3806326.1 CHIG|XP\_018164848.1 CVIN|KAF4921597.1 CVIN|KAF4923085.1 CVIN|KAF4923965.1 CVYL|A05317 CVYL|A07791 CVYL|A11915 FGRM|XP\_011328397.1

>Orthogroup5311: CFRU|XP\_031882522.1 CFRU|XP\_031886013.1 CGLO|KAF3806552.1 CGLO|KAF3807559.1 CHIG|XP\_018156378.1 CHIG|XP\_018157597.1 CVIN|KAF4920489.1 CVIN|KAF4928908.1 CVYL|A02926 CVYL|A09317 MLAR|XP\_007414112.1 MORY|QBZ56242.1 NCRA|XP\_958227.1

>Orthogroup5312: CFRU|XP\_031885353.1 CGLO|KAF3799450.1 CHIG|XP\_018154437.1 CVIN|KAF4931899.1 CVYL|A13312 FGRM|XP\_011320555.1 FGRM|XP\_011320559.1 FGRM|XP\_011320561.1 FGRM|XP\_011325737.1 FGRM|XP\_011327307.1 FGRM|XP\_011328736.1 MORY|QBZ54391.1 NCRA|XP\_957192.1

>Orthogroup5313: CFRU|XP\_031877472.1 CFRU|XP\_031885089.1 CGLO|KAF3798407.1 CGLO|KAF3807730.1 CGLO|KAF3808684.1 CGLO|KAF3811754.1 CHIG|XP\_018156238.1 CHIG|XP\_018160137.1 CHIG|XP\_018162956.1 CVIN|KAF4920011.1 CVIN|KAF4920533.1 CVYL|A06876 CVYL|A11229

>Orthogroup5314: CFRU|XP\_031877063.1 CFRU|XP\_031884851.1 CGLO|KAF3811091.1 CGLO|KAF3812168.1 CHIG|XP\_018153394.1 CHIG|XP\_018162996.1 CVIN|KAF4911078.1 CVIN|KAF4918739.1 CVYL|A00222 CVYL|A09703 FGRM|XP\_011315681.1 MGRA|XP\_003854648.1 SSCL|APA09988.1

>Orthogroup5315: CFRU|XP\_031881677.1 CFRU|XP\_031884476.1 CGLO|KAF3799712.1 CGLO|KAF3807450.1 CHIG|XP\_018153404.1 CHIG|XP\_018155412.1 CVIN|KAF4918508.1 CVIN|KAF4919951.1 CVYL|A05873 CVYL|A10959 FGRM|XP\_011316997.1 FGRM|XP\_011327596.1 MORY|QBZ64194.1

>Orthogroup5316: CFRU|XP\_031883114.1 CFRU|XP\_031883204.1 CFRU|XP\_031884399.1 CGLO|KAF3799695.1 CGLO|KAF3807962.1 CGLO|KAF3807979.1 CGLO|KAF3808160.1 CVIN|KAF4919988.1 CVIN|KAF4924031.1 CVIN|KAF4924268.1 CVIN|KAF4924306.1 CVYL|A00511 CVYL|A05859

>Orthogroup5317: CFRU|XP\_031884547.1 CFRU|XP\_031889800.1 CGLO|KAF3805881.1 CGLO|KAF3810359.1 CGLO|KAF3810360.1 CGLO|KAF3810361.1 CHIG|XP\_018158364.1 CVIN|KAF4920791.1 CVYL|A05751 CVYL|A13832 FGRM|XP\_011316464.1 NCRA|XP\_001728056.1 NCRA|XP\_964383.2

>Orthogroup5318: CFRU|XP\_031884165.1 CFRU|XP\_031890750.1 CGLO|KAF3811074.1 CGLO|KAF3811723.1 CHIG|XP\_018153099.1 CVIN|KAF4915268.1 CVIN|KAF4922978.1 CVYL|A09726 CVYL|A12740 FGRM|XP\_011322467.1 MLAR|XP\_007409075.1 MLAR|XP\_007414772.1 MORY|QBZ62003.1

>Orthogroup5319: CFRU|XP\_031884058.1 CFRU|XP\_031892285.1 CGLO|KAF3801275.1 CGLO|KAF3804988.1 CHIG|XP\_018152414.1 CHIG|XP\_018156473.1 CHIG|XP\_018159941.1 CVYL|A06562 CVYL|A07812 MGRA|XP\_003852332.1 MGRA|XP\_003853406.1 NCRA|XP\_956813.2 NCRA|XP\_964943.1

>Orthogroup5320: CFRU|XP\_031876432.1 CFRU|XP\_031891936.1 CGLO|KAF3800147.1 CHIG|XP\_018165081.1 CVIN|KAF4925866.1 CVYL|A02379 CVYL|A06838 FGRM|XP\_011321763.1 FGRM|XP\_011322787.1 MGRA|XP\_003849403.1 MORY|QBZ57862.1 MORY|QBZ57893.1 NCRA|XP\_962484.2

>Orthogroup5321: CFRU|XP\_031882013.1 CGLO|KAF3806129.1 CHIG|XP\_018164534.1 CVIN|KAF4911013.1 CVYL|A07379 FGRM|XP\_011324948.1 MLAR|XP\_007403744.1 MLAR|XP\_007403745.1 MLAR|XP\_007403940.1 MLAR|XP\_007413069.1 MLAR|XP\_007414898.1 MORY|QBZ62312.1 NCRA|XP\_959890.2

>Orthogroup5322: CFRU|XP\_031879587.1 CFRU|XP\_031881492.1 CGLO|KAF3802780.1 CGLO|KAF3805784.1 CHIG|XP\_018152926.1 CVIN|KAF4912216.1 CVIN|KAF4926572.1 CVYL|A06036 CVYL|A07993 FGRM|XP\_011318292.1 MGRA|XP\_003854643.1 MORY|QBZ55241.1 MORY|QBZ62399.1

>Orthogroup5323: CFRU|XP\_031879986.1 CFRU|XP\_031881096.1 CGLO|KAF3798955.1 CHIG|XP\_018152858.1 CHIG|XP\_018161375.1 CVIN|KAF4923504.1 CVIN|KAF4930729.1 CVYL|A01817 CVYL|A07871 FGRM|XP\_011318412.1 MGRA|XP\_003857294.1 MORY|QBZ54778.1 NCRA|XP\_960088.1

>Orthogroup5324: CFRU|XP\_031891517.1 CGLO|KAF3797424.1 CGLO|KAF3797425.1 CGLO|KAF3804198.1 CGLO|KAF3812218.1 CHIG|XP\_018157386.1 CVIN|KAF4929415.1 CVYL|A10250 FGRM|XP\_011325850.1 FGRM|XP\_011325851.1 MGRA|XP\_003849703.1 MORY|QBZ60206.1 NCRA|XP\_961852.2

>Orthogroup5325: CFRU|XP\_031891491.1 CGLO|KAF3804533.1 CHIG|XP\_018153880.1 CHIG|XP\_018159458.1 CVIN|KAF4924485.1 CVYL|A04250 FGRM|XP\_011318716.1 FGRM|XP\_011319416.1 FGRM|XP\_011327607.1 FGRM|XP\_011327659.1 FGRM|XP\_011328801.1 MORY|QBZ64727.1 NCRA|XP\_955847.1

>Orthogroup5326: CFRU|XP\_031878323.1 CFRU|XP\_031880694.1 CFRU|XP\_031890674.1 CFRU|XP\_031891609.1 CGLO|KAF3798055.1 CGLO|KAF3804634.1 CGLO|KAF3804847.1 CGLO|KAF3809970.1 CVIN|KAF4900680.1 CVIN|KAF4914188.1 CVIN|KAF4927976.1 CVYL|A12225 FGRM|XP\_011318337.1

>Orthogroup5327: CFRU|XP\_031891102.1 CFRU|XP\_031891483.1 CGLO|KAF3797893.1 CGLO|KAF3799084.1 CGLO|KAF3801472.1 CHIG|XP\_018155538.1 CHIG|XP\_018161629.1 CVIN|KAF4903842.1 CVIN|KAF4923067.1 CVYL|A05330 CVYL|A12651 MORY|QBZ62029.1 MORY|QBZ62035.1

>Orthogroup5328: CFRU|XP\_031880050.1 CFRU|XP\_031880051.1 CGLO|KAF3811832.1 CHIG|XP\_018154044.1 CHIG|XP\_018154045.1 CVIN|KAF4924907.1 CVIN|KAF4924908.1 CVYL|A12833 CVYL|A12834 FGRM|XP\_011318180.1 FGRM|XP\_011326037.1 FGRM|XP\_011326038.1 MORY|QBZ56732.1

>Orthogroup5329: CFRU|XP\_031879321.1 CGLO|KAF3801982.1 CGLO|KAF3808587.1 CHIG|XP\_018155788.1 CHIG|XP\_018155789.1 CVIN|KAF4908437.1 CVIN|KAF4908450.1 CVIN|KAF4929741.1 CVYL|A02413 CVYL|A11554 CVYL|A12232 FGRM|XP\_011320714.1 FGRM|XP\_011325287.1

>Orthogroup5330: CFRU|XP\_031878734.1 CFRU|XP\_031889320.1 CGLO|KAF3803098.1 CGLO|KAF3803844.1 CHIG|XP\_018151080.1 CHIG|XP\_018155592.1 CVIN|KAF4906645.1 CVIN|KAF4929613.1 CVYL|A00989 CVYL|A08957 FGRM|XP\_011321375.1 FGRM|XP\_011326156.1 MORY|QBZ64118.1

>Orthogroup5331: CFRU|XP\_031878327.1 CFRU|XP\_031878328.1 CGLO|KAF3798051.1 CGLO|KAF3798052.1 CHIG|XP\_018158099.1 CHIG|XP\_018158100.1 CVIN|KAF4928014.1 CVIN|KAF4928015.1 CVYL|A08304 FGRM|XP\_011323856.1 MORY|QBZ62712.1 MORY|QBZ62730.1 NCRA|XP\_957675.1

>Orthogroup5332: CFRU|XP\_031889864.1 CFRU|XP\_031890000.1 CFRU|XP\_031890002.1 CFRU|XP\_031890003.1 CFRU|XP\_031890190.1 CHIG|XP\_018151264.1 CHIG|XP\_018159733.1 CVIN|KAF4896318.1 CVYL|A09181 CVYL|A09182 CVYL|A13605 MORY|QBZ63807.1 NCRA|XP\_011393372.1

>Orthogroup5333: CGLO|KAF3799165.1 MGRA|XP\_003847071.1 MORY|QBZ53505.1 MORY|QBZ56778.1 MORY|QBZ56779.1 MORY|QBZ60065.1 MORY|QBZ61841.1 MORY|QBZ63720.1 MORY|QBZ65323.1 MORY|QBZ65494.1 MORY|QBZ66543.1 MORY|QBZ66547.1 MORY|QBZ66569.1

>Orthogroup5334: MGRA|XP\_003850898.1 MGRA|XP\_003850899.1 MGRA|XP\_003850900.1 MGRA|XP\_003850901.1 MGRA|XP\_003850902.1 MGRA|XP\_003850903.1 MGRA|XP\_003850904.1 MGRA|XP\_003850905.1 MGRA|XP\_003850906.1 MGRA|XP\_003850907.1 MGRA|XP\_003850908.1 MGRA|XP\_003850909.1 MGRA|XP\_003850910.1

>Orthogroup5335: MLAR|XP\_007403494.1 MLAR|XP\_007403666.1 MLAR|XP\_007404034.1 MLAR|XP\_007404625.1 MLAR|XP\_007414442.1 MLAR|XP\_007414818.1 MLAR|XP\_007414882.1 MLAR|XP\_007415365.1 MLAR|XP\_007415897.1 MLAR|XP\_007416539.1 MLAR|XP\_007417352.1 MLAR|XP\_007417551.1 MLAR|XP\_007418855.1

>Orthogroup5336: MLAR|XP\_007403519.1 MLAR|XP\_007406290.1 MLAR|XP\_007409464.1 MLAR|XP\_007411230.1 MLAR|XP\_007411403.1 MLAR|XP\_007412072.1 MLAR|XP\_007412774.1 MLAR|XP\_007413853.1 MLAR|XP\_007416937.1 MLAR|XP\_007417625.1 MLAR|XP\_007418443.1 MLAR|XP\_007419107.1 MLAR|XP\_007419801.1

>Orthogroup5337: MLAR|XP\_007403540.1 MLAR|XP\_007406082.1 MLAR|XP\_007406246.1 MLAR|XP\_007406900.1 MLAR|XP\_007407374.1 MLAR|XP\_007407813.1 MLAR|XP\_007413388.1 MLAR|XP\_007415824.1 MLAR|XP\_007416748.1 MLAR|XP\_007417987.1 MLAR|XP\_007419714.1 MLAR|XP\_007419741.1 MLAR|XP\_007419774.1

>Orthogroup5338: MLAR|XP\_007403752.1 MLAR|XP\_007408980.1 MLAR|XP\_007409154.1 MLAR|XP\_007409411.1 MLAR|XP\_007410466.1 MLAR|XP\_007413619.1 MLAR|XP\_007416440.1 MLAR|XP\_007416766.1 MLAR|XP\_007417083.1 MLAR|XP\_007418186.1 MLAR|XP\_007418661.1 MLAR|XP\_007419078.1 MLAR|XP\_007419334.1

>Orthogroup5339: MLAR|XP\_007403856.1 MLAR|XP\_007403869.1 MLAR|XP\_007403873.1 MLAR|XP\_007403876.1 MLAR|XP\_007407525.1 MLAR|XP\_007409948.1 MLAR|XP\_007410269.1 MLAR|XP\_007410817.1 MLAR|XP\_007411684.1 MLAR|XP\_007411736.1 MLAR|XP\_007411738.1 MLAR|XP\_007414901.1 MLAR|XP\_007419453.1

>Orthogroup5340: MLAR|XP\_007404214.1 MLAR|XP\_007405238.1 MLAR|XP\_007407607.1 MLAR|XP\_007407608.1 MLAR|XP\_007407609.1 MLAR|XP\_007413329.1 MLAR|XP\_007418217.1 MLAR|XP\_007418219.1 MLAR|XP\_007418255.1 MLAR|XP\_007418256.1 MLAR|XP\_007418260.1 MLAR|XP\_007418261.1 MLAR|XP\_007419270.1

>Orthogroup5341: MLAR|XP\_007404568.1 MLAR|XP\_007405700.1 MLAR|XP\_007406426.1 MLAR|XP\_007407360.1 MLAR|XP\_007408090.1 MLAR|XP\_007408565.1 MLAR|XP\_007410025.1 MLAR|XP\_007414277.1 MLAR|XP\_007416072.1 MLAR|XP\_007417350.1 MLAR|XP\_007417699.1 MLAR|XP\_007418355.1 MLAR|XP\_007418972.1

>Orthogroup5342: MLAR|XP\_007404499.1 MLAR|XP\_007406861.1 MLAR|XP\_007408640.1 MLAR|XP\_007413980.1 MLAR|XP\_007414651.1 MLAR|XP\_007416275.1 MLAR|XP\_007416413.1 MLAR|XP\_007416775.1 MLAR|XP\_007417296.1 MLAR|XP\_007417341.1 MLAR|XP\_007417821.1 MLAR|XP\_007419307.1 MLAR|XP\_007419439.1

>Orthogroup5343: MLAR|XP\_007404514.1 MLAR|XP\_007405600.1 MLAR|XP\_007407764.1 MLAR|XP\_007409041.1 MLAR|XP\_007411100.1 MLAR|XP\_007411119.1 MLAR|XP\_007411779.1 MLAR|XP\_007413114.1 MLAR|XP\_007415189.1 MLAR|XP\_007416461.1 MLAR|XP\_007418917.1 MLAR|XP\_007419419.1 MLAR|XP\_007419667.1

>Orthogroup5344: MLAR|XP\_007405206.1 MLAR|XP\_007405400.1 MLAR|XP\_007407108.1 MLAR|XP\_007410870.1 MLAR|XP\_007413562.1 MLAR|XP\_007414967.1 MLAR|XP\_007416391.1 MLAR|XP\_007416770.1 MLAR|XP\_007417094.1 MLAR|XP\_007417250.1 MLAR|XP\_007418301.1 MLAR|XP\_007419015.1 MLAR|XP\_007419532.1

>Orthogroup5345: MLAR|XP\_007405010.1 MLAR|XP\_007405360.1 MLAR|XP\_007405383.1 MLAR|XP\_007406022.1 MLAR|XP\_007407778.1 MLAR|XP\_007409280.1 MLAR|XP\_007410129.1 MLAR|XP\_007410320.1 MLAR|XP\_007413318.1 MLAR|XP\_007413952.1 MLAR|XP\_007415503.1 MLAR|XP\_007416882.1 MLAR|XP\_007419420.1

>Orthogroup5346: MLAR|XP\_007405331.1 MLAR|XP\_007407109.1 MLAR|XP\_007407147.1 MLAR|XP\_007407313.1 MLAR|XP\_007409881.1 MLAR|XP\_007410645.1 MLAR|XP\_007411172.1 MLAR|XP\_007413076.1 MLAR|XP\_007417041.1 MLAR|XP\_007417119.1 MLAR|XP\_007418366.1 MLAR|XP\_007418741.1 MLAR|XP\_007419227.1

>Orthogroup5347: MLAR|XP\_007405783.1 MLAR|XP\_007407587.1 MLAR|XP\_007409345.1 MLAR|XP\_007409549.1 MLAR|XP\_007410459.1 MLAR|XP\_007412219.1 MLAR|XP\_007412297.1 MLAR|XP\_007413381.1 MLAR|XP\_007414578.1 MLAR|XP\_007414579.1 MLAR|XP\_007414934.1 MLAR|XP\_007416455.1 MLAR|XP\_007419300.1

>Orthogroup5348: MLAR|XP\_007406292.1 MLAR|XP\_007406523.1 MLAR|XP\_007406661.1 MLAR|XP\_007406824.1 MLAR|XP\_007407209.1 MLAR|XP\_007408138.1 MLAR|XP\_007411889.1 MLAR|XP\_007412089.1 MLAR|XP\_007412615.1 MLAR|XP\_007413771.1 MLAR|XP\_007414774.1 MLAR|XP\_007418621.1 MLAR|XP\_007419656.1

>Orthogroup5349: MLAR|XP\_007407708.1 MLAR|XP\_007408294.1 MLAR|XP\_007410612.1 MLAR|XP\_007412279.1 MLAR|XP\_007412797.1 MLAR|XP\_007413906.1 MLAR|XP\_007414366.1 MLAR|XP\_007414996.1 MLAR|XP\_007416225.1 MLAR|XP\_007417503.1 MLAR|XP\_007417521.1 MLAR|XP\_007418115.1 MLAR|XP\_007418364.1

>Orthogroup5350: MLAR|XP\_007407899.1 MLAR|XP\_007407997.1 MLAR|XP\_007412104.1 MLAR|XP\_007414178.1 MLAR|XP\_007414987.1 MLAR|XP\_007415464.1 MLAR|XP\_007417846.1 MLAR|XP\_007418282.1 MLAR|XP\_007418317.1 MLAR|XP\_007418489.1 MLAR|XP\_007418697.1 MLAR|XP\_007419202.1 MLAR|XP\_007419252.1

>Orthogroup5351: SSCL|APA06071.1 SSCL|APA06457.1 SSCL|APA08423.1 SSCL|APA08687.1 SSCL|APA09240.1 SSCL|APA09326.1 SSCL|APA10355.1 SSCL|APA10376.1 SSCL|APA10836.1 SSCL|APA13994.1 SSCL|APA14599.1 SSCL|APA14934.1 SSCL|APA15828.1

>Orthogroup5352: ANID|CBF69506.1 ANID|CBF81955.1 BCIN|XP\_001558528.1 CFRU|XP\_031887576.1 CGLO|KAF3811618.1 CHIG|XP\_018163200.1 CVIN|KAF4921470.1 CVYL|A03476 FGRM|XP\_011320617.1 FGRM|XP\_011325220.1 NCRA|XP\_957035.2 SSCL|APA14668.1

>Orthogroup5353: ANID|CBF69538.1 BCIN|XP\_024552086.1 CFRU|XP\_031887665.1 CGLO|KAF3807165.1 CHIG|XP\_018160988.1 CVIN|KAF4917566.1 CVYL|A03568 FGRM|XP\_011327358.1 MGRA|XP\_003848682.1 MLAR|XP\_007418557.1 MORY|QBZ63379.1 SSCL|APA12870.1

>Orthogroup5354: ANID|CBF69578.1 ANID|CBF70072.1 ANID|CBF78172.1 ANID|CBF89925.1 CFRU|XP\_031893306.1 CGLO|KAF3800793.1 CHIG|XP\_018150900.1 CVIN|KAF4922450.1 CVYL|A08758 FGRM|XP\_011323775.1 MORY|QBZ56536.1 NCRA|XP\_962334.2

>Orthogroup5355: ANID|CBF69580.1 BCIN|XP\_001549860.1 CFRU|XP\_031886980.1 CGLO|KAF3811360.1 CHIG|XP\_018160572.1 CVIN|KAF4921023.1 CVYL|A04549 FGRM|XP\_011326865.1 MGRA|XP\_003854081.1 MORY|QBZ62534.1 NCRA|XP\_961099.1 SSCL|APA08246.1

>Orthogroup5356: ANID|CBF69661.1 BCIN|XP\_024548036.1 BGRA|VDB96357.1 CFRU|XP\_031886498.1 CGLO|KAF3806220.1 CHIG|XP\_018162055.1 CVIN|KAF4931461.1 CVYL|A11809 FGRM|XP\_011324043.1 MORY|QBZ61536.1 NCRA|XP\_955775.2 SSCL|APA08299.1

>Orthogroup5357: ANID|CBF69663.1 BCIN|XP\_024553739.1 CFRU|XP\_031886413.1 CGLO|KAF3806358.1 CHIG|XP\_018162235.1 CVIN|KAF4923273.1 CVYL|A11947 FGRM|XP\_011324044.1 MGRA|XP\_003854267.1 MORY|QBZ61484.1 NCRA|XP\_955953.1 SSCL|APA15124.1

>Orthogroup5358: ANID|CBF69691.1 BCIN|XP\_024549662.1 CFRU|XP\_031885319.1 CGLO|KAF3798651.1 CHIG|XP\_018157510.1 CVIN|KAF4919448.1 CVYL|A09388 FGRM|XP\_011328135.1 MGRA|XP\_003849157.1 MORY|QBZ56579.1 NCRA|XP\_962287.2 SSCL|APA06182.1

>Orthogroup5359: ANID|CBF69711.1 ANID|CBF89083.1 BCIN|XP\_024547257.1 CFRU|XP\_031882104.1 CGLO|KAF3806121.1 CHIG|XP\_018164542.1 CVIN|KAF4911017.1 CVYL|A07389 FGRM|XP\_011326672.1 MORY|QBZ62382.1 NCRA|XP\_959979.2 SSCL|APA14213.1

>Orthogroup5360: ANID|CBF69715.1 BCIN|XP\_024552315.1 CFRU|XP\_031876718.1 CGLO|KAF3798673.1 CHIG|XP\_018157481.1 CVIN|KAF4918470.1 CVYL|A09412 FGRM|XP\_011317820.1 MGRA|XP\_003855460.1 MORY|QBZ58987.1 NCRA|XP\_956331.3 SSCL|APA13205.1

>Orthogroup5361: ANID|CBF69730.1 BCIN|XP\_024553861.1 BGRA|VDB93462.1 CFRU|XP\_031876920.1 CGLO|KAF3810717.1 CHIG|XP\_018162575.1 CVIN|KAF4908234.1 CVYL|A07236 FGRM|XP\_011323989.1 MORY|QBZ62840.1 NCRA|XP\_957335.2 SSCL|APA15217.1

>Orthogroup5362: ANID|CBF69736.1 BCIN|XP\_001551154.1 BGRA|VDB96378.1 CFRU|XP\_031886787.1 CGLO|KAF3801220.1 CHIG|XP\_018162601.1 CVIN|KAF4932107.1 CVYL|A07112 FGRM|XP\_011323995.1 MORY|QBZ59329.1 NCRA|XP\_957801.1 SSCL|APA15066.1

>Orthogroup5363: ANID|CBF69740.1 BCIN|XP\_001545267.1 CFRU|XP\_031878409.1 CGLO|KAF3810738.1 CHIG|XP\_018162482.1 CVIN|KAF4932088.1 CVYL|A07214 FGRM|XP\_011326986.1 MGRA|XP\_003854550.1 MORY|QBZ61452.1 NCRA|XP\_963095.1 SSCL|APA15068.1

>Orthogroup5364: ANID|CBF69748.1 BCIN|XP\_001551303.2 BGRA|VCU41253.1 CFRU|XP\_031877991.1 CHIG|XP\_018154633.1 CVIN|KAF4926484.1 CVYL|A13490 FGRM|XP\_011315977.1 MGRA|XP\_003856428.1 MORY|QBZ61021.1 NCRA|XP\_963540.2 SSCL|APA07577.1

>Orthogroup5365: ANID|CBF69754.1 BCIN|XP\_024549667.1 CFRU|XP\_031893280.1 CHIG|XP\_018150865.1 CVIN|KAF4922487.1 CVYL|A08772 FGRM|XP\_011328033.1 MGRA|XP\_003851337.1 MLAR|XP\_007409402.1 MORY|QBZ56855.1 NCRA|XP\_957026.3 SSCL|APA06172.1

>Orthogroup5366: ANID|CBF69758.1 BCIN|XP\_024553099.1 BGRA|VCU39733.1 CFRU|XP\_031881206.1 CVIN|KAF4916868.1 CVYL|A02062 FGRM|XP\_011325546.1 MGRA|XP\_003856662.1 MLAR|XP\_007418976.1 MORY|QBZ62052.1 NCRA|XP\_956279.2 SSCL|APA16315.1

>Orthogroup5367: ANID|CBF69759.1 BCIN|XP\_024553125.1 CFRU|XP\_031885364.1 CGLO|KAF3799543.1 CHIG|XP\_018154534.1 CVIN|KAF4931858.1 CVYL|A13403 FGRM|XP\_011324913.1 MLAR|XP\_007413295.1 MORY|QBZ62087.1 NCRA|XP\_011393583.1 SSCL|APA16353.1

>Orthogroup5368: ANID|CBF69771.1 BCIN|XP\_001554494.2 BGRA|VDB93036.1 CFRU|XP\_031878054.1 CGLO|KAF3799619.1 CHIG|XP\_018154622.1 CVYL|A13481 FGRM|XP\_011317258.1 MLAR|XP\_007412311.1 MORY|QBZ56639.1 NCRA|XP\_956955.1 SSCL|APA11836.1

>Orthogroup5369: ANID|CBF69780.1 BCIN|XP\_024548407.1 BGRA|VDB86367.1 CFRU|XP\_031881254.1 CGLO|KAF3802514.1 CHIG|XP\_018154819.1 CVIN|KAF4919014.1 CVYL|A02106 FGRM|XP\_011325578.1 MORY|QBZ53945.1 NCRA|XP\_011393642.1 SSCL|APA12290.1

>Orthogroup5370: ANID|CBF69782.1 BCIN|XP\_024548406.1 BGRA|VDB88708.1 CGLO|KAF3802525.1 CHIG|XP\_018154837.1 CVIN|KAF4918989.1 CVYL|A02118 FGRM|XP\_011316701.1 MGRA|XP\_003857019.1 MORY|QBZ53944.1 NCRA|XP\_963206.2 SSCL|APA12291.1

>Orthogroup5371: ANID|CBF69786.1 BCIN|XP\_001557621.2 BGRA|VCU39410.1 CFRU|XP\_031881294.1 CVIN|KAF4916887.1 CVYL|A02052 FGRM|XP\_011316330.1 MGRA|XP\_003847511.1 MLAR|XP\_007417742.1 MORY|QBZ54447.1 NCRA|XP\_963242.2 SSCL|APA12301.1

>Orthogroup5372: ANID|CBF69790.1 BCIN|XP\_024548234.1 BGRA|VDB93000.1 CFRU|XP\_031883515.1 CGLO|KAF3811896.1 CHIG|XP\_018155164.1 CVIN|KAF4920599.1 CVYL|A06165 FGRM|XP\_011317384.1 MLAR|XP\_007409752.1 NCRA|XP\_963650.2 SSCL|APA12724.1

>Orthogroup5373: ANID|CBF69815.1 BCIN|XP\_001551477.1 BGRA|VCU40172.1 CFRU|XP\_031885990.1 CGLO|KAF3806557.1 CHIG|XP\_018157592.1 CVIN|KAF4920476.1 CVYL|A09312 FGRM|XP\_011324815.1 MORY|QBZ58919.1 NCRA|XP\_962595.1 SSCL|APA06193.1

>Orthogroup5374: ANID|CBF69827.1 BCIN|XP\_001548611.2 CFRU|XP\_031883321.1 CHIG|XP\_018152067.1 CVIN|KAF4918175.1 CVYL|A13105 FGRM|XP\_011321305.1 MGRA|XP\_003856652.1 MORY|QBZ55315.1 MORY|QBZ61039.1 NCRA|XP\_963450.1 SSCL|APA11820.1

>Orthogroup5375: ANID|CBF69829.1 BCIN|XP\_001557224.1 BGRA|VDB83800.1 CFRU|XP\_031883434.1 CGLO|KAF3800606.1 CHIG|XP\_018152073.1 CVIN|KAF4918191.1 CVYL|A13111 FGRM|XP\_011321281.1 MORY|QBZ62106.1 NCRA|XP\_011393661.1 SSCL|APA12508.1

>Orthogroup5376: ANID|CBF69831.1 BCIN|XP\_024550821.1 BGRA|VDB93041.1 CFRU|XP\_031883318.1 CGLO|KAF3800612.1 CHIG|XP\_018152068.1 CVIN|KAF4918174.1 CVYL|A13106 FGRM|XP\_011321297.1 MGRA|XP\_003857219.1 MORY|QBZ61040.1 NCRA|XP\_963449.1

>Orthogroup5377: ANID|CBF69844.1 BCIN|XP\_001546162.1 CFRU|XP\_031885453.1 CGLO|KAF3799535.1 CHIG|XP\_018154525.1 CVIN|KAF4931833.1 CVYL|A13395 FGRM|XP\_011324917.1 MGRA|XP\_003857075.1 MORY|QBZ62069.1 NCRA|XP\_963512.1 SSCL|APA16279.1

>Orthogroup5378: ANID|CBF69863.1 BCIN|XP\_001560765.1 CFRU|XP\_031891080.1 CGLO|KAF3801604.1 CHIG|XP\_018151359.1 CVIN|KAF4922687.1 CVYL|A12532 FGRM|XP\_011320354.1 MGRA|XP\_003854432.1 MORY|QBZ59071.1 NCRA|XP\_011394924.1 SSCL|APA08020.1

>Orthogroup5379: ANID|CBF69877.1 BCIN|XP\_024553019.1 CFRU|XP\_031885477.1 CGLO|KAF3799487.1 CHIG|XP\_018154472.1 CVIN|KAF4931879.1 CVYL|A13349 FGRM|XP\_011321191.1 MGRA|XP\_003853420.1 MORY|QBZ57256.1 NCRA|XP\_955928.1 SSCL|APA16193.1

>Orthogroup5380: ANID|CBF69879.1 BCIN|XP\_001560773.1 BGRA|VDB90419.1 CFRU|XP\_031885692.1 CGLO|KAF3810106.1 CHIG|XP\_018157858.1 CVIN|KAF4910234.1 FGRM|XP\_011319970.1 MGRA|XP\_003849242.1 MORY|QBZ62180.1 NCRA|XP\_960343.1 SSCL|APA08030.1

>Orthogroup5381: ANID|CBF69902.1 BCIN|XP\_024552024.1 CFRU|XP\_031880599.1 CHIG|XP\_018160795.1 CVIN|KAF4926744.1 CVYL|A04746 FGRM|XP\_011324845.1 MGRA|XP\_003849032.1 MLAR|XP\_007413480.1 MORY|QBZ58768.1 NCRA|XP\_011394224.1 SSCL|APA12789.1

>Orthogroup5382: ANID|CBF69913.1 BCIN|XP\_001548924.1 BGRA|VDB83668.1 CFRU|XP\_031882526.1 CGLO|KAF3803931.1 CHIG|XP\_018151013.1 CVYL|A08874 MGRA|XP\_003849134.1 MGRA|XP\_003855529.1 MORY|QBZ58800.1 NCRA|XP\_961925.2 SSCL|APA05743.1

>Orthogroup5383: ANID|CBF69928.1 BCIN|XP\_024553383.1 CFRU|XP\_031876540.1 CGLO|KAF3811487.1 CHIG|XP\_018160740.1 CVIN|KAF4926791.1 CVYL|A04692 FGRM|XP\_011317783.1 MGRA|XP\_003848966.1 MLAR|XP\_007409141.1 NCRA|XP\_962656.1 SSCL|APA13724.1

>Orthogroup5384: ANID|CBF69932.1 BCIN|XP\_024553731.1 CFRU|XP\_031885210.1 CGLO|KAF3800348.1 CHIG|XP\_018162837.1 CVIN|KAF4914540.1 CVYL|A07497 FGRM|XP\_011326407.1 MLAR|XP\_007417760.1 MORY|QBZ63237.1 NCRA|XP\_958613.2 SSCL|APA15120.1

>Orthogroup5385: ANID|CBF69951.1 BCIN|XP\_024548012.1 BGRA|VCU39365.1 CFRU|XP\_031877149.1 CHIG|XP\_018150968.1 CVIN|KAF4925183.1 CVYL|A08826 FGRM|XP\_011323458.1 MLAR|XP\_007417710.1 MORY|QBZ56820.1 NCRA|XP\_962609.1 SSCL|APA08318.1

>Orthogroup5386: ANID|CBF69973.1 BCIN|XP\_001551294.2 BGRA|VCU39698.1 CFRU|XP\_031879479.1 CGLO|KAF3799637.1 CHIG|XP\_018154646.1 CVIN|KAF4926431.1 CVYL|A13500 FGRM|XP\_011324939.1 MORY|QBZ61036.1 NCRA|XP\_011393602.1 SSCL|APA07567.1

>Orthogroup5387: ANID|CBF69991.1 BCIN|XP\_024549998.1 BGRA|VDB83676.1 CFRU|XP\_031880536.1 CGLO|KAF3811572.1 CHIG|XP\_018160836.1 CVIN|KAF4898065.1 CVYL|A04784 FGRM|XP\_011327927.1 MORY|QBZ56618.1 NCRA|XP\_962004.1 SSCL|APA05335.1

>Orthogroup5388: ANID|CBF69996.1 BCIN|XP\_024550000.1 BGRA|VDB83679.1 CFRU|XP\_031880537.1 CGLO|KAF3811571.1 CHIG|XP\_018160835.1 CVIN|KAF4898064.1 CVYL|A04783 FGRM|XP\_011327928.1 MLAR|XP\_007407664.1 NCRA|XP\_011394134.1 SSCL|APA05334.1

>Orthogroup5389: ANID|CBF70006.1 BCIN|XP\_024549782.1 BGRA|VCU40130.1 CFRU|XP\_031887780.1 CHIG|XP\_018161080.1 CVIN|KAF4928663.1 FGRM|XP\_011327882.1 MGRA|XP\_003852620.1 MLAR|XP\_007406295.1 MORY|QBZ56333.1 NCRA|XP\_962506.3 SSCL|APA05731.1

>Orthogroup5390: ANID|CBF70010.1 BCIN|XP\_001546218.1 BGRA|VCU39338.1 CFRU|XP\_031876598.1 CHIG|XP\_018150781.1 CVIN|KAF4907257.1 CVYL|A12437 FGRM|XP\_011324478.1 MGRA|XP\_003852329.1 MORY|QBZ64279.1 NCRA|XP\_962597.1 SSCL|APA13787.1

>Orthogroup5391: ANID|CBF70012.1 BCIN|XP\_024552330.1 BGRA|VDB92732.1 CFRU|XP\_031893588.1 CGLO|KAF3800801.1 CHIG|XP\_018150907.1 CVIN|KAF4922507.1 CVYL|A08750 FGRM|XP\_011323780.1 MORY|QBZ56537.1 NCRA|XP\_961945.1 SSCL|APA13190.1

>Orthogroup5392: ANID|CBF70014.1 BCIN|XP\_001548504.2 BGRA|VCU40572.1 CFRU|XP\_031877167.1 CGLO|KAF3803986.1 CHIG|XP\_018150951.1 CVIN|KAF4925210.1 CVYL|A08813 FGRM|XP\_011323745.1 MORY|QBZ59196.1 NCRA|XP\_962357.3 SSCL|APA13843.1

>Orthogroup5393: ANID|CBF70025.1 BCIN|XP\_024550789.1 CFRU|XP\_031882475.1 CGLO|KAF3809410.1 CHIG|XP\_018156255.1 CVIN|KAF4916321.1 CVYL|A03076 FGRM|XP\_011319124.1 MGRA|XP\_003851535.1 MORY|QBZ56935.1 NCRA|XP\_955861.2 SSCL|APA11865.1

>Orthogroup5394: ANID|CBF70031.1 BCIN|XP\_024552690.1 CFRU|XP\_031883475.1 CGLO|KAF3810799.1 CHIG|XP\_018155063.1 CVIN|KAF4921786.1 CVYL|A02020 FGRM|XP\_011317536.1 MGRA|XP\_003851860.1 MORY|QBZ62384.1 NCRA|XP\_959457.1 SSCL|APA15510.1

>Orthogroup5395: ANID|CBF70041.1 BCIN|XP\_001548377.2 BGRA|VDB95205.1 CFRU|XP\_031877275.1 CGLO|KAF3802009.1 CHIG|XP\_018159445.1 CVIN|KAF4919776.1 CVYL|A02437 FGRM|XP\_011320529.1 MORY|QBZ61832.1 NCRA|XP\_960531.1 SSCL|APA06961.1

>Orthogroup5396: ANID|CBF70057.1 BCIN|XP\_024553681.1 BGRA|VDB96374.1 CFRU|XP\_031886792.1 CGLO|KAF3801225.1 CHIG|XP\_018162607.1 CVIN|KAF4932139.1 CVYL|A07105 FGRM|XP\_011324001.1 MORY|QBZ59324.1 NCRA|XP\_011393815.1 SSCL|APA15060.1

>Orthogroup5397: ANID|CBF70076.1 ANID|CBF74542.1 ANID|CBF82069.1 ANID|CBF85725.1 CFRU|XP\_031881500.1 CGLO|KAF3805789.1 CVIN|KAF4926621.1 CVYL|A06031 FGRM|XP\_011322326.1 FGRM|XP\_011322412.1 MGRA|XP\_003851110.1 SSCL|APA09753.1

>Orthogroup5398: ANID|CBF70105.1 BCIN|XP\_024549961.1 CFRU|XP\_031886493.1 CGLO|KAF3806225.1 CHIG|XP\_018162060.1 CVIN|KAF4931529.1 CVYL|A11815 FGRM|XP\_011324037.1 MLAR|XP\_007403903.1 MORY|QBZ61545.1 NCRA|XP\_956598.1 SSCL|APA05300.1

>Orthogroup5399: ANID|CBF70147.1 BCIN|XP\_001550747.2 CFRU|XP\_031892969.1 CGLO|KAF3808030.1 CHIG|XP\_018152351.1 CVIN|KAF4909504.1 CVYL|A09454 FGRM|XP\_011317747.1 MGRA|XP\_003854399.1 MORY|QBZ54237.1 NCRA|XP\_956741.1 SSCL|APA15291.1

>Orthogroup5400: ANID|CBF70166.1 BCIN|XP\_024553903.1 BGRA|VDB96366.1 CFRU|XP\_031885105.1 CGLO|KAF3807748.1 CHIG|XP\_018163018.1 CVIN|KAF4920537.1 CVYL|A00850 FGRM|XP\_011326189.1 MGRA|XP\_003853843.1 NCRA|XP\_959042.1 SSCL|APA15188.1

>Orthogroup5401: ANID|CBF70179.1 ANID|CBF81866.1 BCIN|XP\_001559169.2 CFRU|XP\_031883709.1 CGLO|KAF3810862.1 CHIG|XP\_018154952.1 CVIN|KAF4897557.1 CVYL|A02284 FGRM|XP\_011323136.1 MORY|QBZ65491.1 NCRA|XP\_963607.2 SSCL|APA15768.1

>Orthogroup5402: ANID|CBF70194.1 BGRA|VDB93921.1 CFRU|XP\_031881403.1 CGLO|KAF3805779.1 CHIG|XP\_018163681.1 CVIN|KAF4926576.1 CVYL|A06040 FGRM|XP\_011324487.1 MGRA|XP\_003853172.1 MLAR|XP\_007418702.1 MORY|QBZ60803.1 NCRA|XP\_961597.2

>Orthogroup5403: ANID|CBF70224.1 BCIN|XP\_001551812.1 BGRA|VCU40008.1 CFRU|XP\_031892678.1 CGLO|KAF3809126.1 CHIG|XP\_018155968.1 CVIN|KAF4922083.1 CVYL|A01309 FGRM|XP\_011319194.1 MORY|QBZ61106.1 NCRA|XP\_960784.1 SSCL|APA11948.1

>Orthogroup5404: ANID|CBF70257.1 BCIN|XP\_001551171.2 CFRU|XP\_031876930.1 CGLO|KAF3810696.1 CHIG|XP\_018162462.1 CVIN|KAF4909760.1 CVYL|A07261 FGRM|XP\_011326998.1 MGRA|XP\_003854314.1 MORY|QBZ63836.1 NCRA|XP\_011393830.1 SSCL|APA15081.1

>Orthogroup5405: ANID|CBF70298.1 BCIN|XP\_001555497.1 CFRU|XP\_031891280.1 CGLO|KAF3804707.1 CHIG|XP\_018161778.1 CVIN|KAF4923357.1 CVYL|A05416 FGRM|XP\_011321512.1 MGRA|XP\_003854337.1 MORY|QBZ59662.1 NCRA|XP\_963112.2 SSCL|APA08198.1

>Orthogroup5406: ANID|CBF70303.1 BCIN|XP\_001553333.1 BGRA|VDB85762.1 CFRU|XP\_031877194.1 CGLO|KAF3806437.1 CHIG|XP\_018162325.1 CVIN|KAF4918034.1 CVYL|A12034 FGRM|XP\_011323954.1 MORY|QBZ61414.1 NCRA|XP\_962811.1 SSCL|APA15170.1

>Orthogroup5407: ANID|CBF70317.1 BCIN|XP\_024546599.1 CFRU|XP\_031890787.1 CGLO|KAF3801655.1 CHIG|XP\_018151426.1 CVIN|KAF4921236.1 CVYL|A12481 FGRM|XP\_011328512.1 MGRA|XP\_003853226.1 MORY|QBZ56067.1 NCRA|XP\_960329.2 SSCL|APA06427.1

>Orthogroup5408: ANID|CBF70319.1 BCIN|XP\_001545672.1 BGRA|VCU40142.1 CFRU|XP\_031885305.1 CGLO|KAF3806541.1 CHIG|XP\_018157581.1 CVIN|KAF4921341.1 CVYL|A09328 FGRM|XP\_011327988.1 MORY|QBZ56277.1 NCRA|XP\_961997.1 SSCL|APA13777.1

>Orthogroup5409: ANID|CBF70377.1 BCIN|XP\_024546483.1 BGRA|VDB95184.1 CFRU|XP\_031878104.1 CGLO|KAF3801868.1 CHIG|XP\_018159342.1 CVIN|KAF4901944.1 CVYL|A02308 MGRA|XP\_003854675.1 MORY|QBZ62868.1 NCRA|XP\_011394944.1 SSCL|APA06761.1

>Orthogroup5410: ANID|CBF70393.1 BCIN|XP\_001553822.1 CFRU|XP\_031892820.1 CGLO|KAF3812244.1 CHIG|XP\_018153463.1 CVIN|KAF4919896.1 CVYL|A00141 FGRM|XP\_011316057.1 MLAR|XP\_007404347.1 MORY|QBZ55255.1 NCRA|XP\_965164.1 SSCL|APA05907.1

>Orthogroup5411: ANID|CBF70395.1 BCIN|XP\_024547025.1 BGRA|VDB93634.1 CFRU|XP\_031892645.1 CGLO|KAF3812263.1 CHIG|XP\_018153486.1 CVIN|KAF4919907.1 CVYL|A00122 FGRM|XP\_011324165.1 MGRA|XP\_003857139.1 MORY|QBZ55275.1 NCRA|XP\_965172.1

>Orthogroup5412: ANID|CBF70407.1 ANID|CBF82306.1 ANID|CBF89565.1 BCIN|XP\_024546663.1 BCIN|XP\_024549356.1 MGRA|XP\_003847676.1 MGRA|XP\_003848052.1 MGRA|XP\_003851156.1 MGRA|XP\_003856705.1 MORY|QBZ63551.1 NCRA|XP\_964221.2 SSCL|APA06505.1

>Orthogroup5413: ANID|CBF70409.1 BCIN|XP\_001546841.1 BCIN|XP\_001555119.1 CFRU|XP\_031881272.1 CGLO|KAF3802542.1 CHIG|XP\_018154843.1 CVIN|KAF4921854.1 CVYL|A02136 FGRM|XP\_011316482.1 FGRM|XP\_011328011.1 MORY|QBZ60530.1 SSCL|APA10446.1

>Orthogroup5414: ANID|CBF70412.1 BCIN|XP\_024549242.1 CFRU|XP\_031879242.1 CGLO|KAF3807037.1 CHIG|XP\_018159707.1 CVIN|KAF4920283.1 CVYL|A06331 FGRM|XP\_011320476.1 MGRA|XP\_003853647.1 MORY|QBZ61827.1 NCRA|XP\_960541.1 SSCL|APA09023.1

>Orthogroup5415: ANID|CBF70468.1 BCIN|XP\_001555494.1 CFRU|XP\_031891287.1 CGLO|KAF3804709.1 CHIG|XP\_018161780.1 CVIN|KAF4923359.1 CVYL|A05414 FGRM|XP\_011321510.1 MGRA|XP\_003853916.1 MORY|QBZ59664.1 NCRA|XP\_963114.1 SSCL|APA08195.1

>Orthogroup5416: ANID|CBF70476.1 BGRA|VDB85755.1 CFRU|XP\_031877213.1 CGLO|KAF3806432.1 CHIG|XP\_018162318.1 CVIN|KAF4918046.1 CVYL|A12028 FGRM|XP\_011324135.1 MGRA|XP\_003854789.1 MLAR|XP\_007403497.1 MORY|QBZ61381.1 SSCL|APA07754.1

>Orthogroup5417: ANID|CBF70484.1 BCIN|XP\_024547885.1 CFRU|XP\_031891282.1 CGLO|KAF3804712.1 CHIG|XP\_018161783.1 CVIN|KAF4923363.1 CVYL|A05410 FGRM|XP\_011321496.1 MGRA|XP\_003853933.1 MORY|QBZ59671.1 NCRA|XP\_963105.2 SSCL|APA08207.1

>Orthogroup5418: ANID|CBF70488.1 ANID|CBF74302.1 ANID|CBF74751.1 ANID|CBF77827.1 ANID|CBF80794.1 ANID|CBF83849.1 ANID|CBF84336.1 ANID|CBF88734.1 ANID|CBF89682.1 CHIG|XP\_018158441.1 CHIG|XP\_018159853.1 SSCL|APA08605.1

>Orthogroup5419: ANID|CBF70581.1 BCIN|XP\_001559809.2 CFRU|XP\_031890441.1 CGLO|KAF3805295.1 CHIG|XP\_018158612.1 CVIN|KAF4926026.1 CVYL|A13947 FGRM|XP\_011316451.1 MGRA|XP\_003854365.1 MORY|QBZ56100.1 NCRA|XP\_965418.1 SSCL|APA09686.1

>Orthogroup5420: ANID|CBF70601.1 BCIN|XP\_024547975.1 CFRU|XP\_031885516.1 CGLO|KAF3806519.1 CHIG|XP\_018157556.1 CVIN|KAF4921332.1 CVYL|A09351 FGRM|XP\_011324811.1 MORY|QBZ58924.1 MORY|QBZ62213.1 NCRA|XP\_962379.3 SSCL|APA08364.1

>Orthogroup5421: ANID|CBF70607.1 BCIN|XP\_001545551.1 BGRA|VDB83688.1 CFRU|XP\_031887549.1 CGLO|KAF3811656.1 CVIN|KAF4920155.1 CVYL|A03515 FGRM|XP\_011323594.1 MGRA|XP\_003852590.1 MORY|QBZ64543.1 NCRA|XP\_962314.1 SSCL|APA13616.1

>Orthogroup5422: ANID|CBF70618.1 BCIN|XP\_024553235.1 BGRA|VDB83707.1 CFRU|XP\_031887691.1 CHIG|XP\_018160927.1 CVIN|KAF4920167.1 CVYL|A03543 FGRM|XP\_011324872.1 MLAR|XP\_007415339.1 MORY|QBZ56312.1 NCRA|XP\_011394393.1 SSCL|APA13614.1

>Orthogroup5423: ANID|CBF70670.1 BCIN|XP\_001551446.1 CFRU|XP\_031880499.1 CGLO|KAF3811552.1 CHIG|XP\_018160812.1 CVIN|KAF4926784.1 CVYL|A04765 FGRM|XP\_011324793.1 MGRA|XP\_003852224.1 MORY|QBZ57219.1 NCRA|XP\_962065.2 SSCL|APA06174.1

>Orthogroup5424: ANID|CBF70675.1 BCIN|XP\_024553548.1 CFRU|XP\_031876548.1 CGLO|KAF3811494.1 CHIG|XP\_018160747.1 CVIN|KAF4926754.1 CVYL|A04699 FGRM|XP\_011317790.1 MGRA|XP\_003853122.1 MORY|QBZ56318.1 NCRA|XP\_011394388.1 SSCL|APA13878.1

>Orthogroup5425: ANID|CBF70720.1 ANID|CBF87375.1 BCIN|XP\_001558345.1 CFRU|XP\_031890001.1 CHIG|XP\_018151265.1 CVIN|KAF4896321.1 CVYL|A09183 FGRM|XP\_011316629.1 FGRM|XP\_011318581.1 MORY|QBZ61677.1 SSCL|APA07901.1 SSCL|APA13723.1

>Orthogroup5426: ANID|CBF70724.1 ANID|CBF78277.1 CFRU|XP\_031880325.1 CGLO|KAF3808969.1 CHIG|XP\_018155823.1 CVIN|KAF4920859.1 CVYL|A01379 FGRM|XP\_011319204.1 MLAR|XP\_007404355.1 MORY|QBZ53661.1 NCRA|XP\_956090.3 NCRA|XP\_961721.3

>Orthogroup5427: ANID|CBF70755.1 BCIN|XP\_024548278.1 CFRU|XP\_031887442.1 CGLO|KAF3809187.1 CHIG|XP\_018156013.1 CVIN|KAF4925304.1 CVYL|A01375 FGRM|XP\_011319064.1 MGRA|XP\_003851851.1 MGRA|XP\_003855027.1 MORY|QBZ62560.1 NCRA|XP\_960685.2

>Orthogroup5428: ANID|CBF70772.1 BCIN|XP\_001550760.1 BGRA|VDB93320.1 CFRU|XP\_031883002.1 CGLO|KAF3808189.1 CHIG|XP\_018163219.1 CVIN|KAF4924332.1 FGRM|XP\_011326169.1 MGRA|XP\_003852225.1 MORY|QBZ58231.1 NCRA|XP\_956093.1 SSCL|APA15283.1

>Orthogroup5429: ANID|CBF70793.1 BCIN|XP\_001545643.1 BGRA|VDB93590.1 CFRU|XP\_031886613.1 CHIG|XP\_018162616.1 CVIN|KAF4932124.1 CVYL|A07096 FGRM|XP\_011326640.1 MLAR|XP\_007413877.1 MORY|QBZ62828.1 NCRA|XP\_011393750.1 SSCL|APA15094.1

>Orthogroup5430: ANID|CBF70798.1 BCIN|XP\_024553930.1 CFRU|XP\_031883168.1 CGLO|KAF3808190.1 CHIG|XP\_018163220.1 CVIN|KAF4924329.1 CVYL|A00541 FGRM|XP\_011326134.1 MGRA|XP\_003853273.1 MORY|QBZ57882.1 NCRA|XP\_011393959.1 SSCL|APA15304.1

>Orthogroup5431: ANID|CBF70835.1 BCIN|XP\_024547832.1 BGRA|VCU38799.1 CFRU|XP\_031877808.1 CHIG|XP\_018162392.1 CVIN|KAF4911639.1 FGRM|XP\_011318550.1 MGRA|XP\_003850095.1 MLAR|XP\_007416798.1 MORY|QBZ62833.1 NCRA|XP\_011394042.1 SSCL|APA08142.1

>Orthogroup5432: ANID|CBF70848.1 BCIN|XP\_024554011.1 BGRA|VDB84425.1 CFRU|XP\_031877772.1 CGLO|KAF3810665.1 CHIG|XP\_018162421.1 CVIN|KAF4916956.1 FGRM|XP\_011318431.1 MGRA|XP\_003849909.1 MORY|QBZ55698.1 NCRA|XP\_962920.1 SSCL|APA15372.1

>Orthogroup5433: ANID|CBF70861.1 BCIN|XP\_001550837.1 CFRU|XP\_031877761.1 CGLO|KAF3810668.1 CHIG|XP\_018162424.1 CVIN|KAF4916951.1 CVYL|A07293 FGRM|XP\_011318435.1 MGRA|XP\_003849906.1 MORY|QBZ55705.1 NCRA|XP\_962925.1 SSCL|APA15336.1

>Orthogroup5434: ANID|CBF70876.1 BCIN|XP\_024553977.1 CFRU|XP\_031880707.1 CGLO|KAF3811203.1 CHIG|XP\_018160446.1 CVIN|KAF4931175.1 CVYL|A04369 FGRM|XP\_011327077.1 MGRA|XP\_003850501.1 MLAR|XP\_007410251.1 NCRA|XP\_961147.1 SSCL|APA15411.1

>Orthogroup5435: ANID|CBF70886.1 BCIN|XP\_024553981.1 BGRA|VDB84358.1 CFRU|XP\_031886883.1 CHIG|XP\_018160457.1 CVIN|KAF4931182.1 CVYL|A04432 FGRM|XP\_011327080.1 MLAR|XP\_007414723.1 MORY|QBZ63417.1 NCRA|XP\_011394480.1 SSCL|APA15416.1

>Orthogroup5436: ANID|CBF70897.1 BCIN|XP\_001545093.1 BGRA|VDB84397.1 CFRU|XP\_031880743.1 CGLO|KAF3811197.1 CHIG|XP\_018160452.1 CVIN|KAF4931246.1 CVYL|A04361 FGRM|XP\_011327069.1 MORY|QBZ56893.1 NCRA|XP\_961557.1 SSCL|APA15214.1

>Orthogroup5437: ANID|CBF70914.1 BCIN|XP\_024554031.1 BGRA|VDB84263.1 CFRU|XP\_031880735.1 CGLO|KAF3811168.1 CHIG|XP\_018159488.1 CVIN|KAF4931230.1 CVYL|A04329 FGRM|XP\_011323727.1 MGRA|XP\_003849073.1 NCRA|XP\_955992.2 SSCL|APA15344.1

>Orthogroup5438: ANID|CBF70927.1 BCIN|XP\_001560658.1 BGRA|VDB86240.1 CFRU|XP\_031877753.1 CGLO|KAF3810652.1 CHIG|XP\_018162405.1 FGRM|XP\_011318538.1 MGRA|XP\_003850421.1 MLAR|XP\_007414782.1 MORY|QBZ55726.1 NCRA|XP\_963004.1 SSCL|APA07953.1

>Orthogroup5439: ANID|CBF70929.1 BCIN|XP\_001560818.2 CFRU|XP\_031877797.1 CGLO|KAF3796951.1 CHIG|XP\_018162399.1 CVIN|KAF4911626.1 CVYL|A07313 FGRM|XP\_011318544.1 MGRA|XP\_003850026.1 MORY|QBZ55732.1 NCRA|XP\_956661.1 SSCL|APA08052.1

>Orthogroup5440: ANID|CBF70935.1 BCIN|XP\_001549520.2 CFRU|XP\_031882924.1 CGLO|KAF3803402.1 CHIG|XP\_018163930.1 CVIN|KAF4918443.1 CVYL|A14332 FGRM|XP\_011325413.1 MGRA|XP\_003857048.1 MORY|QBZ61464.1 NCRA|XP\_964066.1 SSCL|APA13571.1

>Orthogroup5441: ANID|CBF70941.1 BCIN|XP\_001555033.1 BGRA|VDB86159.1 CFRU|XP\_031886333.1 CGLO|KAF3806336.1 CHIG|XP\_018162128.1 CVIN|KAF4908678.1 CVYL|A11925 FGRM|XP\_011326617.1 MORY|QBZ61491.1 NCRA|XP\_962993.2 SSCL|APA07799.1

>Orthogroup5442: ANID|CBF70983.1 BCIN|XP\_024547590.1 CFRU|XP\_031886523.1 CGLO|KAF3806308.1 CHIG|XP\_018162141.1 CVIN|KAF4923938.1 CVYL|A11899 FGRM|XP\_011326605.1 MLAR|XP\_007403750.1 MORY|QBZ61525.1 NCRA|XP\_957305.1 SSCL|APA07818.1

>Orthogroup5443: ANID|CBF71002.1 BCIN|XP\_024547815.1 CFRU|XP\_031888870.1 CGLO|KAF3799230.1 CHIG|XP\_018159843.1 CVIN|KAF4909301.1 CVYL|A10122 FGRM|XP\_011328825.1 MLAR|XP\_007413502.1 MORY|QBZ59185.1 NCRA|XP\_958526.1 SSCL|APA08117.1

>Orthogroup5444: ANID|CBF71009.1 BCIN|XP\_024548048.1 BGRA|VDB86190.1 CFRU|XP\_031886856.1 CHIG|XP\_018160640.1 CVYL|A04596 FGRM|XP\_011327164.1 MGRA|XP\_003849959.1 MLAR|XP\_007415061.1 MORY|QBZ54280.1 NCRA|XP\_961212.1 SSCL|APA08293.1

>Orthogroup5445: ANID|CBF71019.1 BCIN|XP\_001560650.1 BGRA|VCU38762.1 CFRU|XP\_031877755.1 CGLO|KAF3810651.1 CHIG|XP\_018162404.1 CVIN|KAF4911631.1 FGRM|XP\_011318539.1 MLAR|XP\_007416408.1 MORY|QBZ55727.1 NCRA|XP\_963005.1 SSCL|APA07947.1

>Orthogroup5446: ANID|CBF71045.1 BCIN|XP\_024547894.1 BGRA|VDB84388.1 CFRU|XP\_031886450.1 CGLO|KAF3806299.1 CVIN|KAF4923981.1 CVYL|A11892 FGRM|XP\_011326346.1 MLAR|XP\_007418121.1 MORY|QBZ59300.1 NCRA|XP\_011393928.1 SSCL|APA08214.1

>Orthogroup5447: ANID|CBF71071.1 BCIN|XP\_024547933.1 BGRA|VDB86202.1 CFRU|XP\_031882185.1 CGLO|KAF3804425.1 CHIG|XP\_018160247.1 CVIN|KAF4930884.1 CVYL|A04130 FGRM|XP\_011326884.1 MORY|QBZ59055.1 NCRA|XP\_961287.2 SSCL|APA08264.1

>Orthogroup5448: ANID|CBF71073.1 BCIN|XP\_024553782.1 CFRU|XP\_031880684.1 CGLO|KAF3811183.1 CHIG|XP\_018159506.1 CVIN|KAF4931221.1 CVYL|A04346 FGRM|XP\_011323735.1 MGRA|XP\_003855089.1 MORY|QBZ64679.1 NCRA|XP\_960890.1 SSCL|APA15158.1

>Orthogroup5449: ANID|CBF71089.1 BCIN|XP\_001559080.1 CFRU|XP\_031890525.1 CGLO|KAF3804842.1 CHIG|XP\_018164342.1 CVIN|KAF4929737.1 CVYL|A12230 FGRM|XP\_011316206.1 MGRA|XP\_003848928.1 MORY|QBZ62752.1 NCRA|XP\_011393381.1 SSCL|APA09068.1

>Orthogroup5450: ANID|CBF71090.1 BCIN|XP\_001549175.1 BGRA|VDB85964.1 CFRU|XP\_031887129.1 CGLO|KAF3811363.1 CHIG|XP\_018160567.1 CVIN|KAF4921020.1 CVYL|A04553 FGRM|XP\_011326870.1 MORY|QBZ62513.1 NCRA|XP\_961495.1 SSCL|APA15399.1

>Orthogroup5451: ANID|CBF71098.1 BCIN|XP\_024553793.1 BGRA|VDB85758.1 CFRU|XP\_031880750.1 CHIG|XP\_018159496.1 CVIN|KAF4931287.1 CVYL|A04335 FGRM|XP\_011323700.1 MGRA|XP\_003848947.1 MORY|QBZ64662.1 NCRA|XP\_961307.1 SSCL|APA15174.1

>Orthogroup5452: ANID|CBF71119.1 BCIN|XP\_001551749.1 BGRA|VDB87749.1 CFRU|XP\_031881710.1 CGLO|KAF3805362.1 CHIG|XP\_018156745.1 CVIN|KAF4907228.1 CVYL|A11011 FGRM|XP\_011315759.1 MORY|QBZ65403.1 NCRA|XP\_958311.1 SSCL|APA12002.1

>Orthogroup5453: ANID|CBF71125.1 BCIN|XP\_024550875.1 CFRU|XP\_031892761.1 CHIG|XP\_018157320.1 CVIN|KAF4920825.1 CVYL|A10501 FGRM|XP\_011319940.1 FGRM|XP\_011324248.1 MGRA|XP\_003853583.1 MORY|QBZ66115.1 NCRA|XP\_965763.1 SSCL|APA11803.1

>Orthogroup5454: ANID|CBF71161.1 BCIN|XP\_001558099.2 BGRA|VDB93389.1 CFRU|XP\_031891331.1 CGLO|KAF3797400.1 CHIG|XP\_018157359.1 CVIN|KAF4929395.1 CVYL|A10278 FGRM|XP\_011328748.1 MGRA|XP\_003848562.1 MLAR|XP\_007417904.1 SSCL|APA12952.1

>Orthogroup5455: ANID|CBF71178.1 BCIN|XP\_001551665.1 CFRU|XP\_031881716.1 CGLO|KAF3805368.1 CHIG|XP\_018156740.1 CVIN|KAF4907236.1 CVYL|A11017 FGRM|XP\_011315777.1 MGRA|XP\_003852046.1 MORY|QBZ65514.1 NCRA|XP\_965185.1 SSCL|APA11588.1

>Orthogroup5456: ANID|CBF71220.1 BCIN|XP\_024551221.1 CFRU|XP\_031892052.1 CGLO|KAF3805642.1 CHIG|XP\_018164685.1 CVIN|KAF4925681.1 CVYL|A07557 FGRM|XP\_011318636.1 MLAR|XP\_007406807.1 MLAR|XP\_007412895.1 MLAR|XP\_007412896.1 SSCL|APA10122.1

>Orthogroup5457: ANID|CBF71230.1 BCIN|XP\_001559027.1 BGRA|VDB90970.1 CFRU|XP\_031877841.1 CGLO|KAF3806630.1 CHIG|XP\_018164231.1 CVIN|KAF4918918.1 CVYL|A12342 FGRM|XP\_011326741.1 MORY|QBZ62980.1 NCRA|XP\_964042.1 SSCL|APA09095.1

>Orthogroup5458: ANID|CBF71236.1 BCIN|XP\_024549426.1 CFRU|XP\_031890677.1 CGLO|KAF3804840.1 CHIG|XP\_018164340.1 CVIN|KAF4929739.1 FGRM|XP\_011316203.1 MGRA|XP\_003852278.1 MGRA|XP\_003852395.1 MORY|QBZ62766.1 NCRA|XP\_964406.3 SSCL|APA09252.1

>Orthogroup5459: ANID|CBF71254.1 BCIN|XP\_001547234.1 BGRA|VCU38930.1 CFRU|XP\_031887745.1 CGLO|KAF3811608.1 CHIG|XP\_018160881.1 CVIN|KAF4921444.1 CVYL|A03467 FGRM|XP\_011324867.1 MORY|QBZ58882.1 NCRA|XP\_961906.2 SSCL|APA07373.1

>Orthogroup5460: ANID|CBF71268.1 BCIN|XP\_024549435.1 CFRU|XP\_031890667.1 CGLO|KAF3804918.1 CHIG|XP\_018164415.1 CVIN|KAF4919416.1 CVYL|A12139 FGRM|XP\_011317142.1 MGRA|XP\_003857394.1 MORY|QBZ62795.1 NCRA|XP\_011392998.1 SSCL|APA09232.1

>Orthogroup5461: ANID|CBF71291.1 BCIN|XP\_024553374.1 BGRA|VDB83659.1 CFRU|XP\_031880531.1 CGLO|KAF3811521.1 CHIG|XP\_018160778.1 CVIN|KAF4926736.1 CVYL|A04731 FGRM|XP\_011327900.1 MORY|QBZ58853.1 NCRA|XP\_955826.3 SSCL|APA13711.1

>Orthogroup5462: ANID|CBF71302.1 BCIN|XP\_024552002.1 CFRU|XP\_031877464.1 CGLO|KAF3798428.1 CHIG|XP\_018161248.1 CVIN|KAF4919997.1 CVYL|A11209 FGRM|XP\_011317835.1 MLAR|XP\_007406463.1 MORY|QBZ58353.1 NCRA|XP\_001728077.1 SSCL|APA12767.1

>Orthogroup5463: ANID|CBF71306.1 BCIN|XP\_024551998.1 BGRA|VDB92791.1 CFRU|XP\_031878818.1 CGLO|KAF3802600.1 CVYL|A01887 FGRM|XP\_011321445.1 MGRA|XP\_003849137.1 MLAR|XP\_007413186.1 MORY|QBZ65253.1 NCRA|XP\_958724.1 SSCL|APA12658.1

>Orthogroup5464: ANID|CBF71308.1 BCIN|XP\_024552007.1 BGRA|VDB92738.1 CFRU|XP\_031880959.1 CGLO|KAF3809891.1 CHIG|XP\_018161478.1 CVIN|KAF4930634.1 CVYL|A01727 FGRM|XP\_011321405.1 MORY|QBZ65226.1 NCRA|XP\_962967.2 SSCL|APA12768.1

>Orthogroup5465: ANID|CBF71310.1 BCIN|XP\_001557909.1 BGRA|VDB92737.1 CFRU|XP\_031881129.1 CGLO|KAF3809890.1 CHIG|XP\_018161477.1 CVIN|KAF4930727.1 CVYL|A01728 FGRM|XP\_011321406.1 MORY|QBZ65227.1 NCRA|XP\_962968.1 SSCL|APA12769.1

>Orthogroup5466: ANID|CBF71319.1 BCIN|XP\_024548067.1 BGRA|VDB93015.1 CFRU|XP\_031881731.1 CGLO|KAF3800656.1 CHIG|XP\_018152023.1 CVIN|KAF4922020.1 CVYL|A13060 FGRM|XP\_011321274.1 MORY|QBZ62126.1 NCRA|XP\_956245.3 SSCL|APA12766.1

>Orthogroup5467: ANID|CBF71335.1 BCIN|XP\_001545762.1 CFRU|XP\_031885476.1 CGLO|KAF3799484.1 CHIG|XP\_018154469.1 CVIN|KAF4931884.1 CVYL|A13346 FGRM|XP\_011321195.1 MGRA|XP\_003857216.1 MORY|QBZ57262.1 NCRA|XP\_963535.1 SSCL|APA16199.1

>Orthogroup5468: ANID|CBF71343.1 BCIN|XP\_024550013.1 BGRA|VDB83689.1 CFRU|XP\_031887712.1 CGLO|KAF3811651.1 CHIG|XP\_018160962.1 CVIN|KAF4921439.1 CVYL|A03511 FGRM|XP\_011323600.1 MORY|QBZ57183.1 NCRA|XP\_011394252.1 SSCL|APA05345.1

>Orthogroup5469: ANID|CBF71350.1 BCIN|XP\_001548507.1 CFRU|XP\_031877134.1 CGLO|KAF3803988.1 CHIG|XP\_018150954.1 CVIN|KAF4925208.1 FGRM|XP\_011323746.1 MGRA|XP\_003852564.1 MLAR|XP\_007406658.1 MORY|QBZ59115.1 NCRA|XP\_962359.3 SSCL|APA13844.1

>Orthogroup5470: ANID|CBF71367.1 BCIN|XP\_024549666.1 BGRA|VDB86299.1 CFRU|XP\_031880592.1 CHIG|XP\_018160810.1 CVIN|KAF4926786.1 CVYL|A04762 FGRM|XP\_011324796.1 MORY|QBZ57223.1 MORY|QBZ57224.1 NCRA|XP\_962063.3 SSCL|APA06176.1

>Orthogroup5471: ANID|CBF71390.1 BCIN|XP\_001553115.1 BGRA|VCU41394.1 CFRU|XP\_031884493.1 CGLO|KAF3799086.1 CHIG|XP\_018153073.1 CVIN|KAF4918239.1 CVYL|A11444 FGRM|XP\_011318195.1 MGRA|XP\_003847962.1 MLAR|XP\_007405877.1 SSCL|APA16096.1

>Orthogroup5472: ANID|CBF71533.1 BCIN|XP\_001552532.2 BGRA|VDB94905.1 CFRU|XP\_031886843.1 CGLO|KAF3811352.1 CHIG|XP\_018160582.1 CVIN|KAF4921042.1 CVYL|A04540 FGRM|XP\_011326862.1 MORY|QBZ56993.1 NCRA|XP\_961094.2 SSCL|APA10795.1

>Orthogroup5473: ANID|CBF71537.1 BCIN|XP\_001552518.1 BGRA|VDB94882.1 CFRU|XP\_031882122.1 CHIG|XP\_018160221.1 CVIN|KAF4930894.1 CVYL|A04103 FGRM|XP\_011324494.1 MGRA|XP\_003855353.1 MORY|QBZ62537.1 NCRA|XP\_960667.3 SSCL|APA10787.1

>Orthogroup5474: ANID|CBF71549.1 BCIN|XP\_024552668.1 BCIN|XP\_024553578.1 CFRU|XP\_031884554.1 CGLO|KAF3810320.1 CHIG|XP\_018154192.1 CHIG|XP\_018158327.1 CVIN|KAF4890186.1 CVYL|A05782 FGRM|XP\_011322295.1 SSCL|APA08435.1 SSCL|APA15549.1

>Orthogroup5475: ANID|CBF71582.1 BCIN|XP\_024546215.1 CFRU|XP\_031875548.1 CFRU|XP\_031886074.1 CGLO|KAF3805497.1 CVIN|KAF4913928.1 CVIN|KAF4917619.1 CVIN|KAF4917647.1 CVYL|A05622 CVYL|A11593 FGRM|XP\_011320771.1 MORY|QBZ65378.1

>Orthogroup5476: ANID|CBF71597.1 BCIN|XP\_001552519.1 CFRU|XP\_031882194.1 CGLO|KAF3804404.1 CHIG|XP\_018160222.1 CVIN|KAF4930893.1 CVYL|A04102 FGRM|XP\_011324493.1 MGRA|XP\_003855312.1 MORY|QBZ62536.1 NCRA|XP\_960666.3 SSCL|APA10788.1

>Orthogroup5477: ANID|CBF71607.1 BCIN|XP\_001559420.1 CFRU|XP\_031886904.1 CGLO|KAF3811289.1 CHIG|XP\_018160514.1 CVIN|KAF4927218.1 CVYL|A04443 FGRM|XP\_011324780.1 MGRA|XP\_003856530.1 MORY|QBZ58020.1 NCRA|XP\_958054.1 SSCL|APA07670.1

>Orthogroup5478: ANID|CBF71613.1 ANID|CBF76621.1 BCIN|XP\_024550680.1 BCIN|XP\_024552022.1 CFRU|XP\_031881605.1 CGLO|KAF3805389.1 CHIG|XP\_018156721.1 CVIN|KAF4917769.1 CVYL|A11035 MORY|QBZ53608.1 SSCL|APA11502.1 SSCL|APA12787.1

>Orthogroup5479: ANID|CBF71665.1 ANID|CBF86189.1 BCIN|XP\_024546378.1 BGRA|VDB90506.1 CFRU|XP\_031890567.1 CGLO|KAF3804890.1 CHIG|XP\_018164372.1 CVIN|KAF4921180.1 CVYL|A12171 MGRA|XP\_003848673.1 MORY|QBZ55541.1 SSCL|APA06587.1

>Orthogroup5480: ANID|CBF71696.1 BCIN|XP\_024550501.1 CFRU|XP\_031886309.1 CGLO|KAF3806204.1 CHIG|XP\_018162193.1 CVIN|KAF4931493.1 CVYL|A11791 FGRM|XP\_011326339.1 MGRA|XP\_003855283.1 MORY|QBZ55788.1 NCRA|XP\_959061.1 SSCL|APA11220.1

>Orthogroup5481: ANID|CBF71698.1 BCIN|XP\_024550500.1 CFRU|XP\_031886310.1 CGLO|KAF3806203.1 CHIG|XP\_018162192.1 CVIN|KAF4931492.1 CVYL|A11790 FGRM|XP\_011326338.1 MGRA|XP\_003849202.1 MORY|QBZ55787.1 NCRA|XP\_959062.1 SSCL|APA11219.1

>Orthogroup5482: ANID|CBF71710.1 BCIN|XP\_001559333.2 BGRA|VDB94896.1 CFRU|XP\_031879320.1 CGLO|KAF3808616.1 CHIG|XP\_018161900.1 CVIN|KAF4926142.1 FGRM|XP\_011318502.1 MLAR|XP\_007418068.1 MORY|QBZ59640.1 NCRA|XP\_962873.1 SSCL|APA07871.1

>Orthogroup5483: ANID|CBF71724.1 BCIN|XP\_001555478.2 BGRA|VDB94866.1 CFRU|XP\_031886944.1 CHIG|XP\_018160588.1 CVIN|KAF4921009.1 CVYL|A04533 FGRM|XP\_011323644.1 MGRA|XP\_003848783.1 MORY|QBZ56986.1 NCRA|XP\_961490.3 SSCL|APA08187.1

>Orthogroup5484: ANID|CBF71772.1 BCIN|XP\_001548435.2 CFRU|XP\_031884664.1 CGLO|KAF3799682.1 CHIG|XP\_018158274.1 CVIN|KAF4919962.1 CVYL|A05846 FGRM|XP\_011316518.1 MGRA|XP\_003850293.1 MORY|QBZ60300.1 NCRA|XP\_965588.2 SSCL|APA09296.1

>Orthogroup5485: ANID|CBF71783.1 CFRU|XP\_031880290.1 CFRU|XP\_031882383.1 CGLO|KAF3807626.1 CGLO|KAF3808953.1 CHIG|XP\_018156305.1 CVIN|KAF4921393.1 CVYL|A01142 CVYL|A03124 FGRM|XP\_011318884.1 MORY|QBZ54744.1 NCRA|XP\_961622.2

>Orthogroup5486: ANID|CBF73455.1 ANID|CBF75199.1 BCIN|XP\_001550204.2 BCIN|XP\_001557290.1 BCIN|XP\_024548227.1 CFRU|XP\_031875441.1 CFRU|XP\_031875622.1 MORY|QBZ53777.1 MORY|QBZ57599.1 MORY|QBZ59351.1 SSCL|APA09492.1 SSCL|APA14662.1

>Orthogroup5487: ANID|CBF73503.1 ANID|CBF84318.1 BCIN|XP\_001550245.1 CFRU|XP\_031883151.1 CGLO|KAF3800730.1 CHIG|XP\_018163694.1 CVIN|KAF4919619.1 CVYL|A00474 FGRM|XP\_011327411.1 MGRA|XP\_003855124.1 MORY|QBZ57858.1 MORY|QBZ66331.1

>Orthogroup5488: ANID|CBF73526.1 ANID|CBF83901.1 BCIN|XP\_024546968.1 CFRU|XP\_031889272.1 CGLO|KAF3808872.1 CGLO|KAF3809596.1 CHIG|XP\_018152661.1 CHIG|XP\_018154137.1 CVIN|KAF4896686.1 CVYL|A01210 MGRA|XP\_003847633.1 SSCL|APA05969.1

>Orthogroup5489: ANID|CBF73570.1 ANID|CBF76008.1 BCIN|XP\_001555881.1 BCIN|XP\_001561357.1 CFRU|XP\_031883868.1 CFRU|XP\_031888046.1 CGLO|KAF3802057.1 CGLO|KAF3805050.1 CHIG|XP\_018154182.1 CVIN|KAF4901926.1 CVYL|A03330 SSCL|APA06061.1

>Orthogroup5490: ANID|CBF73581.1 CFRU|XP\_031879495.1 CFRU|XP\_031881865.1 CGLO|KAF3800387.1 CGLO|KAF3802437.1 CHIG|XP\_018157708.1 CVIN|KAF4890321.1 CVIN|KAF4901607.1 CVYL|A11505 CVYL|A13580 FGRM|XP\_011322731.1 MORY|QBZ63346.1

>Orthogroup5491: ANID|CBF73697.1 BCIN|XP\_024548408.1 CFRU|XP\_031889871.1 CGLO|KAF3805986.1 CHIG|XP\_018158994.1 CVIN|KAF4917802.1 CVYL|A13736 FGRM|XP\_011317498.1 MGRA|XP\_003856117.1 MLAR|XP\_007415152.1 NCRA|XP\_011393633.1 SSCL|APA12289.1

>Orthogroup5492: ANID|CBF73707.1 BCIN|XP\_001558206.1 CFRU|XP\_031891270.1 CGLO|KAF3811123.1 CHIG|XP\_018160380.1 CVIN|KAF4924499.1 CVYL|A04278 FGRM|XP\_011326700.1 MLAR|XP\_007411399.1 MORY|QBZ63746.1 NCRA|XP\_960717.3 SSCL|APA13629.1

>Orthogroup5493: ANID|CBF73747.1 BCIN|XP\_001558208.2 BGRA|VCU40498.1 CFRU|XP\_031891271.1 CGLO|KAF3811122.1 CHIG|XP\_018160381.1 CVIN|KAF4924541.1 CVYL|A04277 FGRM|XP\_011326701.1 MORY|QBZ56913.1 NCRA|XP\_011394485.1 SSCL|APA13630.1

>Orthogroup5494: ANID|CBF73749.1 BCIN|XP\_001558748.2 BGRA|VDB93970.1 CFRU|XP\_031879464.1 CGLO|KAF3799661.1 CHIG|XP\_018154669.1 CVIN|KAF4922167.1 CVYL|A13523 FGRM|XP\_011316688.1 MORY|QBZ60976.1 NCRA|XP\_963162.2 SSCL|APA05623.1

>Orthogroup5495: ANID|CBF73756.1 BCIN|XP\_001558737.1 BGRA|VDB92577.1 CFRU|XP\_031886078.1 CGLO|KAF3805465.1 CHIG|XP\_018155328.1 CVIN|KAF4897789.1 CVYL|A05595 FGRM|XP\_011317451.1 MORY|QBZ58973.1 NCRA|XP\_011393561.1 SSCL|APA05626.1

>Orthogroup5496: ANID|CBF73771.1 ANID|CBF76642.1 CFRU|XP\_031882175.1 CGLO|KAF3804441.1 CHIG|XP\_018160264.1 CVIN|KAF4930966.1 CVYL|A04149 FGRM|XP\_011323268.1 FGRM|XP\_011324515.1 MORY|QBZ54428.1 MORY|QBZ65262.1 NCRA|XP\_011394551.1

>Orthogroup5497: ANID|CBF73777.1 BCIN|XP\_001550730.1 BGRA|VDB93605.1 CFRU|XP\_031886339.1 CGLO|KAF3806408.1 CHIG|XP\_018162290.1 CVIN|KAF4923283.1 CVYL|A12001 FGRM|XP\_011326576.1 MORY|QBZ63904.1 NCRA|XP\_956168.3 SSCL|APA15306.1

>Orthogroup5498: ANID|CBF73845.1 BCIN|XP\_001557975.1 CFRU|XP\_031891773.1 CGLO|KAF3801392.1 CHIG|XP\_018164778.1 CVIN|KAF4907813.1 CVYL|A07692 FGRM|XP\_011326675.1 MGRA|XP\_003850207.1 MORY|QBZ61989.1 NCRA|XP\_958520.2 SSCL|APA12680.1

>Orthogroup5499: ANID|CBF73923.1 BCIN|XP\_024547070.1 CFRU|XP\_031880658.1 CGLO|KAF3811151.1 CHIG|XP\_018160338.1 CVIN|KAF4931197.1 CVYL|A04311 FGRM|XP\_011327105.1 MGRA|XP\_003850325.1 MORY|QBZ57412.1 NCRA|XP\_011394699.1 SSCL|APA06146.1

>Orthogroup5500: ANID|CBF73924.1 BCIN|XP\_001547671.1 BGRA|VCU40686.1 CFRU|XP\_031887124.1 CHIG|XP\_018160432.1 CVIN|KAF4931159.1 CVYL|A04380 FGRM|XP\_011327133.1 MGRA|XP\_003850219.1 MORY|QBZ57040.1 NCRA|XP\_960945.1 SSCL|APA05874.1

>Orthogroup5501: ANID|CBF73926.1 BCIN|XP\_024547002.1 BGRA|VCU40705.1 CFRU|XP\_031887120.1 CHIG|XP\_018160431.1 CVIN|KAF4931158.1 CVYL|A04381 FGRM|XP\_011327134.1 MGRA|XP\_003850184.1 MORY|QBZ57041.1 NCRA|XP\_960944.2 SSCL|APA05873.1

>Orthogroup5502: ANID|CBF73930.1 BCIN|XP\_001547995.1 CFRU|XP\_031877042.1 CGLO|KAF3811112.1 CHIG|XP\_018152937.1 CVIN|KAF4911093.1 CVYL|A07972 FGRM|XP\_011328008.1 MGRA|XP\_003857244.1 MORY|QBZ64556.1 NCRA|XP\_964151.2 SSCL|APA14254.1

>Orthogroup5503: ANID|CBF73945.1 BCIN|XP\_024553990.1 CFRU|XP\_031891474.1 CGLO|KAF3804501.1 CHIG|XP\_018160331.1 CVIN|KAF4924514.1 CVYL|A04216 FGRM|XP\_011328796.1 MGRA|XP\_003849805.1 MORY|QBZ58114.1 NCRA|XP\_961047.3 SSCL|APA15395.1

>Orthogroup5504: ANID|CBF73972.1 ANID|CBF80422.1 ANID|CBF85295.1 ANID|CBF87263.1 BCIN|XP\_001558959.1 BCIN|XP\_024548875.1 CHIG|XP\_018158301.1 FGRM|XP\_011320986.1 FGRM|XP\_011321137.1 MORY|QBZ55123.1 MORY|QBZ57939.1 NCRA|XP\_958743.1

>Orthogroup5505: ANID|CBF74023.1 BCIN|XP\_001553780.1 CFRU|XP\_031889067.1 CGLO|KAF3804231.1 CHIG|XP\_018160069.1 CVIN|KAF4930139.1 CVYL|A03913 FGRM|XP\_011324594.1 MGRA|XP\_003850099.1 MORY|QBZ64651.1 NCRA|XP\_960624.1 SSCL|APA14508.1

>Orthogroup5506: ANID|CBF74032.1 BCIN|XP\_001547657.1 CFRU|XP\_031891245.1 CGLO|KAF3804543.1 CHIG|XP\_018160402.1 CVIN|KAF4924494.1 CVYL|A04262 FGRM|XP\_011326910.1 MGRA|XP\_003850087.1 MORY|QBZ57049.1 NCRA|XP\_961103.2 SSCL|APA05882.1

>Orthogroup5507: ANID|CBF74045.1 BCIN|XP\_024547005.1 BGRA|VCU40543.1 CFRU|XP\_031886923.1 CGLO|KAF3811227.1 CHIG|XP\_018160417.1 CVIN|KAF4931190.1 CVYL|A04395 FGRM|XP\_011327131.1 MORY|QBZ57045.1 NCRA|XP\_960943.2 SSCL|APA05879.1

>Orthogroup5508: ANID|CBF74052.1 BCIN|XP\_001558820.1 CFRU|XP\_031891532.1 CGLO|KAF3811119.1 CHIG|XP\_018160390.1 CVIN|KAF4924538.1 CVYL|A04272 FGRM|XP\_011326692.1 MGRA|XP\_003850538.1 MORY|QBZ59050.1 NCRA|XP\_958760.1 SSCL|APA05974.1

>Orthogroup5509: ANID|CBF74120.1 BCIN|XP\_024546794.1 BGRA|VCU40642.1 CFRU|XP\_031888650.1 CGLO|KAF3799325.1 CHIG|XP\_018159921.1 CVIN|KAF4924781.1 FGRM|XP\_011324457.1 MGRA|XP\_003849881.1 MORY|QBZ59175.1 NCRA|XP\_961602.1 SSCL|APA06093.1

>Orthogroup5510: ANID|CBF74162.1 BCIN|XP\_001553787.2 BGRA|VCU40631.1 CFRU|XP\_031888921.1 CHIG|XP\_018159823.1 CVIN|KAF4894530.1 CVYL|A10101 FGRM|XP\_011324454.1 MLAR|XP\_007412631.1 MORY|QBZ59128.1 NCRA|XP\_958696.1 SSCL|APA05231.1

>Orthogroup5511: ANID|CBF74167.1 BCIN|XP\_001554067.2 CFRU|XP\_031888099.1 CGLO|KAF3802287.1 CHIG|XP\_018154387.1 CVIN|KAF4924384.1 CVYL|A10529 FGRM|XP\_011319783.1 MGRA|XP\_003853909.1 MORY|QBZ61809.1 NCRA|XP\_959594.1 SSCL|APA05568.1

>Orthogroup5512: ANID|CBF74175.1 BCIN|XP\_001559016.1 BGRA|VCU39336.1 CFRU|XP\_031888708.1 CGLO|KAF3804181.1 CHIG|XP\_018160025.1 CVIN|KAF4918378.1 CVYL|A03856 MGRA|XP\_003849980.1 MORY|QBZ57668.1 NCRA|XP\_961159.1 SSCL|APA05929.1

>Orthogroup5513: ANID|CBF74177.1 BCIN|XP\_024548327.1 CFRU|XP\_031891217.1 CGLO|KAF3804509.1 CHIG|XP\_018159479.1 CVIN|KAF4924487.1 CVYL|A04225 FGRM|XP\_011326893.1 MGRA|XP\_003849966.1 MORY|QBZ59060.1 NCRA|XP\_960861.1 SSCL|APA12567.1

>Orthogroup5514: ANID|CBF74210.1 BCIN|XP\_001546978.2 BGRA|VCU40534.1 CFRU|XP\_031888685.1 CGLO|KAF3799283.1 CHIG|XP\_018159876.1 CVIN|KAF4924784.1 CVYL|A04119 FGRM|XP\_011324540.1 MORY|QBZ58667.1 NCRA|XP\_958829.3 SSCL|APA12564.1

>Orthogroup5515: ANID|CBF74217.1 BCIN|XP\_001553717.1 BGRA|VCU39781.1 CFRU|XP\_031889042.1 CGLO|KAF3799188.1 CHIG|XP\_018159796.1 FGRM|XP\_011328762.1 MGRA|XP\_003850277.1 MLAR|XP\_007415925.1 MORY|QBZ54545.1 NCRA|XP\_957975.3 SSCL|APA13499.1

>Orthogroup5516: ANID|CBF74232.1 BCIN|XP\_024551299.1 CFRU|XP\_031886213.1 CGLO|KAF3806352.1 CHIG|XP\_018162241.1 CVIN|KAF4899313.1 CVYL|A11940 FGRM|XP\_011324051.1 MGRA|XP\_003857374.1 MORY|QBZ61599.1 NCRA|XP\_956588.3 SSCL|APA10224.1

>Orthogroup5517: ANID|CBF74244.1 BCIN|XP\_001555716.1 CFRU|XP\_031893569.1 CGLO|KAF3808097.1 CHIG|XP\_018152798.1 CVIN|KAF4920638.1 CVYL|A08135 FGRM|XP\_011317976.1 MGRA|XP\_003856370.1 MORY|QBZ54994.1 NCRA|XP\_958540.1 SSCL|APA10323.1

>Orthogroup5518: ANID|CBF74271.1 BCIN|XP\_024553371.1 CFRU|XP\_031881824.1 CGLO|KAF3800633.1 CHIG|XP\_018152051.1 CVIN|KAF4918187.1 CVYL|A13083 FGRM|XP\_011317215.1 MGRA|XP\_003849146.1 MORY|QBZ57300.1 NCRA|XP\_956267.2 SSCL|APA13701.1

>Orthogroup5519: ANID|CBF74291.1 BCIN|XP\_024549570.1 BGRA|VDB89186.1 CFRU|XP\_031886970.1 CGLO|KAF3811379.1 CHIG|XP\_018160614.1 CVIN|KAF4921015.1 CVYL|A04571 FGRM|XP\_011327204.1 MORY|QBZ58053.1 NCRA|XP\_959195.2 SSCL|APA13949.1

>Orthogroup5520: ANID|CBF74293.1 BCIN|XP\_024549097.1 BGRA|VCU38960.1 CFRU|XP\_031887461.1 CGLO|KAF3803324.1 CHIG|XP\_018161176.1 CVIN|KAF4919261.1 CVYL|A03761 FGRM|XP\_011321358.1 MGRA|XP\_003855502.1 NCRA|XP\_961790.2 SSCL|APA15918.1

>Orthogroup5521: ANID|CBF74356.1 BCIN|XP\_024546519.1 BGRA|VDB90801.1 CFRU|XP\_031879817.1 CGLO|KAF3802981.1 CHIG|XP\_018153632.1 CVIN|KAF4929967.1 CVYL|A00413 FGRM|XP\_011316932.1 MORY|QBZ63613.1 NCRA|XP\_011393280.1 SSCL|APA06729.1

>Orthogroup5522: ANID|CBF74358.1 BCIN|XP\_001556452.1 CFRU|XP\_031882845.1 CGLO|KAF3803440.1 CHIG|XP\_018164111.1 CVIN|KAF4926337.1 CVYL|A14369 FGRM|XP\_011326817.1 MLAR|XP\_007412730.1 MORY|QBZ56468.1 NCRA|XP\_963783.2 SSCL|APA06553.1

>Orthogroup5523: ANID|CBF74364.1 BCIN|XP\_024546105.1 BGRA|VDB90776.1 CFRU|XP\_031890656.1 CGLO|KAF3804917.1 CHIG|XP\_018164414.1 CVIN|KAF4919423.1 CVYL|A12140 FGRM|XP\_011317141.1 MORY|QBZ62797.1 NCRA|XP\_965439.3 SSCL|APA06627.1

>Orthogroup5524: ANID|CBF74395.1 BCIN|XP\_024547287.1 CFRU|XP\_031882020.1 CGLO|KAF3806114.1 CHIG|XP\_018164553.1 CVIN|KAF4911026.1 CVYL|A07399 FGRM|XP\_011326668.1 MGRA|XP\_003848534.1 MORY|QBZ64886.1 SSCL|APA08973.1 SSCL|APA14244.1

>Orthogroup5525: ANID|CBF74398.1 BCIN|XP\_024547131.1 CFRU|XP\_031892090.1 CGLO|KAF3800121.1 CHIG|XP\_018165057.1 CVIN|KAF4925808.1 CVYL|A06809 FGRM|XP\_011327762.1 MGRA|XP\_003851621.1 MORY|QBZ60740.1 NCRA|XP\_957845.3 SSCL|APA14031.1

>Orthogroup5526: ANID|CBF74419.1 BCIN|XP\_024551715.1 CFRU|XP\_031888557.1 CGLO|KAF3803607.1 CHIG|XP\_018163856.1 CVIN|KAF4920386.1 CVYL|A14542 FGRM|XP\_011316718.1 MGRA|XP\_003854805.1 MORY|QBZ62995.1 NCRA|XP\_958132.2 SSCL|APA14554.1

>Orthogroup5527: ANID|CBF74434.1 BCIN|XP\_024551623.1 CFRU|XP\_031879799.1 CGLO|KAF3803024.1 CHIG|XP\_018153572.1 CVIN|KAF4929974.1 FGRM|XP\_011316898.1 MGRA|XP\_003855712.1 MLAR|XP\_007403919.1 MORY|QBZ55449.1 NCRA|XP\_963907.1 SSCL|APA06267.1

>Orthogroup5528: ANID|CBF74437.1 BCIN|XP\_024551736.1 BGRA|VCU41349.1 CFRU|XP\_031883918.1 CFRU|XP\_031884023.1 CGLO|KAF3797456.1 CHIG|XP\_018163545.1 CVIN|KAF4905672.1 CVYL|A09893 FGRM|XP\_011316289.1 MGRA|XP\_003854975.1 NCRA|XP\_962151.1

>Orthogroup5529: ANID|CBF74450.1 BCIN|XP\_001556038.1 BGRA|VDB89532.1 CFRU|XP\_031882646.1 CHIG|XP\_018152244.1 CVIN|KAF4899306.1 CVYL|A13252 FGRM|XP\_011316339.1 MGRA|XP\_003851488.1 MORY|QBZ60998.1 NCRA|XP\_956017.2 SSCL|APA13953.1

>Orthogroup5530: ANID|CBF74455.1 BCIN|XP\_001553213.1 CFRU|XP\_031892827.1 CGLO|KAF3797237.1 CHIG|XP\_018157232.1 CVIN|KAF4917683.1 CVYL|A10459 FGRM|XP\_011319907.1 MLAR|XP\_007404049.1 MORY|QBZ60447.1 NCRA|XP\_964866.1 SSCL|APA12077.1

>Orthogroup5531: ANID|CBF74458.1 BCIN|XP\_024550904.1 CFRU|XP\_031880379.1 CGLO|KAF3807335.1 CVIN|KAF4920077.1 CVYL|A10821 FGRM|XP\_011320202.1 MGRA|XP\_003857412.1 MLAR|XP\_007412157.1 MORY|QBZ65601.1 NCRA|XP\_964731.2 SSCL|APA11878.1

>Orthogroup5532: ANID|CBF74467.1 BCIN|XP\_024551168.1 BGRA|VCU39808.1 CFRU|XP\_031893398.1 CGLO|KAF3808408.1 CHIG|XP\_018152477.1 CVIN|KAF4925027.1 CVYL|A09568 FGRM|XP\_011317866.1 MORY|QBZ54083.1 NCRA|XP\_961443.1 SSCL|APA10193.1

>Orthogroup5533: ANID|CBF74547.1 BCIN|XP\_001559249.1 CFRU|XP\_031886095.1 CGLO|KAF3805505.1 CHIG|XP\_018155354.1 CVIN|KAF4918298.1 CVYL|A05629 FGRM|XP\_011317397.1 MGRA|XP\_003856852.1 MORY|QBZ58962.1 NCRA|XP\_963406.3 SSCL|APA08942.1

>Orthogroup5534: ANID|CBF74552.1 BCIN|XP\_024548053.1 CFRU|XP\_031877950.1 CFRU|XP\_031883629.1 CGLO|KAF3810813.1 CGLO|KAF3810926.1 CHIG|XP\_018160916.1 CVIN|KAF4909533.1 CVYL|A02013 CVYL|A02219 MORY|QBZ65302.1 SSCL|APA15950.1

>Orthogroup5535: ANID|CBF74555.1 BCIN|XP\_024552593.1 CFRU|XP\_031885660.1 CHIG|XP\_018157854.1 CVIN|KAF4910250.1 CVYL|A02696 FGRM|XP\_011328241.1 MGRA|XP\_003857325.1 MORY|QBZ62664.1 MORY|QBZ65327.1 NCRA|XP\_960441.2 SSCL|APA15668.1

>Orthogroup5536: ANID|CBF74566.1 BCIN|XP\_001547041.2 BGRA|VCU40871.1 CFRU|XP\_031885595.1 CGLO|KAF3810208.1 CHIG|XP\_018157830.1 CVIN|KAF4929145.1 CVYL|A02804 FGRM|XP\_011328538.1 MORY|QBZ64939.1 NCRA|XP\_011395011.1 SSCL|APA15546.1

>Orthogroup5537: ANID|CBF74580.1 BCIN|XP\_001552817.1 CFRU|XP\_031876396.1 CGLO|KAF3797784.1 CHIG|XP\_018156455.1 CVIN|KAF4923162.1 CVYL|A03007 MGRA|XP\_003855908.1 MLAR|XP\_007408956.1 MORY|QBZ63527.1 NCRA|XP\_956570.1 SSCL|APA07598.1

>Orthogroup5538: ANID|CBF74584.1 BCIN|XP\_001549467.1 BGRA|VCU41158.1 CFRU|XP\_031887310.1 CGLO|KAF3809184.1 CHIG|XP\_018156007.1 CVIN|KAF4919833.1 CVYL|A01372 FGRM|XP\_011319087.1 MORY|QBZ56670.1 NCRA|XP\_960971.1 SSCL|APA16236.1

>Orthogroup5539: ANID|CBF74590.1 CFRU|XP\_031876067.1 CFRU|XP\_031877518.1 CGLO|KAF3797537.1 CGLO|KAF3801991.1 CGLO|KAF3811876.1 CHIG|XP\_018159395.1 CVIN|KAF4919770.1 CVIN|KAF4921619.1 CVYL|A01986 CVYL|A02422 MGRA|XP\_003854876.1

>Orthogroup5540: ANID|CBF74658.1 CFRU|XP\_031877029.1 CFRU|XP\_031891540.1 CGLO|KAF3804701.1 CGLO|KAF3811101.1 CHIG|XP\_018152967.1 CVIN|KAF4911076.1 CVIN|KAF4923379.1 CVYL|A05422 CVYL|A07984 FGRM|XP\_011321756.1 MORY|QBZ66096.1

>Orthogroup5541: ANID|CBF74683.1 BCIN|XP\_001546817.1 BGRA|VCU41069.1 CFRU|XP\_031878413.1 CGLO|KAF3810768.1 CHIG|XP\_018162566.1 CVIN|KAF4932055.1 CVYL|A07185 FGRM|XP\_011326296.1 MORY|QBZ59688.1 NCRA|XP\_011393791.1 SSCL|APA10413.1

>Orthogroup5542: ANID|CBF74710.1 BCIN|XP\_024547719.1 CFRU|XP\_031884672.1 CGLO|KAF3799764.1 CHIG|XP\_018158246.1 CVIN|KAF4918960.1 CVYL|A11331 FGRM|XP\_011328735.1 MGRA|XP\_003847984.1 MORY|QBZ55718.1 NCRA|XP\_011394463.1 SSCL|APA07954.1

>Orthogroup5543: ANID|CBF74715.1 BCIN|XP\_024551395.1 BGRA|VCU39769.1 CFRU|XP\_031886414.1 CGLO|KAF3806355.1 CHIG|XP\_018162238.1 CVIN|KAF4923284.1 CVYL|A11943 FGRM|XP\_011324047.1 MORY|QBZ61603.1 NCRA|XP\_955949.1 SSCL|APA10634.1

>Orthogroup5544: ANID|CBF74726.1 BCIN|XP\_024551129.1 CFRU|XP\_031892828.1 CGLO|KAF3797238.1 CHIG|XP\_018157233.1 CVIN|KAF4917700.1 CVYL|A10458 FGRM|XP\_011319906.1 MGRA|XP\_003857414.1 MLAR|XP\_007407489.1 NCRA|XP\_964865.2 SSCL|APA12076.1

>Orthogroup5545: ANID|CBF74730.1 BCIN|XP\_024551494.1 CFRU|XP\_031886397.1 CGLO|KAF3806378.1 CHIG|XP\_018162210.1 CVIN|KAF4923272.1 CVYL|A11969 FGRM|XP\_011326584.1 MGRA|XP\_003856299.1 MORY|QBZ55767.1 NCRA|XP\_957259.1 SSCL|APA10367.1

>Orthogroup5546: ANID|CBF74757.1 BCIN|XP\_024547982.1 CFRU|XP\_031888508.1 CGLO|KAF3803535.1 CHIG|XP\_018164053.1 CVIN|KAF4922270.1 CVYL|A14466 FGRM|XP\_011316791.1 MGRA|XP\_003853412.1 MORY|QBZ63914.1 NCRA|XP\_964011.1 SSCL|APA08354.1

>Orthogroup5547: ANID|CBF74773.1 BCIN|XP\_001550007.1 BGRA|VCU39905.1 CFRU|XP\_031884345.1 CGLO|KAF3806479.1 CHIG|XP\_018162376.1 CVYL|A12080 FGRM|XP\_011323908.1 MGRA|XP\_003856375.1 MORY|QBZ61501.1 NCRA|XP\_957014.1 SSCL|APA10497.1

>Orthogroup5548: ANID|CBF74781.1 BCIN|XP\_024551478.1 CFRU|XP\_031878383.1 CGLO|KAF3810790.1 CHIG|XP\_018162523.1 CVIN|KAF4932143.1 CVYL|A07160 FGRM|XP\_011326304.1 MGRA|XP\_003857400.1 MORY|QBZ59602.1 NCRA|XP\_963088.1 SSCL|APA10408.1

>Orthogroup5549: ANID|CBF74793.1 BCIN|XP\_024550418.1 CFRU|XP\_031891649.1 CGLO|KAF3804724.1 CHIG|XP\_018161788.1 CVIN|KAF4923351.1 CVYL|A05396 FGRM|XP\_011321479.1 MGRA|XP\_003857734.1 MORY|QBZ59681.1 NCRA|XP\_011393975.1 SSCL|APA11113.1

>Orthogroup5550: ANID|CBF74817.1 BCIN|XP\_001549613.1 BGRA|VDB94456.1 CFRU|XP\_031890048.1 CGLO|KAF3798709.1 CHIG|XP\_018151284.1 CVIN|KAF4910269.1 CVYL|A09203 FGRM|XP\_011323490.1 MORY|QBZ58905.1 NCRA|XP\_962593.1 SSCL|APA05316.1

>Orthogroup5551: ANID|CBF74835.1 BCIN|XP\_024549624.1 BGRA|VCU40208.1 CFRU|XP\_031880521.1 CHIG|XP\_018160765.1 CVIN|KAF4926763.1 CVYL|A04716 FGRM|XP\_011317807.1 MGRA|XP\_003849234.1 MORY|QBZ58736.1 NCRA|XP\_011394152.1 SSCL|APA05759.1

>Orthogroup5552: ANID|CBF74856.1 BCIN|XP\_001554089.1 CFRU|XP\_031888210.1 CGLO|KAF3803664.1 CHIG|XP\_018163795.1 CVIN|KAF4928485.1 CVYL|A14596 FGRM|XP\_011317044.1 MGRA|XP\_003852625.1 MORY|QBZ54659.1 NCRA|XP\_965279.2 SSCL|APA05558.1

>Orthogroup5553: ANID|CBF74871.1 BCIN|XP\_001561423.1 BGRA|VDB91087.1 CFRU|XP\_031882727.1 CGLO|KAF3812061.1 CHIG|XP\_018164182.1 CVIN|KAF4923665.1 CVYL|A14236 FGRM|XP\_011326790.1 MGRA|XP\_003852179.1 NCRA|XP\_964686.1 SSCL|APA06927.1

>Orthogroup5554: ANID|CBF74880.1 BCIN|XP\_024549622.1 CFRU|XP\_031880596.1 CGLO|KAF3811513.1 CHIG|XP\_018160769.1 CVIN|KAF4926759.1 CVYL|A04721 MGRA|XP\_003849105.1 MLAR|XP\_007416490.1 MORY|QBZ58731.1 NCRA|XP\_011394440.1 SSCL|APA05763.1

>Orthogroup5555: ANID|CBF74910.1 ANID|CBF76705.1 BCIN|XP\_001551820.1 CFRU|XP\_031892099.1 CGLO|KAF3809738.1 CHIG|XP\_018164926.1 CVIN|KAF4903850.1 CVYL|A06662 FGRM|XP\_011328405.1 MGRA|XP\_003849188.1 MGRA|XP\_003850685.1 MORY|QBZ61234.1

>Orthogroup5556: ANID|CBF74942.1 CFRU|XP\_031878980.1 CFRU|XP\_031887228.1 CFRU|XP\_031889036.1 CGLO|KAF3804217.1 CGLO|KAF3809299.1 CVIN|KAF4911369.1 CVIN|KAF4930148.1 CVYL|A00791 CVYL|A01495 CVYL|A03891 FGRM|XP\_011328684.1

>Orthogroup5557: ANID|CBF74952.1 BCIN|XP\_024548450.1 CFRU|XP\_031880878.1 CFRU|XP\_031883477.1 CGLO|KAF3806891.1 CGLO|KAF3810801.1 CVIN|KAF4904505.1 CVYL|A02534 FGRM|XP\_011320756.1 FGRM|XP\_011328709.1 NCRA|XP\_960348.2 SSCL|APA12236.1

>Orthogroup5558: ANID|CBF75014.1 BCIN|XP\_024552666.1 BGRA|VDB87690.1 CFRU|XP\_031885734.1 CGLO|KAF3810199.1 CHIG|XP\_018157821.1 CVIN|KAF4929181.1 CVYL|A02794 FGRM|XP\_011319964.1 MORY|QBZ59275.1 NCRA|XP\_957633.1 SSCL|APA15552.1

>Orthogroup5559: ANID|CBF75020.1 BCIN|XP\_001558675.1 BGRA|VDB90910.1 CFRU|XP\_031882831.1 CGLO|KAF3803409.1 CHIG|XP\_018163924.1 CVIN|KAF4918438.1 CVYL|A14338 FGRM|XP\_011316875.1 MORY|QBZ56037.1 NCRA|XP\_964958.2 SSCL|APA05447.1

>Orthogroup5560: ANID|CBF75036.1 BCIN|XP\_001552937.1 BGRA|VDB90954.1 CFRU|XP\_031877833.1 CGLO|KAF3806615.1 CHIG|XP\_018164241.1 CVIN|KAF4918899.1 CVYL|A12325 FGRM|XP\_011316730.1 MORY|QBZ55412.1 NCRA|XP\_964818.2 SSCL|APA05426.1

>Orthogroup5561: ANID|CBF75040.1 BCIN|XP\_024547094.1 CFRU|XP\_031877869.1 CGLO|KAF3806623.1 CHIG|XP\_018164235.1 CVIN|KAF4918925.1 CVYL|A12334 FGRM|XP\_011326796.1 MLAR|XP\_007413225.1 MORY|QBZ55431.1 NCRA|XP\_964640.1 SSCL|APA05415.1

>Orthogroup5562: ANID|CBF75056.1 BCIN|XP\_024547940.1 BGRA|VDB91164.1 CFRU|XP\_031882904.1 CGLO|KAF3812071.1 CHIG|XP\_018164093.1 CVIN|KAF4923710.1 CVYL|A14247 FGRM|XP\_011326771.1 MORY|QBZ56398.1 NCRA|XP\_964132.1 SSCL|APA08420.1

>Orthogroup5563: ANID|CBF75068.1 BCIN|XP\_001558678.1 BGRA|VDB90955.1 CFRU|XP\_031882737.1 CGLO|KAF3803412.1 CHIG|XP\_018163922.1 CVIN|KAF4918440.1 CVYL|A14340 FGRM|XP\_011316877.1 MORY|QBZ63194.1 NCRA|XP\_964960.1 SSCL|APA05451.1

>Orthogroup5564: ANID|CBF75074.1 BCIN|XP\_024549989.1 CFRU|XP\_031890947.1 CGLO|KAF3801545.1 CHIG|XP\_018151951.1 CVYL|A12591 FGRM|XP\_011318395.1 MGRA|XP\_003851349.1 MLAR|XP\_007416429.1 MORY|QBZ65571.1 NCRA|XP\_011395240.1 SSCL|APA05326.1

>Orthogroup5565: ANID|CBF75127.1 BCIN|XP\_001546891.2 BGRA|VDB87868.1 CFRU|XP\_031890807.1 CGLO|KAF3801632.1 CHIG|XP\_018151396.1 CVIN|KAF4921220.1 CVYL|A12505 FGRM|XP\_011328446.1 MORY|QBZ62695.1 NCRA|XP\_958575.1 SSCL|APA08574.1

>Orthogroup5566: ANID|CBF75180.1 BCIN|XP\_024547264.1 CFRU|XP\_031892072.1 CGLO|KAF3801417.1 CHIG|XP\_018164746.1 CVIN|KAF4922327.1 CVYL|A07668 FGRM|XP\_011324961.1 MGRA|XP\_003848602.1 MORY|QBZ60869.1 NCRA|XP\_958938.3 SSCL|APA14227.1

>Orthogroup5567: ANID|CBF75193.1 BCIN|XP\_024549140.1 CFRU|XP\_031890615.1 CGLO|KAF3805307.1 CHIG|XP\_018158625.1 CVIN|KAF4926028.1 CVYL|A13960 FGRM|XP\_011316589.1 MGRA|XP\_003852699.1 MORY|QBZ60514.1 NCRA|XP\_965681.2 SSCL|APA08815.1

>Orthogroup5568: ANID|CBF75215.1 BCIN|XP\_001559617.1 BGRA|VDB89189.1 CFRU|XP\_031882298.1 CGLO|KAF3804435.1 CHIG|XP\_018160258.1 CVYL|A04141 FGRM|XP\_011324525.1 MGRA|XP\_003850615.1 MORY|QBZ54295.1 NCRA|XP\_961362.1 SSCL|APA09388.1

>Orthogroup5569: ANID|CBF75234.1 BCIN|XP\_001556054.1 CFRU|XP\_031882154.1 CGLO|KAF3804458.1 CHIG|XP\_018160287.1 CVIN|KAF4930940.1 CVYL|A04169 FGRM|XP\_011324528.1 MGRA|XP\_003851075.1 MORY|QBZ53823.1 NCRA|XP\_960753.2 SSCL|APA13964.1

>Orthogroup5570: ANID|CBF75258.1 BCIN|XP\_024546257.1 BGRA|VDB92870.1 CFRU|XP\_031890195.1 CGLO|KAF3802866.1 CHIG|XP\_018158464.1 CVIN|KAF4923835.1 CVYL|A05147 FGRM|XP\_011316389.1 MORY|QBZ55899.1 NCRA|XP\_964755.2 SSCL|APA06969.1

>Orthogroup5571: ANID|CBF75285.1 BCIN|XP\_001545600.1 CFRU|XP\_031889573.1 CGLO|KAF3810582.1 CHIG|XP\_018159020.1 CVIN|KAF4914199.1 CVYL|A13662 FGRM|XP\_011328353.1 MGRA|XP\_003852837.1 MORY|QBZ57343.1 NCRA|XP\_959506.3 SSCL|APA07329.1

>Orthogroup5572: ANID|CBF75316.1 BCIN|XP\_001559961.2 BGRA|VDB93250.1 CFRU|XP\_031890610.1 CGLO|KAF3805271.1 CHIG|XP\_018158801.1 CVIN|KAF4901295.1 CVYL|A13920 FGRM|XP\_011316670.1 MORY|QBZ60397.1 NCRA|XP\_964972.1 SSCL|APA09779.1

>Orthogroup5573: ANID|CBF75332.1 BCIN|XP\_024551008.1 CFRU|XP\_031889391.1 CGLO|KAF3808762.1 CHIG|XP\_018155675.1 CVIN|KAF4906982.1 CVYL|A00900 FGRM|XP\_011319168.1 MLAR|XP\_007413661.1 MORY|QBZ54287.1 NCRA|XP\_960853.3 SSCL|APA11631.1

>Orthogroup5574: ANID|CBF75374.1 BCIN|XP\_024549088.1 BGRA|VDB92523.1 CFRU|XP\_031890199.1 CGLO|KAF3802923.1 CHIG|XP\_018158525.1 CVIN|KAF4925563.1 FGRM|XP\_011316635.1 MGRA|XP\_003853407.1 MORY|QBZ63213.1 NCRA|XP\_965044.1 SSCL|APA15891.1

>Orthogroup5575: ANID|CBF75384.1 BCIN|XP\_001555546.1 CFRU|XP\_031889767.1 CGLO|KAF3805900.1 CHIG|XP\_018158914.1 CVIN|KAF4920795.1 CVYL|A13813 FGRM|XP\_011315915.1 MGRA|XP\_003857383.1 MORY|QBZ60517.1 NCRA|XP\_011392803.1 SSCL|APA07419.1

>Orthogroup5576: ANID|CBF75501.1 BCIN|XP\_001548824.2 BGRA|VDB89000.1 CFRU|XP\_031891673.1 CGLO|KAF3800132.1 CHIG|XP\_018165066.1 CVIN|KAF4925872.1 CVYL|A06821 FGRM|XP\_011327673.1 MORY|QBZ60678.1 NCRA|XP\_958449.1 SSCL|APA13419.1

>Orthogroup5577: ANID|CBF75520.1 BCIN|XP\_024547252.1 CFRU|XP\_031877630.1 CGLO|KAF3801069.1 CHIG|XP\_018153716.1 CVIN|KAF4902054.1 CVYL|A00090 FGRM|XP\_011327787.1 MGRA|XP\_003848701.1 MORY|QBZ62347.1 NCRA|XP\_001728169.2 SSCL|APA14200.1

>Orthogroup5578: ANID|CBF75547.1 BCIN|XP\_024547188.1 CFRU|XP\_031877613.1 CGLO|KAF3801078.1 CHIG|XP\_018153729.1 CVIN|KAF4892464.1 CVYL|A00415 FGRM|XP\_011327800.1 MLAR|XP\_007413634.1 MORY|QBZ60611.1 NCRA|XP\_959789.2 SSCL|APA14110.1

>Orthogroup5579: ANID|CBF75572.1 BCIN|XP\_024553084.1 BGRA|VCU39664.1 CFRU|XP\_031885435.1 CGLO|KAF3799527.1 CHIG|XP\_018154516.1 CVIN|KAF4931771.1 CVYL|A13387 FGRM|XP\_011324924.1 MORY|QBZ62062.1 NCRA|XP\_956273.1 SSCL|APA16297.1

>Orthogroup5580: ANID|CBF75587.1 ANID|CBF87099.1 BCIN|XP\_001548533.1 CFRU|XP\_031884761.1 CGLO|KAF3812108.1 CHIG|XP\_018153346.1 CVIN|KAF4918135.1 CVYL|A00288 FGRM|XP\_011323058.1 MORY|QBZ64041.1 NCRA|XP\_959878.1 SSCL|APA07188.1

>Orthogroup5581: ANID|CBF75598.1 BCIN|XP\_024553175.1 BGRA|VDB88970.1 CFRU|XP\_031877672.1 CGLO|KAF3801061.1 CHIG|XP\_018153707.1 CVIN|KAF4912161.1 CVYL|A00168 FGRM|XP\_011327829.1 MGRA|XP\_003848418.1 NCRA|XP\_011395174.1 SSCL|APA13425.1

>Orthogroup5582: ANID|CBF75617.1 BCIN|XP\_024551777.1 CFRU|XP\_031884062.1 CGLO|KAF3804995.1 CHIG|XP\_018163522.1 CVIN|KAF4927078.1 CVYL|A06554 FGRM|XP\_011316258.1 FGRM|XP\_011323230.1 MORY|QBZ54803.1 NCRA|XP\_961953.1 SSCL|APA14627.1

>Orthogroup5583: ANID|CBF75649.1 BCIN|XP\_001558386.2 BGRA|VDB94787.1 CFRU|XP\_031876496.1 CGLO|KAF3797008.1 CHIG|XP\_018153676.1 CVIN|KAF4894114.1 CVYL|A00374 FGRM|XP\_011317160.1 MORY|QBZ63937.1 NCRA|XP\_963834.2 SSCL|APA06308.1

>Orthogroup5584: ANID|CBF75655.1 BCIN|XP\_001549119.1 BGRA|VDB90471.1 CFRU|XP\_031888564.1 CHIG|XP\_018163885.1 CVIN|KAF4920392.1 CVYL|A14516 FGRM|XP\_011316759.1 MGRA|XP\_003856747.1 MORY|QBZ55363.1 NCRA|XP\_964056.1 SSCL|APA06324.1

>Orthogroup5585: ANID|CBF75679.1 BCIN|XP\_001552402.2 CFRU|XP\_031881215.1 CGLO|KAF3802488.1 CHIG|XP\_018154793.1 CVIN|KAF4918988.1 CVYL|A02080 FGRM|XP\_011316535.1 MGRA|XP\_003857105.1 MLAR|XP\_007408925.1 NCRA|XP\_959732.2 SSCL|APA14903.1

>Orthogroup5586: ANID|CBF75706.1 BCIN|XP\_024546547.1 BGRA|VDB95014.1 CFRU|XP\_031889497.1 CHIG|XP\_018155471.1 CVIN|KAF4928278.1 CVYL|A01080 FGRM|XP\_011325083.1 MGRA|XP\_003856872.1 MORY|QBZ59971.1 NCRA|XP\_960196.1 SSCL|APA06683.1

>Orthogroup5587: ANID|CBF75708.1 BCIN|XP\_001560951.1 CFRU|XP\_031889486.1 CHIG|XP\_018155500.1 CVIN|KAF4928301.1 CVYL|A01064 FGRM|XP\_011328468.1 MGRA|XP\_003856952.1 MLAR|XP\_007411026.1 MORY|QBZ59955.1 NCRA|XP\_001728241.1 SSCL|APA06682.1

>Orthogroup5588: ANID|CBF75725.1 BCIN|XP\_001558459.1 BGRA|VDB94988.1 CFRU|XP\_031883906.1 CGLO|KAF3805060.1 CHIG|XP\_018163457.1 CVYL|A06500 FGRM|XP\_011318756.1 MGRA|XP\_003856392.1 MLAR|XP\_007408989.1 NCRA|XP\_957489.1 SSCL|APA14726.1

>Orthogroup5589: ANID|CBF75741.1 BCIN|XP\_024552566.1 BGRA|VDB91211.1 CFRU|XP\_031885830.1 CGLO|KAF3810137.1 CHIG|XP\_018157969.1 CVIN|KAF4912135.1 CVYL|A02727 FGRM|XP\_011320317.1 MORY|QBZ62142.1 NCRA|XP\_958637.2 SSCL|APA08671.1

>Orthogroup5590: ANID|CBF75758.1 BCIN|XP\_024548654.1 BGRA|VDB84002.1 CFRU|XP\_031890589.1 CGLO|KAF3806709.1 CHIG|XP\_018158684.1 CVIN|KAF4925969.1 CVYL|A14016 FGRM|XP\_011315927.1 MORY|QBZ60426.1 NCRA|XP\_011393403.1 SSCL|APA09941.1

>Orthogroup5591: ANID|CBF75766.1 ANID|CBF86779.1 BCIN|XP\_001555991.1 CFRU|XP\_031876880.1 CGLO|KAF3799819.1 CHIG|XP\_018153857.1 CVIN|KAF4907994.1 FGRM|XP\_011318287.1 FGRM|XP\_011320834.1 MGRA|XP\_003856568.1 MORY|QBZ60843.1 SSCL|APA13924.1

>Orthogroup5592: ANID|CBF75779.1 ANID|CBF79117.1 BCIN|XP\_001557062.2 CFRU|XP\_031876084.1 CGLO|KAF3798076.1 CGLO|KAF3801977.1 CVYL|A08281 MGRA|XP\_003850940.1 MGRA|XP\_003852304.1 MORY|QBZ66481.1 SSCL|APA08510.1 SSCL|APA14311.1

>Orthogroup5593: ANID|CBF75798.1 BCIN|XP\_001557366.2 BGRA|VCU39758.1 CFRU|XP\_031893088.1 CFRU|XP\_031893091.1 CGLO|KAF3808360.1 CHIG|XP\_018152422.1 CVIN|KAF4918623.1 CVYL|A09518 FGRM|XP\_011317689.1 MGRA|XP\_003856386.1 SSCL|APA10707.1

>Orthogroup5594: ANID|CBF75811.1 BCIN|XP\_001554170.1 BGRA|VCU39775.1 CGLO|KAF3808371.1 CHIG|XP\_018152428.1 CVIN|KAF4916839.1 FGRM|XP\_011317881.1 MGRA|XP\_003848470.1 MLAR|XP\_007412411.1 MORY|QBZ54057.1 NCRA|XP\_961295.2 SSCL|APA10189.1

>Orthogroup5595: ANID|CBF75849.1 BCIN|XP\_001546126.1 CFRU|XP\_031892690.1 CGLO|KAF3803076.1 CHIG|XP\_018153520.1 CVIN|KAF4919864.1 CVYL|A00088 FGRM|XP\_011316109.1 MGRA|XP\_003853199.1 MORY|QBZ55583.1 NCRA|XP\_965119.1 SSCL|APA06461.1

>Orthogroup5596: ANID|CBF75924.1 ANID|CBF80582.1 ANID|CBF83068.1 CFRU|XP\_031884400.1 CFRU|XP\_031886445.1 CGLO|KAF3799694.1 CGLO|KAF3806346.1 CGLO|KAF3806347.1 CHIG|XP\_018155472.1 CVIN|KAF4899320.1 CVYL|A05858 CVYL|A11935

>Orthogroup5597: ANID|CBF75976.1 ANID|CBF76004.1 BCIN|XP\_024549047.1 CFRU|XP\_031876835.1 CFRU|XP\_031881349.1 CGLO|KAF3805808.1 CGLO|KAF3807975.1 CHIG|XP\_018158414.1 FGRM|XP\_011327062.1 NCRA|XP\_958861.1 NCRA|XP\_959356.2 SSCL|APA09264.1

>Orthogroup5598: ANID|CBF75982.1 BCIN|XP\_024546446.1 BGRA|VCU39019.1 CFRU|XP\_031888734.1 CGLO|KAF3804128.1 CHIG|XP\_018159968.1 CVIN|KAF4910279.1 CVYL|A03552 FGRM|XP\_011320866.1 MGRA|XP\_003855564.1 MORY|QBZ63032.1 SSCL|APA07086.1

>Orthogroup5599: ANID|CBF76066.1 BCIN|XP\_001556482.1 CFRU|XP\_031880847.1 CGLO|KAF3806900.1 CHIG|XP\_018159579.1 CVIN|KAF4904511.1 CVYL|A02544 FGRM|XP\_011323450.1 MORY|QBZ59219.1 NCRA|XP\_956714.1 NCRA|XP\_960457.2 SSCL|APA06534.1

>Orthogroup5600: ANID|CBF76159.1 ANID|CBF83078.1 ANID|CBF87067.1 BCIN|XP\_001547176.1 BCIN|XP\_024549326.1 CGLO|KAF3801241.1 CHIG|XP\_018163578.1 FGRM|XP\_011321733.1 MGRA|XP\_003849780.1 MGRA|XP\_003851469.1 MGRA|XP\_003855364.1 SSCL|APA08913.1

>Orthogroup5601: ANID|CBF76177.1 CFRU|XP\_031884198.1 CGLO|KAF3807908.1 CGLO|KAF3811030.1 CHIG|XP\_018153004.1 CHIG|XP\_018153005.1 CVIN|KAF4918138.1 CVYL|A09762 FGRM|XP\_011324321.1 MGRA|XP\_003854568.1 MORY|QBZ60191.1 SSCL|APA09552.1

>Orthogroup5602: ANID|CBF76201.1 BCIN|XP\_024546518.1 CFRU|XP\_031879845.1 CGLO|KAF3802983.1 CHIG|XP\_018153630.1 CVIN|KAF4929964.1 CVYL|A00416 FGRM|XP\_011316930.1 MGRA|XP\_003850522.1 MORY|QBZ63611.1 NCRA|XP\_011393276.1 SSCL|APA06730.1

>Orthogroup5603: ANID|CBF76277.1 BCIN|XP\_001547872.1 CFRU|XP\_031880270.1 CGLO|KAF3809084.1 CHIG|XP\_018155887.1 CVIN|KAF4923811.1 CVYL|A01629 FGRM|XP\_011318885.1 MLAR|XP\_007413043.1 MORY|QBZ64618.1 NCRA|XP\_960908.1 SSCL|APA16172.1

>Orthogroup5604: ANID|CBF76283.1 BCIN|XP\_024547330.1 CFRU|XP\_031878453.1 CGLO|KAF3798618.1 CHIG|XP\_018153913.1 CVIN|KAF4930144.1 CVYL|A04827 FGRM|XP\_011324692.1 MGRA|XP\_003848507.1 MORY|QBZ60788.1 NCRA|XP\_959886.2 SSCL|APA14312.1

>Orthogroup5605: ANID|CBF76292.1 BCIN|XP\_024547316.1 BGRA|VDB88947.1 CFRU|XP\_031892047.1 CHIG|XP\_018164681.1 CVIN|KAF4925682.1 FGRM|XP\_011324679.1 MGRA|XP\_003848384.1 MLAR|XP\_007403772.1 MORY|QBZ62306.1 NCRA|XP\_011395120.1 SSCL|APA14301.1

>Orthogroup5606: ANID|CBF76338.1 BCIN|XP\_024549343.1 BGRA|VCU39071.1 CFRU|XP\_031892775.1 CGLO|KAF3797264.1 CHIG|XP\_018157261.1 CVIN|KAF4920684.1 FGRM|XP\_011320015.1 MGRA|XP\_003856076.1 MORY|QBZ66011.1 NCRA|XP\_964246.2 SSCL|APA15823.1

>Orthogroup5607: ANID|CBF76340.1 BCIN|XP\_001557539.2 CFRU|XP\_031882521.1 CGLO|KAF3807557.1 CHIG|XP\_018156379.1 CVIN|KAF4928913.1 CVYL|A02927 FGRM|XP\_011318941.1 MGRA|XP\_003857574.1 MORY|QBZ58982.1 NCRA|XP\_001728315.2 SSCL|APA12360.1

>Orthogroup5608: ANID|CBF76352.1 BCIN|XP\_001550992.1 BGRA|VDB86362.1 CFRU|XP\_031890642.1 CHIG|XP\_018164422.1 CVIN|KAF4919406.1 CVYL|A12131 FGRM|XP\_011316202.1 MGRA|XP\_003855884.1 MORY|QBZ56458.1 NCRA|XP\_964454.1 SSCL|APA07063.1

>Orthogroup5609: ANID|CBF76354.1 BCIN|XP\_024551568.1 BGRA|VDB92461.1 CFRU|XP\_031890752.1 CGLO|KAF3801673.1 CHIG|XP\_018151451.1 CVIN|KAF4897545.1 MGRA|XP\_003854948.1 MLAR|XP\_007417693.1 MORY|QBZ62193.1 NCRA|XP\_960334.2 SSCL|APA14887.1

>Orthogroup5610: ANID|CBF76376.1 BCIN|XP\_024551564.1 BGRA|VDB95056.1 CFRU|XP\_031890709.1 CHIG|XP\_018151346.1 CVIN|KAF4922727.1 CVYL|A12546 FGRM|XP\_011320342.1 MGRA|XP\_003855725.1 MORY|QBZ55752.1 NCRA|XP\_960225.2 SSCL|APA14911.1

>Orthogroup5611: ANID|CBF76392.1 BCIN|XP\_001558541.1 BGRA|VDB95073.1 CFRU|XP\_031890845.1 CGLO|KAF3801618.1 CHIG|XP\_018151380.1 CVIN|KAF4922718.1 CVYL|A12518 FGRM|XP\_011328201.1 MORY|QBZ53876.1 NCRA|XP\_960377.1 SSCL|APA14666.1

>Orthogroup5612: ANID|CBF76423.1 BCIN|XP\_024551565.1 CFRU|XP\_031890759.1 CGLO|KAF3801668.1 CHIG|XP\_018151446.1 CVIN|KAF4921206.1 CVYL|A12467 FGRM|XP\_011328499.1 MGRA|XP\_003855759.1 MORY|QBZ62159.1 NCRA|XP\_957554.2 SSCL|APA14892.1

>Orthogroup5613: ANID|CBF76457.1 BCIN|XP\_024551800.1 CFRU|XP\_031890826.1 CGLO|KAF3801605.1 CHIG|XP\_018151369.1 CVIN|KAF4922690.1 CVYL|A12531 FGRM|XP\_011328211.1 MGRA|XP\_003854802.1 MORY|QBZ53872.1 NCRA|XP\_960290.1 SSCL|APA14657.1

>Orthogroup5614: ANID|CBF76496.1 BCIN|XP\_024551525.1 BGRA|VCU41095.1 CFRU|XP\_031886724.1 CGLO|KAF3804082.1 CHIG|XP\_018162688.1 CVIN|KAF4919548.1 CVYL|A07041 FGRM|XP\_011326366.1 MGRA|XP\_003852662.1 NCRA|XP\_956382.1 SSCL|APA10217.1

>Orthogroup5615: ANID|CBF76509.1 BCIN|XP\_024551205.1 CFRU|XP\_031893420.1 CHIG|XP\_018152434.1 CVIN|KAF4916857.1 CVYL|A09525 FGRM|XP\_011317955.1 MGRA|XP\_003852129.1 MLAR|XP\_007418530.1 MORY|QBZ54060.1 NCRA|XP\_961266.1 SSCL|APA10340.1

>Orthogroup5616: ANID|CBF76517.1 BCIN|XP\_024551224.1 BGRA|VCU39765.1 CFRU|XP\_031893339.1 CGLO|KAF3808019.1 CHIG|XP\_018152362.1 CVIN|KAF4909490.1 CVYL|A09464 MGRA|XP\_003853093.1 MORY|QBZ58089.1 NCRA|XP\_961375.1 SSCL|APA10118.1

>Orthogroup5617: ANID|CBF76527.1 BCIN|XP\_024550252.1 BGRA|VDB87604.1 CFRU|XP\_031892301.1 CGLO|KAF3797180.1 CHIG|XP\_018157325.1 CVIN|KAF4920824.1 CVYL|A10515 FGRM|XP\_011319935.1 MORY|QBZ66050.1 NCRA|XP\_964257.2 SSCL|APA10933.1

>Orthogroup5618: ANID|CBF76530.1 BCIN|XP\_001547593.1 BGRA|VDB88960.1 CFRU|XP\_031882035.1 CGLO|KAF3806094.1 CHIG|XP\_018164578.1 CVIN|KAF4891224.1 CVYL|A07418 FGRM|XP\_011324944.1 MLAR|XP\_007409483.1 NCRA|XP\_959921.1 SSCL|APA14352.1

>Orthogroup5619: ANID|CBF76548.1 BCIN|XP\_024547231.1 CFRU|XP\_031891956.1 CGLO|KAF3805588.1 CHIG|XP\_018164716.1 CVIN|KAF4900690.1 CVYL|A07613 FGRM|XP\_011324981.1 MGRA|XP\_003848286.1 MORY|QBZ62322.1 NCRA|XP\_011395112.1 SSCL|APA14164.1

>Orthogroup5620: ANID|CBF76563.1 BCIN|XP\_001550557.1 BGRA|VDB89080.1 CFRU|XP\_031882062.1 CHIG|XP\_018164486.1 CVIN|KAF4911592.1 CVYL|A07335 FGRM|XP\_011325030.1 MGRA|XP\_003848314.1 MORY|QBZ60587.1 NCRA|XP\_011395173.1 SSCL|APA14178.1

>Orthogroup5621: ANID|CBF76565.1 BCIN|XP\_024547234.1 CFRU|XP\_031882063.1 CGLO|KAF3797866.1 CHIG|XP\_018164487.1 CVIN|KAF4911591.1 CVYL|A07336 FGRM|XP\_011325031.1 MGRA|XP\_003848678.1 MORY|QBZ60589.1 NCRA|XP\_959597.3 SSCL|APA14177.1

>Orthogroup5622: ANID|CBF76569.1 BCIN|XP\_024547201.1 CFRU|XP\_031881964.1 CGLO|KAF3806036.1 CHIG|XP\_018164632.1 CVIN|KAF4917829.1 CVYL|A07471 FGRM|XP\_011325015.1 MGRA|XP\_003848721.1 MORY|QBZ62357.1 NCRA|XP\_011395238.1 SSCL|APA14128.1

>Orthogroup5623: ANID|CBF76603.1 BCIN|XP\_001559693.1 BGRA|VCU40247.1 CFRU|XP\_031890631.1 CGLO|KAF3805285.1 CHIG|XP\_018158605.1 CVIN|KAF4926004.1 CVYL|A13937 FGRM|XP\_011316637.1 MORY|QBZ60505.1 NCRA|XP\_965694.1 SSCL|APA09443.1

>Orthogroup5624: ANID|CBF76623.1 BGRA|VCU38968.1 CFRU|XP\_031875877.1 CGLO|KAF3802675.1 CHIG|XP\_018159157.1 CVIN|KAF4920425.1 CVYL|A08026 FGRM|XP\_011321468.1 MGRA|XP\_003854341.1 MLAR|XP\_007415741.1 MORY|QBZ61729.1 NCRA|XP\_961153.3

>Orthogroup5625: ANID|CBF76629.1 BCIN|XP\_001559219.2 BGRA|VCU38841.1 CFRU|XP\_031880385.1 CGLO|KAF3807285.1 CHIG|XP\_018156957.1 CVIN|KAF4928181.1 CVYL|A10765 FGRM|XP\_011320161.1 MGRA|XP\_003847791.1 NCRA|XP\_011393103.1 SSCL|APA15814.1

>Orthogroup5626: ANID|CBF76662.1 BCIN|XP\_001560375.2 CFRU|XP\_031892674.1 CGLO|KAF3797272.1 CHIG|XP\_018157280.1 CVIN|KAF4920693.1 CVYL|A10419 FGRM|XP\_011319913.1 MGRA|XP\_003847753.1 MORY|QBZ56386.1 NCRA|XP\_965631.1 SSCL|APA08793.1

>Orthogroup5627: ANID|CBF76668.1 BCIN|XP\_024549359.1 BGRA|VCU39127.1 CFRU|XP\_031892318.1 CGLO|KAF3797274.1 CHIG|XP\_018157278.1 CVIN|KAF4889563.1 CVYL|A10416 FGRM|XP\_011319914.1 MORY|QBZ66044.1 NCRA|XP\_964917.1 SSCL|APA15764.1

>Orthogroup5628: ANID|CBF76670.1 BCIN|XP\_024549357.1 BGRA|VCU39135.1 CFRU|XP\_031891554.1 CGLO|KAF3797375.1 CHIG|XP\_018157135.1 CVIN|KAF4929326.1 CVYL|A10314 FGRM|XP\_011320103.1 MORY|QBZ65901.1 NCRA|XP\_965831.1 SSCL|APA15767.1

>Orthogroup5629: ANID|CBF76676.1 BCIN|XP\_024549345.1 BGRA|VDB90344.1 CFRU|XP\_031880402.1 CHIG|XP\_018156922.1 CVIN|KAF4928140.1 CVYL|A10730 FGRM|XP\_011328325.1 MGRA|XP\_003847707.1 MORY|QBZ65956.1 NCRA|XP\_964646.2 SSCL|APA15790.1

>Orthogroup5630: ANID|CBF76737.1 BCIN|XP\_001560371.2 CFRU|XP\_031877722.1 CGLO|KAF3797314.1 CHIG|XP\_018157196.1 CVIN|KAF4893352.1 CVYL|A10381 FGRM|XP\_011319989.1 MGRA|XP\_003847703.1 MORY|QBZ60387.1 NCRA|XP\_964297.1 SSCL|APA08795.1

>Orthogroup5631: ANID|CBF76741.1 BCIN|XP\_001547246.2 BGRA|VCU38945.1 BGRA|VCU39975.1 CFRU|XP\_031893466.1 CGLO|KAF3809585.1 CHIG|XP\_018159393.1 CVIN|KAF4919203.1 FGRM|XP\_011320516.1 FGRM|XP\_011322319.1 MLAR|XP\_007413346.1 SSCL|APA07376.1

>Orthogroup5632: ANID|CBF76745.1 BCIN|XP\_024545956.1 BGRA|VCU38936.1 CFRU|XP\_031887889.1 CGLO|KAF3802158.1 CHIG|XP\_018154282.1 CVIN|KAF4907207.1 CVYL|A03234 FGRM|XP\_011320261.1 MORY|QBZ65759.1 NCRA|XP\_964338.2 SSCL|APA07386.1

>Orthogroup5633: ANID|CBF76759.1 BCIN|XP\_024546066.1 BGRA|VCU39093.1 CHIG|XP\_018154404.1 CVIN|KAF4924421.1 CVYL|A10696 FGRM|XP\_011319763.1 MGRA|XP\_003847830.1 MLAR|XP\_007411559.1 MORY|QBZ65762.1 NCRA|XP\_965545.1 SSCL|APA07244.1

>Orthogroup5634: ANID|CBF76776.1 BCIN|XP\_024546033.1 BGRA|VCU39074.1 CFRU|XP\_031892774.1 CGLO|KAF3797263.1 CHIG|XP\_018157259.1 CVIN|KAF4920685.1 CVYL|A10430 FGRM|XP\_011320016.1 MORY|QBZ66012.1 NCRA|XP\_964248.3 SSCL|APA07291.1

>Orthogroup5635: ANID|CBF76792.1 BCIN|XP\_024549315.1 BGRA|VCU39062.1 CFRU|XP\_031881693.1 CHIG|XP\_018156723.1 CVIN|KAF4917770.1 CVYL|A11033 FGRM|XP\_011315782.1 MLAR|XP\_007408939.1 MORY|QBZ65357.1 NCRA|XP\_965740.1 SSCL|APA08936.1

>Orthogroup5636: ANID|CBF76812.1 BCIN|XP\_001553010.2 CFRU|XP\_031880136.1 CFRU|XP\_031880952.1 CGLO|KAF3806861.1 CHIG|XP\_018159548.1 CVIN|KAF4900569.1 CVYL|A02507 MGRA|XP\_003847636.1 MLAR|XP\_007417263.1 NCRA|XP\_962460.1 SSCL|APA11233.1

>Orthogroup5637: ANID|CBF76820.1 BCIN|XP\_001548999.1 BGRA|VDB93304.1 CFRU|XP\_031892395.1 CGLO|KAF3807208.1 CHIG|XP\_018157014.1 CVIN|KAF4928193.1 CVYL|A10688 FGRM|XP\_011320229.1 MORY|QBZ60443.1 NCRA|XP\_964869.1 SSCL|APA06998.1

>Orthogroup5638: ANID|CBF76826.1 BCIN|XP\_001560252.1 BGRA|VDB86327.1 CFRU|XP\_031880436.1 CGLO|KAF3807306.1 CHIG|XP\_018156980.1 CVIN|KAF4918073.1 CVYL|A10792 FGRM|XP\_011328327.1 MORY|QBZ65691.1 NCRA|XP\_964723.1 SSCL|APA15946.1

>Orthogroup5639: ANID|CBF76830.1 BCIN|XP\_001545690.1 BGRA|VDB93613.1 CFRU|XP\_031876928.1 CGLO|KAF3810715.1 CHIG|XP\_018162567.1 CVIN|KAF4908238.1 CVYL|A07238 FGRM|XP\_011323987.1 MORY|QBZ61573.1 NCRA|XP\_001728198.1 SSCL|APA14942.1

>Orthogroup5640: ANID|CBF76844.1 BCIN|XP\_001546448.2 CFRU|XP\_031888118.1 CGLO|KAF3802302.1 CHIG|XP\_018154406.1 CVYL|A10707 FGRM|XP\_011319762.1 MGRA|XP\_003847582.1 MLAR|XP\_007403661.1 MORY|QBZ65764.1 NCRA|XP\_965544.1 SSCL|APA07247.1

>Orthogroup5641: ANID|CBF76860.1 BCIN|XP\_024546043.1 BGRA|VCU38854.1 CFRU|XP\_031888025.1 CGLO|KAF3802235.1 CHIG|XP\_018154342.1 CVIN|KAF4914856.1 CVYL|A03164 FGRM|XP\_011319849.1 MGRA|XP\_003847612.1 NCRA|XP\_964512.2 SSCL|APA07278.1

>Orthogroup5642: ANID|CBF76864.1 BCIN|XP\_024546046.1 BGRA|VCU38856.1 CFRU|XP\_031888023.1 CGLO|KAF3802237.1 CHIG|XP\_018154344.1 CVIN|KAF4914847.1 CVYL|A03162 FGRM|XP\_011319853.1 MORY|QBZ66027.1 NCRA|XP\_964520.2 SSCL|APA07276.1

>Orthogroup5643: ANID|CBF76876.1 BCIN|XP\_024546054.1 BGRA|VCU39028.1 CFRU|XP\_031887857.1 CHIG|XP\_018154305.1 CVIN|KAF4922767.1 CVYL|A03213 FGRM|XP\_011319822.1 MGRA|XP\_003847649.1 MORY|QBZ60381.1 NCRA|XP\_011392921.1 SSCL|APA07265.1

>Orthogroup5644: ANID|CBF76885.1 BCIN|XP\_024546051.1 CFRU|XP\_031887931.1 CGLO|KAF3802222.1 CHIG|XP\_018154326.1 CVIN|KAF4914854.1 CVYL|A03179 FGRM|XP\_011320105.1 MLAR|XP\_007417461.1 MORY|QBZ65891.1 NCRA|XP\_011392867.1 SSCL|APA07268.1

>Orthogroup5645: ANID|CBF76897.1 BCIN|XP\_024546059.1 CFRU|XP\_031888201.1 CGLO|KAF3802266.1 CHIG|XP\_018154369.1 CVIN|KAF4924404.1 CVYL|A10263 FGRM|XP\_011319818.1 MGRA|XP\_003847597.1 MORY|QBZ65721.1 NCRA|XP\_011392911.1 SSCL|APA07259.1

>Orthogroup5646: ANID|CBF76903.1 BCIN|XP\_024546841.1 BGRA|VCU40540.1 CFRU|XP\_031888909.1 CGLO|KAF3804201.1 CHIG|XP\_018160014.1 CVIN|KAF4909764.1 CVYL|A03876 FGRM|XP\_011324769.1 MORY|QBZ58118.1 NCRA|XP\_961161.1 SSCL|APA06044.1

>Orthogroup5647: ANID|CBF76908.1 BCIN|XP\_001557983.1 CFRU|XP\_031893255.1 CGLO|KAF3800826.1 CHIG|XP\_018150883.1 CVIN|KAF4922497.1 CVYL|A08723 FGRM|XP\_011328046.1 MLAR|XP\_007411328.1 MORY|QBZ64182.1 NCRA|XP\_962249.3 SSCL|APA12686.1

>Orthogroup5648: ANID|CBF76934.1 BCIN|XP\_024550396.1 BGRA|VDB85798.1 CFRU|XP\_031880457.1 CGLO|KAF3807272.1 CHIG|XP\_018156946.1 CVYL|A10755 FGRM|XP\_011320002.1 MGRA|XP\_003854294.1 MORY|QBZ65910.1 NCRA|XP\_965822.3 SSCL|APA11092.1

>Orthogroup5649: ANID|CBF76945.1 BCIN|XP\_024550655.1 BGRA|VCU39944.1 CFRU|XP\_031889195.1 CGLO|KAF3808767.1 CHIG|XP\_018155671.1 CVIN|KAF4906986.1 CVYL|A00896 FGRM|XP\_011318980.1 MORY|QBZ54556.1 NCRA|XP\_001728219.1 SSCL|APA11484.1

>Orthogroup5650: ANID|CBF76977.1 BCIN|XP\_024550398.1 CFRU|XP\_031888100.1 CGLO|KAF3802285.1 CHIG|XP\_018154384.1 CVIN|KAF4924388.1 CVYL|A10496 FGRM|XP\_011319786.1 MGRA|XP\_003854190.1 MORY|QBZ65786.1 NCRA|XP\_964119.2 SSCL|APA11093.1

>Orthogroup5651: ANID|CBF77002.1 BCIN|XP\_024550331.1 CFRU|XP\_031892523.1 CGLO|KAF3797245.1 CHIG|XP\_018157240.1 CVIN|KAF4920709.1 CVYL|A10448 FGRM|XP\_011319899.1 MGRA|XP\_003853686.1 MORY|QBZ66034.1 NCRA|XP\_964526.3 SSCL|APA11004.1

>Orthogroup5652: ANID|CBF77020.1 BCIN|XP\_001552359.1 CFRU|XP\_031892345.1 CGLO|KAF3797169.1 CHIG|XP\_018157335.1 CVIN|KAF4918856.1 CVYL|A10526 FGRM|XP\_011328272.1 MGRA|XP\_003853871.1 MORY|QBZ66136.1 NCRA|XP\_965767.1 SSCL|APA11181.1

>Orthogroup5653: ANID|CBF77047.1 BCIN|XP\_024550448.1 BGRA|VDB84183.1 CFRU|XP\_031888009.1 CGLO|KAF3802316.1 CHIG|XP\_018154419.1 CVIN|KAF4891973.1 CVYL|A10851 FGRM|XP\_011319747.1 MORY|QBZ65823.1 NCRA|XP\_965528.2 SSCL|APA11150.1

>Orthogroup5654: ANID|CBF77049.1 BCIN|XP\_001553997.1 CFRU|XP\_031881595.1 CGLO|KAF3807387.1 CHIG|XP\_018156840.1 CVIN|KAF4929606.1 CVYL|A10880 FGRM|XP\_011328316.1 MGRA|XP\_003854295.1 MORY|QBZ65876.1 NCRA|XP\_965748.1 SSCL|APA11099.1

>Orthogroup5655: ANID|CBF77073.1 BCIN|XP\_001548590.1 CFRU|XP\_031880237.1 CGLO|KAF3808974.1 CHIG|XP\_018155830.1 CVIN|KAF4920860.1 CVYL|A01617 FGRM|XP\_011319209.1 MGRA|XP\_003856141.1 MORY|QBZ54206.1 NCRA|XP\_960852.1 SSCL|APA11744.1

>Orthogroup5656: ANID|CBF77077.1 BCIN|XP\_024550713.1 CFRU|XP\_031882487.1 CGLO|KAF3807556.1 CHIG|XP\_018156380.1 CVIN|KAF4928914.1 CVYL|A02928 FGRM|XP\_011318942.1 MGRA|XP\_003853390.1 MORY|QBZ59027.1 NCRA|XP\_960708.1 SSCL|APA11553.1

>Orthogroup5657: ANID|CBF77098.1 BCIN|XP\_001547165.1 BGRA|VDB84030.1 CFRU|XP\_031880360.1 CGLO|KAF3807341.1 CHIG|XP\_018156904.1 CVIN|KAF4920049.1 CVYL|A10814 FGRM|XP\_011325069.1 MGRA|XP\_003851061.1 MORY|QBZ65865.1 SSCL|APA08924.1

>Orthogroup5658: ANID|CBF77108.1 BCIN|XP\_001545212.1 BGRA|VCU39059.1 CFRU|XP\_031881665.1 CGLO|KAF3807434.1 CHIG|XP\_018156800.1 CVIN|KAF4918543.1 CVYL|A10937 FGRM|XP\_011328310.1 MORY|QBZ66199.1 NCRA|XP\_001728059.2 SSCL|APA15726.1

>Orthogroup5659: ANID|CBF77116.1 BCIN|XP\_001549883.1 BCIN|XP\_001557906.1 BCIN|XP\_024548729.1 BCIN|XP\_024551229.1 BCIN|XP\_024553470.1 MGRA|XP\_003852230.1 SSCL|APA08231.1 SSCL|APA10110.1 SSCL|APA10959.1 SSCL|APA12772.1 SSCL|APA13822.1

>Orthogroup5660: ANID|CBF77137.1 BCIN|XP\_024547163.1 BGRA|VDB88698.1 CFRU|XP\_031879678.1 CGLO|KAF3798169.1 CHIG|XP\_018154079.1 CVIN|KAF4919111.1 CVYL|A04949 FGRM|XP\_011325581.1 MLAR|XP\_007415762.1 NCRA|XP\_011395134.1 SSCL|APA14075.1

>Orthogroup5661: ANID|CBF77165.1 CFRU|XP\_031880343.1 CFRU|XP\_031891142.1 CGLO|KAF3804624.1 CGLO|KAF3804625.1 CGLO|KAF3807321.1 CVIN|KAF4918104.1 CVIN|KAF4919081.1 CVYL|A05259 CVYL|A10806 FGRM|XP\_011322624.1 MLAR|XP\_007419225.1

>Orthogroup5662: ANID|CBF77173.1 BCIN|XP\_024547362.1 BGRA|VDB88884.1 CFRU|XP\_031881919.1 CGLO|KAF3806084.1 CHIG|XP\_018164590.1 CVIN|KAF4909963.1 CVYL|A07428 FGRM|XP\_011315991.1 MORY|QBZ60883.1 NCRA|XP\_959495.1 SSCL|APA14363.1

>Orthogroup5663: ANID|CBF77177.1 BCIN|XP\_024549552.1 BGRA|VDB88900.1 CFRU|XP\_031891667.1 CGLO|KAF3805601.1 CHIG|XP\_018164706.1 CVIN|KAF4890024.1 CVYL|A07593 FGRM|XP\_011325635.1 MORY|QBZ62290.1 NCRA|XP\_959903.3 SSCL|APA13911.1

>Orthogroup5664: ANID|CBF77181.1 BCIN|XP\_024547204.1 BGRA|VDB88983.1 CFRU|XP\_031877349.1 CHIG|XP\_018153805.1 CVIN|KAF4921744.1 CVYL|A09631 FGRM|XP\_011325429.1 MLAR|XP\_007404837.1 MORY|QBZ60787.1 NCRA|XP\_958566.2 SSCL|APA14132.1

>Orthogroup5665: ANID|CBF77207.1 BCIN|XP\_001547830.1 CFRU|XP\_031887258.1 CGLO|KAF3809268.1 CHIG|XP\_018156103.1 CVIN|KAF4907388.1 CVYL|A01461 FGRM|XP\_011319318.1 MLAR|XP\_007406987.1 MORY|QBZ56929.1 NCRA|XP\_955864.3 SSCL|APA11559.1

>Orthogroup5666: ANID|CBF77220.1 BCIN|XP\_024547248.1 CFRU|XP\_031877617.1 CGLO|KAF3801092.1 CHIG|XP\_018153743.1 CVIN|KAF4909543.1 CVYL|A11303 FGRM|XP\_011328755.1 MGRA|XP\_003851480.1 MORY|QBZ60599.1 NCRA|XP\_011395154.1 SSCL|APA14195.1

>Orthogroup5667: ANID|CBF77232.1 BCIN|XP\_001547835.1 BGRA|VCU40857.1 CFRU|XP\_031887367.1 CGLO|KAF3809334.1 CHIG|XP\_018156174.1 CVIN|KAF4924172.1 CVYL|A01538 FGRM|XP\_011318846.1 MORY|QBZ56665.1 NCRA|XP\_960967.1 SSCL|APA11554.1

>Orthogroup5668: ANID|CBF77236.1 BCIN|XP\_001547852.2 BGRA|VCU40883.1 CFRU|XP\_031887321.1 CGLO|KAF3809302.1 CHIG|XP\_018156135.1 CVIN|KAF4911361.1 CVYL|A01498 FGRM|XP\_011318824.1 MORY|QBZ62229.1 NCRA|XP\_957596.1 SSCL|APA11544.1

>Orthogroup5669: ANID|CBF77252.1 BCIN|XP\_024549167.1 CFRU|XP\_031892799.1 CHIG|XP\_018157246.1 CVIN|KAF4920698.1 CVYL|A10443 FGRM|XP\_011320028.1 MGRA|XP\_003847571.1 MLAR|XP\_007415294.1 MORY|QBZ66162.1 NCRA|XP\_011392923.1 SSCL|APA08773.1

>Orthogroup5670: ANID|CBF77260.1 ANID|CBF81108.1 BCIN|XP\_001559268.1 CFRU|XP\_031886962.1 CGLO|KAF3811305.1 CHIG|XP\_018160529.1 CVIN|KAF4927204.1 CVYL|A04483 FGRM|XP\_011326463.1 MORY|QBZ58011.1 NCRA|XP\_956755.2 SSCL|APA07846.1

>Orthogroup5671: ANID|CBF77275.1 BCIN|XP\_001560495.2 BGRA|VDB86070.1 CFRU|XP\_031877732.1 CGLO|KAF3797338.1 CHIG|XP\_018159053.1 CVIN|KAF4917667.1 CVYL|A10354 FGRM|XP\_011321033.1 MORY|QBZ65862.1 NCRA|XP\_964741.1 SSCL|APA15735.1

>Orthogroup5672: ANID|CBF77277.1 BCIN|XP\_024549163.1 BGRA|VDB86117.1 CFRU|XP\_031880347.1 CGLO|KAF3807293.1 CHIG|XP\_018156963.1 CVIN|KAF4918086.1 CVYL|A10778 FGRM|XP\_011328175.1 MORY|QBZ65668.1 NCRA|XP\_964579.2 SSCL|APA08777.1

>Orthogroup5673: ANID|CBF77285.1 BCIN|XP\_001548060.2 BGRA|VDB88678.1 CFRU|XP\_031886776.1 CGLO|KAF3804122.1 CHIG|XP\_018162624.1 CVIN|KAF4932117.1 CVYL|A07088 FGRM|XP\_011326654.1 MORY|QBZ59587.1 NCRA|XP\_962857.2 SSCL|APA10523.1

>Orthogroup5674: ANID|CBF77298.1 BCIN|XP\_001548053.1 CFRU|XP\_031886771.1 CGLO|KAF3801236.1 CHIG|XP\_018162619.1 CVIN|KAF4932122.1 CVYL|A07093 FGRM|XP\_011326660.1 MGRA|XP\_003852026.1 MORY|QBZ59586.1 NCRA|XP\_011394034.1 SSCL|APA10521.1

>Orthogroup5675: ANID|CBF77330.1 BCIN|XP\_001554609.1 BGRA|VDB94859.1 CFRU|XP\_031877381.1 CGLO|KAF3805331.1 CHIG|XP\_018162020.1 CVIN|KAF4931503.1 CVYL|A11727 FGRM|XP\_011318475.1 MORY|QBZ59618.1 NCRA|XP\_962955.3 SSCL|APA11066.1

>Orthogroup5676: ANID|CBF77337.1 BCIN|XP\_001560060.2 BGRA|VDB83884.1 BGRA|VDB83885.1 CFRU|XP\_031884512.1 CGLO|KAF3799676.1 CHIG|XP\_018158266.1 CVIN|KAF4895365.1 FGRM|XP\_011316507.1 MORY|QBZ56711.1 NCRA|XP\_964842.1 SSCL|APA09913.1

>Orthogroup5677: ANID|CBF77341.1 BCIN|XP\_001559937.1 CFRU|XP\_031884515.1 CGLO|KAF3799677.1 CHIG|XP\_018158269.1 CVIN|KAF4919994.1 CVYL|A05841 FGRM|XP\_011316509.1 MGRA|XP\_003857717.1 MORY|QBZ56717.1 NCRA|XP\_011393217.1 SSCL|APA09766.1

>Orthogroup5678: ANID|CBF77364.1 BCIN|XP\_024548688.1 BGRA|VDB83887.1 CFRU|XP\_031890099.1 CGLO|KAF3810389.1 CHIG|XP\_018158380.1 CVYL|A05724 FGRM|XP\_011316530.1 MGRA|XP\_003855920.1 MORY|QBZ65071.1 NCRA|XP\_011393223.1 SSCL|APA09910.1

>Orthogroup5679: ANID|CBF77375.1 BCIN|XP\_024549002.1 BGRA|VDB93256.1 CFRU|XP\_031886803.1 CGLO|KAF3807485.1 CHIG|XP\_018158750.1 CVIN|KAF4907614.1 CVYL|A05007 FGRM|XP\_011315942.1 MORY|QBZ60419.1 NCRA|XP\_965315.3 SSCL|APA09318.1

>Orthogroup5680: ANID|CBF77392.1 BCIN|XP\_001545155.2 BGRA|VCU40255.1 CFRU|XP\_031884506.1 CGLO|KAF3799069.1 CHIG|XP\_018158189.1 CVIN|KAF4918242.1 CVYL|A11461 FGRM|XP\_011323350.1 MORY|QBZ64473.1 NCRA|XP\_965622.2 SSCL|APA09541.1

>Orthogroup5681: ANID|CBF77414.1 BCIN|XP\_024550934.1 BGRA|VCU40927.1 CFRU|XP\_031887295.1 CGLO|KAF3809212.1 CHIG|XP\_018156026.1 CVIN|KAF4925286.1 CVYL|A01401 FGRM|XP\_011319075.1 MORY|QBZ57082.1 NCRA|XP\_961435.2 SSCL|APA11727.1

>Orthogroup5682: ANID|CBF77450.1 BCIN|XP\_024548765.1 CFRU|XP\_031882178.1 CGLO|KAF3804438.1 CHIG|XP\_018160261.1 CVIN|KAF4930962.1 CVYL|A04145 FGRM|XP\_011324516.1 MGRA|XP\_003850778.1 MORY|QBZ54432.1 NCRA|XP\_961365.1 SSCL|APA09717.1

>Orthogroup5683: ANID|CBF77463.1 BCIN|XP\_024548757.1 BGRA|VCU40018.1 CFRU|XP\_031880645.1 CHIG|XP\_018160366.1 CVIN|KAF4931253.1 CVYL|A04293 FGRM|XP\_011327064.1 MLAR|XP\_007413286.1 MORY|QBZ57736.1 NCRA|XP\_960714.1 SSCL|APA09731.1

>Orthogroup5684: ANID|CBF77465.1 BCIN|XP\_024548601.1 BGRA|VCU39574.1 CFRU|XP\_031877217.1 CHIG|XP\_018162316.1 CVIN|KAF4918048.1 CVYL|A12026 FGRM|XP\_011324137.1 MGRA|XP\_003851175.1 MORY|QBZ61383.1 NCRA|XP\_963130.1 SSCL|APA09808.1

>Orthogroup5685: ANID|CBF77481.1 BCIN|XP\_024548550.1 BGRA|VCU39571.1 CFRU|XP\_031880644.1 CGLO|KAF3811137.1 CVIN|KAF4931255.1 CVYL|A04295 FGRM|XP\_011326455.1 MLAR|XP\_007407534.1 MORY|QBZ57104.1 NCRA|XP\_011394519.1 SSCL|APA10077.1

>Orthogroup5686: ANID|CBF77578.1 BCIN|XP\_024548196.1 BGRA|VCU40726.1 CGLO|KAF3800188.1 CHIG|XP\_018155104.1 CVIN|KAF4897009.1 CVYL|A06100 FGRM|XP\_011317480.1 MGRA|XP\_003848097.1 MORY|QBZ64821.1 NCRA|XP\_956449.1 SSCL|APA12449.1

>Orthogroup5687: ANID|CBF77649.1 BCIN|XP\_024550635.1 BGRA|VDB89165.1 CFRU|XP\_031887305.1 CGLO|KAF3809239.1 CHIG|XP\_018156072.1 CVIN|KAF4925295.1 CVYL|A01429 FGRM|XP\_011318952.1 MORY|QBZ56661.1 NCRA|XP\_960956.1 SSCL|APA11452.1

>Orthogroup5688: ANID|CBF77651.1 BCIN|XP\_024547653.1 BGRA|VCU38755.1 CFRU|XP\_031887084.1 CGLO|KAF3811437.1 CHIG|XP\_018160679.1 CVIN|KAF4917851.1 CVYL|A04636 FGRM|XP\_011327153.1 MORY|QBZ56129.1 NCRA|XP\_961610.2 SSCL|APA07744.1

>Orthogroup5689: ANID|CBF77653.1 BCIN|XP\_001547803.1 CFRU|XP\_031886872.1 CGLO|KAF3811419.1 CHIG|XP\_018160658.1 CVIN|KAF4919692.1 CVYL|A04616 FGRM|XP\_011326894.1 MGRA|XP\_003848013.1 MORY|QBZ56898.1 NCRA|XP\_961561.1 SSCL|APA15438.1

>Orthogroup5690: ANID|CBF77655.1 ANID|CBF83758.1 BCIN|XP\_024547655.1 CFRU|XP\_031886948.1 CGLO|KAF3811342.1 CHIG|XP\_018160596.1 CVIN|KAF4921028.1 CVYL|A04524 FGRM|XP\_011327218.1 MORY|QBZ56131.1 NCRA|XP\_961611.2 SSCL|APA07743.1

>Orthogroup5691: ANID|CBF77662.1 ANID|CBF77680.1 CFRU|XP\_031881839.1 CGLO|KAF3800393.1 CGLO|KAF3809978.1 CHIG|XP\_018157678.1 CHIG|XP\_018157679.1 CVIN|KAF4901600.1 CVYL|A11500 FGRM|XP\_011322666.1 FGRM|XP\_011322667.1 MLAR|XP\_007418086.1

>Orthogroup5692: ANID|CBF77703.1 BCIN|XP\_024550634.1 CFRU|XP\_031887161.1 CGLO|KAF3809241.1 CHIG|XP\_018156073.1 CVIN|KAF4925297.1 CVYL|A01431 FGRM|XP\_011318954.1 MGRA|XP\_003847846.1 MORY|QBZ57387.1 NCRA|XP\_961085.2 SSCL|APA11451.1

>Orthogroup5693: ANID|CBF77713.1 BCIN|XP\_024548472.1 BGRA|VDB93147.1 CFRU|XP\_031885388.1 CGLO|KAF3799442.1 CHIG|XP\_018152320.1 CVIN|KAF4931810.1 CVYL|A13304 FGRM|XP\_011321215.1 MORY|QBZ60340.1 NCRA|XP\_956906.3 SSCL|APA12191.1

>Orthogroup5694: ANID|CBF77730.1 BCIN|XP\_024548469.1 BGRA|VDB93152.1 CFRU|XP\_031883256.1 CGLO|KAF3800542.1 CHIG|XP\_018152141.1 CVIN|KAF4923796.1 CVYL|A13174 FGRM|XP\_011321217.1 MORY|QBZ60317.1 NCRA|XP\_956903.2 SSCL|APA12183.1

>Orthogroup5695: ANID|CBF77790.1 BCIN|XP\_024552809.1 CFRU|XP\_031883382.1 CGLO|KAF3800516.1 CHIG|XP\_018152173.1 CVIN|KAF4919237.1 CVYL|A13198 FGRM|XP\_011317359.1 MGRA|XP\_003848141.1 MORY|QBZ53924.1 NCRA|XP\_011393521.1 SSCL|APA16028.1

>Orthogroup5696: ANID|CBF77833.1 BCIN|XP\_001555389.1 CFRU|XP\_031887107.1 CGLO|KAF3811467.1 CHIG|XP\_018160714.1 CVIN|KAF4895034.1 FGRM|XP\_011327253.1 MGRA|XP\_003850287.1 MLAR|XP\_007409874.1 MORY|QBZ54253.1 NCRA|XP\_955974.2 SSCL|APA08133.1

>Orthogroup5697: ANID|CBF77842.1 BCIN|XP\_024547831.1 BGRA|VDB84391.1 CFRU|XP\_031887368.1 CHIG|XP\_018156175.1 CVYL|A01537 FGRM|XP\_011321427.1 MGRA|XP\_003849866.1 MLAR|XP\_007410634.1 MORY|QBZ54245.1 NCRA|XP\_955965.3 SSCL|APA08141.1

>Orthogroup5698: ANID|CBF77859.1 BCIN|XP\_024547822.1 CFRU|XP\_031886909.1 CGLO|KAF3811462.1 CHIG|XP\_018160707.1 CVYL|A04666 FGRM|XP\_011327245.1 MLAR|XP\_007413162.1 MLAR|XP\_007414271.1 MORY|QBZ54244.1 NCRA|XP\_955964.3 SSCL|APA08130.1

>Orthogroup5699: ANID|CBF77878.1 BCIN|XP\_024547608.1 BGRA|VDB86158.1 CFRU|XP\_031886459.1 CGLO|KAF3806318.1 CHIG|XP\_018162152.1 CVIN|KAF4923973.1 FGRM|XP\_011324148.1 MGRA|XP\_003850358.1 MORY|QBZ61580.1 NCRA|XP\_962992.2 SSCL|APA07798.1

>Orthogroup5700: ANID|CBF77894.1 BCIN|XP\_001549844.1 BGRA|VDB86195.1 CFRU|XP\_031877757.1 CGLO|KAF3810656.1 CHIG|XP\_018162410.1 CVIN|KAF4911622.1 CVYL|A07306 FGRM|XP\_011318429.1 MORY|QBZ55717.1 NCRA|XP\_963074.2 SSCL|APA08252.1

>Orthogroup5701: ANID|CBF77906.1 BCIN|XP\_001546468.1 BGRA|VDB86189.1 CFRU|XP\_031886855.1 CHIG|XP\_018160639.1 CVIN|KAF4919681.1 FGRM|XP\_011327163.1 MGRA|XP\_003848859.1 MLAR|XP\_007404902.1 MORY|QBZ54281.1 NCRA|XP\_961211.1 SSCL|APA08294.1

>Orthogroup5702: ANID|CBF77951.1 BCIN|XP\_024546907.1 CFRU|XP\_031889063.1 CGLO|KAF3804235.1 CHIG|XP\_018160065.1 CVIN|KAF4930135.1 CVYL|A03908 FGRM|XP\_011324597.1 MGRA|XP\_003849941.1 MORY|QBZ57464.1 NCRA|XP\_960633.1 SSCL|APA05834.1

>Orthogroup5703: ANID|CBF77988.1 BCIN|XP\_024546905.1 BGRA|VCU40662.1 CFRU|XP\_031885065.1 CGLO|KAF3807655.1 CHIG|XP\_018162878.1 CVIN|KAF4927808.1 CVYL|A06664 FGRM|XP\_011326291.1 MORY|QBZ55689.1 NCRA|XP\_011393736.1 SSCL|APA05836.1

>Orthogroup5704: ANID|CBF78026.1 BCIN|XP\_001557001.1 BGRA|VCU41118.1 CFRU|XP\_031886522.1 CGLO|KAF3806353.1 CHIG|XP\_018162240.1 CVIN|KAF4899316.1 CVYL|A11941 FGRM|XP\_011324050.1 MORY|QBZ61600.1 NCRA|XP\_956589.3 SSCL|APA10223.1

>Orthogroup5705: ANID|CBF78050.1 BCIN|XP\_001551197.1 CFRU|XP\_031893354.1 CGLO|KAF3808069.1 CHIG|XP\_018152772.1 CVIN|KAF4922798.1 CVYL|A08164 FGRM|XP\_011324397.1 MGRA|XP\_003854312.1 MORY|QBZ65193.1 NCRA|XP\_960160.2 SSCL|APA13222.1

>Orthogroup5706: ANID|CBF78060.1 BCIN|XP\_024551078.1 BGRA|VDB95321.1 CFRU|XP\_031892470.1 CGLO|KAF3797089.1 CHIG|XP\_018157068.1 CVIN|KAF4911396.1 CVYL|A10620 FGRM|XP\_011320174.1 MLAR|XP\_007416240.1 MORY|QBZ66086.1 NCRA|XP\_965290.1

>Orthogroup5707: ANID|CBF78102.1 BCIN|XP\_001550445.1 CFRU|XP\_031888173.1 CGLO|KAF3802124.1 CHIG|XP\_018154271.1 CVIN|KAF4912407.1 CVYL|A03270 FGRM|XP\_011320187.1 MGRA|XP\_003857456.1 MORY|QBZ66108.1 NCRA|XP\_964998.1 SSCL|APA11674.1

>Orthogroup5708: ANID|CBF78112.1 ANID|CBF89224.1 BCIN|XP\_001549836.1 CFRU|XP\_031879189.1 CGLO|KAF3807108.1 CHIG|XP\_018159759.1 CVIN|KAF4919053.1 CVYL|A06394 FGRM|XP\_011322365.1 MGRA|XP\_003852091.1 MORY|QBZ61990.1 SSCL|APA14442.1

>Orthogroup5709: ANID|CBF78159.1 BCIN|XP\_001545493.1 BGRA|VDB88145.1 CFRU|XP\_031892538.1 CGLO|KAF3797228.1 CHIG|XP\_018157268.1 CVIN|KAF4917679.1 CVYL|A10469 FGRM|XP\_011319919.1 MORY|QBZ66040.1 NCRA|XP\_964887.2 SSCL|APA11766.1

>Orthogroup5710: ANID|CBF78165.1 BCIN|XP\_024551095.1 BGRA|VDB95241.1 CFRU|XP\_031882510.1 CGLO|KAF3807641.1 CHIG|XP\_018156288.1 CVIN|KAF4921408.1 CVYL|A03110 FGRM|XP\_011319829.1 MORY|QBZ60384.1 NCRA|XP\_964344.3 SSCL|APA12043.1

>Orthogroup5711: ANID|CBF78170.1 BCIN|XP\_024550847.1 BGRA|VDB88144.1 CFRU|XP\_031892658.1 CGLO|KAF3797292.1 CHIG|XP\_018157212.1 CVYL|A10402 FGRM|XP\_011320074.1 MGRA|XP\_003852924.1 MORY|QBZ65936.1 NCRA|XP\_011393227.1 SSCL|APA11773.1

>Orthogroup5712: ANID|CBF78187.1 BCIN|XP\_001546373.1 BGRA|VDB88196.1 CFRU|XP\_031877685.1 CHIG|XP\_018157150.1 CVIN|KAF4929377.1 CVYL|A10330 FGRM|XP\_011320089.1 MGRA|XP\_003852833.1 MORY|QBZ65945.1 NCRA|XP\_964622.1 SSCL|APA12027.1

>Orthogroup5713: ANID|CBF78403.1 ANID|CBF83665.1 ANID|CBF86370.1 BCIN|XP\_001557971.1 CFRU|XP\_031883310.1 CGLO|KAF3801752.1 CHIG|XP\_018159274.1 CVIN|KAF4922937.1 CVYL|A12953 FGRM|XP\_011317486.1 MGRA|XP\_003853314.1 SSCL|APA12677.1

>Orthogroup5714: ANID|CBF78532.1 CFRU|XP\_031876884.1 CFRU|XP\_031880181.1 CGLO|KAF3797750.1 CGLO|KAF3799830.1 CHIG|XP\_018151695.1 CHIG|XP\_018153848.1 CVIN|KAF4902671.1 CVIN|KAF4924910.1 CVYL|A09683 CVYL|A11403 FGRM|XP\_011320830.1

>Orthogroup5715: ANID|CBF78546.1 BCIN|XP\_001551963.1 CFRU|XP\_031891535.1 CGLO|KAF3804704.1 CHIG|XP\_018161775.1 CVIN|KAF4923387.1 CVYL|A05419 FGRM|XP\_011321515.1 MGRA|XP\_003855625.1 MORY|QBZ59632.1 NCRA|XP\_011393853.1 SSCL|APA10955.1

>Orthogroup5716: ANID|CBF78559.1 BCIN|XP\_024550289.1 BGRA|VDB94729.1 CFRU|XP\_031891538.1 CHIG|XP\_018161774.1 CVYL|A05420 FGRM|XP\_011321494.1 MGRA|XP\_003855620.1 MLAR|XP\_007416584.1 MORY|QBZ59631.1 NCRA|XP\_956783.3 SSCL|APA10954.1

>Orthogroup5717: ANID|CBF78563.1 BCIN|XP\_024550282.1 BGRA|VDB94727.1 CFRU|XP\_031891277.1 CHIG|XP\_018160375.1 CVIN|KAF4924502.1 CVYL|A04283 FGRM|XP\_011327072.1 MGRA|XP\_003855032.1 MORY|QBZ63426.1 NCRA|XP\_961310.2 SSCL|APA10952.1

>Orthogroup5718: ANID|CBF78581.1 BCIN|XP\_024550596.1 BGRA|VDB94710.1 CFRU|XP\_031886849.1 CGLO|KAF3811454.1 CHIG|XP\_018160698.1 CVIN|KAF4917861.1 CVYL|A04656 FGRM|XP\_011327234.1 MORY|QBZ53835.1 NCRA|XP\_960777.1 SSCL|APA11401.1

>Orthogroup5719: ANID|CBF78660.1 BCIN|XP\_024552436.1 CFRU|XP\_031885215.1 CHIG|XP\_018162781.1 CVIN|KAF4927596.1 CVYL|A06943 FGRM|XP\_011318462.1 MGRA|XP\_003854566.1 MLAR|XP\_007405588.1 MORY|QBZ63879.1 NCRA|XP\_956677.2 SSCL|APA14996.1

>Orthogroup5720: ANID|CBF78678.1 BCIN|XP\_001557162.1 BGRA|VDB93566.1 CFRU|XP\_031885206.1 CGLO|KAF3800352.1 CHIG|XP\_018162841.1 CVIN|KAF4914533.1 CVYL|A07542 FGRM|XP\_011326403.1 MORY|QBZ59527.1 NCRA|XP\_958606.1 SSCL|APA15003.1

>Orthogroup5721: ANID|CBF78684.1 BCIN|XP\_001557164.2 BGRA|VDB93476.1 CFRU|XP\_031885036.1 CGLO|KAF3800357.1 CHIG|XP\_018162846.1 CVIN|KAF4914547.1 CVYL|A07597 FGRM|XP\_011326390.1 MORY|QBZ59532.1 NCRA|XP\_957820.2 SSCL|APA15006.1

>Orthogroup5722: ANID|CBF78688.1 BCIN|XP\_001550776.1 CFRU|XP\_031883216.1 CGLO|KAF3800746.1 CHIG|XP\_018163295.1 CVIN|KAF4919651.1 CVYL|A00458 FGRM|XP\_011326179.1 MLAR|XP\_007410701.1 MORY|QBZ58244.1 NCRA|XP\_011394063.1 SSCL|APA15187.1

>Orthogroup5723: ANID|CBF78695.1 BCIN|XP\_001546054.1 BGRA|VDB93548.1 CFRU|XP\_031885034.1 CGLO|KAF3800355.1 CHIG|XP\_018162844.1 CVIN|KAF4914541.1 CVYL|A07575 MGRA|XP\_003854504.1 MORY|QBZ59529.1 NCRA|XP\_957818.1 SSCL|APA14988.1

>Orthogroup5724: ANID|CBF78697.1 BCIN|XP\_024552429.1 BGRA|VDB93546.1 CFRU|XP\_031885213.1 CGLO|KAF3800354.1 CHIG|XP\_018162843.1 CVIN|KAF4914544.1 CVYL|A07564 MGRA|XP\_003853756.1 MORY|QBZ59530.1 NCRA|XP\_958604.1 SSCL|APA14989.1

>Orthogroup5725: ANID|CBF78723.1 ANID|CBF87741.1 ANID|CBF88293.1 BCIN|XP\_024554045.1 CFRU|XP\_031879491.1 CHIG|XP\_018154734.1 CHIG|XP\_018160168.1 CVIN|KAF4918232.1 CVYL|A13576 MORY|QBZ58306.1 MORY|QBZ61697.1 NCRA|XP\_965608.1

>Orthogroup5726: ANID|CBF78754.1 BCIN|XP\_001551940.2 CFRU|XP\_031891387.1 CGLO|KAF3804717.1 CHIG|XP\_018161798.1 CVIN|KAF4923395.1 CVYL|A05405 FGRM|XP\_011321493.1 MGRA|XP\_003855346.1 MORY|QBZ59676.1 NCRA|XP\_962722.1 SSCL|APA10942.1

>Orthogroup5727: ANID|CBF78767.1 BCIN|XP\_001559328.1 BGRA|VDB94843.1 CFRU|XP\_031891258.1 CHIG|XP\_018161735.1 CVIN|KAF4913908.1 CVYL|A05226 FGRM|XP\_011321545.1 MGRA|XP\_003855439.1 MORY|QBZ59578.1 NCRA|XP\_956694.3 SSCL|APA07868.1

>Orthogroup5728: ANID|CBF78772.1 BCIN|XP\_024547474.1 BGRA|VDB94841.1 CFRU|XP\_031891448.1 CGLO|KAF3804573.1 CHIG|XP\_018161654.1 CVIN|KAF4923074.1 CVYL|A05304 FGRM|XP\_011318695.1 MORY|QBZ59375.1 NCRA|XP\_958428.1 SSCL|APA07649.1

>Orthogroup5729: ANID|CBF78801.1 ANID|CBF84151.1 BCIN|XP\_024550084.1 CFRU|XP\_031881837.1 CGLO|KAF3809979.1 CHIG|XP\_018157694.1 CHIG|XP\_018159784.1 CVIN|KAF4901601.1 CVYL|A11499 FGRM|XP\_011323523.1 MORY|QBZ66423.1 SSCL|APA10750.1

>Orthogroup5730: ANID|CBF78863.1 BCIN|XP\_001546301.1 CFRU|XP\_031884585.1 CGLO|KAF3799773.1 CHIG|XP\_018158224.1 CVIN|KAF4918965.1 CVYL|A11322 FGRM|XP\_011316523.1 MGRA|XP\_003855946.1 MORY|QBZ55910.1 NCRA|XP\_001728477.2 SSCL|APA09825.1

>Orthogroup5731: ANID|CBF78868.1 BCIN|XP\_001549877.1 BGRA|VDB94805.1 CFRU|XP\_031891213.1 CHIG|XP\_018160335.1 CVIN|KAF4924510.1 CVYL|A04221 FGRM|XP\_011328835.1 MLAR|XP\_007413704.1 MORY|QBZ59158.1 NCRA|XP\_960671.3 SSCL|APA08237.1

>Orthogroup5732: ANID|CBF78951.1 BCIN|XP\_001545683.2 BCIN|XP\_024549802.1 CFRU|XP\_031878551.1 CFRU|XP\_031884474.1 CGLO|KAF3796971.1 CGLO|KAF3798477.1 CHIG|XP\_018157721.1 CVIN|KAF4913295.1 CVYL|A05810 MGRA|XP\_003850424.1 SSCL|APA09039.1

>Orthogroup5733: ANID|CBF79055.1 BCIN|XP\_024546431.1 CFRU|XP\_031881585.1 CGLO|KAF3805410.1 CHIG|XP\_018161373.1 CVIN|KAF4917751.1 CVYL|A11057 FGRM|XP\_011322003.1 MGRA|XP\_003847640.1 MLAR|XP\_007406238.1 MLAR|XP\_007413465.1 MLAR|XP\_007414057.1

>Orthogroup5734: ANID|CBF79059.1 CFRU|XP\_031882693.1 CFRU|XP\_031888687.1 CGLO|KAF3799316.1 CGLO|KAF3803877.1 CHIG|XP\_018159932.1 CVIN|KAF4924794.1 CVIN|KAF4925423.1 CVYL|A04097 CVYL|A08923 FGRM|XP\_011317862.1 NCRA|XP\_961178.3

>Orthogroup5735: ANID|CBF79072.1 BCIN|XP\_001555507.1 CFRU|XP\_031877406.1 CGLO|KAF3805333.1 CHIG|XP\_018162017.1 CVIN|KAF4931512.1 CVYL|A11725 FGRM|XP\_011318481.1 MGRA|XP\_003854325.1 MORY|QBZ59621.1 NCRA|XP\_962952.1 SSCL|APA08205.1

>Orthogroup5736: ANID|CBF79101.1 ANID|CBF85173.1 BCIN|XP\_024549654.1 CFRU|XP\_031877137.1 CFRU|XP\_031879735.1 CFRU|XP\_031886655.1 CGLO|KAF3802653.1 CHIG|XP\_018163030.1 CVIN|KAF4932095.1 CVYL|A04930 CVYL|A07141 NCRA|XP\_959991.1

>Orthogroup5737: ANID|CBF79110.1 CFRU|XP\_031885056.1 CFRU|XP\_031889729.1 CGLO|KAF3807704.1 CGLO|KAF3810578.1 CHIG|XP\_018161469.1 CHIG|XP\_018162939.1 CVIN|KAF4914226.1 CVIN|KAF4918867.1 CVYL|A07176 CVYL|A13658 FGRM|XP\_011319246.1

>Orthogroup5738: ANID|CBF79202.1 BCIN|XP\_024552048.1 BGRA|VDB92819.1 CFRU|XP\_031885507.1 CGLO|KAF3798669.1 CHIG|XP\_018157486.1 CVIN|KAF4889607.1 CVYL|A09407 FGRM|XP\_011324197.1 MORY|QBZ58747.1 NCRA|XP\_956146.2 SSCL|APA12816.1

>Orthogroup5739: ANID|CBF79208.1 BCIN|XP\_024553424.1 CFRU|XP\_031882635.1 CGLO|KAF3803956.1 CHIG|XP\_018150988.1 CVIN|KAF4925194.1 CVYL|A08846 FGRM|XP\_011323420.1 MGRA|XP\_003852480.1 MORY|QBZ54794.1 NCRA|XP\_011394193.1 SSCL|APA13741.1

>Orthogroup5740: ANID|CBF79237.1 BCIN|XP\_024552184.1 BGRA|VDB92717.1 CFRU|XP\_031878725.1 CGLO|KAF3798331.1 CHIG|XP\_018151144.1 CVIN|KAF4920293.1 FGRM|XP\_011323765.1 MGRA|XP\_003852285.1 MORY|QBZ56870.1 NCRA|XP\_962351.1 SSCL|APA13098.1

>Orthogroup5741: ANID|CBF79267.1 BCIN|XP\_001549916.2 BGRA|VCU39836.1 CFRU|XP\_031879245.1 CHIG|XP\_018159754.1 CVIN|KAF4919038.1 CVYL|A06388 FGRM|XP\_011320693.1 MGRA|XP\_003853637.1 MORY|QBZ64008.1 NCRA|XP\_011394970.1 SSCL|APA06657.1

>Orthogroup5742: ANID|CBF79301.1 BCIN|XP\_024546471.1 BGRA|VCU40374.1 CFRU|XP\_031880885.1 CGLO|KAF3806887.1 CHIG|XP\_018159569.1 CVIN|KAF4894665.1 CVYL|A02530 FGRM|XP\_011320455.1 MORY|QBZ61864.1 NCRA|XP\_960515.3 SSCL|APA06669.1

>Orthogroup5743: ANID|CBF79305.1 BCIN|XP\_001549924.1 CFRU|XP\_031876408.1 CGLO|KAF3801968.1 CHIG|XP\_018159415.1 CVIN|KAF4919798.1 CVYL|A02403 FGRM|XP\_011320391.1 MGRA|XP\_003854706.1 MORY|QBZ63979.1 NCRA|XP\_960563.1 SSCL|APA06650.1

>Orthogroup5744: ANID|CBF79329.1 BCIN|XP\_001550157.1 BGRA|VDB86007.1 CFRU|XP\_031892430.1 CHIG|XP\_018157104.1 CVIN|KAF4898622.1 CVYL|A10556 FGRM|XP\_011325077.1 MGRA|XP\_003853666.1 MORY|QBZ66132.1 NCRA|XP\_965781.1 SSCL|APA11349.1

>Orthogroup5745: ANID|CBF79369.1 BCIN|XP\_001551730.1 CFRU|XP\_031887208.1 CGLO|KAF3809345.1 CHIG|XP\_018156197.1 CVIN|KAF4924206.1 CVYL|A01550 FGRM|XP\_011318895.1 MGRA|XP\_003851871.1 MORY|QBZ63098.1 NCRA|XP\_957380.3 SSCL|APA11931.1

>Orthogroup5746: ANID|CBF79386.1 BCIN|XP\_024550823.1 BGRA|VDB93203.1 CHIG|XP\_018156176.1 CVIN|KAF4924171.1 CVYL|A01536 FGRM|XP\_011318958.1 MGRA|XP\_003851672.1 MLAR|XP\_007408547.1 MORY|QBZ59195.1 NCRA|XP\_961229.1 SSCL|APA11732.1

>Orthogroup5747: ANID|CBF79389.1 BCIN|XP\_024546626.1 BGRA|VDB90823.1 CFRU|XP\_031892458.1 CGLO|KAF3803070.1 CHIG|XP\_018153529.1 CVIN|KAF4919858.1 CVYL|A00082 FGRM|XP\_011316115.1 MORY|QBZ55592.1 NCRA|XP\_965116.2 SSCL|APA06460.1

>Orthogroup5748: ANID|CBF79414.1 BCIN|XP\_001551566.1 BGRA|VCU40009.1 CFRU|XP\_031887205.1 CGLO|KAF3809342.1 CHIG|XP\_018156194.1 CVIN|KAF4924168.1 CVYL|A01547 FGRM|XP\_011318898.1 MLAR|XP\_007404412.1 NCRA|XP\_957383.1 SSCL|APA11813.1

>Orthogroup5749: ANID|CBF79430.1 BCIN|XP\_001561319.1 CFRU|XP\_031890676.1 CGLO|KAF3804844.1 CHIG|XP\_018164345.1 CVIN|KAF4929735.1 CVYL|A12228 FGRM|XP\_011316207.1 MGRA|XP\_003851506.1 MORY|QBZ62757.1 NCRA|XP\_964410.1 SSCL|APA06861.1

>Orthogroup5750: ANID|CBF79452.1 BCIN|XP\_001546073.1 BGRA|VCU41382.1 CFRU|XP\_031886538.1 CGLO|KAF3800280.1 CHIG|XP\_018162762.1 CVIN|KAF4927552.1 CVYL|A06956 FGRM|XP\_011318454.1 MGRA|XP\_003853850.1 NCRA|XP\_957344.2 SSCL|APA14995.1

>Orthogroup5751: ANID|CBF79463.1 BCIN|XP\_024553717.1 BGRA|VDB93460.1 CFRU|XP\_031886769.1 CGLO|KAF3804110.1 CHIG|XP\_018162643.1 CVIN|KAF4932128.1 CVYL|A07075 FGRM|XP\_011326644.1 MORY|QBZ59459.1 NCRA|XP\_963099.1 SSCL|APA15111.1

>Orthogroup5752: ANID|CBF79496.1 BCIN|XP\_001547688.1 BGRA|VCU38873.1 CFRU|XP\_031887462.1 CGLO|KAF3803325.1 CHIG|XP\_018161151.1 CVIN|KAF4919262.1 CVYL|A03762 FGRM|XP\_011318400.1 MORY|QBZ64581.1 NCRA|XP\_011394141.1 SSCL|APA13307.1

>Orthogroup5753: ANID|CBF79505.1 BCIN|XP\_001558023.1 BGRA|VCU40547.1 CFRU|XP\_031890257.1 CHIG|XP\_018151272.1 CVIN|KAF4910262.1 CVYL|A09196 MLAR|XP\_007408076.1 MLAR|XP\_007419836.1 MORY|QBZ57933.1 NCRA|XP\_961788.1 SSCL|APA14331.1

>Orthogroup5754: ANID|CBF79507.1 BCIN|XP\_024552084.1 BGRA|VDB92836.1 CFRU|XP\_031890252.1 CGLO|KAF3798715.1 CHIG|XP\_018151271.1 CVIN|KAF4910263.1 CVYL|A09197 FGRM|XP\_011327922.1 MLAR|XP\_007417182.1 NCRA|XP\_961787.1 SSCL|APA12868.1

>Orthogroup5755: ANID|CBF79516.1 BCIN|XP\_001558052.1 BGRA|VCU39229.1 CFRU|XP\_031890151.1 CGLO|KAF3798723.1 CHIG|XP\_018151270.1 CVIN|KAF4896756.1 CVYL|A09188 FGRM|XP\_011327931.1 MORY|QBZ64549.1 NCRA|XP\_962293.1 SSCL|APA12886.1

>Orthogroup5756: ANID|CBF79555.1 BCIN|XP\_001552050.1 BCIN|XP\_001557789.1 BCIN|XP\_001558853.1 BCIN|XP\_024548538.1 BCIN|XP\_024550288.1 CFRU|XP\_031885281.1 CGLO|KAF3807773.1 CHIG|XP\_018158166.1 CVIN|KAF4920522.1 CVYL|A00829 SSCL|APA12153.1

>Orthogroup5757: ANID|CBF79559.1 ANID|CBF90047.1 BCIN|XP\_001557921.1 BCIN|XP\_024552473.1 CFRU|XP\_031875719.1 CGLO|KAF3798146.1 CHIG|XP\_018154039.1 CVIN|KAF4919122.1 CVYL|A04968 MORY|QBZ65059.1 NCRA|XP\_011392986.1 SSCL|APA12732.1

>Orthogroup5758: ANID|CBF79603.1 BCIN|XP\_001558938.1 BGRA|VDB93500.1 CFRU|XP\_031888345.1 CHIG|XP\_018164120.1 CVIN|KAF4922258.1 CVYL|A14500 FGRM|XP\_011316870.1 MLAR|XP\_007410210.1 MORY|QBZ56407.1 NCRA|XP\_964456.3 SSCL|APA05811.1

>Orthogroup5759: ANID|CBF79632.1 BCIN|XP\_001548486.1 BGRA|VDB93576.1 CFRU|XP\_031888529.1 CGLO|KAF3803574.1 CVIN|KAF4922227.1 CVYL|A14508 FGRM|XP\_011316747.1 MGRA|XP\_003856948.1 MORY|QBZ56028.1 NCRA|XP\_963863.1 SSCL|APA13829.1

>Orthogroup5760: ANID|CBF79634.1 BCIN|XP\_001553759.1 BGRA|VDB93754.1 CFRU|XP\_031888362.1 CHIG|XP\_018163850.1 CVIN|KAF4920365.1 CVYL|A14546 FGRM|XP\_011326552.1 MGRA|XP\_003856842.1 MORY|QBZ63203.1 NCRA|XP\_963695.2 SSCL|APA06122.1

>Orthogroup5761: ANID|CBF79638.1 BCIN|XP\_024546948.1 BGRA|VDB93648.1 CFRU|XP\_031892394.1 CGLO|KAF3812286.1 CHIG|XP\_018153512.1 CVIN|KAF4919881.1 CVYL|A00096 FGRM|XP\_011316100.1 MORY|QBZ55573.1 NCRA|XP\_963844.2 SSCL|APA05782.1

>Orthogroup5762: ANID|CBF79654.1 ANID|CBF80323.1 ANID|CBF86221.1 CFRU|XP\_031875535.1 CGLO|KAF3807353.1 CHIG|XP\_018156870.1 CVIN|KAF4920086.1 CVYL|A10846 FGRM|XP\_011319883.1 FGRM|XP\_011321744.1 MORY|QBZ57762.1 NCRA|XP\_958528.2

>Orthogroup5763: ANID|CBF79663.1 BCIN|XP\_024553160.1 CFRU|XP\_031888257.1 CGLO|KAF3803488.1 CHIG|XP\_018164018.1 CVIN|KAF4926305.1 CVYL|A14417 FGRM|XP\_011316981.1 MGRA|XP\_003856536.1 MORY|QBZ55336.1 NCRA|XP\_011393002.1 SSCL|APA13342.1

>Orthogroup5764: ANID|CBF79676.1 BCIN|XP\_024548849.1 BGRA|VDB89305.1 CFRU|XP\_031885775.1 CGLO|KAF3810052.1 CHIG|XP\_018157768.1 CVIN|KAF4917925.1 CVYL|A02647 FGRM|XP\_011321148.1 MORY|QBZ61158.1 NCRA|XP\_958292.1 SSCL|APA09472.1

>Orthogroup5765: ANID|CBF79735.1 BCIN|XP\_001552252.1 BGRA|VDB83638.1 CFRU|XP\_031893254.1 CHIG|XP\_018150886.1 CVIN|KAF4922498.1 CVYL|A08726 FGRM|XP\_011328043.1 MGRA|XP\_003849812.1 MORY|QBZ64178.1 NCRA|XP\_962246.2 SSCL|APA12894.1

>Orthogroup5766: ANID|CBF79751.1 BCIN|XP\_001560082.1 CFRU|XP\_031890235.1 CGLO|KAF3798876.1 CHIG|XP\_018158545.1 CVIN|KAF4925555.1 CVYL|A05077 FGRM|XP\_011316628.1 MGRA|XP\_003853022.1 MLAR|XP\_007409997.1 NCRA|XP\_965005.1 SSCL|APA09902.1

>Orthogroup5767: ANID|CBF79764.1 BCIN|XP\_001560540.2 BGRA|VCU38813.1 CFRU|XP\_031887033.1 CGLO|KAF3811282.1 CHIG|XP\_018160506.1 CVIN|KAF4927221.1 CVYL|A04450 FGRM|XP\_011323623.1 MORY|QBZ57998.1 NCRA|XP\_958052.1 SSCL|APA07719.1

>Orthogroup5768: ANID|CBF79776.1 BCIN|XP\_001557388.1 BGRA|VDB87645.1 CFRU|XP\_031886642.1 CHIG|XP\_018162485.1 CVIN|KAF4932106.1 CVYL|A07121 FGRM|XP\_011324116.1 MLAR|XP\_007412211.1 MORY|QBZ56496.1 NCRA|XP\_959029.1 SSCL|APA10687.1

>Orthogroup5769: ANID|CBF79777.1 BCIN|XP\_001557389.1 BGRA|VDB87643.1 CFRU|XP\_031886643.1 CGLO|KAF3801211.1 CHIG|XP\_018162486.1 CVIN|KAF4932105.1 CVYL|A07122 FGRM|XP\_011324115.1 MORY|QBZ56497.1 NCRA|XP\_959030.1 SSCL|APA10686.1

>Orthogroup5770: ANID|CBF79779.1 BCIN|XP\_001553047.1 BGRA|VDB84409.1 CFRU|XP\_031881636.1 CGLO|KAF3807410.1 CVIN|KAF4929593.1 CVYL|A10900 FGRM|XP\_011328172.1 MGRA|XP\_003854099.1 MORY|QBZ65591.1 NCRA|XP\_965071.1 SSCL|APA11241.1

>Orthogroup5771: ANID|CBF79791.1 BCIN|XP\_001550719.1 CFRU|XP\_031891829.1 CGLO|KAF3809788.1 CHIG|XP\_018164961.1 CVIN|KAF4915189.1 CVYL|A06710 FGRM|XP\_011317454.1 MGRA|XP\_003856246.1 MORY|QBZ59812.1 NCRA|XP\_962565.1 SSCL|APA15313.1

>Orthogroup5772: ANID|CBF79851.1 BCIN|XP\_001561354.2 CFRU|XP\_031885562.1 CGLO|KAF3810158.1 CHIG|XP\_018157992.1 CVIN|KAF4929163.1 CVYL|A02748 FGRM|XP\_011320373.1 MGRA|XP\_003856231.1 MORY|QBZ62633.1 NCRA|XP\_960366.2 SSCL|APA06875.1

>Orthogroup5773: ANID|CBF79867.1 BCIN|XP\_024552833.1 CFRU|XP\_031889656.1 CGLO|KAF3810499.1 CHIG|XP\_018154218.1 CHIG|XP\_018159117.1 CVIN|KAF4924684.1 CVYL|A14103 MGRA|XP\_003857184.1 MORY|QBZ62587.1 NCRA|XP\_964611.2 SSCL|APA07620.1

>Orthogroup5774: ANID|CBF79876.1 BCIN|XP\_001551203.1 CFRU|XP\_031887499.1 CGLO|KAF3807166.1 CHIG|XP\_018160996.1 CVIN|KAF4917565.1 CVYL|A03569 FGRM|XP\_011323805.1 MGRA|XP\_003856788.1 MORY|QBZ58777.1 NCRA|XP\_962218.2 SSCL|APA13228.1

>Orthogroup5775: ANID|CBF79925.1 BCIN|XP\_024547624.1 CFRU|XP\_031886915.1 CGLO|KAF3811278.1 CHIG|XP\_018160502.1 CVIN|KAF4927255.1 CVYL|A04456 FGRM|XP\_011323632.1 MGRA|XP\_003850003.1 MORY|QBZ63420.1 NCRA|XP\_961555.2 SSCL|APA07778.1

>Orthogroup5776: ANID|CBF79931.1 BCIN|XP\_001552312.2 BGRA|VDB84171.1 CFRU|XP\_031888008.1 CGLO|KAF3802318.1 CVIN|KAF4889196.1 CVYL|A10873 FGRM|XP\_011319745.1 MGRA|XP\_003854261.1 MORY|QBZ65832.1 NCRA|XP\_965525.1 SSCL|APA11148.1

>Orthogroup5777: ANID|CBF79966.1 BCIN|XP\_001556669.2 BCIN|XP\_024551662.1 CFRU|XP\_031881348.1 CGLO|KAF3805763.1 CHIG|XP\_018163657.1 CVIN|KAF4926566.1 CVYL|A06053 FGRM|XP\_011318721.1 MGRA|XP\_003848337.1 MGRA|XP\_003855792.1 SSCL|APA14794.1

>Orthogroup5778: ANID|CBF79981.1 BCIN|XP\_001551894.2 CFRU|XP\_031887052.1 CGLO|KAF3811265.1 CHIG|XP\_018160486.1 CVIN|KAF4927231.1 CVYL|A04472 CVYL|A04473 FGRM|XP\_011326921.1 MORY|QBZ58098.1 NCRA|XP\_011394502.1 SSCL|APA15209.1

>Orthogroup5779: ANID|CBF80013.1 BCIN|XP\_024551193.1 BGRA|VDB83904.1 CFRU|XP\_031876935.1 CGLO|KAF3810688.1 CHIG|XP\_018162453.1 CVIN|KAF4909757.1 CVYL|A07270 FGRM|XP\_011327013.1 MORY|QBZ55611.1 NCRA|XP\_957250.1 SSCL|APA10148.1

>Orthogroup5780: ANID|CBF80017.1 BCIN|XP\_001554229.1 BGRA|VCU39901.1 CFRU|XP\_031876934.1 CGLO|KAF3810690.1 CHIG|XP\_018162455.1 CVIN|KAF4909752.1 CVYL|A07268 FGRM|XP\_011327007.1 MORY|QBZ61357.1 NCRA|XP\_011393764.1 SSCL|APA10150.1

>Orthogroup5781: ANID|CBF80019.1 BCIN|XP\_024551202.1 BGRA|VCU39467.1 CFRU|XP\_031876924.1 CGLO|KAF3810689.1 CHIG|XP\_018162454.1 CVIN|KAF4909756.1 CVYL|A07269 FGRM|XP\_011327008.1 MORY|QBZ61358.1 NCRA|XP\_956191.2 SSCL|APA10139.1

>Orthogroup5782: ANID|CBF80028.1 BCIN|XP\_024550206.1 BGRA|VDB86015.1 CFRU|XP\_031892607.1 CGLO|KAF3797162.1 CHIG|XP\_018157114.1 CVIN|KAF4918846.1 CVYL|A10535 FGRM|XP\_011315887.1 MORY|QBZ65549.1 NCRA|XP\_964090.3 SSCL|APA10885.1

>Orthogroup5783: ANID|CBF80035.1 BCIN|XP\_024545934.1 BGRA|VCU38929.1 CFRU|XP\_031887513.1 CGLO|KAF3811601.1 CHIG|XP\_018160873.1 CVIN|KAF4921475.1 CVYL|A03459 FGRM|XP\_011324861.1 MORY|QBZ58881.1 NCRA|XP\_961907.3 SSCL|APA07363.1

>Orthogroup5784: ANID|CBF80054.1 BCIN|XP\_024550339.1 BGRA|VDB85946.1 CFRU|XP\_031892693.1 CGLO|KAF3797094.1 CHIG|XP\_018157063.1 CVIN|KAF4911381.1 CVYL|A10614 FGRM|XP\_011315811.1 MORY|QBZ60431.1 NCRA|XP\_965814.3 SSCL|APA11013.1

>Orthogroup5785: ANID|CBF80074.1 BCIN|XP\_001561057.1 BGRA|VDB90753.1 CFRU|XP\_031892358.1 CGLO|KAF3803052.1 CHIG|XP\_018153602.1 CVIN|KAF4892473.1 FGRM|XP\_011316230.1 MGRA|XP\_003853717.1 MORY|QBZ59396.1 NCRA|XP\_962025.1 SSCL|APA06758.1

>Orthogroup5786: ANID|CBF80101.1 BCIN|XP\_024550162.1 BGRA|VDB84207.1 CFRU|XP\_031880396.1 CHIG|XP\_018156947.1 CVIN|KAF4928135.1 CVYL|A10756 FGRM|XP\_011320003.1 MLAR|XP\_007407445.1 MORY|QBZ65909.1 NCRA|XP\_965821.1 SSCL|APA10831.1

>Orthogroup5787: ANID|CBF80340.1 BCIN|XP\_001559081.2 CFRU|XP\_031889929.1 CGLO|KAF3810616.1 CHIG|XP\_018158954.1 CVIN|KAF4908283.1 CVYL|A13698 FGRM|XP\_011324574.1 MGRA|XP\_003851840.1 MGRA|XP\_003853615.1 MORY|QBZ57516.1 SSCL|APA09067.1

>Orthogroup5788: ANID|CBF80342.1 BCIN|XP\_001547280.1 BCIN|XP\_024546904.1 CGLO|KAF3800903.1 CHIG|XP\_018150775.1 CHIG|XP\_018150776.1 CVYL|A12441 FGRM|XP\_011327523.1 MGRA|XP\_003853189.1 NCRA|XP\_959803.2 NCRA|XP\_962434.2 SSCL|APA06986.1

>Orthogroup5789: ANID|CBF80680.1 CFRU|XP\_031880916.1 CFRU|XP\_031881976.1 CGLO|KAF3806096.1 CGLO|KAF3806949.1 CHIG|XP\_018159648.1 CVIN|KAF4891226.1 CVIN|KAF4919149.1 CVYL|A06238 CVYL|A07416 FGRM|XP\_011315610.1 FGRM|XP\_011322202.1

>Orthogroup5790: ANID|CBF80805.1 BCIN|XP\_024551455.1 CFRU|XP\_031892704.1 CGLO|KAF3803059.1 CHIG|XP\_018153531.1 CVIN|KAF4919852.1 CVYL|A00069 FGRM|XP\_011316231.1 MGRA|XP\_003854208.1 MORY|QBZ63922.1 NCRA|XP\_964035.3 SSCL|APA10450.1

>Orthogroup5791: ANID|CBF80907.1 BCIN|XP\_024546957.1 BGRA|VDB93786.1 CFRU|XP\_031883339.1 CHIG|XP\_018152102.1 CVIN|KAF4927061.1 CVYL|A13137 FGRM|XP\_011325674.1 MGRA|XP\_003855233.1 MORY|QBZ62119.1 NCRA|XP\_011393459.1 SSCL|APA05994.1

>Orthogroup5792: ANID|CBF80927.1 BCIN|XP\_001560568.1 BGRA|VDB94617.1 CFRU|XP\_031877984.1 CGLO|KAF3799611.1 CHIG|XP\_018154606.1 CVIN|KAF4926447.1 CVYL|A13473 FGRM|XP\_011316554.1 MORY|QBZ54365.1 NCRA|XP\_963177.1 SSCL|APA07893.1

>Orthogroup5793: ANID|CBF80972.1 BCIN|XP\_001549555.1 CFRU|XP\_031885927.1 CGLO|KAF3805525.1 CHIG|XP\_018155374.1 CVYL|A05647 FGRM|XP\_011317457.1 MGRA|XP\_003855660.1 MLAR|XP\_007403843.1 MORY|QBZ56161.1 NCRA|XP\_963186.1 SSCL|APA13547.1

>Orthogroup5794: ANID|CBF80979.1 BCIN|XP\_024548347.1 BGRA|VDB93834.1 CFRU|XP\_031883239.1 CHIG|XP\_018152121.1 CVIN|KAF4923780.1 CVYL|A13152 FGRM|XP\_011317244.1 MLAR|XP\_007416144.1 MORY|QBZ60293.1 NCRA|XP\_957160.2 SSCL|APA12606.1

>Orthogroup5795: ANID|CBF80981.1 BCIN|XP\_001558798.2 CFRU|XP\_031878052.1 CGLO|KAF3799616.1 CHIG|XP\_018154617.1 CVIN|KAF4926444.1 CVYL|A13478 FGRM|XP\_011325502.1 MGRA|XP\_003847631.1 MORY|QBZ54381.1 NCRA|XP\_963375.1 SSCL|APA05958.1

>Orthogroup5796: ANID|CBF81029.1 BCIN|XP\_001560988.1 CFRU|XP\_031889572.1 CGLO|KAF3805867.1 CVIN|KAF4907179.1 CVYL|A13847 FGRM|XP\_011328617.1 MGRA|XP\_003856371.1 MLAR|XP\_007418214.1 MORY|QBZ60511.1 NCRA|XP\_011392974.1 SSCL|APA06696.1

>Orthogroup5797: ANID|CBF81052.1 BCIN|XP\_001560276.1 CFRU|XP\_031879634.1 CGLO|KAF3802681.1 CHIG|XP\_018159158.1 CVIN|KAF4920440.1 CVYL|A08092 FGRM|XP\_011327317.1 MGRA|XP\_003856272.1 MORY|QBZ57802.1 NCRA|XP\_959622.3 SSCL|APA08846.1

>Orthogroup5798: ANID|CBF81057.1 BCIN|XP\_001555614.1 BGRA|VCU40834.1 CFRU|XP\_031889805.1 CHIG|XP\_018159113.1 CVIN|KAF4924680.1 CVYL|A14108 FGRM|XP\_011317194.1 MGRA|XP\_003852127.1 MORY|QBZ56969.1 NCRA|XP\_011395262.1 SSCL|APA07317.1

>Orthogroup5799: ANID|CBF81094.1 BCIN|XP\_001560417.1 BGRA|VDB92541.1 CFRU|XP\_031889992.1 CGLO|KAF3802913.1 CHIG|XP\_018158516.1 CVIN|KAF4925566.1 CVYL|A05100 FGRM|XP\_011316571.1 MORY|QBZ63217.1 NCRA|XP\_965038.1 SSCL|APA08766.1

>Orthogroup5800: ANID|CBF81127.1 BCIN|XP\_024546588.1 BGRA|VDB92932.1 CFRU|XP\_031886735.1 CGLO|KAF3806780.1 CHIG|XP\_018158768.1 CVIN|KAF4905658.1 CVYL|A04993 FGRM|XP\_011328618.1 MORY|QBZ60423.1 NCRA|XP\_965312.1 SSCL|APA06814.1

>Orthogroup5801: ANID|CBF81170.1 BCIN|XP\_024546601.1 BGRA|VDB90821.1 CFRU|XP\_031892578.1 CGLO|KAF3803060.1 CHIG|XP\_018153532.1 CVIN|KAF4919846.1 CVYL|A00070 FGRM|XP\_011316128.1 MORY|QBZ59486.1 NCRA|XP\_962090.1 SSCL|APA06428.1

>Orthogroup5802: ANID|CBF81200.1 BCIN|XP\_001561259.1 BGRA|VDB90566.1 CFRU|XP\_031882770.1 CHIG|XP\_018163974.1 CVIN|KAF4926304.1 CVYL|A14374 FGRM|XP\_011316973.1 MGRA|XP\_003851080.1 MORY|QBZ63004.1 NCRA|XP\_957993.1 SSCL|APA07206.1

>Orthogroup5803: ANID|CBF81209.1 BCIN|XP\_001561308.1 BGRA|VDB90740.1 CFRU|XP\_031890535.1 CGLO|KAF3804862.1 CHIG|XP\_018164394.1 CVIN|KAF4921152.1 CVYL|A12209 FGRM|XP\_011316302.1 MORY|QBZ55295.1 NCRA|XP\_964274.2 SSCL|APA06854.1

>Orthogroup5804: ANID|CBF81215.1 BCIN|XP\_001561332.1 BGRA|VDB90577.1 CFRU|XP\_031890507.1 CGLO|KAF3804825.1 CHIG|XP\_018164315.1 CVIN|KAF4929781.1 CVYL|A12249 FGRM|XP\_011317015.1 MORY|QBZ63558.1 NCRA|XP\_001728366.2 SSCL|APA06869.1

>Orthogroup5805: ANID|CBF81224.1 BCIN|XP\_024548758.1 BGRA|VCU40020.1 CFRU|XP\_031886934.1 CGLO|KAF3811388.1 CHIG|XP\_018160625.1 CVIN|KAF4919701.1 FGRM|XP\_011327182.1 MGRA|XP\_003850708.1 MORY|QBZ58060.1 NCRA|XP\_960732.2 SSCL|APA09728.1

>Orthogroup5806: ANID|CBF81234.1 BCIN|XP\_001553533.1 CFRU|XP\_031888368.1 CGLO|KAF3803756.1 CHIG|XP\_018153154.1 CVIN|KAF4912466.1 CVYL|A14136 FGRM|XP\_011327127.1 MGRA|XP\_003851174.1 MORY|QBZ59752.1 NCRA|XP\_965650.1 SSCL|APA06775.1

>Orthogroup5807: ANID|CBF81243.1 BCIN|XP\_024548750.1 CFRU|XP\_031886929.1 CGLO|KAF3811384.1 CHIG|XP\_018160620.1 CVIN|KAF4919674.1 CVYL|A04576 FGRM|XP\_011327197.1 MGRA|XP\_003850620.1 MORY|QBZ58046.1 MORY|QBZ61610.1 SSCL|APA09745.1

>Orthogroup5808: ANID|CBF81250.1 BCIN|XP\_024548748.1 CFRU|XP\_031886930.1 CGLO|KAF3811385.1 CHIG|XP\_018160621.1 CVIN|KAF4919673.1 CVYL|A04577 FGRM|XP\_011327196.1 MGRA|XP\_003851251.1 MORY|QBZ58047.1 NCRA|XP\_961374.2 SSCL|APA09744.1

>Orthogroup5809: ANID|CBF81256.1 BCIN|XP\_001548971.1 CFRU|XP\_031879899.1 CGLO|KAF3798961.1 CHIG|XP\_018152852.1 CVIN|KAF4923467.1 CVYL|A07878 FGRM|XP\_011324353.1 MGRA|XP\_003850705.1 MORY|QBZ53350.1 NCRA|XP\_959642.1 SSCL|APA07029.1

>Orthogroup5810: ANID|CBF81259.1 BCIN|XP\_024546204.1 BGRA|VDB90563.1 CFRU|XP\_031879980.1 CGLO|KAF3798963.1 CHIG|XP\_018152850.1 CVIN|KAF4923462.1 CVYL|A07880 FGRM|XP\_011324352.1 MORY|QBZ53348.1 NCRA|XP\_959504.2 SSCL|APA07024.1

>Orthogroup5811: ANID|CBF81276.1 BCIN|XP\_001546684.1 BGRA|VCU40728.1 CFRU|XP\_031891020.1 CHIG|XP\_018151824.1 CVIN|KAF4915935.1 CVYL|A12711 FGRM|XP\_011325650.1 MGRA|XP\_003847930.1 MORY|QBZ61891.1 NCRA|XP\_959444.1 SSCL|APA12447.1

>Orthogroup5812: ANID|CBF81278.1 BCIN|XP\_024548195.1 BGRA|VCU40727.1 CFRU|XP\_031890940.1 CGLO|KAF3801564.1 CHIG|XP\_018151987.1 CVIN|KAF4921091.1 CVYL|A12570 FGRM|XP\_011319464.1 MORY|QBZ55810.1 NCRA|XP\_963380.1 SSCL|APA12448.1

>Orthogroup5813: ANID|CBF81303.1 BCIN|XP\_024548310.1 CFRU|XP\_031887347.1 CGLO|KAF3809358.1 CHIG|XP\_018156213.1 CVIN|KAF4924200.1 CVYL|A01558 FGRM|XP\_011319086.1 MLAR|XP\_007405315.1 MORY|QBZ62452.1 NCRA|XP\_960959.2 SSCL|APA12559.1

>Orthogroup5814: ANID|CBF81313.1 BCIN|XP\_001550831.1 CFRU|XP\_031880682.1 CGLO|KAF3811191.1 CHIG|XP\_018159492.1 CVIN|KAF4931217.1 CVYL|A04355 FGRM|XP\_011324880.1 MGRA|XP\_003852855.1 MORY|QBZ64666.1 NCRA|XP\_955990.2 SSCL|APA15341.1

>Orthogroup5815: ANID|CBF81322.1 BCIN|XP\_001549296.1 BGRA|VCU40424.1 CFRU|XP\_031886186.1 CGLO|KAF3801127.1 CHIG|XP\_018155232.1 CVIN|KAF4930387.1 CVYL|A05716 FGRM|XP\_011317466.1 MORY|QBZ54413.1 NCRA|XP\_956802.1 SSCL|APA12108.1

>Orthogroup5816: ANID|CBF81330.1 BCIN|XP\_001549287.1 BGRA|VCU40417.1 CFRU|XP\_031885487.1 CHIG|XP\_018154451.1 CVIN|KAF4931893.1 FGRM|XP\_011325526.1 MGRA|XP\_003848174.1 MLAR|XP\_007413664.1 MORY|QBZ64877.1 NCRA|XP\_963619.1 SSCL|APA12105.1

>Orthogroup5817: ANID|CBF81363.1 BCIN|XP\_001554725.2 BGRA|VCU38890.1 CFRU|XP\_031891076.1 CGLO|KAF3801443.1 CHIG|XP\_018151877.1 CVIN|KAF4912402.1 CVYL|A12683 FGRM|XP\_011325653.1 MORY|QBZ55079.1 NCRA|XP\_011394816.1 SSCL|APA15465.1

>Orthogroup5818: ANID|CBF81372.1 BCIN|XP\_001546333.1 BGRA|VDB88926.1 CFRU|XP\_031882121.1 CGLO|KAF3806102.1 CHIG|XP\_018164573.1 CVIN|KAF4902331.1 CVYL|A07411 FGRM|XP\_011325002.1 MORY|QBZ62376.1 NCRA|XP\_959552.1 SSCL|APA14290.1

>Orthogroup5819: ANID|CBF81409.1 BCIN|XP\_024549480.1 CFRU|XP\_031886975.1 CGLO|KAF3811372.1 CHIG|XP\_018160608.1 CVIN|KAF4921032.1 CVYL|A04562 FGRM|XP\_011327213.1 MGRA|XP\_003850683.1 MORY|QBZ56903.1 NCRA|XP\_961568.1 SSCL|APA09168.1

>Orthogroup5820: ANID|CBF81410.1 BCIN|XP\_001555170.2 BGRA|VCU40010.1 CFRU|XP\_031880648.1 CGLO|KAF3811134.1 CHIG|XP\_018160368.1 CVIN|KAF4924548.1 CVYL|A04291 FGRM|XP\_011327071.1 MORY|QBZ63385.1 NCRA|XP\_961316.1 SSCL|APA09170.1

>Orthogroup5821: ANID|CBF81423.1 BCIN|XP\_001561312.1 BGRA|VDB90774.1 CFRU|XP\_031882741.1 CGLO|KAF3803419.1 CHIG|XP\_018163902.1 CVIN|KAF4918419.1 CVYL|A14349 FGRM|XP\_011316784.1 MORY|QBZ56438.1 NCRA|XP\_964271.2 SSCL|APA06850.1

>Orthogroup5822: ANID|CBF81425.1 BCIN|XP\_024546636.1 BGRA|VDB90542.1 CFRU|XP\_031884278.1 CGLO|KAF3799983.1 CHIG|XP\_018152995.1 CVIN|KAF4926879.1 CVYL|A10201 FGRM|XP\_011324317.1 MORY|QBZ64131.1 NCRA|XP\_964927.2 SSCL|APA06469.1

>Orthogroup5823: ANID|CBF81429.1 BCIN|XP\_001547883.1 CFRU|XP\_031875751.1 CGLO|KAF3797759.1 CHIG|XP\_018156427.1 CVIN|KAF4918813.1 CVYL|A02975 FGRM|XP\_011318789.1 MGRA|XP\_003855949.1 MORY|QBZ57727.1 NCRA|XP\_958981.2 SSCL|APA16164.1

>Orthogroup5824: ANID|CBF81440.1 BCIN|XP\_001546334.1 CFRU|XP\_031891840.1 CGLO|KAF3800155.1 CHIG|XP\_018165086.1 CVIN|KAF4925838.1 CVYL|A06849 FGRM|XP\_011327698.1 MGRA|XP\_003851675.1 MORY|QBZ60655.1 NCRA|XP\_955937.1 SSCL|APA14291.1

>Orthogroup5825: ANID|CBF81451.1 BCIN|XP\_001550563.1 BGRA|VDB93063.1 CFRU|XP\_031882065.1 CGLO|KAF3797865.1 CHIG|XP\_018164489.1 CVIN|KAF4911588.1 CVYL|A07337 FGRM|XP\_011317025.1 MORY|QBZ60577.1 NCRA|XP\_011395157.1 SSCL|APA14174.1

>Orthogroup5826: ANID|CBF81455.1 BCIN|XP\_024547233.1 BGRA|VDB93064.1 CFRU|XP\_031882064.1 CHIG|XP\_018164488.1 CVIN|KAF4911597.1 FGRM|XP\_011325032.1 MGRA|XP\_003848349.1 MLAR|XP\_007411122.1 MORY|QBZ60578.1 NCRA|XP\_959802.2 SSCL|APA14176.1

>Orthogroup5827: ANID|CBF81464.1 BCIN|XP\_001547834.1 CFRU|XP\_031880220.1 CGLO|KAF3809012.1 CHIG|XP\_018155844.1 CVIN|KAF4918015.1 CVYL|A01568 FGRM|XP\_011319323.1 MGRA|XP\_003857515.1 MORY|QBZ54213.1 NCRA|XP\_011394638.1 SSCL|APA11555.1

>Orthogroup5828: ANID|CBF81493.1 BCIN|XP\_024548454.1 BGRA|VCU40941.1 CFRU|XP\_031882362.1 CGLO|KAF3807584.1 CHIG|XP\_018156350.1 CVIN|KAF4928904.1 CVYL|A02898 FGRM|XP\_011319223.1 MORY|QBZ62169.1 NCRA|XP\_956547.3 SSCL|APA12227.1

>Orthogroup5829: ANID|CBF81504.1 BCIN|XP\_024548288.1 BGRA|VDB93325.1 CFRU|XP\_031887204.1 CGLO|KAF3809231.1 CHIG|XP\_018156059.1 CVIN|KAF4925326.1 CVYL|A01421 MGRA|XP\_003847999.1 MORY|QBZ62549.1 NCRA|XP\_960628.2 SSCL|APA12530.1

>Orthogroup5830: ANID|CBF81551.1 BCIN|XP\_001548153.2 BGRA|VDB93024.1 CFRU|XP\_031881213.1 CGLO|KAF3802471.1 CHIG|XP\_018154765.1 CVIN|KAF4916873.1 CVYL|A02056 FGRM|XP\_011325550.1 MORY|QBZ59090.1 NCRA|XP\_956117.2 SSCL|APA12761.1

>Orthogroup5831: ANID|CBF81579.1 CFRU|XP\_031888755.1 CGLO|KAF3804154.1 CHIG|XP\_018160007.1 CVIN|KAF4918376.1 CVYL|A03796 FGRM|XP\_011316499.1 FGRM|XP\_011318343.1 FGRM|XP\_011325241.1 MGRA|XP\_003848731.1 MORY|QBZ65444.1 NCRA|XP\_964782.1

>Orthogroup5832: ANID|CBF81590.1 BCIN|XP\_024547855.1 BGRA|VDB94559.1 CFRU|XP\_031885785.1 CHIG|XP\_018157935.1 CVIN|KAF4918605.1 CVYL|A02862 FGRM|XP\_011328235.1 MLAR|XP\_007411373.1 MORY|QBZ56073.1 NCRA|XP\_011394984.1 SSCL|APA08174.1

>Orthogroup5833: ANID|CBF81596.1 BCIN|XP\_001559847.1 CFRU|XP\_031885396.1 CGLO|KAF3799434.1 CHIG|XP\_018152311.1 CVIN|KAF4931812.1 CVYL|A13296 FGRM|XP\_011323717.1 MGRA|XP\_003853972.1 MORY|QBZ64797.1 NCRA|XP\_956049.1 SSCL|APA09711.1

>Orthogroup5834: ANID|CBF81599.1 BCIN|XP\_024548587.1 BGRA|VDB89889.1 CFRU|XP\_031891091.1 CGLO|KAF3811749.1 CHIG|XP\_018151791.1 CVIN|KAF4923016.1 CVYL|A12764 FGRM|XP\_011319494.1 MORY|QBZ61940.1 NCRA|XP\_955980.3 SSCL|APA10004.1

>Orthogroup5835: ANID|CBF81605.1 BCIN|XP\_024548893.1 BGRA|VDB89311.1 CFRU|XP\_031885483.1 CGLO|KAF3799464.1 CHIG|XP\_018154448.1 CVIN|KAF4931896.1 CVYL|A13326 FGRM|XP\_011325523.1 MORY|QBZ64874.1 NCRA|XP\_011393684.1 SSCL|APA09397.1

>Orthogroup5836: ANID|CBF81649.1 BCIN|XP\_001559848.2 BGRA|VDB89578.1 CFRU|XP\_031885392.1 CGLO|KAF3799438.1 CHIG|XP\_018152316.1 CVIN|KAF4931806.1 CVYL|A13300 FGRM|XP\_011316531.1 MORY|QBZ64801.1 NCRA|XP\_956053.1 SSCL|APA09712.1

>Orthogroup5837: ANID|CBF81663.1 BCIN|XP\_024551849.1 BGRA|VDB95088.1 CFRU|XP\_031882723.1 CHIG|XP\_018163938.1 CVIN|KAF4918451.1 CVYL|A14323 FGRM|XP\_011316147.1 MGRA|XP\_003857104.1 MORY|QBZ56010.1 NCRA|XP\_965303.2 SSCL|APA06288.1

>Orthogroup5838: ANID|CBF81748.1 BCIN|XP\_024548670.1 CFRU|XP\_031880094.1 CGLO|KAF3811818.1 CHIG|XP\_018151736.1 CVIN|KAF4924898.1 CVYL|A12821 FGRM|XP\_011319522.1 MGRA|XP\_003854374.1 MLAR|XP\_007416477.1 NCRA|XP\_956946.3 SSCL|APA09885.1

>Orthogroup5839: ANID|CBF81754.1 BCIN|XP\_024547759.1 BGRA|VDB90436.1 CFRU|XP\_031885668.1 CGLO|KAF3810238.1 CVIN|KAF4929087.1 CVYL|A02838 FGRM|XP\_011325090.1 MGRA|XP\_003853991.1 MORY|QBZ62412.1 NCRA|XP\_956077.2 SSCL|APA08016.1

>Orthogroup5840: ANID|CBF81793.1 BCIN|XP\_024550591.1 CFRU|XP\_031878325.1 CGLO|KAF3798053.1 CHIG|XP\_018158101.1 CVIN|KAF4928017.1 CVYL|A08303 FGRM|XP\_011323855.1 MLAR|XP\_007404111.1 MORY|QBZ62690.1 NCRA|XP\_957674.3 SSCL|APA11394.1

>Orthogroup5841: ANID|CBF81820.1 BCIN|XP\_024553039.1 BGRA|VCU41218.1 CFRU|XP\_031880192.1 CGLO|KAF3809091.1 CHIG|XP\_018155890.1 CVIN|KAF4923803.1 CVYL|A01621 FGRM|XP\_011318914.1 MORY|QBZ57478.1 NCRA|XP\_960877.1 SSCL|APA16168.1

>Orthogroup5842: ANID|CBF81824.1 BCIN|XP\_024550470.1 CFRU|XP\_031892624.1 CGLO|KAF3797174.1 CHIG|XP\_018157331.1 CVIN|KAF4918833.1 CVYL|A10522 FGRM|XP\_011320215.1 MGRA|XP\_003855992.1 MORY|QBZ66127.1 NCRA|XP\_965771.3 SSCL|APA11180.1

>Orthogroup5843: ANID|CBF81831.1 BCIN|XP\_001550340.2 BGRA|VDB84097.1 CFRU|XP\_031890365.1 CGLO|KAF3806679.1 CHIG|XP\_018158648.1 CVIN|KAF4925954.1 CVYL|A13982 FGRM|XP\_011316600.1 MORY|QBZ62571.1 NCRA|XP\_963990.1 SSCL|APA10042.1

>Orthogroup5844: ANID|CBF81890.1 BCIN|XP\_001553029.1 CFRU|XP\_031886608.1 CGLO|KAF3807508.1 CHIG|XP\_018158794.1 CVIN|KAF4917519.1 CVYL|A05030 FGRM|XP\_011317305.1 MGRA|XP\_003857023.1 MORY|QBZ60351.1 NCRA|XP\_965267.1 SSCL|APA11269.1

>Orthogroup5845: ANID|CBF81912.1 BCIN|XP\_001558586.2 BGRA|VDB83619.1 CFRU|XP\_031885448.1 CGLO|KAF3806528.1 CHIG|XP\_018157566.1 CVIN|KAF4921357.1 CVYL|A09342 FGRM|XP\_011328071.1 MGRA|XP\_003851365.1 NCRA|XP\_011394179.1 SSCL|APA05711.1

>Orthogroup5846: ANID|CBF81942.1 BCIN|XP\_001558684.2 CFRU|XP\_031888500.1 CGLO|KAF3803542.1 CHIG|XP\_018164081.1 CVIN|KAF4922245.1 CVYL|A14474 FGRM|XP\_011316160.1 MLAR|XP\_007416954.1 MORY|QBZ56427.1 NCRA|XP\_965405.3 SSCL|APA05458.1

>Orthogroup5847: ANID|CBF81964.1 BCIN|XP\_024549777.1 CFRU|XP\_031886176.1 CGLO|KAF3806563.1 CHIG|XP\_018157603.1 CVIN|KAF4920474.1 CVYL|A09306 FGRM|XP\_011327886.1 MLAR|XP\_007408114.1 MORY|QBZ58910.1 NCRA|XP\_962373.1 SSCL|APA05722.1

>Orthogroup5848: ANID|CBF82012.1 BCIN|XP\_024549538.1 BGRA|VDB83576.1 CFRU|XP\_031893239.1 CGLO|KAF3800852.1 CHIG|XP\_018150846.1 CVIN|KAF4915575.1 CVYL|A11092 FGRM|XP\_011328040.1 MORY|QBZ57984.1 NCRA|XP\_962487.1 SSCL|APA09097.1

>Orthogroup5849: ANID|CBF82053.1 BCIN|XP\_001547354.1 CFRU|XP\_031887593.1 CGLO|KAF3811639.1 CHIG|XP\_018160914.1 CVIN|KAF4921460.1 CVYL|A03500 FGRM|XP\_011323583.1 MGRA|XP\_003853601.1 MORY|QBZ56597.1 NCRA|XP\_962664.1 SSCL|APA09103.1

>Orthogroup5850: ANID|CBF82076.1 BCIN|XP\_024549494.1 BGRA|VDB91329.1 CFRU|XP\_031887587.1 CGLO|KAF3811635.1 CVIN|KAF4921456.1 CVYL|A03495 FGRM|XP\_011323579.1 MGRA|XP\_003851461.1 MORY|QBZ56593.1 NCRA|XP\_011394381.1 SSCL|APA09143.1

>Orthogroup5851: ANID|CBF82080.1 BCIN|XP\_024549537.1 BGRA|VDB93991.1 CFRU|XP\_031890084.1 CGLO|KAF3798735.1 CHIG|XP\_018151260.1 CVIN|KAF4903213.1 CVYL|A09177 FGRM|XP\_011328074.1 MORY|QBZ55231.1 NCRA|XP\_962112.1 SSCL|APA09098.1

>Orthogroup5852: ANID|CBF82105.1 ANID|CBF83013.1 BCIN|XP\_001551543.2 CFRU|XP\_031880448.1 CGLO|KAF3807299.1 CHIG|XP\_018156975.1 CVIN|KAF4928125.1 CVYL|A10771 FGRM|XP\_011325243.1 MORY|QBZ60280.1 NCRA|XP\_964587.3 SSCL|APA11901.1

>Orthogroup5853: ANID|CBF82129.1 BCIN|XP\_024545976.1 CFRU|XP\_031876938.1 CGLO|KAF3810699.1 CHIG|XP\_018162465.1 CVIN|KAF4909747.1 CVYL|A07258 FGRM|XP\_011327001.1 MGRA|XP\_003851076.1 MORY|QBZ59321.1 NCRA|XP\_956666.3 SSCL|APA07422.1

>Orthogroup5854: ANID|CBF82153.1 CFRU|XP\_031888106.1 CFRU|XP\_031891136.1 CGLO|KAF3797938.1 CHIG|XP\_018161046.1 CVYL|A05369 FGRM|XP\_011315752.1 FGRM|XP\_011320809.1 FGRM|XP\_011320811.1 MGRA|XP\_003847669.1 MORY|QBZ57523.1 MORY|QBZ57524.1

>Orthogroup5855: ANID|CBF82186.1 CFRU|XP\_031876130.1 CFRU|XP\_031879549.1 CFRU|XP\_031890860.1 CGLO|KAF3801457.1 CGLO|KAF3802731.1 CVIN|KAF4912394.1 CVYL|A12668 FGRM|XP\_011315814.1 FGRM|XP\_011318052.1 FGRM|XP\_011319447.1 MGRA|XP\_003847770.1

>Orthogroup5856: ANID|CBF82354.1 BCIN|XP\_001550628.2 BGRA|VDB83888.1 CFRU|XP\_031886682.1 CGLO|KAF3807492.1 CHIG|XP\_018158738.1 CVIN|KAF4907607.1 CVYL|A05014 FGRM|XP\_011328340.1 MGRA|XP\_003852571.1 MORY|QBZ60354.1 SSCL|APA09377.1

>Orthogroup5857: ANID|CBF82369.1 BCIN|XP\_001552465.2 BCIN|XP\_024553945.1 CFRU|XP\_031880002.1 CFRU|XP\_031889703.1 CGLO|KAF3798995.1 CGLO|KAF3805955.1 CVIN|KAF4923490.1 CVYL|A07914 FGRM|XP\_011317514.1 MGRA|XP\_003848491.1 SSCL|APA15446.1

>Orthogroup5858: ANID|CBF82458.1 BCIN|XP\_001550974.1 BGRA|VDB90771.1 CFRU|XP\_031888253.1 CGLO|KAF3803492.1 CHIG|XP\_018164022.1 CVIN|KAF4926309.1 CVYL|A14421 MGRA|XP\_003857763.1 MORY|QBZ54724.1 NCRA|XP\_964413.3 SSCL|APA07066.1

>Orthogroup5859: ANID|CBF82462.1 BCIN|XP\_024546174.1 BGRA|VDB91129.1 CFRU|XP\_031888414.1 CHIG|XP\_018163792.1 CVIN|KAF4928555.1 CVYL|A14599 FGRM|XP\_011317041.1 MGRA|XP\_003855929.1 MORY|QBZ54656.1 NCRA|XP\_965278.2 SSCL|APA07055.1

>Orthogroup5860: ANID|CBF82497.1 BCIN|XP\_024546170.1 CFRU|XP\_031890636.1 CGLO|KAF3804921.1 CHIG|XP\_018164419.1 CVIN|KAF4919424.1 CVYL|A12135 FGRM|XP\_011317145.1 MLAR|XP\_007416653.1 MORY|QBZ56462.1 NCRA|XP\_011393034.1 SSCL|APA07062.1

>Orthogroup5861: ANID|CBF82506.1 BCIN|XP\_001553123.1 BGRA|VCU39580.1 CFRU|XP\_031887299.1 CGLO|KAF3809219.1 CHIG|XP\_018156046.1 CVIN|KAF4925284.1 CVYL|A01408 FGRM|XP\_011319070.1 MORY|QBZ57079.1 NCRA|XP\_961327.1 SSCL|APA16088.1

>Orthogroup5862: ANID|CBF82515.1 BCIN|XP\_024546526.1 BGRA|VCU39430.1 CFRU|XP\_031889766.1 CGLO|KAF3805903.1 CHIG|XP\_018158916.1 CVYL|A13809 FGRM|XP\_011315911.1 MGRA|XP\_003852762.1 MLAR|XP\_007418518.1 NCRA|XP\_965789.1 SSCL|APA06691.1

>Orthogroup5863: ANID|CBF82569.1 BCIN|XP\_001551273.1 CFRU|XP\_031882406.1 CGLO|KAF3807527.1 CHIG|XP\_018156410.1 CVIN|KAF4928937.1 CVYL|A02958 FGRM|XP\_011318603.1 MGRA|XP\_003853500.1 MORY|QBZ63661.1 NCRA|XP\_959746.1 SSCL|APA07551.1

>Orthogroup5864: ANID|CBF82587.1 BCIN|XP\_001561106.1 CFRU|XP\_031888248.1 CGLO|KAF3803458.1 CHIG|XP\_018163985.1 CVIN|KAF4926349.1 CVYL|A14386 FGRM|XP\_011326491.1 MGRA|XP\_003853863.1 MORY|QBZ63481.1 NCRA|XP\_011393169.1 SSCL|APA07078.1

>Orthogroup5865: ANID|CBF82607.1 BCIN|XP\_024548801.1 BGRA|VDB84087.1 CFRU|XP\_031890575.1 CGLO|KAF3806732.1 CHIG|XP\_018158710.1 CVIN|KAF4919490.1 CVYL|A14043 FGRM|XP\_011323386.1 MORY|QBZ60476.1 NCRA|XP\_963771.1 SSCL|APA09651.1

>Orthogroup5866: ANID|CBF82609.1 BCIN|XP\_001548098.2 CFRU|XP\_031889952.1 CGLO|KAF3802896.1 CHIG|XP\_018158486.1 CVIN|KAF4913032.1 CVYL|A05117 FGRM|XP\_011316400.1 MGRA|XP\_003855996.1 MORY|QBZ55967.1 NCRA|XP\_964744.2 SSCL|APA09505.1

>Orthogroup5867: ANID|CBF82613.1 BCIN|XP\_024548949.1 BGRA|VDB83970.1 CFRU|XP\_031890012.1 CGLO|KAF3802882.1 CHIG|XP\_018158494.1 CVIN|KAF4913022.1 CVYL|A05131 FGRM|XP\_011316406.1 MORY|QBZ55920.1 NCRA|XP\_963823.1 SSCL|APA09511.1

>Orthogroup5868: ANID|CBF82631.1 BCIN|XP\_001560087.1 CFRU|XP\_031890033.1 CGLO|KAF3798880.1 CHIG|XP\_018158549.1 CVIN|KAF4925574.1 CVYL|A05073 FGRM|XP\_011316623.1 MGRA|XP\_003857679.1 MORY|QBZ55974.1 NCRA|XP\_011392981.1 SSCL|APA09898.1

>Orthogroup5869: ANID|CBF82653.1 BCIN|XP\_024547206.1 CFRU|XP\_031892097.1 CGLO|KAF3800159.1 CHIG|XP\_018165092.1 CVIN|KAF4925829.1 CVYL|A06855 FGRM|XP\_011327703.1 MGRA|XP\_003848687.1 MLAR|XP\_007404850.1 NCRA|XP\_956067.3 SSCL|APA14134.1

>Orthogroup5870: ANID|CBF82675.1 BCIN|XP\_024547238.1 CFRU|XP\_031882044.1 CGLO|KAF3806149.1 CHIG|XP\_018164513.1 CVIN|KAF4907018.1 CVYL|A07358 FGRM|XP\_011325024.1 MGRA|XP\_003848388.1 MORY|QBZ60622.1 NCRA|XP\_959417.2 SSCL|APA14183.1

>Orthogroup5871: ANID|CBF82692.1 BCIN|XP\_024553199.1 BGRA|VDB88879.1 CFRU|XP\_031892014.1 CHIG|XP\_018165076.1 CVIN|KAF4925842.1 CVYL|A06832 FGRM|XP\_011327685.1 MGRA|XP\_003851598.1 MORY|QBZ60646.1 NCRA|XP\_001728521.2 SSCL|APA13466.1

>Orthogroup5872: ANID|CBF82703.1 BCIN|XP\_024549601.1 BGRA|VDB92908.1 CFRU|XP\_031891723.1 CGLO|KAF3800092.1 CHIG|XP\_018165031.1 CVIN|KAF4892845.1 CVYL|A06787 FGRM|XP\_011327765.1 MGRA|XP\_003851345.1 NCRA|XP\_956349.1 SSCL|APA13987.1

>Orthogroup5873: ANID|CBF82723.1 BCIN|XP\_024547327.1 BGRA|VDB88967.1 CFRU|XP\_031892519.1 CGLO|KAF3809098.1 CHIG|XP\_018155898.1 CVIN|KAF4922132.1 CVYL|A01285 FGRM|XP\_011318993.1 MORY|QBZ62270.1 NCRA|XP\_011395312.1 SSCL|APA14306.1

>Orthogroup5874: ANID|CBF82729.1 BCIN|XP\_001546664.1 BGRA|VDB93206.1 CFRU|XP\_031887415.1 CGLO|KAF3809278.1 CHIG|XP\_018156114.1 CVIN|KAF4921057.1 CVYL|A01472 FGRM|XP\_011318916.1 MORY|QBZ62203.1 NCRA|XP\_961261.1 SSCL|APA11529.1

>Orthogroup5875: ANID|CBF82826.1 BCIN|XP\_001553531.1 CFRU|XP\_031879956.1 CGLO|KAF3798928.1 CHIG|XP\_018152887.1 CVIN|KAF4908227.1 CVYL|A07848 FGRM|XP\_011328561.1 MGRA|XP\_003856971.1 MORY|QBZ64480.1 NCRA|XP\_964955.1 SSCL|APA06777.1

>Orthogroup5876: ANID|CBF82838.1 BCIN|XP\_024549184.1 CFRU|XP\_031889683.1 CGLO|KAF3810613.1 CHIG|XP\_018158956.1 CVIN|KAF4908281.1 CVYL|A13695 FGRM|XP\_011317203.1 MGRA|XP\_003857385.1 MORY|QBZ57360.1 NCRA|XP\_011395188.1 SSCL|APA15715.1

>Orthogroup5877: ANID|CBF82842.1 BCIN|XP\_001560971.2 BGRA|VCU39928.1 CFRU|XP\_031889618.1 CGLO|KAF3810558.1 CHIG|XP\_018159040.1 CVIN|KAF4892079.1 CVYL|A13636 FGRM|XP\_011328361.1 MORY|QBZ54529.1 NCRA|XP\_959819.2 SSCL|APA06711.1

>Orthogroup5878: ANID|CBF82857.1 BCIN|XP\_024545960.1 BCIN|XP\_024552816.1 CFRU|XP\_031889537.1 CGLO|KAF3805887.1 CHIG|XP\_018158895.1 CVIN|KAF4920781.1 CVYL|A13826 MLAR|XP\_007411378.1 MORY|QBZ64641.1 NCRA|XP\_001728250.2 SSCL|APA07405.1

>Orthogroup5879: ANID|CBF82864.1 BCIN|XP\_001555569.1 BGRA|VCU39851.1 CFRU|XP\_031890245.1 CHIG|XP\_018158472.1 CVIN|KAF4923841.1 CVYL|A05136 FGRM|XP\_011316390.1 MGRA|XP\_003856295.1 MORY|QBZ55891.1 NCRA|XP\_964746.2 SSCL|APA07433.1

>Orthogroup5880: ANID|CBF83023.1 CFRU|XP\_031879179.1 CFRU|XP\_031879920.1 CGLO|KAF3798919.1 CGLO|KAF3807066.1 CHIG|XP\_018159371.1 CHIG|XP\_018159725.1 CVIN|KAF4920248.1 CVYL|A04816 CVYL|A06359 NCRA|XP\_959677.2 NCRA|XP\_960061.3

>Orthogroup5881: ANID|CBF83118.1 BCIN|XP\_001547065.1 CFRU|XP\_031879108.1 CFRU|XP\_031881158.1 CGLO|KAF3798800.1 CGLO|KAF3802527.1 CHIG|XP\_018161396.1 CVIN|KAF4919598.1 CVYL|A02120 CVYL|A09127 FGRM|XP\_011326086.1 SSCL|APA05942.1

>Orthogroup5882: ANID|CBF83155.1 BCIN|XP\_024550439.1 CFRU|XP\_031887843.1 CGLO|KAF3802280.1 CHIG|XP\_018154354.1 CVIN|KAF4924407.1 CVYL|A10440 FGRM|XP\_011319794.1 MGRA|XP\_003853664.1 MORY|QBZ65755.1 NCRA|XP\_011392906.1 SSCL|APA11141.1

>Orthogroup5883: ANID|CBF83175.1 BCIN|XP\_001550068.1 CFRU|XP\_031878693.1 CGLO|KAF3798359.1 CHIG|XP\_018151135.1 CVIN|KAF4923596.1 CVYL|A09033 FGRM|XP\_011324543.1 MLAR|XP\_007404736.1 MLAR|XP\_007417734.1 MORY|QBZ60702.1 SSCL|APA16055.1

>Orthogroup5884: ANID|CBF83213.1 BCIN|XP\_001558659.1 CFRU|XP\_031881709.1 CGLO|KAF3805363.1 CHIG|XP\_018156748.1 CVIN|KAF4907233.1 CVYL|A11012 FGRM|XP\_011315776.1 MGRA|XP\_003848458.1 MORY|QBZ65407.1 NCRA|XP\_965427.1 SSCL|APA05432.1

>Orthogroup5885: ANID|CBF83228.1 BCIN|XP\_024553022.1 BGRA|VCU41234.1 CFRU|XP\_031885521.1 CGLO|KAF3799482.1 CHIG|XP\_018154466.1 CVIN|KAF4931787.1 CVYL|A13344 FGRM|XP\_011321198.1 MORY|QBZ57265.1 NCRA|XP\_963538.3 SSCL|APA16189.1

>Orthogroup5886: ANID|CBF83238.1 BCIN|XP\_024548667.1 BGRA|VDB89389.1 CFRU|XP\_031882547.1 CGLO|KAF3796927.1 CHIG|XP\_018152242.1 CVIN|KAF4899308.1 FGRM|XP\_011321221.1 MGRA|XP\_003856004.1 MORY|QBZ56647.1 NCRA|XP\_956126.1 SSCL|APA09878.1

>Orthogroup5887: ANID|CBF83266.1 BCIN|XP\_024548871.1 CFRU|XP\_031878017.1 CGLO|KAF3799578.1 CHIG|XP\_018154553.1 CVIN|KAF4926465.1 CVYL|A13438 FGRM|XP\_011325555.1 MGRA|XP\_003853383.1 MORY|QBZ53981.1 NCRA|XP\_011393695.1 SSCL|APA09426.1

>Orthogroup5888: ANID|CBF83275.1 BCIN|XP\_001559680.2 BGRA|VDB89400.1 CFRU|XP\_031878034.1 CGLO|KAF3799577.1 CHIG|XP\_018154554.1 CVIN|KAF4926464.1 CVYL|A13437 FGRM|XP\_011325554.1 MORY|QBZ53982.1 NCRA|XP\_955957.1 SSCL|APA09430.1

>Orthogroup5889: ANID|CBF83278.1 BCIN|XP\_024548594.1 BGRA|VDB89555.1 CFRU|XP\_031878057.1 CGLO|KAF3799602.1 CHIG|XP\_018154597.1 CVIN|KAF4926514.1 CVYL|A13464 FGRM|XP\_011316541.1 MORY|QBZ53986.1 NCRA|XP\_956483.1 SSCL|APA09799.1

>Orthogroup5890: ANID|CBF83295.1 BCIN|XP\_001557922.1 CFRU|XP\_031878838.1 CGLO|KAF3802578.1 CHIG|XP\_018161332.1 CVIN|KAF4917596.1 CVYL|A01865 FGRM|XP\_011321451.1 MGRA|XP\_003849001.1 MORY|QBZ65271.1 NCRA|XP\_011394356.1 SSCL|APA12731.1

>Orthogroup5891: ANID|CBF83303.1 BCIN|XP\_024553024.1 CFRU|XP\_031887430.1 CGLO|KAF3809328.1 CHIG|XP\_018156182.1 CVIN|KAF4924196.1 CVYL|A01532 FGRM|XP\_011318906.1 MGRA|XP\_003856672.1 MORY|QBZ57456.1 NCRA|XP\_011394473.1 SSCL|APA16187.1

>Orthogroup5892: ANID|CBF83308.1 BCIN|XP\_024545953.1 BGRA|VCU38931.1 CFRU|XP\_031887489.1 CHIG|XP\_018160880.1 CVIN|KAF4921445.1 CVYL|A03466 FGRM|XP\_011324866.1 MLAR|XP\_007413875.1 MORY|QBZ58883.1 NCRA|XP\_011394394.1 SSCL|APA07382.1

>Orthogroup5893: ANID|CBF83325.1 BCIN|XP\_024551938.1 BGRA|VDB91221.1 CFRU|XP\_031883820.1 CGLO|KAF3805162.1 CHIG|XP\_018163350.1 CVIN|KAF4927487.1 CVYL|A06588 FGRM|XP\_011321660.1 MORY|QBZ59389.1 NCRA|XP\_011394127.1 SSCL|APA06381.1

>Orthogroup5894: ANID|CBF83327.1 BCIN|XP\_001554672.1 CFRU|XP\_031891544.1 CGLO|KAF3797437.1 CHIG|XP\_018157400.1 CVIN|KAF4929365.1 CVYL|A10239 FGRM|XP\_011319868.1 MGRA|XP\_003855767.1 MORY|QBZ65614.1 NCRA|XP\_001728567.1 SSCL|APA11025.1

>Orthogroup5895: ANID|CBF83352.1 BCIN|XP\_001548308.2 BGRA|VCU39979.1 CFRU|XP\_031883765.1 CGLO|KAF3805149.1 CHIG|XP\_018163363.1 CVIN|KAF4927427.1 CVYL|A06407 FGRM|XP\_011321621.1 MORY|QBZ63261.1 NCRA|XP\_956925.2 SSCL|APA06378.1

>Orthogroup5896: ANID|CBF83380.1 ANID|CBF83672.1 CFRU|XP\_031876854.1 CFRU|XP\_031892691.1 CFRU|XP\_031892692.1 CGLO|KAF3797983.1 CGLO|KAF3799949.1 CHIG|XP\_018158020.1 CVIN|KAF4914924.1 CVIN|KAF4928117.1 CVYL|A08370 CVYL|A10703

>Orthogroup5897: ANID|CBF83381.1 BCIN|XP\_001560104.1 CFRU|XP\_031882552.1 CGLO|KAF3796930.1 CHIG|XP\_018152238.1 CVIN|KAF4901187.1 CVYL|A13248 FGRM|XP\_011325685.1 MGRA|XP\_003857630.1 MORY|QBZ56644.1 NCRA|XP\_956132.1 SSCL|APA09881.1

>Orthogroup5898: ANID|CBF83405.1 BCIN|XP\_024548574.1 BGRA|VDB89215.1 CFRU|XP\_031882643.1 CHIG|XP\_018152255.1 CVIN|KAF4891598.1 CVYL|A13260 FGRM|XP\_011324614.1 MGRA|XP\_003851927.1 MORY|QBZ54004.1 NCRA|XP\_955920.2 SSCL|APA10009.1

>Orthogroup5899: ANID|CBF83408.1 BCIN|XP\_001559655.1 CFRU|XP\_031885892.1 CGLO|KAF3805445.1 CHIG|XP\_018155309.1 CVIN|KAF4930400.1 CVYL|A05575 FGRM|XP\_011325481.1 MGRA|XP\_003851521.1 MORY|QBZ53793.1 NCRA|XP\_956830.1 SSCL|APA09418.1

>Orthogroup5900: ANID|CBF83416.1 BCIN|XP\_001548181.1 BGRA|VDB95231.1 CFRU|XP\_031882658.1 CGLO|KAF3796938.1 CHIG|XP\_018152226.1 CVIN|KAF4901180.1 CVYL|A13243 FGRM|XP\_011325695.1 MORY|QBZ62049.1 NCRA|XP\_956875.2 SSCL|APA15560.1

>Orthogroup5901: ANID|CBF83431.1 BCIN|XP\_024549216.1 BGRA|VDB90554.1 CFRU|XP\_031888469.1 CGLO|KAF3803505.1 CHIG|XP\_018164036.1 CVIN|KAF4908050.1 CVYL|A14435 FGRM|XP\_011326505.1 MGRA|XP\_003856676.1 NCRA|XP\_958424.3 SSCL|APA09009.1

>Orthogroup5902: ANID|CBF83453.1 BCIN|XP\_024547159.1 CFRU|XP\_031879741.1 CGLO|KAF3798172.1 CHIG|XP\_018154084.1 CVIN|KAF4919118.1 CVYL|A04946 MGRA|XP\_003847318.1 MGRA|XP\_003851574.1 MORY|QBZ64335.1 NCRA|XP\_959951.3 SSCL|APA14086.1

>Orthogroup5903: ANID|CBF83462.1 BCIN|XP\_001553658.1 CFRU|XP\_031892002.1 CHIG|XP\_018164729.1 CVIN|KAF4922356.1 CVYL|A07630 FGRM|XP\_011324967.1 MGRA|XP\_003848467.1 MLAR|XP\_007415431.1 MORY|QBZ64916.1 NCRA|XP\_958948.1 SSCL|APA13460.1

>Orthogroup5904: ANID|CBF83465.1 BCIN|XP\_024547301.1 BGRA|VDB83768.1 CFRU|XP\_031891716.1 CGLO|KAF3805566.1 CHIG|XP\_018164735.1 CVIN|KAF4922385.1 CVYL|A07637 FGRM|XP\_011324685.1 MORY|QBZ64921.1 NCRA|XP\_955941.1 SSCL|APA14261.1

>Orthogroup5905: ANID|CBF83484.1 BCIN|XP\_024547212.1 BGRA|VDB88975.1 CFRU|XP\_031892278.1 CGLO|KAF3805630.1 CHIG|XP\_018164696.1 CVIN|KAF4925722.1 CVYL|A07570 FGRM|XP\_011324676.1 MGRA|XP\_003848344.1 NCRA|XP\_959896.1 SSCL|APA14140.1

>Orthogroup5906: ANID|CBF83487.1 BCIN|XP\_001553657.1 CFRU|XP\_031892001.1 CGLO|KAF3805571.1 CHIG|XP\_018164730.1 CVIN|KAF4922382.1 CVYL|A07632 FGRM|XP\_011324673.1 MLAR|XP\_007419088.1 MORY|QBZ64915.1 NCRA|XP\_958949.2 SSCL|APA13459.1

>Orthogroup5907: ANID|CBF83500.1 ANID|CBF84715.1 BCIN|XP\_024548903.1 CFRU|XP\_031881198.1 CGLO|KAF3802454.1 CHIG|XP\_018154752.1 CVIN|KAF4916882.1 CVYL|A02044 FGRM|XP\_011316709.1 MLAR|XP\_007414318.1 MORY|QBZ54042.1 NCRA|XP\_956864.3

>Orthogroup5908: ANID|CBF83568.1 BCIN|XP\_024547344.1 BGRA|VDB89028.1 CFRU|XP\_031881958.1 CGLO|KAF3806160.1 CHIG|XP\_018164499.1 CVYL|A07347 FGRM|XP\_011325041.1 MGRA|XP\_003848659.1 MORY|QBZ59012.1 NCRA|XP\_959707.3 SSCL|APA14325.1

>Orthogroup5909: ANID|CBF83582.1 BCIN|XP\_001552791.1 BGRA|VDB89025.1 CFRU|XP\_031882042.1 CGLO|KAF3806155.1 CHIG|XP\_018164507.1 CVIN|KAF4907008.1 CVYL|A07352 FGRM|XP\_011325048.1 MORY|QBZ59006.1 NCRA|XP\_959714.2 SSCL|APA14043.1

>Orthogroup5910: ANID|CBF83585.1 BCIN|XP\_024549561.1 BGRA|VDB83786.1 CFRU|XP\_031875795.1 CGLO|KAF3796924.1 CHIG|XP\_018154097.1 CVIN|KAF4912174.1 CVYL|A03414 FGRM|XP\_011325407.1 MORY|QBZ60043.1 NCRA|XP\_011395373.1 SSCL|APA13930.1

>Orthogroup5911: ANID|CBF83619.1 BCIN|XP\_024548775.1 CFRU|XP\_031890460.1 CGLO|KAF3805278.1 CHIG|XP\_018158598.1 CVIN|KAF4901290.1 CVYL|A13929 FGRM|XP\_011328411.1 MGRA|XP\_003853236.1 MORY|QBZ55946.1 NCRA|XP\_965689.3 SSCL|APA09699.1

>Orthogroup5912: ANID|CBF83630.1 BCIN|XP\_024549240.1 CFRU|XP\_031888424.1 CGLO|KAF3803652.1 CHIG|XP\_018163815.1 CVIN|KAF4928542.1 CVYL|A14585 FGRM|XP\_011316998.1 MGRA|XP\_003853203.1 MORY|QBZ54663.1 NCRA|XP\_965050.1 SSCL|APA09027.1

>Orthogroup5913: ANID|CBF83642.1 BCIN|XP\_001557365.2 BGRA|VCU39761.1 CFRU|XP\_031893396.1 CGLO|KAF3808414.1 CHIG|XP\_018152492.1 CVIN|KAF4925010.1 CVYL|A09573 FGRM|XP\_011317931.1 MORY|QBZ54071.1 NCRA|XP\_958278.2 SSCL|APA10709.1

>Orthogroup5914: ANID|CBF83657.1 BCIN|XP\_024551376.1 CFRU|XP\_031878431.1 CGLO|KAF3802649.1 CHIG|XP\_018162508.1 CVIN|KAF4932013.1 CVYL|A07146 FGRM|XP\_011326960.1 MGRA|XP\_003856084.1 MLAR|XP\_007414302.1 NCRA|XP\_956161.2 SSCL|APA10601.1

>Orthogroup5915: ANID|CBF83710.1 BCIN|XP\_024551487.1 BGRA|VCU39752.1 CFRU|XP\_031893341.1 CGLO|KAF3808025.1 CHIG|XP\_018152355.1 CVIN|KAF4909483.1 CVYL|A09458 FGRM|XP\_011317758.1 MORY|QBZ54218.1 NCRA|XP\_011394511.1 SSCL|APA10390.1

>Orthogroup5916: ANID|CBF83713.1 BCIN|XP\_024546464.1 CFRU|XP\_031882906.1 CHIG|XP\_018164087.1 CVIN|KAF4923676.1 CVYL|A14253 FGRM|XP\_011326757.1 MGRA|XP\_003852217.1 MLAR|XP\_007408832.1 MORY|QBZ62746.1 NCRA|XP\_964206.2 SSCL|APA07081.1

>Orthogroup5917: ANID|CBF83730.1 BCIN|XP\_024546327.1 CFRU|XP\_031890351.1 CGLO|KAF3804949.1 CHIG|XP\_018164455.1 CVIN|KAF4910226.1 CVYL|A12105 FGRM|XP\_011316860.1 MLAR|XP\_007415598.1 MORY|QBZ55395.1 NCRA|XP\_011393138.1 SSCL|APA06896.1

>Orthogroup5918: ANID|CBF83751.1 BCIN|XP\_001558921.1 CFRU|XP\_031888308.1 CHIG|XP\_018164135.1 CVIN|KAF4922283.1 CVYL|A14483 FGRM|XP\_011316240.1 MGRA|XP\_003857349.1 MLAR|XP\_007418254.1 MORY|QBZ56402.1 NCRA|XP\_964130.1 SSCL|APA05803.1

>Orthogroup5919: ANID|CBF83806.1 BCIN|XP\_001554342.1 BGRA|VDB83766.1 CFRU|XP\_031881933.1 CGLO|KAF3806142.1 CHIG|XP\_018164519.1 CVIN|KAF4907016.1 CVYL|A07365 FGRM|XP\_011325004.1 MORY|QBZ62355.1 NCRA|XP\_959964.1 SSCL|APA14420.1

>Orthogroup5920: ANID|CBF83810.1 BCIN|XP\_024551854.1 BGRA|VDB95083.1 CFRU|XP\_031884994.1 CGLO|KAF3812201.1 CHIG|XP\_018153428.1 CVIN|KAF4920951.1 CVYL|A00184 FGRM|XP\_011316045.1 MORY|QBZ63515.1 NCRA|XP\_957914.2 SSCL|APA06296.1

>Orthogroup5921: ANID|CBF83813.1 BCIN|XP\_024551861.1 CFRU|XP\_031884921.1 CGLO|KAF3812203.1 CHIG|XP\_018153431.1 CVIN|KAF4920949.1 CVYL|A00182 FGRM|XP\_011316048.1 MGRA|XP\_003855811.1 MORY|QBZ63523.1 NCRA|XP\_011393293.1 SSCL|APA06307.1

>Orthogroup5922: ANID|CBF83835.1 BCIN|XP\_001556726.1 BGRA|VDB89269.1 CFRU|XP\_031881444.1 CGLO|KAF3800944.1 CHIG|XP\_018153212.1 CVIN|KAF4912784.1 CVYL|A05961 FGRM|XP\_011316278.1 MORY|QBZ63252.1 NCRA|XP\_962137.2 SSCL|APA14532.1

>Orthogroup5923: ANID|CBF83862.1 BCIN|XP\_024547528.1 CFRU|XP\_031887028.1 CGLO|KAF3811285.1 CHIG|XP\_018160510.1 CVIN|KAF4927226.1 CVYL|A04447 FGRM|XP\_011323628.1 MGRA|XP\_003852868.1 MORY|QBZ58031.1 NCRA|XP\_957918.1 SSCL|APA07708.1

>Orthogroup5924: ANID|CBF84045.1 BCIN|XP\_001547595.1 BGRA|VDB88937.1 CFRU|XP\_031882113.1 CGLO|KAF3806100.1 CHIG|XP\_018164571.1 CVIN|KAF4902341.1 CVYL|A07413 FGRM|XP\_011325009.1 MORY|QBZ60856.1 NCRA|XP\_958025.1 SSCL|APA14351.1

>Orthogroup5925: ANID|CBF84050.1 BCIN|XP\_024549566.1 CFRU|XP\_031876276.1 CGLO|KAF3805659.1 CHIG|XP\_018164673.1 CVIN|KAF4925715.1 CVYL|A07541 FGRM|XP\_011324664.1 MGRA|XP\_003851713.1 MORY|QBZ62317.1 NCRA|XP\_959636.1 SSCL|APA13942.1

>Orthogroup5926: ANID|CBF84078.1 BCIN|XP\_001546440.1 BGRA|VCU39032.1 CFRU|XP\_031888051.1 CHIG|XP\_018154361.1 CVYL|A10352 FGRM|XP\_011319800.1 MGRA|XP\_003847741.1 MLAR|XP\_007410880.1 MORY|QBZ65752.1 NCRA|XP\_964231.2 SSCL|APA07253.1

>Orthogroup5927: ANID|CBF84096.1 BCIN|XP\_001557020.1 CFRU|XP\_031878375.1 CGLO|KAF3810759.1 CHIG|XP\_018162556.1 CVIN|KAF4932080.1 CVYL|A07195 FGRM|XP\_011326316.1 MGRA|XP\_003856280.1 MORY|QBZ59710.1 NCRA|XP\_957025.3 SSCL|APA10249.1

>Orthogroup5928: ANID|CBF84114.1 BCIN|XP\_024549457.1 BGRA|VDB91081.1 CFRU|XP\_031888244.1 CGLO|KAF3803454.1 CHIG|XP\_018163981.1 CVIN|KAF4926296.1 CVYL|A14382 FGRM|XP\_011326488.1 MORY|QBZ63483.1 NCRA|XP\_958186.3 SSCL|APA09200.1

>Orthogroup5929: ANID|CBF84284.1 BCIN|XP\_024548291.1 BCIN|XP\_024550450.1 BCIN|XP\_024550547.1 BCIN|XP\_024550549.1 MGRA|XP\_003847486.1 SSCL|APA11154.1 SSCL|APA11340.1 SSCL|APA11342.1 SSCL|APA11417.1 SSCL|APA11419.1 SSCL|APA12539.1

>Orthogroup5930: ANID|CBF84636.1 BCIN|XP\_001559739.2 BCIN|XP\_024553387.1 CFRU|XP\_031882780.1 CGLO|KAF3803362.1 CHIG|XP\_018163956.1 CVIN|KAF4915993.1 CVYL|A14299 FGRM|XP\_011319446.1 MORY|QBZ64562.1 NCRA|XP\_959361.1 SSCL|APA09474.1

>Orthogroup5931: ANID|CBF84802.1 BCIN|XP\_001559712.1 BGRA|VDB93245.1 CFRU|XP\_031886727.1 CGLO|KAF3806774.1 CHIG|XP\_018158773.1 CVIN|KAF4905666.1 CVYL|A04988 FGRM|XP\_011316371.1 MORY|QBZ60404.1 NCRA|XP\_964964.1 SSCL|APA09456.1

>Orthogroup5932: ANID|CBF84830.1 BCIN|XP\_024548083.1 BGRA|VCU40952.1 CFRU|XP\_031882410.1 CGLO|KAF3809425.1 CHIG|XP\_018156266.1 CVIN|KAF4921395.1 CVYL|A03098 FGRM|XP\_011319068.1 MORY|QBZ62553.1 NCRA|XP\_960836.2 SSCL|APA12738.1

>Orthogroup5933: ANID|CBF84842.1 BCIN|XP\_001554009.1 BGRA|VDB94921.1 CFRU|XP\_031887342.1 CGLO|KAF3809370.1 CHIG|XP\_018156224.1 CVIN|KAF4902042.1 CVYL|A01580 FGRM|XP\_011323899.1 MGRA|XP\_003853677.1 MORY|QBZ65016.1 SSCL|APA11105.1

>Orthogroup5934: ANID|CBF84855.1 BCIN|XP\_001561396.2 BGRA|VDB91134.1 CFRU|XP\_031888232.1 CGLO|KAF3803474.1 CHIG|XP\_018164004.1 CVIN|KAF4926346.1 CVYL|A14404 FGRM|XP\_011316864.1 MORY|QBZ55347.1 NCRA|XP\_965447.1 SSCL|APA06907.1

>Orthogroup5935: ANID|CBF84858.1 BCIN|XP\_024550784.1 CFRU|XP\_031887420.1 CGLO|KAF3809176.1 CHIG|XP\_018155998.1 CVIN|KAF4919834.1 CVYL|A01363 FGRM|XP\_011319102.1 MGRA|XP\_003856501.1 MORY|QBZ57479.1 NCRA|XP\_957885.3 SSCL|APA11872.1

>Orthogroup5936: ANID|CBF84860.1 BCIN|XP\_001556046.1 BGRA|VDB89255.1 CFRU|XP\_031887076.1 CGLO|KAF3811394.1 CHIG|XP\_018160630.1 CVIN|KAF4919703.1 CVYL|A04587 FGRM|XP\_011327187.1 MORY|QBZ64735.1 NCRA|XP\_001728173.1 SSCL|APA13958.1

>Orthogroup5937: ANID|CBF84875.1 BCIN|XP\_001553831.1 CFRU|XP\_031892650.1 CGLO|KAF3812266.1 CHIG|XP\_018153489.1 CVIN|KAF4919910.1 CVYL|A00119 FGRM|XP\_011324161.1 MLAR|XP\_007414472.1 MORY|QBZ55272.1 NCRA|XP\_001728481.2 SSCL|APA05901.1

>Orthogroup5938: ANID|CBF84877.1 BCIN|XP\_001553830.2 BGRA|VDB93659.1 CFRU|XP\_031892647.1 CHIG|XP\_018153488.1 CVIN|KAF4919909.1 CVYL|A00120 FGRM|XP\_011324163.1 MGRA|XP\_003856757.1 MORY|QBZ55273.1 NCRA|XP\_965160.1 SSCL|APA05902.1

>Orthogroup5939: ANID|CBF84886.1 BCIN|XP\_024547028.1 CFRU|XP\_031884702.1 CGLO|KAF3812222.1 CHIG|XP\_018153444.1 CVIN|KAF4920986.1 CVYL|A00164 FGRM|XP\_011316061.1 MGRA|XP\_003857034.1 MORY|QBZ55284.1 NCRA|XP\_958902.2 SSCL|APA05912.1

>Orthogroup5940: ANID|CBF84908.1 BCIN|XP\_001555920.1 CFRU|XP\_031876511.1 CGLO|KAF3797000.1 CHIG|XP\_018153686.1 CVIN|KAF4889310.1 FGRM|XP\_011317169.1 MGRA|XP\_003857189.1 MLAR|XP\_007404764.1 MORY|QBZ63958.1 NCRA|XP\_011393050.1 SSCL|APA06033.1

>Orthogroup5941: ANID|CBF84949.1 BCIN|XP\_001549251.1 BGRA|VDB91067.1 CFRU|XP\_031888433.1 CGLO|KAF3803466.1 CHIG|XP\_018163996.1 CVIN|KAF4926315.1 CVYL|A14396 MGRA|XP\_003853206.1 MORY|QBZ63491.1 NCRA|XP\_958182.3 SSCL|APA09203.1

>Orthogroup5942: ANID|CBF84954.1 BCIN|XP\_001558657.1 CFRU|XP\_031882167.1 CGLO|KAF3804476.1 CHIG|XP\_018160310.1 CVIN|KAF4930988.1 CVYL|A04191 FGRM|XP\_011324714.1 MGRA|XP\_003850007.1 MGRA|XP\_003857368.1 MORY|QBZ59053.1 NCRA|XP\_960935.2

>Orthogroup5943: ANID|CBF84973.1 BCIN|XP\_024551385.1 CFRU|XP\_031886573.1 CGLO|KAF3800287.1 CHIG|XP\_018162775.1 CVIN|KAF4927603.1 CVYL|A06947 FGRM|XP\_011318468.1 MLAR|XP\_007412911.1 MORY|QBZ63886.1 NCRA|XP\_956670.2 SSCL|APA10613.1

>Orthogroup5944: ANID|CBF84980.1 BCIN|XP\_001550368.1 BGRA|VCU40217.1 CFRU|XP\_031886675.1 CGLO|KAF3807497.1 CHIG|XP\_018158735.1 CVIN|KAF4917529.1 CVYL|A05019 FGRM|XP\_011328338.1 MORY|QBZ60467.1 NCRA|XP\_011392926.1 SSCL|APA10061.1

>Orthogroup5945: ANID|CBF84987.1 BCIN|XP\_024551226.1 BGRA|VCU41113.1 CFRU|XP\_031883196.1 CGLO|KAF3808156.1 CHIG|XP\_018163252.1 CVIN|KAF4924311.1 CVYL|A00507 MGRA|XP\_003853376.1 MORY|QBZ63084.1 NCRA|XP\_959038.1 SSCL|APA10114.1

>Orthogroup5946: ANID|CBF84989.1 BCIN|XP\_001555753.1 CFRU|XP\_031883203.1 CGLO|KAF3808155.1 CVIN|KAF4924312.1 CVYL|A00506 FGRM|XP\_011326225.1 MLAR|XP\_007411472.1 MLAR|XP\_007419577.1 MORY|QBZ63085.1 NCRA|XP\_001728096.1 SSCL|APA10115.1

>Orthogroup5947: ANID|CBF85022.1 BCIN|XP\_001559688.1 BGRA|VCU40238.1 CFRU|XP\_031886745.1 CHIG|XP\_018158779.1 CVIN|KAF4905662.1 CVYL|A04983 FGRM|XP\_011316376.1 MGRA|XP\_003852377.1 MORY|QBZ60408.1 NCRA|XP\_011393091.1 SSCL|APA09448.1

>Orthogroup5948: ANID|CBF85052.1 BCIN|XP\_024547031.1 BGRA|VDB93650.1 CFRU|XP\_031884701.1 CGLO|KAF3812225.1 CHIG|XP\_018153447.1 CVIN|KAF4920989.1 CVYL|A00161 FGRM|XP\_011316064.1 MGRA|XP\_003856761.1 NCRA|XP\_958899.1 SSCL|APA05915.1

>Orthogroup5949: ANID|CBF85060.1 BCIN|XP\_001553738.1 BGRA|VDB93668.1 CFRU|XP\_031888399.1 CHIG|XP\_018163764.1 CVIN|KAF4928535.1 CVYL|A14620 FGRM|XP\_011316035.1 MGRA|XP\_003856321.1 MORY|QBZ55550.1 NCRA|XP\_964306.1 SSCL|APA06137.1

>Orthogroup5950: ANID|CBF85082.1 BCIN|XP\_001553716.1 BGRA|VDB93879.1 CFRU|XP\_031876504.1 CHIG|XP\_018153683.1 CVYL|A00368 FGRM|XP\_011317166.1 MGRA|XP\_003856945.1 MLAR|XP\_007404594.1 MORY|QBZ63943.1 NCRA|XP\_011393282.1 SSCL|APA13500.1

>Orthogroup5951: ANID|CBF85085.1 BCIN|XP\_001546710.1 CFRU|XP\_031884899.1 CGLO|KAF3812129.1 CHIG|XP\_018153357.1 CVIN|KAF4910011.1 CVYL|A00269 FGRM|XP\_011320534.1 MGRA|XP\_003848843.1 MORY|QBZ61162.1 NCRA|XP\_958354.1 SSCL|APA12435.1

>Orthogroup5952: ANID|CBF85102.1 BCIN|XP\_024546179.1 BGRA|VDB91130.1 CFRU|XP\_031890400.1 CGLO|KAF3804806.1 CHIG|XP\_018164301.1 CVIN|KAF4929749.1 CVYL|A12265 FGRM|XP\_011317026.1 MORY|QBZ54741.1 NCRA|XP\_964029.2 SSCL|APA07048.1

>Orthogroup5953: ANID|CBF85237.1 CFRU|XP\_031881092.1 CFRU|XP\_031890658.1 CGLO|KAF3804935.1 CGLO|KAF3809826.1 CHIG|XP\_018161411.1 CHIG|XP\_018164437.1 CVIN|KAF4919426.1 CVIN|KAF4930692.1 CVYL|A01786 CVYL|A12119 FGRM|XP\_011316039.1

>Orthogroup5954: ANID|CBF85267.1 BCIN|XP\_001561439.2 BGRA|VDB90864.1 CFRU|XP\_031888344.1 CHIG|XP\_018164124.1 CVIN|KAF4922291.1 CVYL|A14496 FGRM|XP\_011326502.1 MGRA|XP\_003851272.1 MORY|QBZ56408.1 NCRA|XP\_964460.1 SSCL|APA06937.1

>Orthogroup5955: ANID|CBF85332.1 BCIN|XP\_001560987.1 BGRA|VDB92861.1 CFRU|XP\_031889566.1 CGLO|KAF3805868.1 CHIG|XP\_018158875.1 CVIN|KAF4907181.1 CVYL|A13846 FGRM|XP\_011328616.1 MORY|QBZ60510.1 NCRA|XP\_965718.1 SSCL|APA06697.1

>Orthogroup5956: ANID|CBF85343.1 BCIN|XP\_024546713.1 BGRA|VCU39952.1 CFRU|XP\_031889792.1 CGLO|KAF3805224.1 CHIG|XP\_018158844.1 CVIN|KAF4911357.1 CVYL|A13872 FGRM|XP\_011317297.1 MORY|QBZ60342.1 NCRA|XP\_011392930.1 SSCL|APA06839.1

>Orthogroup5957: ANID|CBF85347.1 BCIN|XP\_001552391.2 CFRU|XP\_031889482.1 CGLO|KAF3808850.1 CHIG|XP\_018155748.1 CVIN|KAF4909977.1 CVYL|A01230 FGRM|XP\_011319362.1 MGRA|XP\_003857673.1 MORY|QBZ62234.1 NCRA|XP\_961251.2 SSCL|APA11206.1

>Orthogroup5958: ANID|CBF85374.1 BCIN|XP\_024547343.1 CFRU|XP\_031878514.1 CGLO|KAF3798616.1 CHIG|XP\_018153915.1 CVIN|KAF4930146.1 CVYL|A04829 FGRM|XP\_011323205.1 MLAR|XP\_007406411.1 MORY|QBZ60859.1 NCRA|XP\_959884.2 SSCL|APA14326.1

>Orthogroup5959: ANID|CBF85384.1 BCIN|XP\_001556539.1 BGRA|VDB96416.1 CFRU|XP\_031879582.1 CGLO|KAF3802692.1 CHIG|XP\_018159124.1 CVIN|KAF4889147.1 CVYL|A08017 FGRM|XP\_011327252.1 MORY|QBZ56886.1 NCRA|XP\_959619.1 SSCL|APA06803.1

>Orthogroup5960: ANID|CBF85431.1 BCIN|XP\_024549372.1 BGRA|VCU40523.1 CFRU|XP\_031886622.1 CHIG|XP\_018158793.1 CVIN|KAF4917520.1 CVYL|A05031 FGRM|XP\_011317304.1 MGRA|XP\_003852133.1 MORY|QBZ60352.1 NCRA|XP\_965268.1 SSCL|APA15826.1

>Orthogroup5961: ANID|CBF85492.1 BCIN|XP\_024552624.1 CFRU|XP\_031878332.1 CGLO|KAF3798049.1 CHIG|XP\_018158096.1 CVIN|KAF4928010.1 CVYL|A08307 FGRM|XP\_011323854.1 MGRA|XP\_003853336.1 MORY|QBZ62731.1 NCRA|XP\_957656.1 SSCL|APA08715.1

>Orthogroup5962: ANID|CBF85503.1 BCIN|XP\_024553598.1 CFRU|XP\_031889089.1 CGLO|KAF3797663.1 CHIG|XP\_018155437.1 CVIN|KAF4919369.1 CVYL|A01107 FGRM|XP\_011323879.1 MGRA|XP\_003857321.1 MORY|QBZ57704.1 NCRA|XP\_011394980.1 SSCL|APA08448.1

>Orthogroup5963: ANID|CBF85507.1 BCIN|XP\_001549650.1 BGRA|VCU40780.1 CFRU|XP\_031889090.1 CGLO|KAF3797672.1 CHIG|XP\_018155445.1 CVIN|KAF4919388.1 CVYL|A01098 FGRM|XP\_011323891.1 MORY|QBZ57712.1 NCRA|XP\_011395073.1 SSCL|APA11422.1

>Orthogroup5964: ANID|CBF85543.1 BCIN|XP\_024553610.1 CFRU|XP\_031889084.1 CGLO|KAF3797669.1 CHIG|XP\_018155442.1 CVIN|KAF4919365.1 CVYL|A01101 FGRM|XP\_011323888.1 MLAR|XP\_007407508.1 MORY|QBZ57697.1 NCRA|XP\_958787.1 SSCL|APA08456.1

>Orthogroup5965: ANID|CBF85571.1 BCIN|XP\_024549767.1 BGRA|VDB86350.1 CFRU|XP\_031885449.1 CGLO|KAF3806529.1 CHIG|XP\_018157567.1 CVIN|KAF4921356.1 CVYL|A09341 MGRA|XP\_003852280.1 MORY|QBZ64511.1 NCRA|XP\_962398.3 SSCL|APA05712.1

>Orthogroup5966: ANID|CBF85579.1 BCIN|XP\_024548989.1 BGRA|VDB84095.1 CFRU|XP\_031886823.1 CGLO|KAF3807503.1 CHIG|XP\_018158728.1 CVIN|KAF4917502.1 CVYL|A05025 FGRM|XP\_011315929.1 MORY|QBZ60475.1 NCRA|XP\_965030.3 SSCL|APA09358.1

>Orthogroup5967: ANID|CBF85586.1 BCIN|XP\_001553094.2 CFRU|XP\_031882496.1 CGLO|KAF3807616.1 CHIG|XP\_018156318.1 CVIN|KAF4928882.1 CVYL|A03138 FGRM|XP\_011318969.1 MGRA|XP\_003857535.1 MORY|QBZ57449.1 NCRA|XP\_958858.1 SSCL|APA16113.1

>Orthogroup5968: ANID|CBF85593.1 CFRU|XP\_031890174.1 CGLO|KAF3802833.1 CHIG|XP\_018152521.1 CHIG|XP\_018158435.1 CVIN|KAF4905792.1 CVYL|A05178 FGRM|XP\_011328626.1 MGRA|XP\_003856838.1 MORY|QBZ61755.1 MORY|QBZ64417.1 MORY|QBZ66666.1

>Orthogroup5969: ANID|CBF85677.1 BCIN|XP\_001552442.1 BGRA|VDB92631.1 CFRU|XP\_031890407.1 CGLO|KAF3804957.1 CHIG|XP\_018164463.1 CVIN|KAF4910214.1 CVYL|A12096 FGRM|XP\_011317112.1 MGRA|XP\_003851286.1 MORY|QBZ61471.1 SSCL|APA14919.1

>Orthogroup5970: ANID|CBF85694.1 BCIN|XP\_001552160.1 BGRA|VDB92848.1 CFRU|XP\_031886668.1 CGLO|KAF3804029.1 CHIG|XP\_018162741.1 CVIN|KAF4927587.1 CVYL|A06982 FGRM|XP\_011326379.1 MORY|QBZ59536.1 NCRA|XP\_957829.2 SSCL|APA05272.1

>Orthogroup5971: ANID|CBF85699.1 BCIN|XP\_024553661.1 CFRU|XP\_031892988.1 CGLO|KAF3808010.1 CHIG|XP\_018152370.1 CVIN|KAF4909506.1 CVYL|A09473 FGRM|XP\_011317738.1 MGRA|XP\_003854305.1 MORY|QBZ54208.1 NCRA|XP\_961269.1 SSCL|APA15040.1

>Orthogroup5972: ANID|CBF85701.1 BCIN|XP\_001551111.1 BGRA|VDB96331.1 CFRU|XP\_031892989.1 CGLO|KAF3808009.1 CHIG|XP\_018152371.1 CVYL|A09474 FGRM|XP\_011317737.1 MGRA|XP\_003853975.1 MORY|QBZ54200.1 NCRA|XP\_961270.2 SSCL|APA15039.1

>Orthogroup5973: ANID|CBF85783.1 BCIN|XP\_001558308.1 CFRU|XP\_031882645.1 CGLO|KAF3799393.1 CHIG|XP\_018152259.1 CVIN|KAF4899302.1 CVYL|A13255 FGRM|XP\_011324620.1 MGRA|XP\_003852577.1 MORY|QBZ53998.1 NCRA|XP\_956614.1 SSCL|APA13691.1

>Orthogroup5974: ANID|CBF85784.1 BCIN|XP\_024552694.1 BGRA|VDB88106.1 CFRU|XP\_031890920.1 CGLO|KAF3801579.1 CHIG|XP\_018151332.1 CVIN|KAF4922724.1 CVYL|A12553 FGRM|XP\_011328264.1 MORY|QBZ53899.1 NCRA|XP\_960244.1 SSCL|APA15499.1

>Orthogroup5975: ANID|CBF85810.1 BCIN|XP\_001554782.2 CFRU|XP\_031889129.1 CGLO|KAF3803173.1 CHIG|XP\_018155503.1 CVIN|KAF4928302.1 CVYL|A01061 FGRM|XP\_011323871.1 MGRA|XP\_003856373.1 MORY|QBZ58643.1 NCRA|XP\_958780.2 SSCL|APA15505.1

>Orthogroup5976: ANID|CBF85819.1 BCIN|XP\_001557048.1 BGRA|VDB87800.1 CFRU|XP\_031885855.1 CGLO|KAF3810223.1 CHIG|XP\_018157848.1 CVIN|KAF4929191.1 CVYL|A02820 FGRM|XP\_011320323.1 MORY|QBZ61293.1 NCRA|XP\_957610.1 SSCL|APA08503.1

>Orthogroup5977: ANID|CBF85855.1 BCIN|XP\_024548672.1 CFRU|XP\_031886287.1 CGLO|KAF3806179.1 CHIG|XP\_018162166.1 CVIN|KAF4931553.1 CVYL|A11765 FGRM|XP\_011326721.1 MGRA|XP\_003856139.1 MORY|QBZ63147.1 NCRA|XP\_957748.1 SSCL|APA09880.1

>Orthogroup5978: ANID|CBF85858.1 BCIN|XP\_001550101.1 BGRA|VCU39675.1 CFRU|XP\_031887307.1 CGLO|KAF3809235.1 CHIG|XP\_018156068.1 CVIN|KAF4925291.1 CVYL|A01425 FGRM|XP\_011319107.1 MGRA|XP\_003857647.1 NCRA|XP\_961645.2 SSCL|APA16033.1

>Orthogroup5979: ANID|CBF85868.1 BCIN|XP\_001557071.1 CFRU|XP\_031885851.1 CGLO|KAF3810266.1 CHIG|XP\_018157928.1 CVIN|KAF4918602.1 CVYL|A02868 FGRM|XP\_011328516.1 MGRA|XP\_003856357.1 MORY|QBZ62404.1 NCRA|XP\_956087.2 SSCL|APA08518.1

>Orthogroup5980: ANID|CBF85885.1 BCIN|XP\_024548456.1 CFRU|XP\_031887245.1 CGLO|KAF3809290.1 CHIG|XP\_018156118.1 CVIN|KAF4921075.1 CVYL|A01485 FGRM|XP\_011319356.1 MGRA|XP\_003855989.1 MORY|QBZ59026.1 NCRA|XP\_961240.1 SSCL|APA12224.1

>Orthogroup5981: ANID|CBF85892.1 BCIN|XP\_024548261.1 CFRU|XP\_031887275.1 CGLO|KAF3809195.1 CHIG|XP\_018156020.1 CVIN|KAF4925312.1 CVYL|A01384 FGRM|XP\_011319115.1 MGRA|XP\_003856040.1 MLAR|XP\_007407346.1 NCRA|XP\_960829.3 SSCL|APA12512.1

>Orthogroup5982: ANID|CBF85901.1 BCIN|XP\_024547993.1 CFRU|XP\_031888551.1 CGLO|KAF3803609.1 CHIG|XP\_018163853.1 CVIN|KAF4920384.1 CVYL|A14543 FGRM|XP\_011316719.1 MGRA|XP\_003857188.1 MORY|QBZ62993.1 NCRA|XP\_958131.2 SSCL|APA08339.1

>Orthogroup5983: ANID|CBF85905.1 BCIN|XP\_024553110.1 BGRA|VCU41245.1 CFRU|XP\_031891067.1 CGLO|KAF3811663.1 CHIG|XP\_018151864.1 CVIN|KAF4892838.1 CVYL|A12688 FGRM|XP\_011325654.1 MORY|QBZ55809.1 NCRA|XP\_963184.2 SSCL|APA16331.1

>Orthogroup5984: ANID|CBF85933.1 BCIN|XP\_001550195.1 BGRA|VCU39723.1 CFRU|XP\_031886127.1 CGLO|KAF3805427.1 CHIG|XP\_018155287.1 CVIN|KAF4930407.1 CVYL|A05557 FGRM|XP\_011324662.1 MORY|QBZ54025.1 NCRA|XP\_963630.2 SSCL|APA16323.1

>Orthogroup5985: ANID|CBF85964.1 BCIN|XP\_001550194.1 CFRU|XP\_031886123.1 CGLO|KAF3805428.1 CHIG|XP\_018155288.1 CVIN|KAF4930410.1 CVYL|A05558 FGRM|XP\_011324663.1 MGRA|XP\_003856526.1 MORY|QBZ54024.1 NCRA|XP\_963631.1 SSCL|APA16322.1

>Orthogroup5986: ANID|CBF85968.1 BCIN|XP\_024548361.1 CFRU|XP\_031885498.1 CGLO|KAF3799519.1 CHIG|XP\_018154508.1 CVIN|KAF4931763.1 CVYL|A13379 FGRM|XP\_011324929.1 MLAR|XP\_007412624.1 MORY|QBZ62082.1 NCRA|XP\_001728424.2 SSCL|APA12358.1

>Orthogroup5987: ANID|CBF85977.1 BCIN|XP\_024550466.1 BGRA|VDB90359.1 CFRU|XP\_031885587.1 CGLO|KAF3810171.1 CHIG|XP\_018157789.1 CVIN|KAF4929113.1 CVYL|A02762 FGRM|XP\_011320128.1 MORY|QBZ61291.1 NCRA|XP\_956560.2 SSCL|APA11177.1

>Orthogroup5988: ANID|CBF85994.1 BCIN|XP\_024548854.1 CFRU|XP\_031890967.1 CGLO|KAF3811719.1 CHIG|XP\_018151816.1 CVIN|KAF4922981.1 CVYL|A12736 FGRM|XP\_011319399.1 MGRA|XP\_003848747.1 MORY|QBZ61925.1 NCRA|XP\_959658.1 SSCL|APA09466.1

>Orthogroup5989: ANID|CBF85999.1 BCIN|XP\_024550578.1 BGRA|VDB94565.1 CFRU|XP\_031882310.1 CHIG|XP\_018160240.1 CVIN|KAF4930957.1 CVYL|A04116 FGRM|XP\_011328783.1 MGRA|XP\_003855358.1 MORY|QBZ59149.1 NCRA|XP\_960634.1 SSCL|APA11378.1

>Orthogroup5990: ANID|CBF86003.1 BCIN|XP\_024550579.1 CFRU|XP\_031891479.1 CGLO|KAF3804497.1 CHIG|XP\_018160325.1 CVIN|KAF4930977.1 CVYL|A04212 FGRM|XP\_011324746.1 MGRA|XP\_003855122.1 MORY|QBZ59094.1 NCRA|XP\_011394521.1 SSCL|APA11380.1

>Orthogroup5991: ANID|CBF86012.1 BCIN|XP\_024548339.1 CFRU|XP\_031881994.1 CFRU|XP\_031883078.1 CGLO|KAF3800708.1 CGLO|KAF3806053.1 CHIG|XP\_018163263.1 CVIN|KAF4917847.1 CVIN|KAF4919746.1 CVYL|A00497 MORY|QBZ66483.1 SSCL|APA12593.1

>Orthogroup5992: ANID|CBF86077.1 BCIN|XP\_001552124.2 CFRU|XP\_031892987.1 CGLO|KAF3808011.1 CHIG|XP\_018152369.1 CVIN|KAF4909493.1 CVYL|A09472 FGRM|XP\_011317739.1 MLAR|XP\_007403510.1 MORY|QBZ54209.1 NCRA|XP\_961275.2 SSCL|APA05276.1

>Orthogroup5993: ANID|CBF86079.1 BCIN|XP\_024553658.1 BGRA|VDB96330.1 CFRU|XP\_031893607.1 CGLO|KAF3808007.1 CHIG|XP\_018152373.1 CVIN|KAF4895816.1 CVYL|A09476 FGRM|XP\_011317735.1 MORY|QBZ54202.1 NCRA|XP\_011394616.1 SSCL|APA15038.1

>Orthogroup5994: ANID|CBF86100.1 BCIN|XP\_024551099.1 BGRA|VDB88086.1 CFRU|XP\_031883988.1 CGLO|KAF3805074.1 CHIG|XP\_018163440.1 CVIN|KAF4927416.1 CVYL|A06485 FGRM|XP\_011324569.1 MGRA|XP\_003855059.1 MORY|QBZ58184.1 SSCL|APA12046.1

>Orthogroup5995: ANID|CBF86111.1 BCIN|XP\_001556382.2 CFRU|XP\_031885783.1 CGLO|KAF3810098.1 CHIG|XP\_018157892.1 CVYL|A02691 FGRM|XP\_011328229.1 MGRA|XP\_003853454.1 MLAR|XP\_007408496.1 MORY|QBZ61305.1 NCRA|XP\_011394883.1 SSCL|APA08704.1

>Orthogroup5996: ANID|CBF86130.1 BCIN|XP\_024552673.1 CFRU|XP\_031883372.1 CGLO|KAF3801719.1 CHIG|XP\_018159234.1 CVIN|KAF4922947.1 CVYL|A12982 FGRM|XP\_011320271.1 MLAR|XP\_007411446.1 MORY|QBZ62857.1 NCRA|XP\_960399.2 SSCL|APA15540.1

>Orthogroup5997: ANID|CBF86133.1 BCIN|XP\_024552477.1 BGRA|VDB87678.1 CFRU|XP\_031885704.1 CGLO|KAF3810217.1 CHIG|XP\_018157841.1 CVIN|KAF4929185.1 CVYL|A02814 MGRA|XP\_003852955.1 MORY|QBZ61301.1 NCRA|XP\_957601.2 SSCL|APA08532.1

>Orthogroup5998: ANID|CBF86135.1 BCIN|XP\_001547324.2 BGRA|VDB89750.1 CFRU|XP\_031885749.1 CGLO|KAF3810186.1 CVIN|KAF4929123.1 CVYL|A02778 FGRM|XP\_011319982.1 MGRA|XP\_003855741.1 MORY|QBZ61277.1 NCRA|XP\_957546.1 SSCL|APA15631.1

>Orthogroup5999: ANID|CBF86153.1 BCIN|XP\_001559018.2 BGRA|VDB90891.1 CFRU|XP\_031882882.1 CGLO|KAF3803370.1 CHIG|XP\_018163964.1 CVIN|KAF4915977.1 CVYL|A14291 FGRM|XP\_011316811.1 MORY|QBZ62782.1 NCRA|XP\_963815.2 SSCL|APA09244.1

>Orthogroup6000: ANID|CBF86161.1 BCIN|XP\_001549400.1 CFRU|XP\_031880273.1 CGLO|KAF3809080.1 CHIG|XP\_018155921.1 CVIN|KAF4919722.1 CVYL|A01632 FGRM|XP\_011319142.1 MGRA|XP\_003848295.1 MORY|QBZ57363.1 NCRA|XP\_961054.3 SSCL|APA11711.1

>Orthogroup6001: ANID|CBF86178.1 BCIN|XP\_001561275.1 CFRU|XP\_031882852.1 CGLO|KAF3803443.1 CHIG|XP\_018163971.1 CVIN|KAF4926281.1 CVYL|A14372 FGRM|XP\_011316234.1 MLAR|XP\_007412691.1 MORY|QBZ63924.1 NCRA|XP\_011393209.1 SSCL|APA06595.1

>Orthogroup6002: ANID|CBF86223.1 BCIN|XP\_001556291.1 BGRA|VDB92933.1 CFRU|XP\_031889336.1 CGLO|KAF3797667.1 CHIG|XP\_018155441.1 CVIN|KAF4919366.1 CVYL|A01103 FGRM|XP\_011323885.1 MORY|QBZ57699.1 NCRA|XP\_958788.1 SSCL|APA15677.1

>Orthogroup6003: ANID|CBF86225.1 BCIN|XP\_001555342.2 CFRU|XP\_031885717.1 CGLO|KAF3810152.1 CHIG|XP\_018157984.1 CVIN|KAF4929102.1 CVYL|A02742 FGRM|XP\_011317580.1 MGRA|XP\_003857451.1 MORY|QBZ59834.1 NCRA|XP\_956085.2 SSCL|APA08465.1

>Orthogroup6004: ANID|CBF86257.1 BCIN|XP\_024550601.1 BGRA|VDB93454.1 CFRU|XP\_031886870.1 CGLO|KAF3811423.1 CHIG|XP\_018160662.1 CVIN|KAF4919689.1 CVYL|A04621 MGRA|XP\_003854879.1 MORY|QBZ57131.1 NCRA|XP\_961742.1 SSCL|APA11409.1

>Orthogroup6005: ANID|CBF86296.1 BCIN|XP\_024552358.1 CFRU|XP\_031875579.1 CFRU|XP\_031893589.1 CHIG|XP\_018150908.1 CVIN|KAF4922516.1 FGRM|XP\_011323781.1 MGRA|XP\_003849739.1 MLAR|XP\_007411618.1 MORY|QBZ56535.1 NCRA|XP\_961944.3 SSCL|APA13239.1

>Orthogroup6006: ANID|CBF86303.1 BCIN|XP\_001561027.1 CFRU|XP\_031889607.1 CGLO|KAF3805213.1 CHIG|XP\_018158857.1 CVIN|KAF4907192.1 CVYL|A13861 FGRM|XP\_011320340.1 MGRA|XP\_003854955.1 MORY|QBZ62597.1 NCRA|XP\_960404.1 SSCL|APA06742.1

>Orthogroup6007: ANID|CBF86321.1 BCIN|XP\_024552194.1 BGRA|VDB92846.1 CFRU|XP\_031887632.1 CHIG|XP\_018161067.1 CVIN|KAF4928669.1 CVYL|A03660 FGRM|XP\_011324207.1 MGRA|XP\_003849353.1 MORY|QBZ56258.1 NCRA|XP\_962628.1 SSCL|APA13035.1

>Orthogroup6008: ANID|CBF86341.1 BCIN|XP\_001547497.1 CFRU|XP\_031884336.1 CGLO|KAF3806466.1 CHIG|XP\_018162362.1 CVIN|KAF4908637.1 CVYL|A12067 FGRM|XP\_011323923.1 MLAR|XP\_007408477.1 MORY|QBZ55497.1 NCRA|XP\_958271.2 SSCL|APA14959.1

>Orthogroup6009: ANID|CBF86388.1 BCIN|XP\_024546293.1 CFRU|XP\_031883548.1 CHIG|XP\_018154967.1 CVIN|KAF4916345.1 CVYL|A02275 FGRM|XP\_011322990.1 MGRA|XP\_003849897.1 MLAR|XP\_007404189.1 MORY|QBZ55080.1 NCRA|XP\_959070.1 SSCL|APA06932.1

>Orthogroup6010: ANID|CBF86391.1 BCIN|XP\_001546847.1 BGRA|VCU39475.1 CFRU|XP\_031893174.1 CGLO|KAF3808126.1 CHIG|XP\_018152823.1 CVIN|KAF4909731.1 CVYL|A08109 FGRM|XP\_011318004.1 MGRA|XP\_003849994.1 NCRA|XP\_961679.1 SSCL|APA10261.1

>Orthogroup6011: ANID|CBF86398.1 BCIN|XP\_024549152.1 BGRA|VCU39120.1 CFRU|XP\_031885870.1 CGLO|KAF3806597.1 CHIG|XP\_018157638.1 CVIN|KAF4916901.1 CVYL|A09269 FGRM|XP\_011328104.1 MORY|QBZ56233.1 NCRA|XP\_011394213.1 SSCL|APA08789.1

>Orthogroup6012: ANID|CBF86437.1 BCIN|XP\_001555652.1 BGRA|VCU39124.1 CFRU|XP\_031880975.1 CHIG|XP\_018161422.1 CVIN|KAF4930638.1 CVYL|A01774 FGRM|XP\_011321463.1 MGRA|XP\_003854736.1 MORY|QBZ65209.1 NCRA|XP\_962783.1 SSCL|APA07294.1

>Orthogroup6013: ANID|CBF86478.1 BCIN|XP\_024551191.1 BGRA|VCU39907.1 CFRU|XP\_031876932.1 CHIG|XP\_018162457.1 CVIN|KAF4909750.1 CVYL|A07266 FGRM|XP\_011327005.1 MGRA|XP\_003850467.1 MORY|QBZ61365.1 NCRA|XP\_963002.3 SSCL|APA10153.1

>Orthogroup6014: ANID|CBF86480.1 BCIN|XP\_024549396.1 BCIN|XP\_024552223.1 CFRU|XP\_031887567.1 CHIG|XP\_018161013.1 CVIN|KAF4920208.1 CVYL|A03602 FGRM|XP\_011327856.1 MGRA|XP\_003852957.1 MORY|QBZ58823.1 NCRA|XP\_962645.3 SSCL|APA13003.1

>Orthogroup6015: ANID|CBF86486.1 BCIN|XP\_001560873.1 CFRU|XP\_031885067.1 CGLO|KAF3807657.1 CHIG|XP\_018162880.1 CVIN|KAF4927752.1 CVYL|A06686 FGRM|XP\_011326289.1 MLAR|XP\_007406666.1 MORY|QBZ55687.1 NCRA|XP\_011394038.1 SSCL|APA08084.1

>Orthogroup6016: ANID|CBF86496.1 BCIN|XP\_001545985.1 BGRA|VDB86171.1 CFRU|XP\_031877788.1 CGLO|KAF3810663.1 CHIG|XP\_018162419.1 CVIN|KAF4916950.1 CVYL|A07297 MGRA|XP\_003855462.1 MORY|QBZ55658.1 NCRA|XP\_963081.1 SSCL|APA08261.1

>Orthogroup6017: ANID|CBF86500.1 BCIN|XP\_024553969.1 BGRA|VDB84342.1 CFRU|XP\_031886882.1 CGLO|KAF3811235.1 CHIG|XP\_018160458.1 CVIN|KAF4931183.1 CVYL|A04431 FGRM|XP\_011327082.1 MORY|QBZ63414.1 NCRA|XP\_961546.2 SSCL|APA15419.1

>Orthogroup6018: ANID|CBF86511.1 BCIN|XP\_001555045.1 BGRA|VDB85925.1 CFRU|XP\_031886457.1 CHIG|XP\_018162150.1 CVIN|KAF4923971.1 CVYL|A11908 FGRM|XP\_011326597.1 MGRA|XP\_003855421.1 MORY|QBZ61577.1 NCRA|XP\_957297.2 SSCL|APA07806.1

>Orthogroup6019: ANID|CBF86573.1 BCIN|XP\_001553921.1 BGRA|VCU39294.1 CFRU|XP\_031877103.1 CHIG|XP\_018150936.1 CVIN|KAF4925162.1 CVYL|A08801 FGRM|XP\_011323762.1 MGRA|XP\_003849786.1 MORY|QBZ59432.1 NCRA|XP\_962348.1 SSCL|APA13124.1

>Orthogroup6020: ANID|CBF86575.1 BCIN|XP\_024552292.1 CFRU|XP\_031887471.1 CGLO|KAF3803183.1 CHIG|XP\_018161025.1 CVIN|KAF4920226.1 CVYL|A03613 FGRM|XP\_011323816.1 MLAR|XP\_007409255.1 MORY|QBZ58837.1 NCRA|XP\_962365.3 SSCL|APA13069.1

>Orthogroup6021: ANID|CBF86586.1 BCIN|XP\_001552251.1 BGRA|VCU39479.1 CFRU|XP\_031882609.1 CHIG|XP\_018151043.1 CVIN|KAF4925407.1 CVYL|A08905 FGRM|XP\_011323480.1 MGRA|XP\_003849372.1 MORY|QBZ64060.1 NCRA|XP\_962579.1 SSCL|APA12895.1

>Orthogroup6022: ANID|CBF86597.1 BCIN|XP\_024552288.1 BGRA|VCU39250.1 CFRU|XP\_031887616.1 CHIG|XP\_018161022.1 CVIN|KAF4920225.1 CVYL|A03611 FGRM|XP\_011327875.1 MGRA|XP\_003849362.1 MORY|QBZ58831.1 NCRA|XP\_961816.2 SSCL|APA13065.1

>Orthogroup6023: ANID|CBF86630.1 BCIN|XP\_001559634.1 CFRU|XP\_031892633.1 CFRU|XP\_031893182.1 CGLO|KAF3809636.1 CVIN|KAF4896983.1 CVYL|A08408 CVYL|A10706 MGRA|XP\_003852220.1 MORY|QBZ65572.1 NCRA|XP\_001728537.1 SSCL|APA09401.1

>Orthogroup6024: ANID|CBF86682.1 BCIN|XP\_001560336.1 CFRU|XP\_031887480.1 CGLO|KAF3803197.1 CHIG|XP\_018161035.1 CVIN|KAF4920242.1 CVYL|A03627 FGRM|XP\_011323807.1 MGRA|XP\_003853587.1 MGRA|XP\_003854466.1 NCRA|XP\_961903.1 SSCL|APA08813.1

>Orthogroup6025: ANID|CBF86741.1 BCIN|XP\_024552219.1 BGRA|VDB92751.1 CFRU|XP\_031887493.1 CGLO|KAF3807172.1 CHIG|XP\_018160997.1 CVIN|KAF4917585.1 CVYL|A03577 FGRM|XP\_011324852.1 MORY|QBZ58789.1 NCRA|XP\_962644.1 SSCL|APA12997.1

>Orthogroup6026: ANID|CBF86792.1 BCIN|XP\_001554111.2 BGRA|VDB90944.1 CFRU|XP\_031888598.1 CGLO|KAF3803628.1 CHIG|XP\_018163834.1 CVIN|KAF4913957.1 CVYL|A14561 FGRM|XP\_011326539.1 MORY|QBZ54680.1 NCRA|XP\_958896.2 SSCL|APA05542.1

>Orthogroup6027: ANID|CBF86798.1 BCIN|XP\_001554092.1 BGRA|VDB90946.1 CFRU|XP\_031888383.1 CHIG|XP\_018163832.1 CVIN|KAF4913958.1 CVYL|A14563 FGRM|XP\_011326537.1 MLAR|XP\_007414920.1 MORY|QBZ54682.1 NCRA|XP\_958894.2 SSCL|APA05556.1

>Orthogroup6028: ANID|CBF86833.1 BCIN|XP\_001554965.1 BGRA|VCU38834.1 CFRU|XP\_031886527.1 CGLO|KAF3800263.1 CHIG|XP\_018162749.1 CVIN|KAF4927566.1 CVYL|A06974 MGRA|XP\_003854445.1 MORY|QBZ61572.1 NCRA|XP\_957328.2 SSCL|APA07757.1

>Orthogroup6029: ANID|CBF86843.1 BCIN|XP\_001552212.1 BGRA|VDB92752.1 CFRU|XP\_031887674.1 CHIG|XP\_018160998.1 CVIN|KAF4917578.1 FGRM|XP\_011324851.1 MGRA|XP\_003849730.1 MLAR|XP\_007415628.1 MORY|QBZ58790.1 NCRA|XP\_956315.1 SSCL|APA12996.1

>Orthogroup6030: ANID|CBF86845.1 BCIN|XP\_024552153.1 CFRU|XP\_031881115.1 CGLO|KAF3809838.1 CHIG|XP\_018161420.1 CVIN|KAF4930639.1 CVYL|A01776 FGRM|XP\_011321465.1 MGRA|XP\_003849465.1 MORY|QBZ65208.1 NCRA|XP\_962781.1 SSCL|APA13157.1

>Orthogroup6031: ANID|CBF86852.1 BCIN|XP\_024552226.1 CFRU|XP\_031887646.1 CGLO|KAF3803193.1 CHIG|XP\_018161031.1 CVIN|KAF4920201.1 CVYL|A03623 MGRA|XP\_003849856.1 MLAR|XP\_007414791.1 MORY|QBZ58843.1 NCRA|XP\_011394380.1 SSCL|APA13011.1

>Orthogroup6032: ANID|CBF86856.1 BCIN|XP\_024552228.1 CFRU|XP\_031887517.1 CGLO|KAF3811604.1 CHIG|XP\_018160876.1 CVIN|KAF4921451.1 CVYL|A03461 FGRM|XP\_011324864.1 MLAR|XP\_007412812.1 MORY|QBZ58845.1 NCRA|XP\_964446.1 SSCL|APA13013.1

>Orthogroup6033: ANID|CBF86867.1 CFRU|XP\_031877642.1 CGLO|KAF3801085.1 CVIN|KAF4890684.1 CVYL|A00112 MLAR|XP\_007403891.1 MLAR|XP\_007405208.1 MLAR|XP\_007407187.1 MLAR|XP\_007411425.1 MLAR|XP\_007414022.1 MLAR|XP\_007418030.1 MORY|QBZ60053.1

>Orthogroup6034: ANID|CBF86878.1 BCIN|XP\_024552545.1 BGRA|VDB88140.1 CFRU|XP\_031886134.1 CGLO|KAF3811965.1 CHIG|XP\_018155269.1 CVIN|KAF4930420.1 CVYL|A05538 FGRM|XP\_011324648.1 MORY|QBZ54046.1 NCRA|XP\_956804.3 SSCL|APA08644.1

>Orthogroup6035: ANID|CBF86916.1 BCIN|XP\_001555206.1 CFRU|XP\_031886203.1 CGLO|KAF3806583.1 CHIG|XP\_018157622.1 CVIN|KAF4920492.1 CVYL|A09285 FGRM|XP\_011328129.1 MGRA|XP\_003855057.1 MORY|QBZ56623.1 NCRA|XP\_957459.1 SSCL|APA09193.1

>Orthogroup6036: ANID|CBF86917.1 BCIN|XP\_001555181.1 CFRU|XP\_031884989.1 CGLO|KAF3801010.1 CHIG|XP\_018153261.1 CVIN|KAF4912983.1 CVYL|A05896 FGRM|XP\_011318734.1 MGRA|XP\_003848848.1 MORY|QBZ59449.1 NCRA|XP\_957512.1 SSCL|APA09173.1

>Orthogroup6037: ANID|CBF86948.1 BCIN|XP\_024545923.1 BGRA|VCU38908.1 CFRU|XP\_031880549.1 CHIG|XP\_018160852.1 CVIN|KAF4914877.1 CVYL|A03440 FGRM|XP\_011325054.1 MGRA|XP\_003853947.1 MORY|QBZ58865.1 NCRA|XP\_011394188.1 SSCL|APA07353.1

>Orthogroup6038: ANID|CBF86949.1 BCIN|XP\_024545931.1 BGRA|VCU38907.1 CFRU|XP\_031880548.1 CGLO|KAF3811588.1 CHIG|XP\_018160853.1 CVIN|KAF4914878.1 CVYL|A03442 FGRM|XP\_011325053.1 MLAR|XP\_007406270.1 MORY|QBZ58866.1 NCRA|XP\_962234.2

>Orthogroup6039: ANID|CBF86955.1 BCIN|XP\_024545932.1 CFRU|XP\_031880547.1 CHIG|XP\_018160855.1 CVIN|KAF4914876.1 CVYL|A03444 FGRM|XP\_011325051.1 MGRA|XP\_003855496.1 MLAR|XP\_007412542.1 MORY|QBZ58868.1 NCRA|XP\_001728202.1 SSCL|APA07360.1

>Orthogroup6040: ANID|CBF86957.1 BCIN|XP\_024545933.1 BGRA|VCU38921.1 CFRU|XP\_031880588.1 CHIG|XP\_018160856.1 CVIN|KAF4914872.1 CVYL|A03445 FGRM|XP\_011325050.1 MGRA|XP\_003854728.1 MORY|QBZ58869.1 NCRA|XP\_962232.1 SSCL|APA07361.1

>Orthogroup6041: ANID|CBF86979.1 BCIN|XP\_024548740.1 CFRU|XP\_031886275.1 CGLO|KAF3806195.1 CHIG|XP\_018162182.1 CVYL|A11782 FGRM|XP\_011324079.1 MGRA|XP\_003856265.1 MLAR|XP\_007416369.1 MORY|QBZ59560.1 NCRA|XP\_956401.1 SSCL|APA09759.1

>Orthogroup6042: ANID|CBF87007.1 BCIN|XP\_001553103.1 CFRU|XP\_031882501.1 CGLO|KAF3807614.1 CHIG|XP\_018156321.1 CVIN|KAF4928947.1 CVYL|A03140 FGRM|XP\_011318963.1 MGRA|XP\_003856465.1 MORY|QBZ56116.1 NCRA|XP\_957864.1 SSCL|APA16106.1

>Orthogroup6043: ANID|CBF87016.1 BCIN|XP\_001547898.2 BGRA|VCU41265.1 CFRU|XP\_031882401.1 CGLO|KAF3807524.1 CHIG|XP\_018156413.1 CVYL|A02960 FGRM|XP\_011318606.1 MGRA|XP\_003857328.1 MORY|QBZ63662.1 NCRA|XP\_959733.1 SSCL|APA16152.1

>Orthogroup6044: ANID|CBF87018.1 BCIN|XP\_001557189.1 BGRA|VDB83908.1 CFRU|XP\_031882443.1 CGLO|KAF3809428.1 CHIG|XP\_018156275.1 CVIN|KAF4916336.1 CVYL|A03095 FGRM|XP\_011319053.1 MORY|QBZ59083.1 NCRA|XP\_961340.2 SSCL|APA12522.1

>Orthogroup6045: ANID|CBF87021.1 BCIN|XP\_001557192.1 BGRA|VCU40919.1 CFRU|XP\_031882412.1 CHIG|XP\_018156268.1 CVIN|KAF4921397.1 FGRM|XP\_011319055.1 MGRA|XP\_003856044.1 MLAR|XP\_007411626.1 MORY|QBZ56657.1 NCRA|XP\_961337.1 SSCL|APA12524.1

>Orthogroup6046: ANID|CBF87023.1 BCIN|XP\_001551311.1 BGRA|VCU39704.1 CFRU|XP\_031875747.1 CHIG|XP\_018156432.1 CVIN|KAF4918799.1 CVYL|A02979 FGRM|XP\_011318783.1 MGRA|XP\_003857532.1 MORY|QBZ57718.1 NCRA|XP\_960076.1 SSCL|APA07585.1

>Orthogroup6047: ANID|CBF87025.1 BCIN|XP\_001551312.1 BGRA|VCU39703.1 CFRU|XP\_031876372.1 CGLO|KAF3797772.1 CHIG|XP\_018156442.1 CVIN|KAF4918829.1 CVYL|A02991 FGRM|XP\_011318773.1 MORY|QBZ63674.1 NCRA|XP\_960069.2 SSCL|APA07586.1

>Orthogroup6048: ANID|CBF87039.1 BCIN|XP\_024550792.1 CFRU|XP\_031887167.1 CGLO|KAF3809244.1 CHIG|XP\_018156077.1 CVIN|KAF4925335.1 CVYL|A01434 FGRM|XP\_011318953.1 MGRA|XP\_003856943.1 MORY|QBZ57368.1 NCRA|XP\_960968.2 SSCL|APA11857.1

>Orthogroup6049: ANID|CBF87050.1 BCIN|XP\_001560083.1 CFRU|XP\_031890230.1 CGLO|KAF3798877.1 CHIG|XP\_018158546.1 CVIN|KAF4925554.1 CVYL|A05076 FGRM|XP\_011315637.1 FGRM|XP\_011316627.1 MGRA|XP\_003853466.1 NCRA|XP\_965006.3 SSCL|APA09901.1

>Orthogroup6050: ANID|CBF87197.1 CFRU|XP\_031879114.1 CGLO|KAF3798818.1 CGLO|KAF3801002.1 CHIG|XP\_018151215.1 CHIG|XP\_018154069.1 CVIN|KAF4919573.1 CVYL|A05903 CVYL|A09112 FGRM|XP\_011320991.1 MORY|QBZ53332.1 MORY|QBZ58287.1

>Orthogroup6051: ANID|CBF87426.1 CFRU|XP\_031881736.1 CFRU|XP\_031889412.1 CGLO|KAF3797674.1 CGLO|KAF3797840.1 CHIG|XP\_018155449.1 CVIN|KAF4908861.1 CVIN|KAF4919394.1 CVYL|A01096 CVYL|A11537 FGRM|XP\_011323892.1 NCRA|XP\_960323.3

>Orthogroup6052: ANID|CBF87433.1 BCIN|XP\_024551945.1 BGRA|VDB89511.1 CFRU|XP\_031885040.1 CGLO|KAF3800361.1 CHIG|XP\_018162850.1 CVIN|KAF4927761.1 CVYL|A07642 FGRM|XP\_011326374.1 MORY|QBZ61371.1 NCRA|XP\_957826.1 SSCL|APA06386.1

>Orthogroup6053: ANID|CBF87435.1 BCIN|XP\_001558547.2 BCIN|XP\_024550947.1 CFRU|XP\_031886181.1 CGLO|KAF3801120.1 CHIG|XP\_018150465.1 CVIN|KAF4930363.1 CVYL|A05491 MGRA|XP\_003854603.1 MORY|QBZ63695.1 SSCL|APA11713.1 SSCL|APA14658.1

>Orthogroup6054: ANID|CBF87463.1 BCIN|XP\_024550447.1 CFRU|XP\_031888006.1 CGLO|KAF3802319.1 CHIG|XP\_018154421.1 CVIN|KAF4889194.1 CVYL|A10884 FGRM|XP\_011319744.1 MGRA|XP\_003854393.1 MORY|QBZ65833.1 NCRA|XP\_965520.1 SSCL|APA11149.1

>Orthogroup6055: ANID|CBF87468.1 BCIN|XP\_024550445.1 BGRA|VDB84169.1 CFRU|XP\_031892424.1 CGLO|KAF3797146.1 CHIG|XP\_018157098.1 FGRM|XP\_011328558.1 MGRA|XP\_003853928.1 MLAR|XP\_007409346.1 MORY|QBZ65918.1 NCRA|XP\_964882.2 SSCL|APA11147.1

>Orthogroup6056: ANID|CBF87470.1 BCIN|XP\_024546233.1 CFRU|XP\_031880602.1 CGLO|KAF3811539.1 CHIG|XP\_018160800.1 CVIN|KAF4926739.1 CVYL|A04751 FGRM|XP\_011324809.1 MGRA|XP\_003855734.1 MORY|QBZ58769.1 NCRA|XP\_962051.1 SSCL|APA06992.1

>Orthogroup6057: ANID|CBF87516.1 CFRU|XP\_031876816.1 CFRU|XP\_031880157.1 CGLO|KAF3811812.1 CHIG|XP\_018151731.1 CVIN|KAF4914946.1 CVIN|KAF4924897.1 CVYL|A08377 CVYL|A12815 FGRM|XP\_011322674.1 FGRM|XP\_011322810.1 FGRM|XP\_011325174.1

>Orthogroup6058: ANID|CBF87549.1 BCIN|XP\_024550437.1 BGRA|VDB86030.1 CFRU|XP\_031891581.1 CGLO|KAF3797630.1 CHIG|XP\_018157422.1 CVIN|KAF4890326.1 FGRM|XP\_011323024.1 MGRA|XP\_003854660.1 MORY|QBZ66342.1 NCRA|XP\_958090.1 SSCL|APA11138.1

>Orthogroup6059: ANID|CBF87558.1 BCIN|XP\_001555582.1 BGRA|VCU39043.1 CFRU|XP\_031885540.1 CGLO|KAF3798667.1 CHIG|XP\_018157499.1 CVIN|KAF4889608.1 CVYL|A09406 FGRM|XP\_011323558.1 MORY|QBZ56567.1 NCRA|XP\_961726.1 SSCL|APA07444.1

>Orthogroup6060: ANID|CBF87565.1 BCIN|XP\_001561176.1 BGRA|VDB86294.1 CFRU|XP\_031886010.1 CGLO|KAF3806547.1 CHIG|XP\_018157588.1 CVYL|A09322 FGRM|XP\_011327999.1 MLAR|XP\_007407506.1 MORY|QBZ56247.1 NCRA|XP\_962371.1 SSCL|APA07108.1

>Orthogroup6061: ANID|CBF87567.1 BCIN|XP\_001548146.1 CFRU|XP\_031882494.1 CHIG|XP\_018156300.1 CVIN|KAF4921389.1 CVYL|A03121 FGRM|XP\_011319012.1 MGRA|XP\_003847989.1 MLAR|XP\_007413035.1 MORY|QBZ54753.1 NCRA|XP\_961625.1 SSCL|APA12755.1

>Orthogroup6062: ANID|CBF87568.1 BCIN|XP\_024548307.1 BGRA|VCU40960.1 CFRU|XP\_031882392.1 CGLO|KAF3807603.1 CHIG|XP\_018156331.1 CVIN|KAF4928885.1 CVYL|A02879 FGRM|XP\_011319001.1 MORY|QBZ56920.1 NCRA|XP\_957616.1 SSCL|APA12556.1

>Orthogroup6063: ANID|CBF87596.1 BCIN|XP\_024552894.1 BGRA|VCU39647.1 CFRU|XP\_031881832.1 CGLO|KAF3800637.1 CHIG|XP\_018152047.1 CVIN|KAF4922018.1 CVYL|A13079 FGRM|XP\_011317346.1 MORY|QBZ60298.1 NCRA|XP\_963526.3 SSCL|APA16072.1

>Orthogroup6064: ANID|CBF87597.1 BCIN|XP\_024548470.1 CFRU|XP\_031886137.1 CFRU|XP\_031886138.1 CGLO|KAF3811961.1 CHIG|XP\_018155273.1 CVIN|KAF4930416.1 CVYL|A05542 FGRM|XP\_011324652.1 MORY|QBZ54037.1 NCRA|XP\_955873.3 SSCL|APA12188.1

>Orthogroup6065: ANID|CBF87609.1 BCIN|XP\_001557550.1 BGRA|VDB93232.1 CFRU|XP\_031889349.1 CGLO|KAF3808805.1 CHIG|XP\_018155708.1 CVIN|KAF4908018.1 CVYL|A00859 FGRM|XP\_011319257.1 MORY|QBZ58082.1 NCRA|XP\_960796.1 SSCL|APA12349.1

>Orthogroup6066: ANID|CBF87617.1 BCIN|XP\_024551578.1 BGRA|VDB92459.1 CFRU|XP\_031885655.1 CGLO|KAF3810123.1 CVIN|KAF4912151.1 FGRM|XP\_011320134.1 MGRA|XP\_003856478.1 MLAR|XP\_007413578.1 MORY|QBZ56062.1 NCRA|XP\_960162.1 SSCL|APA14902.1

>Orthogroup6067: ANID|CBF87630.1 BCIN|XP\_001556680.1 BGRA|VDB92664.1 CFRU|XP\_031877860.1 CGLO|KAF3804783.1 CHIG|XP\_018164278.1 CVIN|KAF4929761.1 CVYL|A12291 FGRM|XP\_011316131.1 MORY|QBZ55416.1 NCRA|XP\_964174.1 SSCL|APA14800.1

>Orthogroup6068: ANID|CBF87650.1 BCIN|XP\_001557743.2 CFRU|XP\_031892379.1 CGLO|KAF3809135.1 CHIG|XP\_018155959.1 CVIN|KAF4922122.1 CVYL|A01319 FGRM|XP\_011319186.1 MLAR|XP\_007408731.1 MORY|QBZ56125.1 NCRA|XP\_958844.2 SSCL|APA12192.1

>Orthogroup6069: ANID|CBF87666.1 BCIN|XP\_024548466.1 BGRA|VDB93089.1 CFRU|XP\_031882468.1 CGLO|KAF3807600.1 CHIG|XP\_018156334.1 CVIN|KAF4928891.1 CVYL|A02882 FGRM|XP\_011319003.1 MGRA|XP\_003848112.1 NCRA|XP\_961627.3 SSCL|APA12195.1

>Orthogroup6070: ANID|CBF87667.1 BCIN|XP\_001557737.1 BGRA|VDB93091.1 CFRU|XP\_031882467.1 CGLO|KAF3807599.1 CHIG|XP\_018156335.1 CVIN|KAF4928892.1 CVYL|A02883 FGRM|XP\_011319004.1 MGRA|XP\_003847978.1 NCRA|XP\_961628.1 SSCL|APA12196.1

>Orthogroup6071: ANID|CBF87674.1 BCIN|XP\_001557681.1 BGRA|VDB93172.1 CFRU|XP\_031883340.1 CGLO|KAF3800577.1 CHIG|XP\_018152103.1 CVIN|KAF4927050.1 CVYL|A13138 FGRM|XP\_011325675.1 MORY|QBZ62118.1 NCRA|XP\_956254.2 SSCL|APA12234.1

>Orthogroup6072: ANID|CBF87678.1 BCIN|XP\_024548167.1 BGRA|VCU40996.1 CFRU|XP\_031889352.1 CHIG|XP\_018155712.1 CVIN|KAF4908020.1 CVYL|A00855 FGRM|XP\_011319261.1 MGRA|XP\_003848212.1 MORY|QBZ58658.1 NCRA|XP\_960676.1 SSCL|APA12416.1

>Orthogroup6073: ANID|CBF87692.1 BCIN|XP\_001560081.2 CFRU|XP\_031890236.1 CHIG|XP\_018158544.1 CVIN|KAF4925556.1 CVYL|A05078 FGRM|XP\_011316630.1 MGRA|XP\_003848231.1 MLAR|XP\_007409414.1 MORY|QBZ55968.1 NCRA|XP\_011392979.1 SSCL|APA09903.1

>Orthogroup6074: ANID|CBF87764.1 BCIN|XP\_001550088.1 BGRA|VCU41230.1 CFRU|XP\_031887279.1 CGLO|KAF3809197.1 CHIG|XP\_018156023.1 CVIN|KAF4925314.1 CVYL|A01386 FGRM|XP\_011319117.1 MORY|QBZ62509.1 NCRA|XP\_960583.1 SSCL|APA16044.1

>Orthogroup6075: ANID|CBF87783.1 BCIN|XP\_001558571.1 BGRA|VDB92648.1 CFRU|XP\_031879877.1 CGLO|KAF3802964.1 CHIG|XP\_018153649.1 CVIN|KAF4929984.1 CVYL|A00396 FGRM|XP\_011317092.1 MLAR|XP\_007409914.1 NCRA|XP\_965110.1 SSCL|APA14646.1

>Orthogroup6076: ANID|CBF87800.1 BCIN|XP\_001556769.1 BGRA|VDB89487.1 CFRU|XP\_031884939.1 CGLO|KAF3801025.1 CHIG|XP\_018153323.1 CVIN|KAF4889707.1 CVYL|A00359 FGRM|XP\_011321549.1 MORY|QBZ54967.1 NCRA|XP\_001728325.1 SSCL|APA14545.1

>Orthogroup6077: ANID|CBF87803.1 BCIN|XP\_024551913.1 BGRA|VDB95017.1 CFRU|XP\_031884973.1 CGLO|KAF3812150.1 CHIG|XP\_018153386.1 CVIN|KAF4918732.1 CVYL|A00243 FGRM|XP\_011318732.1 MORY|QBZ55289.1 NCRA|XP\_964670.2 SSCL|APA06348.1

>Orthogroup6078: ANID|CBF87811.1 BCIN|XP\_024551832.1 BGRA|VDB94767.1 CFRU|XP\_031883924.1 CGLO|KAF3797451.1 CHIG|XP\_018163554.1 CVIN|KAF4905678.1 CVYL|A09885 FGRM|XP\_011316962.1 MORY|QBZ54890.1 NCRA|XP\_962148.2 SSCL|APA14730.1

>Orthogroup6079: ANID|CBF87826.1 BCIN|XP\_001556849.1 BGRA|VDB90593.1 CFRU|XP\_031882769.1 CGLO|KAF3803447.1 CHIG|XP\_018163975.1 CVIN|KAF4926301.1 CVYL|A14375 FGRM|XP\_011316974.1 MORY|QBZ55321.1 NCRA|XP\_965468.1 SSCL|APA14812.1

>Orthogroup6080: ANID|CBF87858.1 BCIN|XP\_001556915.1 BGRA|VDB95047.1 CFRU|XP\_031879792.1 CGLO|KAF3803010.1 CHIG|XP\_018153559.1 CVIN|KAF4929914.1 CVYL|A00022 FGRM|XP\_011326801.1 MORY|QBZ55454.1 NCRA|XP\_011393069.1 SSCL|APA14633.1

>Orthogroup6081: ANID|CBF87883.1 BCIN|XP\_001556621.1 CFRU|XP\_031879864.1 CGLO|KAF3802974.1 CHIG|XP\_018153639.1 CVIN|KAF4929909.1 CVYL|A00407 FGRM|XP\_011316895.1 MGRA|XP\_003856937.1 MORY|QBZ63574.1 NCRA|XP\_963826.1 SSCL|APA14761.1

>Orthogroup6082: ANID|CBF87886.1 BCIN|XP\_001556908.2 BGRA|VDB95112.1 CFRU|XP\_031892329.1 CGLO|KAF3812271.1 CHIG|XP\_018153494.1 CVIN|KAF4919926.1 CVYL|A00114 FGRM|XP\_011316084.1 MORY|QBZ62937.1 NCRA|XP\_965429.1 SSCL|APA14630.1

>Orthogroup6083: ANID|CBF87888.1 BCIN|XP\_001554142.1 BGRA|VDB94479.1 CFRU|XP\_031885321.1 CGLO|KAF3798649.1 CHIG|XP\_018157512.1 CVIN|KAF4919463.1 CVYL|A09386 FGRM|XP\_011328133.1 MORY|QBZ57245.1 NCRA|XP\_011394259.1 SSCL|APA05517.1

>Orthogroup6084: ANID|CBF87890.1 BCIN|XP\_024551779.1 CFRU|XP\_031879850.1 CGLO|KAF3803017.1 CHIG|XP\_018153566.1 CVIN|KAF4929957.1 CVYL|A00030 FGRM|XP\_011316312.1 MGRA|XP\_003856936.1 MORY|QBZ55445.1 NCRA|XP\_963912.3 SSCL|APA14631.1

>Orthogroup6085: ANID|CBF87908.1 BCIN|XP\_024551767.1 BGRA|VDB89297.1 CFRU|XP\_031879793.1 CGLO|KAF3803009.1 CHIG|XP\_018153558.1 CVIN|KAF4929919.1 CVYL|A00021 FGRM|XP\_011326800.1 MGRA|XP\_003856965.1 NCRA|XP\_964165.1 SSCL|APA14620.1

>Orthogroup6086: ANID|CBF87915.1 BCIN|XP\_024551678.1 BGRA|VDB95086.1 CFRU|XP\_031879833.1 CGLO|KAF3803001.1 CHIG|XP\_018153608.1 CVIN|KAF4929941.1 CVYL|A00012 FGRM|XP\_011326799.1 MORY|QBZ63177.1 NCRA|XP\_011393072.1 SSCL|APA06012.1

>Orthogroup6087: ANID|CBF87946.1 BCIN|XP\_024551553.1 CFRU|XP\_031890453.1 CGLO|KAF3804965.1 CHIG|XP\_018164471.1 CVIN|KAF4910229.1 CVYL|A12090 FGRM|XP\_011317120.1 MLAR|XP\_007406309.1 MORY|QBZ61480.1 NCRA|XP\_958617.3 SSCL|APA14927.1

>Orthogroup6088: ANID|CBF87948.1 BCIN|XP\_001552450.1 BGRA|VDB92640.1 CFRU|XP\_031890452.1 CGLO|KAF3804963.1 CHIG|XP\_018164470.1 CVIN|KAF4910222.1 CVYL|A12091 FGRM|XP\_011317119.1 MORY|QBZ61479.1 NCRA|XP\_958619.2 SSCL|APA14926.1

>Orthogroup6089: ANID|CBF87963.1 BCIN|XP\_001556870.1 BGRA|VDB92638.1 CFRU|XP\_031880475.1 CGLO|KAF3811564.1 CHIG|XP\_018160825.1 CVIN|KAF4926790.1 CVYL|A04776 FGRM|XP\_011324821.1 MORY|QBZ56629.1 NCRA|XP\_961827.1 SSCL|APA14821.1

>Orthogroup6090: ANID|CBF87967.1 BCIN|XP\_024551756.1 BGRA|VDB92637.1 CGLO|KAF3804955.1 CHIG|XP\_018164462.1 CVYL|A12097 FGRM|XP\_011317110.1 MGRA|XP\_003856823.1 MLAR|XP\_007406486.1 MORY|QBZ63819.1 NCRA|XP\_964074.2 SSCL|APA14818.1

>Orthogroup6091: ANID|CBF88022.1 BCIN|XP\_024551821.1 BGRA|VDB90579.1 CFRU|XP\_031876498.1 CGLO|KAF3797006.1 CHIG|XP\_018153678.1 CVIN|KAF4894112.1 FGRM|XP\_011317162.1 MGRA|XP\_003856511.1 MORY|QBZ63939.1 NCRA|XP\_963832.1 SSCL|APA14706.1

>Orthogroup6092: ANID|CBF88031.1 BCIN|XP\_024550146.1 BGRA|VDB84297.1 CFRU|XP\_031892299.1 CGLO|KAF3797181.1 CHIG|XP\_018157323.1 CVIN|KAF4920822.1 CVYL|A10513 FGRM|XP\_011319937.1 MORY|QBZ66048.1 NCRA|XP\_964921.2 SSCL|APA10767.1

>Orthogroup6093: ANID|CBF88038.1 CFRU|XP\_031887757.1 CFRU|XP\_031893172.1 CGLO|KAF3811633.1 CHIG|XP\_018156989.1 CHIG|XP\_018160908.1 CVIN|KAF4909742.1 CVIN|KAF4921454.1 CVYL|A03493 CVYL|A08115 FGRM|XP\_011318645.1 FGRM|XP\_011323576.1

>Orthogroup6094: ANID|CBF88048.1 BCIN|XP\_024551807.1 BGRA|VDB89713.1 CFRU|XP\_031879836.1 CGLO|KAF3802996.1 CHIG|XP\_018153616.1 CVIN|KAF4929930.1 CVYL|A00007 FGRM|XP\_011316918.1 MORY|QBZ55595.1 NCRA|XP\_965382.3 SSCL|APA14670.1

>Orthogroup6095: ANID|CBF88050.1 BCIN|XP\_024547552.1 BGRA|VDB85754.1 CFRU|XP\_031887094.1 CGLO|KAF3811338.1 CHIG|XP\_018160600.1 CVIN|KAF4927212.1 CVYL|A04518 FGRM|XP\_011327221.1 MORY|QBZ56971.1 NCRA|XP\_960599.2 SSCL|APA07857.1

>Orthogroup6096: ANID|CBF88058.1 BCIN|XP\_024553236.1 BGRA|VDB83713.1 CFRU|XP\_031876726.1 CGLO|KAF3798693.1 CHIG|XP\_018157463.1 CVIN|KAF4918482.1 CVYL|A09431 FGRM|XP\_011328065.1 MORY|QBZ58892.1 NCRA|XP\_001728044.1 SSCL|APA13613.1

>Orthogroup6097: ANID|CBF88072.1 BCIN|XP\_001560214.1 CFRU|XP\_031879569.1 CGLO|KAF3802704.1 CHIG|XP\_018151489.1 CVIN|KAF4899846.1 CVYL|A08030 FGRM|XP\_011324277.1 MGRA|XP\_003854767.1 MORY|QBZ59822.1 NCRA|XP\_959612.1 SSCL|APA15920.1

>Orthogroup6098: ANID|CBF88074.1 BCIN|XP\_001553270.1 CFRU|XP\_031879568.1 CGLO|KAF3802703.1 CHIG|XP\_018156860.1 CVIN|KAF4899839.1 CVYL|A08029 FGRM|XP\_011324278.1 MGRA|XP\_003854765.1 MORY|QBZ59821.1 NCRA|XP\_959613.1 SSCL|APA12053.1

>Orthogroup6099: ANID|CBF88089.1 BCIN|XP\_024551828.1 CFRU|XP\_031888568.1 CGLO|KAF3803585.1 CHIG|XP\_018163881.1 CVIN|KAF4920377.1 CVYL|A14520 FGRM|XP\_011316764.1 MGRA|XP\_003856476.1 MORY|QBZ55370.1 NCRA|XP\_965240.1 SSCL|APA14711.1

>Orthogroup6100: ANID|CBF88111.1 BCIN|XP\_001550408.1 CFRU|XP\_031892582.1 CGLO|KAF3803056.1 CHIG|XP\_018153548.1 CVIN|KAF4919877.1 CVYL|A00065 FGRM|XP\_011316906.1 MGRA|XP\_003856584.1 MORY|QBZ63169.1 NCRA|XP\_964170.2 SSCL|APA06020.1

>Orthogroup6101: ANID|CBF88133.1 BCIN|XP\_001552363.2 CFRU|XP\_031891315.1 CGLO|KAF3804692.1 CHIG|XP\_018161763.1 CVIN|KAF4923389.1 CVYL|A05193 FGRM|XP\_011321533.1 MGRA|XP\_003855611.1 MORY|QBZ59562.1 NCRA|XP\_956765.2 SSCL|APA11184.1

>Orthogroup6102: ANID|CBF88163.1 BCIN|XP\_001545714.1 BGRA|VDB94577.1 CFRU|XP\_031887040.1 CGLO|KAF3811448.1 CHIG|XP\_018160691.1 CVIN|KAF4917870.1 CVYL|A04649 FGRM|XP\_011327227.1 MORY|QBZ53842.1 NCRA|XP\_960573.1 SSCL|APA11313.1

>Orthogroup6103: ANID|CBF88180.1 BCIN|XP\_001554645.1 BGRA|VDB94763.1 CFRU|XP\_031891205.1 CGLO|KAF3804525.1 CHIG|XP\_018159464.1 CVIN|KAF4924480.1 CVYL|A04245 FGRM|XP\_011328807.1 MORY|QBZ64707.1 NCRA|XP\_956746.2 SSCL|APA11042.1

>Orthogroup6104: ANID|CBF88188.1 BCIN|XP\_024550140.1 CFRU|XP\_031882275.1 CGLO|KAF3804466.1 CHIG|XP\_018160302.1 CVIN|KAF4930905.1 CVIN|KAF4930906.1 CVYL|A04180 FGRM|XP\_011324733.1 MORY|QBZ64703.1 NCRA|XP\_956743.1 SSCL|APA10782.1

>Orthogroup6105: ANID|CBF88192.1 BCIN|XP\_024550137.1 BGRA|VDB94985.1 CFRU|XP\_031891207.1 CGLO|KAF3804523.1 CHIG|XP\_018159466.1 CVIN|KAF4924524.1 CVYL|A04243 MGRA|XP\_003855567.1 MORY|QBZ64705.1 NCRA|XP\_956744.1 SSCL|APA10783.1

>Orthogroup6106: ANID|CBF88203.1 BCIN|XP\_024550127.1 BGRA|VDB94943.1 CFRU|XP\_031891442.1 CHIG|XP\_018161658.1 CVIN|KAF4923071.1 FGRM|XP\_011318684.1 MGRA|XP\_003855081.1 MLAR|XP\_007409559.1 MORY|QBZ61122.1 NCRA|XP\_962903.1 SSCL|APA10803.1

>Orthogroup6107: ANID|CBF88227.1 BCIN|XP\_001553503.1 CFRU|XP\_031881612.1 CGLO|KAF3807406.1 CHIG|XP\_018156818.1 CVIN|KAF4929598.1 CVYL|A10905 FGRM|XP\_011328170.1 MGRA|XP\_003849142.1 MORY|QBZ65598.1 NCRA|XP\_965067.3 SSCL|APA10864.1

>Orthogroup6108: ANID|CBF88230.1 BCIN|XP\_024546888.1 BGRA|VDB93893.1 CFRU|XP\_031878063.1 CGLO|KAF3799571.1 CHIG|XP\_018154560.1 CVIN|KAF4926473.1 CVYL|A13431 FGRM|XP\_011323708.1 MORY|QBZ61079.1 NCRA|XP\_957186.2 SSCL|APA05851.1

>Orthogroup6109: ANID|CBF88239.1 BCIN|XP\_024550310.1 CFRU|XP\_031881611.1 CGLO|KAF3807399.1 CHIG|XP\_018156820.1 CVIN|KAF4929654.1 CVYL|A10891 FGRM|XP\_011328323.1 MGRA|XP\_003855100.1 MORY|QBZ65594.1 NCRA|XP\_957963.3 SSCL|APA10976.1

>Orthogroup6110: ANID|CBF88243.1 BCIN|XP\_001558765.1 CFRU|XP\_031881324.1 CGLO|KAF3802508.1 CHIG|XP\_018154813.1 CVIN|KAF4919020.1 CVYL|A02100 FGRM|XP\_011325541.1 MGRA|XP\_003855695.1 MORY|QBZ53783.1 NCRA|XP\_956301.2 SSCL|APA05613.1

>Orthogroup6111: ANID|CBF88249.1 BCIN|XP\_024553367.1 BGRA|VDB93918.1 CFRU|XP\_031883236.1 CGLO|KAF3800566.1 CHIG|XP\_018152124.1 CVIN|KAF4927100.1 CVYL|A13149 FGRM|XP\_011317246.1 MORY|QBZ60291.1 NCRA|XP\_957154.1 SSCL|APA13693.1

>Orthogroup6112: ANID|CBF88259.1 BCIN|XP\_024553287.1 BGRA|VDB93883.1 CFRU|XP\_031886109.1 CGLO|KAF3805524.1 CHIG|XP\_018155375.1 CVIN|KAF4918311.1 CVYL|A05646 FGRM|XP\_011317438.1 MORY|QBZ53807.1 NCRA|XP\_963633.1 SSCL|APA13546.1

>Orthogroup6113: ANID|CBF88263.1 BCIN|XP\_024549635.1 BGRA|VDB83692.1 CFRU|XP\_031880559.1 CGLO|KAF3811506.1 CHIG|XP\_018160762.1 CVIN|KAF4926766.1 CVYL|A04713 FGRM|XP\_011317804.1 MORY|QBZ58783.1 NCRA|XP\_961758.3 SSCL|APA05750.1

>Orthogroup6114: ANID|CBF88283.1 BCIN|XP\_024549437.1 CFRU|XP\_031879968.1 CGLO|KAF3798966.1 CHIG|XP\_018152847.1 CVIN|KAF4923463.1 CVYL|A07883 FGRM|XP\_011323538.1 MGRA|XP\_003855479.1 MORY|QBZ53345.1 NCRA|XP\_959638.3 SSCL|APA09211.1

>Orthogroup6115: ANID|CBF88308.1 BCIN|XP\_001551479.1 BGRA|VCU40159.1 CFRU|XP\_031885324.1 CGLO|KAF3798646.1 CHIG|XP\_018157520.1 CVIN|KAF4919462.1 CVYL|A09383 FGRM|XP\_011324830.1 MORY|QBZ64524.1 NCRA|XP\_011394264.1 SSCL|APA06195.1

>Orthogroup6116: ANID|CBF88314.1 BCIN|XP\_024549798.1 BGRA|VDB83675.1 CFRU|XP\_031878769.1 CGLO|KAF3797563.1 CHIG|XP\_018151102.1 CVIN|KAF4923556.1 CVYL|A08983 FGRM|XP\_011323494.1 MGRA|XP\_003848802.1 NCRA|XP\_962568.3 SSCL|APA06203.1

>Orthogroup6117: ANID|CBF88316.1 BCIN|XP\_001548918.1 BGRA|VCU39255.1 CFRU|XP\_031885343.1 CHIG|XP\_018157553.1 CVIN|KAF4921336.1 CVYL|A09354 FGRM|XP\_011327981.1 MGRA|XP\_003855706.1 MORY|QBZ58929.1 NCRA|XP\_962381.2 SSCL|APA06204.1

>Orthogroup6118: ANID|CBF88339.1 BCIN|XP\_024552780.1 BGRA|VCU41181.1 CFRU|XP\_031882350.1 CGLO|KAF3807535.1 CHIG|XP\_018156402.1 CVIN|KAF4928880.1 CVYL|A02948 FGRM|XP\_011318572.1 MORY|QBZ56891.1 NCRA|XP\_961617.1 SSCL|APA07510.1

>Orthogroup6119: ANID|CBF88349.1 BCIN|XP\_024546342.1 CFRU|XP\_031885845.1 CGLO|KAF3810163.1 CHIG|XP\_018157782.1 CVIN|KAF4929159.1 CVYL|A02755 FGRM|XP\_011320374.1 MGRA|XP\_003848835.1 MORY|QBZ62629.1 NCRA|XP\_960355.3 SSCL|APA06876.1

>Orthogroup6120: ANID|CBF88362.1 BCIN|XP\_001551493.2 BGRA|VDB83700.1 CFRU|XP\_031885420.1 CGLO|KAF3806490.1 CHIG|XP\_018157525.1 CVIN|KAF4919466.1 CVYL|A09379 FGRM|XP\_011324836.1 MORY|QBZ64520.1 NCRA|XP\_962329.1 SSCL|APA05748.1

>Orthogroup6121: ANID|CBF88371.1 BCIN|XP\_024549643.1 CFRU|XP\_031885325.1 CGLO|KAF3798645.1 CHIG|XP\_018157521.1 CVIN|KAF4919467.1 CVYL|A09382 FGRM|XP\_011324831.1 MGRA|XP\_003848895.1 MORY|QBZ64523.1 NCRA|XP\_011394262.1 SSCL|APA06196.1

>Orthogroup6122: ANID|CBF88391.1 BCIN|XP\_024551476.1 CFRU|XP\_031878384.1 CGLO|KAF3810787.1 CGLO|KAF3810788.1 CHIG|XP\_018162525.1 CVIN|KAF4932145.1 CVYL|A07162 FGRM|XP\_011326306.1 MORY|QBZ59596.1 NCRA|XP\_963084.3 SSCL|APA10410.1

>Orthogroup6123: ANID|CBF88400.1 BCIN|XP\_024551414.1 BGRA|VCU41015.1 CFRU|XP\_031886237.1 CGLO|KAF3806392.1 CHIG|XP\_018162268.1 CVIN|KAF4923227.1 CVYL|A11982 FGRM|XP\_011326562.1 MORY|QBZ55785.1 NCRA|XP\_959004.1 SSCL|APA10662.1

>Orthogroup6124: ANID|CBF88406.1 BCIN|XP\_024551318.1 BGRA|VCU39462.1 CFRU|XP\_031886699.1 CHIG|XP\_018162703.1 CVYL|A07022 FGRM|XP\_011326946.1 MGRA|XP\_003855153.1 MLAR|XP\_007414550.1 MORY|QBZ55693.1 NCRA|XP\_956374.1 SSCL|APA10557.1

>Orthogroup6125: ANID|CBF88409.1 BCIN|XP\_001560701.1 CFRU|XP\_031886447.1 CGLO|KAF3811887.1 CHIG|XP\_018155171.1 CVIN|KAF4920558.1 CVYL|A06180 FGRM|XP\_011317390.1 MGRA|XP\_003851196.1 MORY|QBZ53762.1 NCRA|XP\_955773.2 SSCL|APA07986.1

>Orthogroup6126: ANID|CBF88437.1 BCIN|XP\_024548453.1 BGRA|VDB86328.1 CFRU|XP\_031887447.1 CHIG|XP\_018156018.1 CVIN|KAF4925313.1 CVYL|A01383 FGRM|XP\_011328134.1 MLAR|XP\_007406464.1 MORY|QBZ66135.1 NCRA|XP\_011394656.1 SSCL|APA12229.1

>Orthogroup6127: ANID|CBF88442.1 BCIN|XP\_001556984.1 BGRA|VCU41087.1 CFRU|XP\_031876921.1 CGLO|KAF3810720.1 CHIG|XP\_018162578.1 CVIN|KAF4908235.1 FGRM|XP\_011323977.1 MGRA|XP\_003855255.1 MORY|QBZ63874.1 NCRA|XP\_957266.2 SSCL|APA10581.1

>Orthogroup6128: ANID|CBF88450.1 BCIN|XP\_001559459.1 CFRU|XP\_031881253.1 CGLO|KAF3802513.1 CHIG|XP\_018154818.1 CVIN|KAF4919017.1 CVYL|A02105 FGRM|XP\_011324639.1 MGRA|XP\_003855641.1 MORY|QBZ53957.1 NCRA|XP\_963231.1 SSCL|APA07647.1

>Orthogroup6129: ANID|CBF88519.1 BCIN|XP\_001551369.1 CFRU|XP\_031876940.1 CHIG|XP\_018162581.1 CVIN|KAF4932094.1 CVYL|A07230 FGRM|XP\_011323974.1 MGRA|XP\_003855590.1 MLAR|XP\_007411354.1 MORY|QBZ63893.1 NCRA|XP\_956178.1 SSCL|APA10396.1

>Orthogroup6130: ANID|CBF88532.1 BCIN|XP\_024547857.1 BGRA|VDB94656.1 CFRU|XP\_031883389.1 CHIG|XP\_018152285.1 CVIN|KAF4919249.1 CVYL|A13203 FGRM|XP\_011323670.1 MORY|QBZ64808.1 MORY|QBZ66634.1 NCRA|XP\_955877.3 SSCL|APA08177.1

>Orthogroup6131: ANID|CBF88545.1 BCIN|XP\_001550034.1 BGRA|VCU41018.1 CFRU|XP\_031893453.1 CGLO|KAF3808353.1 CHIG|XP\_018152411.1 CVIN|KAF4918638.1 CVYL|A09512 MGRA|XP\_003855667.1 MORY|QBZ54489.1 NCRA|XP\_961470.2 SSCL|APA10478.1

>Orthogroup6132: ANID|CBF88566.1 BCIN|XP\_001556974.1 CFRU|XP\_031877782.1 CGLO|KAF3810683.1 CHIG|XP\_018162444.1 CVIN|KAF4916966.1 CVYL|A07274 FGRM|XP\_011327016.1 MGRA|XP\_003853468.1 MORY|QBZ55670.1 NCRA|XP\_956185.1 SSCL|APA10574.1

>Orthogroup6133: ANID|CBF88571.1 BCIN|XP\_001559774.1 CFRU|XP\_031890442.1 CGLO|KAF3805296.1 CHIG|XP\_018158613.1 CVIN|KAF4926027.1 CVYL|A13948 FGRM|XP\_011316452.1 MGRA|XP\_003853609.1 MORY|QBZ62594.1 NCRA|XP\_965417.1 SSCL|APA09661.1

>Orthogroup6134: ANID|CBF88575.1 BCIN|XP\_024549503.1 CFRU|XP\_031887553.1 CGLO|KAF3807120.1 CHIG|XP\_018160954.1 CVIN|KAF4920157.1 CVYL|A03517 FGRM|XP\_011323604.1 MGRA|XP\_003855971.1 MORY|QBZ57185.1 NCRA|XP\_962312.1 SSCL|APA09137.1

>Orthogroup6135: ANID|CBF88584.1 BCIN|XP\_001547339.1 BGRA|VCU40085.1 CFRU|XP\_031887728.1 CGLO|KAF3807150.1 CHIG|XP\_018160979.1 CVIN|KAF4920187.1 CVYL|A03551 FGRM|XP\_011327948.1 MORY|QBZ58807.1 NCRA|XP\_962073.1 SSCL|APA09121.1

>Orthogroup6136: ANID|CBF88586.1 BCIN|XP\_024549524.1 BGRA|VDB93982.1 CFRU|XP\_031885864.1 CHIG|XP\_018157636.1 CVIN|KAF4916893.1 CVYL|A09271 FGRM|XP\_011328106.1 MLAR|XP\_007413563.1 MORY|QBZ56360.1 NCRA|XP\_001728540.2 SSCL|APA09111.1

>Orthogroup6137: ANID|CBF88609.1 BCIN|XP\_024547491.1 CFRU|XP\_031886151.1 CGLO|KAF3801145.1 CHIG|XP\_018155219.1 CVIN|KAF4930379.1 CVYL|A05703 FGRM|XP\_011317463.1 MLAR|XP\_007408904.1 MORY|QBZ64811.1 NCRA|XP\_963499.2 SSCL|APA07667.1

>Orthogroup6138: ANID|CBF88634.1 BCIN|XP\_001550031.1 BGRA|VDB89098.1 CFRU|XP\_031893090.1 CGLO|KAF3808359.1 CHIG|XP\_018152421.1 CVIN|KAF4918626.1 CVYL|A09517 FGRM|XP\_011317701.1 MORY|QBZ54493.1 NCRA|XP\_961467.1 SSCL|APA10481.1

>Orthogroup6139: ANID|CBF88638.1 BCIN|XP\_001548837.1 CFRU|XP\_031886129.1 CGLO|KAF3805433.1 CHIG|XP\_018155293.1 CVIN|KAF4930334.1 CVYL|A05563 FGRM|XP\_011325573.1 MLAR|XP\_007416361.1 MORY|QBZ54040.1 NCRA|XP\_956848.2 SSCL|APA15963.1

>Orthogroup6140: ANID|CBF88641.1 BCIN|XP\_001546106.1 CFRU|XP\_031886262.1 CGLO|KAF3806273.1 CHIG|XP\_018162099.1 CVIN|KAF4923960.1 CVYL|A11863 FGRM|XP\_011324024.1 MGRA|XP\_003855422.1 MORY|QBZ61349.1 NCRA|XP\_957226.1 SSCL|APA10610.1

>Orthogroup6141: ANID|CBF88661.1 BCIN|XP\_001557492.1 BGRA|VCU39523.1 CFRU|XP\_031885046.1 CGLO|KAF3807680.1 CHIG|XP\_018162902.1 CVIN|KAF4927776.1 FGRM|XP\_011326267.1 MGRA|XP\_003855578.1 MORY|QBZ59725.1 NCRA|XP\_956680.3 SSCL|APA10621.1

>Orthogroup6142: ANID|CBF88676.1 BCIN|XP\_001554198.1 BGRA|VCU41022.1 CFRU|XP\_031885004.1 CGLO|KAF3800315.1 CHIG|XP\_018162945.1 CVYL|A06914 FGRM|XP\_011326254.1 MGRA|XP\_003848780.1 MORY|QBZ59733.1 NCRA|XP\_011393795.1 SSCL|APA10165.1

>Orthogroup6143: ANID|CBF88703.1 BCIN|XP\_001554197.1 CFRU|XP\_031885005.1 CGLO|KAF3800317.1 CHIG|XP\_018162943.1 CVYL|A06912 FGRM|XP\_011326256.1 MGRA|XP\_003855314.1 MLAR|XP\_007408253.1 MORY|QBZ59735.1 NCRA|XP\_957708.3 SSCL|APA10166.1

>Orthogroup6144: ANID|CBF88732.1 BCIN|XP\_024548592.1 BGRA|VDB83918.1 CFRU|XP\_031889987.1 CGLO|KAF3802935.1 CHIG|XP\_018158538.1 CVIN|KAF4925558.1 CVYL|A05083 FGRM|XP\_011316354.1 MORY|QBZ55989.1 NCRA|XP\_965020.2 SSCL|APA09999.1

>Orthogroup6145: ANID|CBF88743.1 BCIN|XP\_024548623.1 BGRA|VDB84026.1 CFRU|XP\_031890541.1 CHIG|XP\_018158661.1 CVIN|KAF4925987.1 FGRM|XP\_011316650.1 MGRA|XP\_003853474.1 MLAR|XP\_007405976.1 MORY|QBZ55479.1 NCRA|XP\_964098.1 SSCL|APA09848.1

>Orthogroup6146: ANID|CBF88750.1 BCIN|XP\_024548788.1 CFRU|XP\_031890542.1 CGLO|KAF3806691.1 CHIG|XP\_018158660.1 CVIN|KAF4925988.1 CVYL|A13995 FGRM|XP\_011316649.1 MGRA|XP\_003852941.1 MLAR|XP\_007416119.1 NCRA|XP\_011392934.1 SSCL|APA09669.1

>Orthogroup6147: ANID|CBF88813.1 BGRA|VCU40440.1 CFRU|XP\_031891748.1 CFRU|XP\_031893069.1 CGLO|KAF3800095.1 CGLO|KAF3808377.1 CHIG|XP\_018152446.1 CVIN|KAF4916851.1 CVIN|KAF4925827.1 CVYL|A09537 FGRM|XP\_011319301.1 MGRA|XP\_003853835.1

>Orthogroup6148: ANID|CBF88854.1 BCIN|XP\_024549519.1 BGRA|VCU40082.1 CFRU|XP\_031887730.1 CGLO|KAF3807154.1 CHIG|XP\_018160975.1 CVYL|A03556 FGRM|XP\_011327944.1 MLAR|XP\_007414331.1 MORY|QBZ58810.1 NCRA|XP\_962076.1 SSCL|APA09115.1

>Orthogroup6149: ANID|CBF88907.1 BCIN|XP\_001545706.2 BGRA|VCU39362.1 CFRU|XP\_031887588.1 CGLO|KAF3811634.1 CHIG|XP\_018160910.1 CVIN|KAF4921455.1 CVYL|A03494 FGRM|XP\_011323578.1 MORY|QBZ56592.1 NCRA|XP\_964435.1 SSCL|APA06210.1

>Orthogroup6150: ANID|CBF88962.1 BCIN|XP\_024553428.1 CFRU|XP\_031877111.1 CGLO|KAF3803959.1 CHIG|XP\_018150985.1 CVIN|KAF4925199.1 CVYL|A08843 FGRM|XP\_011323418.1 MGRA|XP\_003851592.1 MORY|QBZ59206.1 NCRA|XP\_957503.3 SSCL|APA13737.1

>Orthogroup6151: ANID|CBF88979.1 BCIN|XP\_024553036.1 CFRU|XP\_031887229.1 CGLO|KAF3809298.1 CHIG|XP\_018156132.1 CVIN|KAF4911360.1 CVYL|A01494 FGRM|XP\_011318827.1 MGRA|XP\_003856420.1 MORY|QBZ64613.1 NCRA|XP\_960701.3 SSCL|APA16174.1

>Orthogroup6152: ANID|CBF89038.1 BCIN|XP\_024552851.1 CFRU|XP\_031893247.1 CGLO|KAF3800860.1 CHIG|XP\_018150839.1 CVIN|KAF4915582.1 CVYL|A11099 FGRM|XP\_011323788.1 MGRA|XP\_003857354.1 MORY|QBZ56817.1 NCRA|XP\_962492.1 SSCL|APA07597.1

>Orthogroup6153: ANID|CBF89040.1 BCIN|XP\_024549576.1 CFRU|XP\_031877413.1 CGLO|KAF3805322.1 CHIG|XP\_018162029.1 CVIN|KAF4931521.1 CVYL|A11735 FGRM|XP\_011326329.1 MGRA|XP\_003856348.1 MORY|QBZ62963.1 NCRA|XP\_957136.1 SSCL|APA13957.1

>Orthogroup6154: ANID|CBF89044.1 BCIN|XP\_024551583.1 BCIN|XP\_024552685.1 BGRA|VDB89605.1 CFRU|XP\_031890706.1 CGLO|KAF3801589.1 CHIG|XP\_018151347.1 CVIN|KAF4922717.1 FGRM|XP\_011320343.1 MORY|QBZ55753.1 NCRA|XP\_960222.1 SSCL|APA14872.1

>Orthogroup6155: ANID|CBF89106.1 BCIN|XP\_001548881.1 CFRU|XP\_031881252.1 CGLO|KAF3802511.1 CHIG|XP\_018154816.1 CVIN|KAF4919019.1 CVYL|A02103 FGRM|XP\_011324637.1 MGRA|XP\_003848810.1 MORY|QBZ53959.1 NCRA|XP\_963229.1 SSCL|APA15991.1

>Orthogroup6156: ANID|CBF89145.1 BCIN|XP\_024546567.1 CFRU|XP\_031888929.1 CGLO|KAF3799209.1 CHIG|XP\_018159826.1 CVIN|KAF4909306.1 CVYL|A10104 FGRM|XP\_011328824.1 MGRA|XP\_003857431.1 MORY|QBZ59125.1 NCRA|XP\_960980.2 SSCL|APA06783.1

>Orthogroup6157: ANID|CBF89168.1 BCIN|XP\_001550264.1 BGRA|VCU39282.1 CFRU|XP\_031885897.1 CGLO|KAF3805484.1 CHIG|XP\_018155344.1 CVIN|KAF4898721.1 CVYL|A05612 FGRM|XP\_011319384.1 MORY|QBZ56869.1 NCRA|XP\_963810.3 SSCL|APA12860.1

>Orthogroup6158: ANID|CBF89179.1 CFRU|XP\_031878284.1 CFRU|XP\_031881285.1 CGLO|KAF3798058.1 CGLO|KAF3810979.1 CHIG|XP\_018154870.1 CVIN|KAF4921835.1 CVIN|KAF4927975.1 CVYL|A02176 CVYL|A08298 FGRM|XP\_011318298.1 MGRA|XP\_003855165.1

>Orthogroup6159: ANID|CBF89199.1 BCIN|XP\_024552347.1 CFRU|XP\_031893613.1 CGLO|KAF3800813.1 CHIG|XP\_018150912.1 CVIN|KAF4922472.1 CVYL|A08737 FGRM|XP\_011323770.1 MGRA|XP\_003849505.1 MORY|QBZ58852.1 NCRA|XP\_962343.3 SSCL|APA13250.1

>Orthogroup6160: ANID|CBF89208.1 BCIN|XP\_001551194.1 CFRU|XP\_031885303.1 CGLO|KAF3806499.1 CHIG|XP\_018152548.1 CHIG|XP\_018157535.1 CVIN|KAF4886796.1 CVYL|A09370 FGRM|XP\_011327889.1 MORY|QBZ56356.1 NCRA|XP\_961807.3 SSCL|APA13219.1

>Orthogroup6161: ANID|CBF89221.1 BCIN|XP\_024552279.1 BGRA|VCU39157.1 CFRU|XP\_031885301.1 CGLO|KAF3806501.1 CHIG|XP\_018157537.1 CVIN|KAF4921324.1 CVYL|A09369 FGRM|XP\_011327890.1 MORY|QBZ56354.1 NCRA|XP\_961809.2 SSCL|APA13048.1

>Orthogroup6162: ANID|CBF89243.1 BCIN|XP\_024552680.1 CFRU|XP\_031879444.1 CGLO|KAF3802405.1 CHIG|XP\_018154705.1 CVIN|KAF4922188.1 CVYL|A13549 FGRM|XP\_011317268.1 MGRA|XP\_003848881.1 MORY|QBZ64840.1 NCRA|XP\_961869.1 SSCL|APA15522.1

>Orthogroup6163: ANID|CBF89353.1 BGRA|VDB95215.1 CFRU|XP\_031891349.1 CGLO|KAF3804644.1 CHIG|XP\_018161723.1 CVIN|KAF4913886.1 CVYL|A05241 FGRM|XP\_011318512.1 FGRM|XP\_011318706.1 MORY|QBZ62383.1 NCRA|XP\_958246.1 NCRA|XP\_960262.1

>Orthogroup6164: ANID|CBF89369.1 BCIN|XP\_024548919.1 CFRU|XP\_031885084.1 CGLO|KAF3807733.1 CHIG|XP\_018162964.1 CVIN|KAF4920531.1 CVYL|A06597 FGRM|XP\_011328839.1 MGRA|XP\_003851253.1 MORY|QBZ56823.1 NCRA|XP\_958310.1 SSCL|APA09581.1

>Orthogroup6165: ANID|CBF89430.1 BCIN|XP\_024548415.1 CFRU|XP\_031881281.1 CGLO|KAF3802449.1 CHIG|XP\_018154748.1 CVIN|KAF4913917.1 CVYL|A02040 FGRM|XP\_011316706.1 MGRA|XP\_003856433.1 MORY|QBZ54032.1 NCRA|XP\_956857.1 SSCL|APA12285.1

>Orthogroup6166: ANID|CBF89443.1 BCIN|XP\_001552054.2 BGRA|VDB89893.1 CFRU|XP\_031891098.1 CGLO|KAF3811751.1 CHIG|XP\_018151788.1 CVIN|KAF4923010.1 CVYL|A12766 FGRM|XP\_011319504.1 MORY|QBZ61937.1 NCRA|XP\_959829.1 SSCL|APA10002.1

>Orthogroup6167: ANID|CBF89444.1 BCIN|XP\_001559798.1 CFRU|XP\_031891112.1 CGLO|KAF3801532.1 CHIG|XP\_018151950.1 CVIN|KAF4921125.1 CVYL|A12605 FGRM|XP\_011325657.1 MGRA|XP\_003854370.1 MORY|QBZ55814.1 NCRA|XP\_963573.2 SSCL|APA09681.1

>Orthogroup6168: ANID|CBF89463.1 BCIN|XP\_024553075.1 BGRA|VCU39624.1 CFRU|XP\_031883390.1 CGLO|KAF3800535.1 CHIG|XP\_018152150.1 CVIN|KAF4919218.1 CVYL|A13180 FGRM|XP\_011316343.1 MORY|QBZ54394.1 NCRA|XP\_957205.2 SSCL|APA16289.1

>Orthogroup6169: ANID|CBF89465.1 BCIN|XP\_024553077.1 BGRA|VCU39628.1 CFRU|XP\_031883395.1 CGLO|KAF3800537.1 CHIG|XP\_018152146.1 CVIN|KAF4923824.1 CVYL|A13178 FGRM|XP\_011316345.1 MORY|QBZ54397.1 NCRA|XP\_957203.1 SSCL|APA16291.1

>Orthogroup6170: ANID|CBF89485.1 BCIN|XP\_024548649.1 CFRU|XP\_031878355.1 CGLO|KAF3798104.1 CHIG|XP\_018158135.1 CVIN|KAF4927942.1 CVYL|A08253 FGRM|XP\_011323849.1 MLAR|XP\_007410831.1 MORY|QBZ62716.1 NCRA|XP\_958580.2 SSCL|APA09945.1

>Orthogroup6171: ANID|CBF89496.1 BCIN|XP\_001548220.1 BGRA|VCU40270.1 CFRU|XP\_031890626.1 CGLO|KAF3805290.1 CHIG|XP\_018158609.1 CVIN|KAF4926021.1 CVYL|A13941 FGRM|XP\_011316437.1 MORY|QBZ56094.1 NCRA|XP\_964985.1 SSCL|APA09959.1

>Orthogroup6172: ANID|CBF89504.1 BCIN|XP\_024548966.1 BGRA|VDB93261.1 CFRU|XP\_031889946.1 CGLO|KAF3802906.1 CHIG|XP\_018158510.1 CVIN|KAF4907425.1 CVYL|A05107 FGRM|XP\_011316602.1 MGRA|XP\_003857516.1 NCRA|XP\_011392859.1 SSCL|APA09551.1

>Orthogroup6173: ANID|CBF89546.1 BCIN|XP\_001546272.1 BGRA|VCU39751.1 CFRU|XP\_031885258.1 CGLO|KAF3807685.1 CHIG|XP\_018162911.1 CVIN|KAF4927840.1 CVYL|A06878 FGRM|XP\_011326269.1 MORY|QBZ61460.1 NCRA|XP\_001728507.1 SSCL|APA10239.1

>Orthogroup6174: ANID|CBF89600.1 BCIN|XP\_024546681.1 CFRU|XP\_031884151.1 CGLO|KAF3799928.1 CHIG|XP\_018153057.1 CVIN|KAF4907001.1 CVYL|A14177 FGRM|XP\_011328002.1 MGRA|XP\_003850799.1 MORY|QBZ63324.1 NCRA|XP\_964397.2 SSCL|APA06528.1

>Orthogroup6175: ANID|CBF89634.1 BCIN|XP\_024546100.1 CFRU|XP\_031890652.1 CGLO|KAF3804911.1 CHIG|XP\_018164352.1 CVIN|KAF4919399.1 CVYL|A12147 FGRM|XP\_011317153.1 MGRA|XP\_003851074.1 MORY|QBZ56448.1 NCRA|XP\_964268.1 SSCL|APA06619.1

>Orthogroup6176: ANID|CBF89654.1 BCIN|XP\_001559120.1 CFRU|XP\_031884349.1 CGLO|KAF3799950.1 CHIG|XP\_018153061.1 CVIN|KAF4903082.1 CVYL|A14191 FGRM|XP\_011323506.1 MGRA|XP\_003854717.1 MORY|QBZ63318.1 NCRA|XP\_964394.1 SSCL|APA09040.1

>Orthogroup6177: ANID|CBF89666.1 BCIN|XP\_024546688.1 CFRU|XP\_031884317.1 CGLO|KAF3799938.1 CHIG|XP\_018153065.1 CVIN|KAF4903088.1 CVYL|A14186 FGRM|XP\_011323509.1 MGRA|XP\_003851008.1 MORY|QBZ64025.1 NCRA|XP\_964388.1 SSCL|APA06539.1

>Orthogroup6178: ANID|CBF89668.1 BCIN|XP\_001549545.1 CFRU|XP\_031883322.1 CGLO|KAF3800609.1 CHIG|XP\_018152070.1 CVIN|KAF4918193.1 CVYL|A13109 FGRM|XP\_011321301.1 MGRA|XP\_003855083.1 MORY|QBZ61042.1 NCRA|XP\_011393579.1 SSCL|APA13555.1

>Orthogroup6179: ANID|CBF89689.1 BCIN|XP\_001558621.2 CFRU|XP\_031878001.1 CGLO|KAF3799605.1 CHIG|XP\_018154600.1 CVIN|KAF4926494.1 CVYL|A13467 FGRM|XP\_011316544.1 MGRA|XP\_003854861.1 MORY|QBZ60969.1 NCRA|XP\_956118.2 SSCL|APA05680.1

>Orthogroup6180: ANID|CBF89707.1 BCIN|XP\_001554768.1 CFRU|XP\_031889681.1 CGLO|KAF3810608.1 CHIG|XP\_018158964.1 CVIN|KAF4908286.1 CVYL|A13691 FGRM|XP\_011319648.1 FGRM|XP\_011321727.1 MGRA|XP\_003855497.1 MORY|QBZ53519.1 SSCL|APA15497.1

>Orthogroup6181: ANID|CBF89742.1 BCIN|XP\_024550528.1 CFRU|XP\_031891925.1 CGLO|KAF3801381.1 CHIG|XP\_018164770.1 CVIN|KAF4907820.1 CVYL|A07701 FGRM|XP\_011317838.1 MGRA|XP\_003856499.1 MORY|QBZ63637.1 NCRA|XP\_960347.1 SSCL|APA11255.1

>Orthogroup6182: ANID|CBF89751.1 BCIN|XP\_024546297.1 BGRA|VDB91086.1 CFRU|XP\_031882726.1 CGLO|KAF3812062.1 CHIG|XP\_018164181.1 CVIN|KAF4923664.1 CVYL|A14235 MLAR|XP\_007404305.1 MORY|QBZ56479.1 NCRA|XP\_964685.1 SSCL|APA06926.1

>Orthogroup6183: ANID|CBF89753.1 BCIN|XP\_001546132.1 BGRA|VDB90760.1 CFRU|XP\_031892686.1 CHIG|XP\_018153516.1 CVIN|KAF4919868.1 CVYL|A00093 FGRM|XP\_011316104.1 MGRA|XP\_003852208.1 MLAR|XP\_007406084.1 MORY|QBZ55577.1 NCRA|XP\_011393022.1

>Orthogroup6184: ANID|CBF89762.1 BCIN|XP\_001555201.1 CFRU|XP\_031888602.1 CGLO|KAF3803675.1 CHIG|XP\_018163777.1 CVYL|A14605 FGRM|XP\_011326752.1 MGRA|XP\_003852296.1 MLAR|XP\_007404496.1 MORY|QBZ55548.1 NCRA|XP\_963715.1 SSCL|APA09187.1

>Orthogroup6185: ANID|CBF89764.1 BCIN|XP\_024548697.1 CFRU|XP\_031889584.1 CGLO|KAF3805217.1 CHIG|XP\_018158853.1 CVIN|KAF4907190.1 CVYL|A13864 FGRM|XP\_011316444.1 MGRA|XP\_003853274.1 MORY|QBZ56111.1 NCRA|XP\_964016.1 SSCL|APA09874.1

>Orthogroup6186: ANID|CBF89777.1 BCIN|XP\_001560037.1 BGRA|VCU40293.1 CFRU|XP\_031889567.1 CGLO|KAF3805873.1 CHIG|XP\_018158880.1 CVIN|KAF4920772.1 CVYL|A13840 FGRM|XP\_011316696.1 MORY|QBZ62576.1 NCRA|XP\_965256.1 SSCL|APA09872.1

>Orthogroup6187: ANID|CBF89790.1 BCIN|XP\_001554173.1 CFRU|XP\_031893418.1 CGLO|KAF3808368.1 CHIG|XP\_018152432.1 CVIN|KAF4916835.1 CVYL|A09527 FGRM|XP\_011317877.1 MGRA|XP\_003848484.1 MORY|QBZ54053.1 NCRA|XP\_961291.1 SSCL|APA10186.1

>Orthogroup6188: ANID|CBF89802.1 BCIN|XP\_024551330.1 BGRA|VDB89156.1 CFRU|XP\_031886564.1 CHIG|XP\_018162691.1 CVIN|KAF4919540.1 CVYL|A07035 FGRM|XP\_011326941.1 MLAR|XP\_007403755.1 MORY|QBZ55657.1 NCRA|XP\_956376.3 SSCL|APA10542.1

>Orthogroup6189: ANID|CBF89817.1 BCIN|XP\_024551503.1 BGRA|VCU39762.1 CFRU|XP\_031893407.1 CGLO|KAF3808399.1 CHIG|XP\_018152471.1 CVIN|KAF4909959.1 CVYL|A09559 FGRM|XP\_011317682.1 MGRA|XP\_003853365.1 NCRA|XP\_001728347.1 SSCL|APA10195.1

>Orthogroup6190: ANID|CBF89845.1 BCIN|XP\_001557392.2 BGRA|VCU39812.1 CFRU|XP\_031885193.1 CGLO|KAF3800332.1 CHIG|XP\_018162816.1 CVIN|KAF4918879.1 CVYL|A07287 FGRM|XP\_011326421.1 MORY|QBZ63230.1 NCRA|XP\_957741.2 SSCL|APA10678.1

>Orthogroup6191: ANID|CBF89850.1 BCIN|XP\_024551293.1 BGRA|VCU39511.1 CFRU|XP\_031878357.1 CGLO|KAF3810764.1 CHIG|XP\_018162561.1 CVIN|KAF4932084.1 CVYL|A07190 FGRM|XP\_011326311.1 MORY|QBZ59706.1 NCRA|XP\_956394.2 SSCL|APA10253.1

>Orthogroup6192: ANID|CBF89880.1 BCIN|XP\_024551488.1 CFRU|XP\_031884850.1 CGLO|KAF3812164.1 CHIG|XP\_018153406.1 CVIN|KAF4918733.1 CVYL|A00227 FGRM|XP\_011328743.1 MGRA|XP\_003853051.1 MORY|QBZ58653.1 NCRA|XP\_960000.1 SSCL|APA10389.1

>Orthogroup6193: ANID|CBF89893.1 BCIN|XP\_024552346.1 BGRA|VCU39238.1 CFRU|XP\_031878689.1 CGLO|KAF3798355.1 CHIG|XP\_018151138.1 CVIN|KAF4923600.1 CVYL|A09029 FGRM|XP\_011323463.1 MORY|QBZ59259.1 NCRA|XP\_962478.1 SSCL|APA13252.1

>Orthogroup6194: ANID|CBF89897.1 BCIN|XP\_001560530.1 CFRU|XP\_031880394.1 CGLO|KAF3807264.1 CHIG|XP\_018156939.1 CVIN|KAF4928182.1 CVYL|A10746 FGRM|XP\_011320011.1 MGRA|XP\_003853688.1 MORY|QBZ66170.1 NCRA|XP\_964291.2 SSCL|APA07733.1

>Orthogroup6195: ANID|CBF89935.1 BCIN|XP\_001555190.1 CFRU|XP\_031886971.1 CGLO|KAF3811376.1 CHIG|XP\_018160612.1 CVIN|KAF4921011.1 CVYL|A04568 FGRM|XP\_011327209.1 MGRA|XP\_003851154.1 MORY|QBZ59043.1 NCRA|XP\_958757.1 SSCL|APA09179.1

>Orthogroup6196: ANID|CBF89963.1 BCIN|XP\_024552264.1 CFRU|XP\_031882602.1 CGLO|KAF3803922.1 CHIG|XP\_018151020.1 CVIN|KAF4925479.1 CVYL|A08880 FGRM|XP\_011323819.1 MGRA|XP\_003849496.1 MORY|QBZ56217.1 NCRA|XP\_962643.1 SSCL|APA13111.1

>Orthogroup6197: ANID|CBF89966.1 BCIN|XP\_024552290.1 BGRA|VCU39234.1 CFRU|XP\_031887453.1 CHIG|XP\_018161024.1 CVIN|KAF4920227.1 FGRM|XP\_011323817.1 MGRA|XP\_003849263.1 MLAR|XP\_007407342.1 MORY|QBZ58838.1 NCRA|XP\_962364.1 SSCL|APA13068.1

>Orthogroup6198: ANID|CBF89968.1 BCIN|XP\_001558134.1 CFRU|XP\_031876711.1 CGLO|KAF3798698.1 CHIG|XP\_018157456.1 CVIN|KAF4918465.1 CVYL|A09435 FGRM|XP\_011321348.1 MGRA|XP\_003849745.1 MORY|QBZ57155.1 NCRA|XP\_962697.2 SSCL|APA12976.1

>Orthogroup6199: ANID|CBF89984.1 BCIN|XP\_001552259.1 BGRA|VDB92767.1 CFRU|XP\_031877520.1 CGLO|KAF3798434.1 CHIG|XP\_018161252.1 CVIN|KAF4920002.1 CVYL|A11203 FGRM|XP\_011321437.1 MORY|QBZ56748.1 NCRA|XP\_961959.3 SSCL|APA12888.1

>Orthogroup6200: ANID|CBF90020.1 BCIN|XP\_024552139.1 CFRU|XP\_031890020.1 CGLO|KAF3798719.1 CHIG|XP\_018151275.1 CVIN|KAF4910254.1 CVYL|A09193 FGRM|XP\_011327919.1 MGRA|XP\_003849834.1 MORY|QBZ58897.1 NCRA|XP\_001728043.2 SSCL|APA12973.1

>Orthogroup6201: ANID|CBF90058.1 BCIN|XP\_024552237.1 CFRU|XP\_031876580.1 CGLO|KAF3800889.1 CHIG|XP\_018150794.1 CVIN|KAF4911849.1 CVYL|A11129 FGRM|XP\_011323799.1 MGRA|XP\_003849773.1 MORY|QBZ56706.1 NCRA|XP\_962275.1 SSCL|APA13021.1

>Orthogroup6202: ANID|CBF90075.1 BCIN|XP\_024552205.1 BGRA|VCU39476.1 CFRU|XP\_031882610.1 CGLO|KAF3803893.1 CHIG|XP\_018151044.1 CVIN|KAF4925408.1 CVYL|A08904 FGRM|XP\_011323476.1 MORY|QBZ64062.1 NCRA|XP\_962578.1 SSCL|APA12899.1

>Orthogroup6203: ANID|CBF90081.1 BCIN|XP\_001549034.1 BGRA|VDB92902.1 CFRU|XP\_031876810.1 CGLO|KAF3797959.1 CHIG|XP\_018162862.1 CVIN|KAF4914940.1 CVYL|A11239 FGRM|XP\_011322673.1 MGRA|XP\_003851246.1 MGRA|XP\_003852911.1 NCRA|XP\_011395380.1

>Orthogroup6204: ANID|CBF90111.1 BCIN|XP\_024552710.1 CFRU|XP\_031879477.1 CGLO|KAF3802431.1 CHIG|XP\_018154732.1 CVIN|KAF4918231.1 CVYL|A13573 FGRM|XP\_011317369.1 MGRA|XP\_003849462.1 MORY|QBZ64871.1 NCRA|XP\_956519.1 SSCL|APA15457.1

>Orthogroup6205: ANID|CBF90127.1 BCIN|XP\_024552499.1 CFRU|XP\_031879514.1 CGLO|KAF3802400.1 CHIG|XP\_018154700.1 CVIN|KAF4922199.1 CVYL|A13544 FGRM|XP\_011317280.1 MGRA|XP\_003849471.1 MORY|QBZ54012.1 NCRA|XP\_957170.1 SSCL|APA08505.1

>Orthogroup6206: ANID|CBF90154.1 BCIN|XP\_024552390.1 CFRU|XP\_031887668.1 CGLO|KAF3807161.1 CHIG|XP\_018160984.1 CVIN|KAF4917570.1 CVYL|A03564 FGRM|XP\_011324869.1 MGRA|XP\_003849445.1 MORY|QBZ56302.1 NCRA|XP\_962542.1 SSCL|APA13315.1

>Orthogroup6207: ANID|CBF90174.1 BCIN|XP\_001548671.1 BGRA|VDB88053.1 CFRU|XP\_031881734.1 CGLO|KAF3800676.1 CHIG|XP\_018152006.1 CVIN|KAF4922044.1 CVYL|A13040 CVYL|A13041 FGRM|XP\_011321249.1 NCRA|XP\_956207.3 SSCL|APA15600.1

>Orthogroup6208: ANID|CBF90186.1 BCIN|XP\_001552244.1 BGRA|VCU39303.1 CFRU|XP\_031887753.1 CGLO|KAF3811628.1 CHIG|XP\_018160901.1 CVIN|KAF4921426.1 CVYL|A03488 FGRM|XP\_011324868.1 MORY|QBZ56699.1 NCRA|XP\_961980.2 SSCL|APA12903.1

>Orthogroup6209: ANID|CBF90203.1 BCIN|XP\_024552262.1 CFRU|XP\_031882530.1 CGLO|KAF3803935.1 CHIG|XP\_018151010.1 CVIN|KAF4903550.1 CVYL|A08867 MGRA|XP\_003848215.1 MGRA|XP\_003849344.1 MORY|QBZ56334.1 NCRA|XP\_962507.3 SSCL|APA13109.1

>Orthogroup6210: ANID|CBF90206.1 BCIN|XP\_024550292.1 CFRU|XP\_031879288.1 CGLO|KAF3808629.1 CHIG|XP\_018161883.1 CVIN|KAF4926181.1 CVYL|A12199 FGRM|XP\_011321476.1 MGRA|XP\_003855560.1 MORY|QBZ59634.1 NCRA|XP\_962868.2 SSCL|APA10963.1

>Orthogroup6211: ANID|CBF90220.1 BCIN|XP\_001554030.1 CFRU|XP\_031879314.1 CGLO|KAF3808618.1 CHIG|XP\_018161898.1 CVIN|KAF4926140.1 CVYL|A12288 FGRM|XP\_011318504.1 MGRA|XP\_003854888.1 MORY|QBZ59638.1 NCRA|XP\_011393905.1 SSCL|APA11120.1

>Orthogroup6212: ANID|CBF90231.1 BCIN|XP\_001553003.1 BGRA|VDB94554.1 CFRU|XP\_031891233.1 CHIG|XP\_018161747.1 CVYL|A05207 FGRM|XP\_011321529.1 MGRA|XP\_003855683.1 MLAR|XP\_007408008.1 MORY|QBZ59571.1 NCRA|XP\_011393845.1 SSCL|APA11228.1

>Orthogroup6213: ANID|CBF90232.1 BCIN|XP\_001553002.1 BGRA|VDB94553.1 CFRU|XP\_031891175.1 CGLO|KAF3804676.1 CHIG|XP\_018161746.1 CVIN|KAF4902794.1 CVYL|A05208 FGRM|XP\_011321528.1 MGRA|XP\_003855684.1 NCRA|XP\_956708.3 SSCL|APA11227.1

>Orthogroup6214: ANID|CBF90247.1 BCIN|XP\_024550530.1 CFRU|XP\_031891273.1 CGLO|KAF3811124.1 CHIG|XP\_018160379.1 CVIN|KAF4924498.1 CVYL|A04279 FGRM|XP\_011326699.1 MGRA|XP\_003848903.1 MORY|QBZ57737.1 NCRA|XP\_960716.1 SSCL|APA11296.1

>Orthogroup6215: ANID|CBF90256.1 BCIN|XP\_001553081.2 BGRA|VDB94692.1 CFRU|XP\_031891274.1 CHIG|XP\_018160376.1 CVIN|KAF4924503.1 CVYL|A04282 FGRM|XP\_011327075.1 MGRA|XP\_003854461.1 MLAR|XP\_007412956.1 NCRA|XP\_961309.2 SSCL|APA11297.1

>Orthogroup6216: ANID|CBF90260.1 BCIN|XP\_001552540.1 CFRU|XP\_031891633.1 CGLO|KAF3797907.1 CHIG|XP\_018161612.1 CVIN|KAF4905688.1 CVYL|A05344 FGRM|XP\_011318661.1 MGRA|XP\_003855131.1 MORY|QBZ62006.1 NCRA|XP\_963054.1 SSCL|APA10800.1

>Orthogroup6217: ANID|CBF90301.1 BCIN|XP\_024550186.1 CFRU|XP\_031885185.1 CGLO|KAF3807645.1 CHIG|XP\_018162872.1 CVIN|KAF4927793.1 CVYL|A07830 FGRM|XP\_011327048.1 MGRA|XP\_003854927.1 MORY|QBZ61312.1 NCRA|XP\_957308.1 SSCL|APA10859.1

>Orthogroup6218: ANID|CBF90306.1 BCIN|XP\_024550567.1 BGRA|VDB94532.1 CFRU|XP\_031891358.1 CGLO|KAF3804637.1 CHIG|XP\_018161730.1 CVIN|KAF4919094.1 CVYL|A05248 FGRM|XP\_011318698.1 MGRA|XP\_003855427.1 NCRA|XP\_958507.2 SSCL|APA11363.1

>Orthogroup6219: ANID|CBF90317.1 BCIN|XP\_024550599.1 CFRU|XP\_031891438.1 CGLO|KAF3804730.1 CHIG|XP\_018161807.1 CVIN|KAF4923367.1 CVYL|A05388 FGRM|XP\_011321477.1 MLAR|XP\_007405969.1 MORY|QBZ59608.1 NCRA|XP\_962937.3 SSCL|APA11406.1

>Orthogroup6220: BCIN|XP\_024545927.1 CFRU|XP\_031880486.1 CFRU|XP\_031881566.1 CGLO|KAF3807460.1 CGLO|KAF3811580.1 CHIG|XP\_018156774.1 CVIN|KAF4914886.1 CVIN|KAF4918511.1 CVYL|A10971 FGRM|XP\_011327939.1 MORY|QBZ56610.1 SSCL|APA07354.1

>Orthogroup6221: BCIN|XP\_001547454.1 BGRA|VCU38922.1 CFRU|XP\_031880546.1 CGLO|KAF3811591.1 CHIG|XP\_018160857.1 CVIN|KAF4914881.1 CVYL|A03446 FGRM|XP\_011327852.1 MGRA|XP\_003854946.1 MORY|QBZ58870.1 NCRA|XP\_962237.3 SSCL|APA07362.1

>Orthogroup6222: BCIN|XP\_024545936.1 BGRA|VCU38925.1 CFRU|XP\_031887686.1 CGLO|KAF3811596.1 CHIG|XP\_018160864.1 CVYL|A03454 FGRM|XP\_011324855.1 MGRA|XP\_003854952.1 MLAR|XP\_007406313.1 MORY|QBZ58876.1 NCRA|XP\_962231.1 SSCL|APA07367.1

>Orthogroup6223: BCIN|XP\_024546118.1 BGRA|VDB90548.1 CFRU|XP\_031888479.1 CGLO|KAF3803521.1 CHIG|XP\_018164068.1 CVIN|KAF4922241.1 CVYL|A14451 FGRM|XP\_011316168.1 MGRA|XP\_003852240.1 MORY|QBZ56423.1 NCRA|XP\_965146.1 SSCL|APA06640.1

>Orthogroup6224: BCIN|XP\_024546119.1 BGRA|VDB90549.1 CFRU|XP\_031888478.1 CGLO|KAF3803522.1 CHIG|XP\_018164067.1 CVIN|KAF4922236.1 CVYL|A14452 FGRM|XP\_011316169.1 MGRA|XP\_003852199.1 MORY|QBZ56422.1 NCRA|XP\_965145.1 SSCL|APA06641.1

>Orthogroup6225: BCIN|XP\_001548369.1 CFRU|XP\_031878650.1 CFRU|XP\_031892936.1 CGLO|KAF3800784.1 CGLO|KAF3803839.1 CGLO|KAF3805026.1 CHIG|XP\_018163013.1 CVIN|KAF4906644.1 CVIN|KAF4922509.1 CVYL|A08767 CVYL|A08961 MGRA|XP\_003851118.1

>Orthogroup6226: BCIN|XP\_024546294.1 BGRA|VDB91090.1 CFRU|XP\_031882814.1 CGLO|KAF3812058.1 CHIG|XP\_018164185.1 CVIN|KAF4923660.1 CVYL|A14239 FGRM|XP\_011326793.1 MGRA|XP\_003848259.1 MORY|QBZ63789.1 NCRA|XP\_011393261.1 SSCL|APA06931.1

>Orthogroup6227: BCIN|XP\_024546371.1 BGRA|VDB90835.1 CFRU|XP\_031890354.1 CGLO|KAF3804948.1 CHIG|XP\_018164454.1 FGRM|XP\_011316861.1 MGRA|XP\_003856099.1 MLAR|XP\_007414711.1 MLAR|XP\_007416360.1 MORY|QBZ54733.1 NCRA|XP\_001728020.2 SSCL|APA06842.1

>Orthogroup6228: BCIN|XP\_024546443.1 CFRU|XP\_031887467.1 CGLO|KAF3803322.1 CHIG|XP\_018161174.1 CVIN|KAF4898746.1 CVYL|A03759 FGRM|XP\_011321357.1 MLAR|XP\_007412202.1 MLAR|XP\_007416777.1 MORY|QBZ56683.1 NCRA|XP\_011394085.1 SSCL|APA07089.1

>Orthogroup6229: BCIN|XP\_024546452.1 BGRA|VDB92437.1 CFRU|XP\_031888488.1 CGLO|KAF3803720.1 CHIG|XP\_018163725.1 CVIN|KAF4928494.1 CVYL|A14656 FGRM|XP\_011316826.1 MGRA|XP\_003851316.1 MORY|QBZ54584.1 NCRA|XP\_965657.2 SSCL|APA07120.1

>Orthogroup6230: BCIN|XP\_024546475.1 BGRA|VDB86119.1 CFRU|XP\_031881564.1 CGLO|KAF3807440.1 CHIG|XP\_018156787.1 CVIN|KAF4918513.1 CVYL|A10946 FGRM|XP\_011328285.1 MGRA|XP\_003854463.1 MORY|QBZ65851.1 NCRA|XP\_011392793.1 SSCL|APA06771.1

>Orthogroup6231: BCIN|XP\_001561069.2 BGRA|VDB95172.1 CFRU|XP\_031878158.1 CGLO|KAF3801861.1 CHIG|XP\_018159349.1 CVIN|KAF4913584.1 CVYL|A02313 FGRM|XP\_011320410.1 MGRA|XP\_003854316.1 MORY|QBZ62869.1 NCRA|XP\_960453.1 SSCL|APA06762.1

>Orthogroup6232: BCIN|XP\_001561002.1 CFRU|XP\_031888324.1 CGLO|KAF3803578.1 CHIG|XP\_018163895.1 CVIN|KAF4922224.1 CVYL|A14511 FGRM|XP\_011316751.1 MGRA|XP\_003852109.1 MLAR|XP\_007404887.1 MORY|QBZ55309.1 NCRA|XP\_965473.1 SSCL|APA06727.1

>Orthogroup6233: BCIN|XP\_024546539.1 BCIN|XP\_024553501.1 CFRU|XP\_031892040.1 CGLO|KAF3801423.1 CHIG|XP\_018164751.1 CVIN|KAF4922335.1 CVYL|A07661 FGRM|XP\_011324966.1 MORY|QBZ64380.1 NCRA|XP\_011395003.1 NCRA|XP\_959255.1 NCRA|XP\_960277.1

>Orthogroup6234: BCIN|XP\_024546552.1 BGRA|VDB91103.1 CFRU|XP\_031882847.1 CGLO|KAF3803438.1 CHIG|XP\_018164113.1 CVIN|KAF4926339.1 CVYL|A14367 FGRM|XP\_011326819.1 MLAR|XP\_007408492.1 MORY|QBZ56471.1 NCRA|XP\_011393039.1 SSCL|APA06795.1

>Orthogroup6235: BCIN|XP\_024546565.1 CFRU|XP\_031877299.1 CGLO|KAF3806831.1 CHIG|XP\_018159526.1 CVIN|KAF4909283.1 CVYL|A02478 FGRM|XP\_011320497.1 MGRA|XP\_003854351.1 MLAR|XP\_007403616.1 MORY|QBZ62925.1 NCRA|XP\_960484.3 SSCL|APA06785.1

>Orthogroup6236: BCIN|XP\_001553601.2 CFRU|XP\_031890666.1 CGLO|KAF3804940.1 CHIG|XP\_018164442.1 CVIN|KAF4919434.1 CVYL|A12114 FGRM|XP\_011316882.1 MGRA|XP\_003851088.1 MLAR|XP\_007411860.1 MORY|QBZ55559.1 NCRA|XP\_001728390.2 SSCL|APA06433.1

>Orthogroup6237: BCIN|XP\_001556425.1 BGRA|VDB89699.1 CFRU|XP\_031885583.1 CGLO|KAF3810256.1 CHIG|XP\_018157947.1 CVIN|KAF4910801.1 CVYL|A02858 FGRM|XP\_011320375.1 MGRA|XP\_003856920.1 MORY|QBZ62148.1 NCRA|XP\_957537.2 SSCL|APA06579.1

>Orthogroup6238: BCIN|XP\_024546720.1 CFRU|XP\_031876677.1 CFRU|XP\_031879583.1 CGLO|KAF3801921.1 CGLO|KAF3802689.1 CHIG|XP\_018151478.1 CVIN|KAF4918691.1 CVIN|KAF4920434.1 CVYL|A02358 CVYL|A08013 MGRA|XP\_003849308.1 SSCL|APA06834.1

>Orthogroup6239: BCIN|XP\_001549323.1 CFRU|XP\_031883244.1 CGLO|KAF3801701.1 CHIG|XP\_018159208.1 CVIN|KAF4915629.1 CVYL|A12997 FGRM|XP\_011320382.1 MGRA|XP\_003854075.1 MLAR|XP\_007411459.1 MORY|QBZ62199.1 NCRA|XP\_960391.1 SSCL|APA06393.1

>Orthogroup6240: BCIN|XP\_001559012.1 BGRA|VCU40132.1 CFRU|XP\_031888612.1 CGLO|KAF3804250.1 CHIG|XP\_018160047.1 CVIN|KAF4930130.1 CVYL|A03927 FGRM|XP\_011323696.1 MGRA|XP\_003850190.1 MORY|QBZ56914.1 NCRA|XP\_960610.3 SSCL|APA05865.1

>Orthogroup6241: BCIN|XP\_001547700.1 BCIN|XP\_001558917.2 CFRU|XP\_031890628.1 CGLO|KAF3805288.1 CHIG|XP\_018156417.1 CVIN|KAF4926019.1 FGRM|XP\_011318609.1 MGRA|XP\_003849012.1 MORY|QBZ56098.1 NCRA|XP\_957107.1 SSCL|APA05802.1 SSCL|APA13299.1

>Orthogroup6242: BCIN|XP\_001558865.1 BGRA|VCU40569.1 CFRU|XP\_031888865.1 CGLO|KAF3799222.1 CHIG|XP\_018159851.1 CVIN|KAF4909320.1 CVYL|A10116 FGRM|XP\_011328820.1 MGRA|XP\_003850125.1 MORY|QBZ59121.1 NCRA|XP\_960990.1 SSCL|APA05769.1

>Orthogroup6243: BCIN|XP\_001552953.2 BCIN|XP\_024548606.1 BCIN|XP\_024552208.1 CFRU|XP\_031888923.1 CGLO|KAF3799208.1 CHIG|XP\_018159825.1 CVIN|KAF4909303.1 CVYL|A10103 MGRA|XP\_003856569.1 SSCL|APA05414.1 SSCL|APA09816.1 SSCL|APA12913.1

>Orthogroup6244: BCIN|XP\_001552716.1 BGRA|VDB92911.1 CFRU|XP\_031892277.1 CGLO|KAF3801267.1 CHIG|XP\_018164864.1 CVIN|KAF4921554.1 CVYL|A07823 FGRM|XP\_011327771.1 MGRA|XP\_003848372.1 MORY|QBZ60689.1 NCRA|XP\_956441.1 SSCL|APA14090.1

>Orthogroup6245: BCIN|XP\_001550620.1 BGRA|VDB88976.1 CFRU|XP\_031891888.1 CGLO|KAF3805631.1 CHIG|XP\_018164695.1 CVIN|KAF4925723.1 CVYL|A07569 FGRM|XP\_011324677.1 MGRA|XP\_003848635.1 MORY|QBZ62297.1 NCRA|XP\_011395115.1 SSCL|APA14139.1

>Orthogroup6246: BCIN|XP\_001550616.1 BCIN|XP\_024548061.1 BCIN|XP\_024550932.1 CFRU|XP\_031886393.1 CGLO|KAF3806268.1 CHIG|XP\_018162095.1 CVIN|KAF4923963.1 CVYL|A08931 CVYL|A11858 FGRM|XP\_011319018.1 FGRM|XP\_011322399.1 SSCL|APA11193.1

>Orthogroup6247: BCIN|XP\_024547295.1 BCIN|XP\_024547296.1 CFRU|XP\_031884096.1 CGLO|KAF3811031.1 CGLO|KAF3811068.1 CHIG|XP\_018151780.1 CHIG|XP\_018161915.1 CHIG|XP\_018164774.1 CVIN|KAF4915260.1 CVYL|A00606 CVYL|A09729 MORY|QBZ57270.1

>Orthogroup6248: BCIN|XP\_024547326.1 CFRU|XP\_031882034.1 CGLO|KAF3806093.1 CHIG|XP\_018153998.1 CHIG|XP\_018164579.1 CVIN|KAF4891221.1 CVYL|A07419 FGRM|XP\_011315984.1 MGRA|XP\_003853004.1 MORY|QBZ62271.1 NCRA|XP\_959922.1 SSCL|APA14305.1

>Orthogroup6249: BCIN|XP\_024547350.1 BGRA|VDB88914.1 CFRU|XP\_031892229.1 CGLO|KAF3800158.1 CHIG|XP\_018165090.1 CVIN|KAF4925835.1 CVYL|A06852 FGRM|XP\_011327705.1 MGRA|XP\_003848381.1 MORY|QBZ60659.1 NCRA|XP\_956065.1 SSCL|APA14348.1

>Orthogroup6250: BCIN|XP\_001554272.1 BGRA|VDB88906.1 CFRU|XP\_031891665.1 CGLO|KAF3805599.1 CHIG|XP\_018164708.1 CVIN|KAF4890025.1 CVYL|A07595 FGRM|XP\_011325633.1 MGRA|XP\_003851603.1 MORY|QBZ62292.1 NCRA|XP\_959905.2 SSCL|APA14372.1

>Orthogroup6251: BCIN|XP\_024547407.1 BGRA|VDB83764.1 CFRU|XP\_031881932.1 CGLO|KAF3806141.1 CHIG|XP\_018164520.1 CVIN|KAF4907009.1 CVYL|A07366 FGRM|XP\_011325005.1 MGRA|XP\_003848593.1 MLAR|XP\_007413925.1 NCRA|XP\_959965.2 SSCL|APA14419.1

>Orthogroup6252: BCIN|XP\_001546509.2 BCIN|XP\_024547414.1 CFRU|XP\_031881927.1 CGLO|KAF3806070.1 CHIG|XP\_018164618.1 CVIN|KAF4913557.1 CVYL|A07444 FGRM|XP\_011316008.1 NCRA|XP\_011395332.1 NCRA|XP\_959968.3 SSCL|APA09148.1 SSCL|APA14434.1

>Orthogroup6253: BCIN|XP\_024547472.1 BGRA|VDB94791.1 CFRU|XP\_031876364.1 CHIG|XP\_018155190.1 CVIN|KAF4888055.1 CVYL|A06204 FGRM|XP\_011317367.1 MGRA|XP\_003855037.1 MLAR|XP\_007411510.1 MORY|QBZ60905.1 NCRA|XP\_963605.2 SSCL|APA07645.1

>Orthogroup6254: BCIN|XP\_024547473.1 CFRU|XP\_031891446.1 CGLO|KAF3804574.1 CHIG|XP\_018161655.1 CVIN|KAF4923072.1 CVYL|A05303 FGRM|XP\_011318696.1 MGRA|XP\_003856909.1 MORY|QBZ59372.1 NCRA|XP\_958431.1 SSCL|APA07148.1 SSCL|APA07650.1

>Orthogroup6255: BCIN|XP\_024547631.1 BGRA|VDB86184.1 CFRU|XP\_031885178.1 CGLO|KAF3807664.1 CHIG|XP\_018162888.1 CVIN|KAF4927766.1 CVYL|A06753 FGRM|XP\_011318341.1 MGRA|XP\_003856454.1 MORY|QBZ59337.1 NCRA|XP\_961021.1 SSCL|APA07768.1

>Orthogroup6256: BCIN|XP\_001560854.1 BGRA|VDB85851.1 CFRU|XP\_031889202.1 CGLO|KAF3803169.1 CHIG|XP\_018155506.1 CVIN|KAF4928349.1 CVYL|A01056 FGRM|XP\_011318058.1 MGRA|XP\_003857024.1 MORY|QBZ56813.1 NCRA|XP\_957648.1 SSCL|APA08074.1

>Orthogroup6257: BCIN|XP\_024547846.1 BGRA|VCU39537.1 CFRU|XP\_031878345.1 CGLO|KAF3798083.1 CHIG|XP\_018158151.1 CVIN|KAF4927963.1 CVYL|A08276 FGRM|XP\_011328514.1 MGRA|XP\_003853742.1 MORY|QBZ62626.1 NCRA|XP\_958574.1 SSCL|APA08161.1

>Orthogroup6258: BCIN|XP\_024547963.1 CFRU|XP\_031875825.1 CFRU|XP\_031881876.1 CGLO|KAF3805547.1 CGLO|KAF3810000.1 CHIG|XP\_018155401.1 CHIG|XP\_018157732.1 CVIN|KAF4890969.1 CVIN|KAF4913000.1 CVYL|A02601 CVYL|A05670 MORY|QBZ57936.1

>Orthogroup6259: BCIN|XP\_001554929.2 BCIN|XP\_024547972.1 CFRU|XP\_031883853.1 CGLO|KAF3805033.1 CHIG|XP\_018163477.1 CVIN|KAF4927149.1 CVYL|A06519 FGRM|XP\_011321592.1 MORY|QBZ54115.1 NCRA|XP\_957494.2 NCRA|XP\_961699.1 SSCL|APA08372.1

>Orthogroup6260: BCIN|XP\_001548143.1 BGRA|VCU40950.1 CFRU|XP\_031887446.1 CGLO|KAF3809191.1 CHIG|XP\_018156015.1 CVIN|KAF4925306.1 CVYL|A01378 FGRM|XP\_011319061.1 MGRA|XP\_003854546.1 MORY|QBZ62563.1 NCRA|XP\_960688.3 SSCL|APA12752.1

>Orthogroup6261: BCIN|XP\_024548089.1 BGRA|VDB93153.1 CFRU|XP\_031887319.1 CGLO|KAF3809256.1 CHIG|XP\_018156089.1 CHIG|XP\_018161921.1 CVIN|KAF4907394.1 CVYL|A01448 FGRM|XP\_011318858.1 MORY|QBZ62178.1 NCRA|XP\_956554.1 SSCL|APA12647.1

>Orthogroup6262: BCIN|XP\_001550920.1 CFRU|XP\_031880052.1 CFRU|XP\_031880053.1 CFRU|XP\_031881441.1 CGLO|KAF3800927.1 CGLO|KAF3811837.1 CVIN|KAF4920921.1 CVIN|KAF4924862.1 CVYL|A05975 CVYL|A12839 FGRM|XP\_011327858.1 MORY|QBZ60779.1

>Orthogroup6263: BCIN|XP\_001557206.2 BCIN|XP\_024553286.1 CFRU|XP\_031878518.1 CGLO|KAF3799805.1 CVIN|KAF4928283.1 CVYL|A04789 FGRM|XP\_011315745.1 FGRM|XP\_011319599.1 MGRA|XP\_003853528.1 MORY|QBZ63450.1 NCRA|XP\_962175.2 SSCL|APA12498.1

>Orthogroup6264: BCIN|XP\_024548281.1 CFRU|XP\_031878716.1 CFRU|XP\_031881078.1 CGLO|KAF3798348.1 CGLO|KAF3809853.1 CHIG|XP\_018151132.1 CVIN|KAF4923558.1 CVYL|A09022 MGRA|XP\_003853614.1 MORY|QBZ53596.1 MORY|QBZ57512.1 NCRA|XP\_961345.1

>Orthogroup6265: BCIN|XP\_024548297.1 BGRA|VCU40708.1 CFRU|XP\_031887195.1 CGLO|KAF3809364.1 CHIG|XP\_018156220.1 CVIN|KAF4892658.1 CVYL|A01573 FGRM|XP\_011318854.1 MGRA|XP\_003848165.1 MORY|QBZ57384.1 NCRA|XP\_957589.2 SSCL|APA12554.1

>Orthogroup6266: BCIN|XP\_024548300.1 BGRA|VCU40718.1 CFRU|XP\_031882394.1 CGLO|KAF3807609.1 CHIG|XP\_018156327.1 CVIN|KAF4928940.1 CVYL|A03145 FGRM|XP\_011318875.1 MGRA|XP\_003848186.1 MORY|QBZ57126.1 NCRA|XP\_957623.1 SSCL|APA12552.1

>Orthogroup6267: BCIN|XP\_001557566.1 CFRU|XP\_031889212.1 CGLO|KAF3808791.1 CHIG|XP\_018155693.1 CVIN|KAF4906823.1 CVYL|A00874 FGRM|XP\_011319338.1 MGRA|XP\_003848039.1 MLAR|XP\_007416061.1 MORY|QBZ58935.1 NCRA|XP\_011394760.1 SSCL|APA12334.1

>Orthogroup6268: BCIN|XP\_001557717.1 BGRA|VDB93210.1 CFRU|XP\_031882363.1 CGLO|KAF3807587.1 CHIG|XP\_018156347.1 CVIN|KAF4928949.1 CVYL|A02894 FGRM|XP\_011318866.1 MGRA|XP\_003856023.1 MLAR|XP\_007405275.1 NCRA|XP\_011395093.1 SSCL|APA12214.1

>Orthogroup6269: BCIN|XP\_024548462.1 BGRA|VDB93194.1 CFRU|XP\_031882505.1 CGLO|KAF3807612.1 CHIG|XP\_018156323.1 CVIN|KAF4928939.1 CVYL|A03142 FGRM|XP\_011318871.1 MGRA|XP\_003856119.1 MORY|QBZ56926.1 NCRA|XP\_956582.1 SSCL|APA12207.1

>Orthogroup6270: BCIN|XP\_001557731.1 BGRA|VDB93097.1 CFRU|XP\_031882465.1 CGLO|KAF3807593.1 CHIG|XP\_018156341.1 CVIN|KAF4928955.1 CVYL|A02889 FGRM|XP\_011319010.1 MGRA|XP\_003848060.1 MORY|QBZ54747.1 NCRA|XP\_961636.2 SSCL|APA12202.1

>Orthogroup6271: BCIN|XP\_024548552.1 BGRA|VCU40218.1 CFRU|XP\_031890360.1 CGLO|KAF3806688.1 CHIG|XP\_018158657.1 CVIN|KAF4925991.1 CVYL|A13992 FGRM|XP\_011316461.1 MGRA|XP\_003852298.1 MORY|QBZ62569.1 NCRA|XP\_964605.1 SSCL|APA10068.1

>Orthogroup6272: BCIN|XP\_024548566.1 BGRA|VDB84056.1 CFRU|XP\_031890619.1 CGLO|KAF3805304.1 CHIG|XP\_018158623.1 CVIN|KAF4925978.1 CVYL|A13957 FGRM|XP\_011316430.1 MLAR|XP\_007406920.1 MORY|QBZ62605.1 NCRA|XP\_963769.1 SSCL|APA10026.1

>Orthogroup6273: BCIN|XP\_001549043.2 BCIN|XP\_024549182.1 BGRA|VCU39902.1 CFRU|XP\_031889738.1 CGLO|KAF3810492.1 CHIG|XP\_018159121.1 CVIN|KAF4924676.1 FGRM|XP\_011317196.1 MORY|QBZ62585.1 NCRA|XP\_963768.1 SSCL|APA09850.1 SSCL|APA15706.1

>Orthogroup6274: BCIN|XP\_001549048.1 BCIN|XP\_001550461.1 CFRU|XP\_031881707.1 CGLO|KAF3805371.1 CHIG|XP\_018156737.1 CVIN|KAF4907224.1 CVYL|A11021 FGRM|XP\_011320224.1 MORY|QBZ66245.1 NCRA|XP\_958019.2 SSCL|APA09855.1 SSCL|APA11661.1

>Orthogroup6275: BCIN|XP\_001560093.1 BGRA|VDB93294.1 CFRU|XP\_031890232.1 CGLO|KAF3802938.1 CHIG|XP\_018158541.1 CVIN|KAF4925551.1 CVYL|A05080 FGRM|XP\_011316359.1 MLAR|XP\_007406503.1 MORY|QBZ55948.1 NCRA|XP\_965023.1 SSCL|APA09892.1

>Orthogroup6276: BCIN|XP\_001559796.2 BGRA|VDB83933.1 CFRU|XP\_031881873.1 CGLO|KAF3810013.1 CHIG|XP\_018157687.1 CVIN|KAF4913003.1 CVYL|A02612 FGRM|XP\_011321150.1 MGRA|XP\_003853866.1 MORY|QBZ53731.1 NCRA|XP\_011393624.1 SSCL|APA09682.1

>Orthogroup6277: BCIN|XP\_001545883.2 BCIN|XP\_001550441.1 BCIN|XP\_001558018.2 BCIN|XP\_001558019.2 BCIN|XP\_024548789.1 BCIN|XP\_024551658.1 MGRA|XP\_003850524.1 SSCL|APA09676.1 SSCL|APA11679.1 SSCL|APA12865.1 SSCL|APA14779.1 SSCL|APA14876.1

>Orthogroup6278: BCIN|XP\_001559660.1 CFRU|XP\_031886086.1 CGLO|KAF3805447.1 CHIG|XP\_018155307.1 CVIN|KAF4930398.1 CVYL|A05577 FGRM|XP\_011325479.1 MGRA|XP\_003853733.1 MLAR|XP\_007406634.1 MORY|QBZ53791.1 NCRA|XP\_956832.1 SSCL|APA09422.1

>Orthogroup6279: BCIN|XP\_001559652.2 BGRA|VDB89404.1 CFRU|XP\_031885944.1 CGLO|KAF3805441.1 CHIG|XP\_018155299.1 CVIN|KAF4930335.1 CVYL|A05571 FGRM|XP\_011328290.1 MGRA|XP\_003856026.1 MORY|QBZ53966.1 NCRA|XP\_011393537.1 SSCL|APA09416.1

>Orthogroup6280: BCIN|XP\_024548907.1 CFRU|XP\_031885172.1 CFRU|XP\_031885173.1 CFRU|XP\_031892675.1 CGLO|KAF3800370.1 CGLO|KAF3806885.1 CHIG|XP\_018163097.1 CVIN|KAF4927798.1 CVYL|A07753 CVYL|A07764 CVYL|A07775 MGRA|XP\_003854192.1

>Orthogroup6281: BCIN|XP\_001559590.1 CFRU|XP\_031890587.1 CGLO|KAF3806711.1 CHIG|XP\_018158687.1 CVIN|KAF4925995.1 CVYL|A09987 CVYL|A14018 FGRM|XP\_011315928.1 FGRM|XP\_011317582.1 MORY|QBZ60427.1 NCRA|XP\_964767.2 SSCL|APA09567.1

>Orthogroup6282: BCIN|XP\_024548980.1 CFRU|XP\_031886677.1 CGLO|KAF3807495.1 CHIG|XP\_018158742.1 CVIN|KAF4917527.1 CVYL|A05017 FGRM|XP\_011328343.1 MGRA|XP\_003852515.1 MLAR|XP\_007417230.1 MORY|QBZ60411.1 NCRA|XP\_011393120.1 SSCL|APA09378.1

>Orthogroup6283: BCIN|XP\_024549013.1 BGRA|VDB93254.1 CFRU|XP\_031884504.1 CGLO|KAF3799062.1 CHIG|XP\_018158193.1 CVIN|KAF4918268.1 CVYL|A11465 FGRM|XP\_011323354.1 MGRA|XP\_003857766.1 MLAR|XP\_007406243.1 NCRA|XP\_965617.1 SSCL|APA09305.1

>Orthogroup6284: BCIN|XP\_001560356.1 BGRA|VCU39109.1 CFRU|XP\_031887571.1 CHIG|XP\_018160894.1 CVIN|KAF4921466.1 CVYL|A03480 FGRM|XP\_011328157.1 MGRA|XP\_003853884.1 MLAR|XP\_007412600.1 MORY|QBZ56585.1 NCRA|XP\_961985.1 SSCL|APA08803.1

>Orthogroup6285: BCIN|XP\_024549162.1 BGRA|VCU39065.1 CFRU|XP\_031880471.1 CGLO|KAF3807337.1 CHIG|XP\_018156900.1 CVIN|KAF4920079.1 CVYL|A10819 FGRM|XP\_011325073.1 MGRA|XP\_003847537.1 MORY|QBZ65863.1 NCRA|XP\_965760.1 SSCL|APA08779.1

>Orthogroup6286: BCIN|XP\_001560430.1 BGRA|VCU39877.1 CFRU|XP\_031889542.1 CGLO|KAF3810481.1 CHIG|XP\_018159144.1 CVIN|KAF4924630.1 CVYL|A14084 FGRM|XP\_011317201.1 MGRA|XP\_003852854.1 MORY|QBZ55489.1 NCRA|XP\_965627.1 SSCL|APA08758.1

>Orthogroup6287: BCIN|XP\_001560439.1 BGRA|VCU39861.1 CFRU|XP\_031889827.1 CGLO|KAF3810556.1 CHIG|XP\_018159045.1 CVIN|KAF4899747.1 CVYL|A13632 FGRM|XP\_011320564.1 MGRA|XP\_003852439.1 MORY|QBZ54521.1 NCRA|XP\_001728253.1 SSCL|APA08753.1

>Orthogroup6288: BCIN|XP\_024549271.1 BCIN|XP\_024550251.1 CFRU|XP\_031892302.1 CHIG|XP\_018157324.1 CVIN|KAF4920823.1 CVYL|A10514 MLAR|XP\_007412789.1 MORY|QBZ61195.1 MORY|QBZ66049.1 NCRA|XP\_011393333.1 SSCL|APA08885.1 SSCL|APA10930.1

>Orthogroup6289: BCIN|XP\_024549277.1 BGRA|VCU38861.1 CFRU|XP\_031887789.1 CGLO|KAF3803240.1 CHIG|XP\_018161086.1 CVIN|KAF4928679.1 CVYL|A03671 FGRM|XP\_011327881.1 MLAR|XP\_007408955.1 MORY|QBZ56332.1 NCRA|XP\_962505.3 SSCL|APA08895.1

>Orthogroup6290: BCIN|XP\_001559082.1 BGRA|VDB86336.1 CFRU|XP\_031891400.1 CGLO|KAF3804609.1 CHIG|XP\_018161680.1 CVIN|KAF4919103.1 CVYL|A05272 FGRM|XP\_011321722.1 MGRA|XP\_003853477.1 MORY|QBZ62612.1 NCRA|XP\_965253.1 SSCL|APA09066.1

>Orthogroup6291: BCIN|XP\_001555195.1 BGRA|VCU39575.1 CFRU|XP\_031882278.1 CGLO|KAF3804469.1 CHIG|XP\_018160305.1 CVIN|KAF4930909.1 CVYL|A04183 FGRM|XP\_011326438.1 MGRA|XP\_003850580.1 MORY|QBZ57032.1 NCRA|XP\_961354.1 SSCL|APA09182.1

>Orthogroup6292: BCIN|XP\_024549594.1 CFRU|XP\_031878740.1 CFRU|XP\_031881266.1 CGLO|KAF3802557.1 CHIG|XP\_018151090.1 CHIG|XP\_018151654.1 CVIN|KAF4921859.1 CVIN|KAF4925414.1 CVYL|A02147 CVYL|A08953 FGRM|XP\_011318001.1 FGRM|XP\_011322337.1

>Orthogroup6293: BCIN|XP\_001558631.1 CFRU|XP\_031887980.1 CFRU|XP\_031891462.1 CGLO|KAF3802200.1 CHIG|XP\_018158137.1 CVYL|A05216 CVYL|A05217 FGRM|XP\_011328644.1 MORY|QBZ61775.1 MORY|QBZ64643.1 MORY|QBZ64951.1 SSCL|APA11018.1

>Orthogroup6294: BCIN|XP\_001545850.2 BGRA|VCU39306.1 CFRU|XP\_031876727.1 CGLO|KAF3798691.1 CHIG|XP\_018157466.1 CVIN|KAF4918472.1 CVYL|A09429 FGRM|XP\_011328062.1 MGRA|XP\_003852559.1 MORY|QBZ58895.1 NCRA|XP\_962037.2 SSCL|APA05504.1

>Orthogroup6295: BCIN|XP\_001554145.1 BGRA|VDB94477.1 CFRU|XP\_031876719.1 CGLO|KAF3798688.1 CVIN|KAF4918485.1 CVYL|A09426 FGRM|XP\_011327909.1 MGRA|XP\_003852618.1 MLAR|XP\_007406385.1 MORY|QBZ56251.1 NCRA|XP\_962387.2 SSCL|APA05514.1

>Orthogroup6296: BCIN|XP\_001554127.1 CFRU|XP\_031892587.1 CGLO|KAF3797117.1 CHIG|XP\_018154869.1 CHIG|XP\_018155261.1 CVIN|KAF4893360.1 CVYL|A10584 FGRM|XP\_011322925.1 MGRA|XP\_003853906.1 MORY|QBZ61974.1 NCRA|XP\_957043.1 SSCL|APA05528.1

>Orthogroup6297: BCIN|XP\_024549932.1 BGRA|VDB93353.1 CFRU|XP\_031883975.1 CGLO|KAF3805013.1 CHIG|XP\_018163517.1 CVIN|KAF4927133.1 CVYL|A06535 MLAR|XP\_007406207.1 MLAR|XP\_007414910.1 MORY|QBZ59166.1 NCRA|XP\_961154.1 SSCL|APA05255.1

>Orthogroup6298: BCIN|XP\_024549979.1 BGRA|VDB96387.1 CFRU|XP\_031886497.1 CGLO|KAF3806221.1 CHIG|XP\_018162056.1 CVIN|KAF4931462.1 CVYL|A11810 MGRA|XP\_003854226.1 MLAR|XP\_007405799.1 MORY|QBZ61538.1 NCRA|XP\_001728197.2 SSCL|APA05310.1

>Orthogroup6299: BCIN|XP\_001549782.1 BGRA|VDB91345.1 CFRU|XP\_031883104.1 CGLO|KAF3808226.1 CHIG|XP\_018163185.1 CVIN|KAF4914245.1 CVYL|A00567 FGRM|XP\_011326193.1 MGRA|XP\_003853719.1 MORY|QBZ57832.1 NCRA|XP\_957735.1 SSCL|APA14475.1

>Orthogroup6300: BCIN|XP\_001545783.2 BCIN|XP\_024550068.1 CFRU|XP\_031880795.1 CGLO|KAF3805208.1 CVIN|KAF4919158.1 CVYL|A02571 CVYL|A07947 FGRM|XP\_011318109.1 MGRA|XP\_003856010.1 NCRA|XP\_958177.2 SSCL|APA13423.1 SSCL|APA14441.1

>Orthogroup6301: BCIN|XP\_024550082.1 CFRU|XP\_031876595.1 CFRU|XP\_031879075.1 CFRU|XP\_031888907.1 CFRU|XP\_031889012.1 CGLO|KAF3798793.1 CGLO|KAF3804197.1 CHIG|XP\_018155365.1 CVYL|A00213 CVYL|A03872 CVYL|A09132 NCRA|XP\_961786.2

>Orthogroup6302: BCIN|XP\_001547132.2 CFRU|XP\_031890043.1 CGLO|KAF3798251.1 CHIG|XP\_018157646.1 CVIN|KAF4891064.1 CVYL|A09234 FGRM|XP\_011324219.1 MGRA|XP\_003851833.1 MLAR|XP\_007407820.1 MLAR|XP\_007410356.1 NCRA|XP\_959010.3 SSCL|APA10746.1

>Orthogroup6303: BCIN|XP\_024550259.1 CFRU|XP\_031875424.1 CFRU|XP\_031880807.1 CGLO|KAF3806978.1 CHIG|XP\_018159628.1 CVIN|KAF4918762.1 CVYL|A06271 FGRM|XP\_011320958.1 FGRM|XP\_011326113.1 MGRA|XP\_003855160.1 NCRA|XP\_959047.1 SSCL|APA10934.1

>Orthogroup6304: BCIN|XP\_024550273.1 BGRA|VDB94781.1 CFRU|XP\_031878226.1 CGLO|KAF3808542.1 CHIG|XP\_018161932.1 CVIN|KAF4917636.1 CVYL|A11601 FGRM|XP\_011318508.1 MGRA|XP\_003855109.1 MORY|QBZ59647.1 NCRA|XP\_011393908.1 SSCL|APA10944.1

>Orthogroup6305: BCIN|XP\_024550315.1 BGRA|VDB84146.1 CFRU|XP\_031877723.1 CGLO|KAF3797319.1 CHIG|XP\_018157189.1 CVIN|KAF4917657.1 CVYL|A10376 FGRM|XP\_011320007.1 MGRA|XP\_003853837.1 MORY|QBZ66175.1 NCRA|XP\_964508.1 SSCL|APA10982.1

>Orthogroup6306: BCIN|XP\_024550429.1 BGRA|VDB91182.1 CFRU|XP\_031886943.1 CGLO|KAF3811345.1 CHIG|XP\_018160593.1 CVIN|KAF4921000.1 CVYL|A04527 FGRM|XP\_011324776.1 MGRA|XP\_003855440.1 MORY|QBZ56980.1 NCRA|XP\_961485.2 SSCL|APA11115.1

>Orthogroup6307: BCIN|XP\_024550464.1 BGRA|VDB84201.1 CFRU|XP\_031881631.1 CGLO|KAF3805375.1 CHIG|XP\_018156734.1 CVIN|KAF4890838.1 CVYL|A11023 FGRM|XP\_011320222.1 MLAR|XP\_007409719.1 MORY|QBZ66235.1 NCRA|XP\_958016.1 SSCL|APA11174.1

>Orthogroup6308: BCIN|XP\_024550492.1 BGRA|VCU38781.1 CFRU|XP\_031881541.1 CGLO|KAF3805346.1 CHIG|XP\_018156765.1 CVIN|KAF4913620.1 CVYL|A10988 FGRM|XP\_011328301.1 MGRA|XP\_003854402.1 MORY|QBZ65570.1 NCRA|XP\_001728058.1 SSCL|APA11211.1

>Orthogroup6309: BCIN|XP\_001553013.2 BGRA|VDB84412.1 CFRU|XP\_031887939.1 CGLO|KAF3802325.1 CHIG|XP\_018154427.1 CVIN|KAF4918816.1 CVYL|A10940 FGRM|XP\_011319739.1 MLAR|XP\_007410219.1 MORY|QBZ65822.1 NCRA|XP\_011392890.1 SSCL|APA11235.1

>Orthogroup6310: BCIN|XP\_024550724.1 CFRU|XP\_031887682.1 CGLO|KAF3807179.1 CHIG|XP\_018161007.1 CVIN|KAF4920239.1 CVYL|A03584 FGRM|XP\_011328103.1 MORY|QBZ58663.1 MORY|QBZ58819.1 NCRA|XP\_956322.1 NCRA|XP\_965081.2 SSCL|APA11709.1

>Orthogroup6311: BCIN|XP\_024550731.1 BGRA|VDB89824.1 CFRU|XP\_031892742.1 CGLO|KAF3797294.1 CHIG|XP\_018157217.1 CVIN|KAF4894464.1 CVYL|A10400 FGRM|XP\_011319860.1 MLAR|XP\_007410153.1 MORY|QBZ65689.1 NCRA|XP\_965722.3 SSCL|APA11697.1

>Orthogroup6312: BCIN|XP\_001550422.1 BGRA|VDB95291.1 CFRU|XP\_031880452.1 CGLO|KAF3807297.1 CHIG|XP\_018156971.1 CVIN|KAF4918078.1 CVYL|A10774 FGRM|XP\_011328336.1 MLAR|XP\_007409199.1 MORY|QBZ65661.1 NCRA|XP\_965287.2 SSCL|APA11693.1

>Orthogroup6313: BCIN|XP\_001550423.1 BGRA|VDB89738.1 CFRU|XP\_031880411.1 CGLO|KAF3807296.1 CHIG|XP\_018156970.1 CVIN|KAF4918083.1 CVYL|A10775 FGRM|XP\_011328178.1 MGRA|XP\_003853299.1 MORY|QBZ65659.1 NCRA|XP\_965286.1 SSCL|APA11692.1

>Orthogroup6314: BCIN|XP\_001550443.1 BGRA|VDB95329.1 CFRU|XP\_031892698.1 CGLO|KAF3797097.1 CHIG|XP\_018157066.1 CVIN|KAF4911379.1 CVYL|A10610 FGRM|XP\_011325067.1 MLAR|XP\_007409890.1 MORY|QBZ65958.1 NCRA|XP\_964648.3 SSCL|APA11676.1

>Orthogroup6315: BCIN|XP\_024550819.1 CFRU|XP\_031887399.1 CGLO|KAF3809277.1 CHIG|XP\_018156113.1 CVIN|KAF4921060.1 CVYL|A01471 MGRA|XP\_003852801.1 MGRA|XP\_003857607.1 MLAR|XP\_007406889.1 MORY|QBZ62204.1 NCRA|XP\_011394646.1 SSCL|APA11823.1

>Orthogroup6316: BCIN|XP\_001551623.1 CFRU|XP\_031883068.1 CGLO|KAF3808264.1 CHIG|XP\_018150824.1 CHIG|XP\_018153922.1 CHIG|XP\_018163146.1 CVIN|KAF4901310.1 CVYL|A00602 FGRM|XP\_011321633.1 MGRA|XP\_003855383.1 NCRA|XP\_963580.1 SSCL|APA11777.1

>Orthogroup6317: BCIN|XP\_001551607.1 CFRU|XP\_031888171.1 CFRU|XP\_031888172.1 CGLO|KAF3802119.1 CGLO|KAF3802120.1 CHIG|XP\_018154265.1 CHIG|XP\_018154266.1 CVIN|KAF4912410.1 CVIN|KAF4912418.1 CVYL|A03275 FGRM|XP\_011320194.1 SSCL|APA11787.1

>Orthogroup6318: BCIN|XP\_001551585.2 CFRU|XP\_031892136.1 CGLO|KAF3801345.1 CHIG|XP\_018154200.1 CVIN|KAF4913321.1 CVYL|A07737 MGRA|XP\_003848033.1 MGRA|XP\_003849425.1 MGRA|XP\_003850971.1 MGRA|XP\_003852963.1 MGRA|XP\_003856783.1 SSCL|APA11804.1

>Orthogroup6319: BCIN|XP\_001551540.1 BGRA|VDB95279.1 CFRU|XP\_031892469.1 CHIG|XP\_018157069.1 CVIN|KAF4911389.1 CVYL|A10621 FGRM|XP\_011320173.1 MGRA|XP\_003853295.1 MLAR|XP\_007410267.1 MORY|QBZ66087.1 NCRA|XP\_965291.1 SSCL|APA11888.1

>Orthogroup6320: BCIN|XP\_001551678.1 BGRA|VDB89819.1 CFRU|XP\_031892734.1 CGLO|KAF3797218.1 CHIG|XP\_018157289.1 CVIN|KAF4917692.1 CVYL|A10478 FGRM|XP\_011320151.1 MGRA|XP\_003852766.1 MORY|QBZ65996.1 NCRA|XP\_964912.1 SSCL|APA11590.1

>Orthogroup6321: BCIN|XP\_001551694.1 CFRU|XP\_031891302.1 CGLO|KAF3797383.1 CHIG|XP\_018157127.1 CVIN|KAF4929388.1 CVYL|A10301 MGRA|XP\_003853580.1 MLAR|XP\_007411541.1 MLAR|XP\_007415910.1 MORY|QBZ65925.1 NCRA|XP\_965818.3 SSCL|APA11604.1

>Orthogroup6322: BCIN|XP\_001548687.1 BCIN|XP\_001551739.2 BGRA|VDB88182.1 CFRU|XP\_031890110.1 CGLO|KAF3810402.1 CHIG|XP\_018158391.1 CVIN|KAF4908468.1 CVYL|A12417 FGRM|XP\_011316505.1 MORY|QBZ65066.1 NCRA|XP\_965566.1 SSCL|APA15613.1

>Orthogroup6323: BCIN|XP\_001546386.1 BGRA|VDB88177.1 CFRU|XP\_031877740.1 CGLO|KAF3797363.1 CHIG|XP\_018157147.1 CVIN|KAF4929335.1 CVYL|A10326 FGRM|XP\_011320092.1 MLAR|XP\_007405312.1 MORY|QBZ65962.1 NCRA|XP\_964658.3 SSCL|APA12018.1

>Orthogroup6324: BCIN|XP\_001553259.2 BGRA|VDB89830.1 BGRA|VDB89846.1 CFRU|XP\_031880434.1 CGLO|KAF3807330.1 CHIG|XP\_018156890.1 CVIN|KAF4920065.1 CVYL|A10826 FGRM|XP\_011319948.1 MORY|QBZ65698.1 NCRA|XP\_964737.1 SSCL|APA12057.1

>Orthogroup6325: BCIN|XP\_001555790.1 BGRA|VCU39806.1 CFRU|XP\_031886511.1 CGLO|KAF3806331.1 CHIG|XP\_018162118.1 CVIN|KAF4908667.1 CVYL|A11919 FGRM|XP\_011326343.1 MGRA|XP\_003853043.1 MLAR|XP\_007415797.1 NCRA|XP\_958266.1 SSCL|APA10329.1

>Orthogroup6326: BCIN|XP\_001555733.1 BGRA|VCU39813.1 CFRU|XP\_031892957.1 CGLO|KAF3808061.1 CHIG|XP\_018152763.1 CVIN|KAF4922852.1 CVYL|A08172 FGRM|XP\_011317973.1 MGRA|XP\_003856267.1 MORY|QBZ54985.1 NCRA|XP\_961586.1 SSCL|APA10301.1

>Orthogroup6327: BCIN|XP\_024551445.1 BGRA|VCU39759.1 CGLO|KAF3808005.1 CHIG|XP\_018152375.1 CVIN|KAF4895812.1 CVYL|A09478 FGRM|XP\_011317733.1 MGRA|XP\_003853480.1 MLAR|XP\_007406710.1 MORY|QBZ64739.1 NCRA|XP\_961015.1 SSCL|APA10708.1

>Orthogroup6328: BCIN|XP\_024551475.1 BGRA|VCU41070.1 CFRU|XP\_031878403.1 CGLO|KAF3810767.1 CHIG|XP\_018162565.1 CVIN|KAF4932006.1 CVYL|A07186 FGRM|XP\_011326297.1 FGRM|XP\_011326298.1 MORY|QBZ59687.1 NCRA|XP\_011393790.1 SSCL|APA10412.1

>Orthogroup6329: BCIN|XP\_001556695.2 BGRA|VDB95057.1 CFRU|XP\_031890831.1 CGLO|KAF3801610.1 CHIG|XP\_018151373.1 CVIN|KAF4922695.1 CVYL|A12526 FGRM|XP\_011328210.1 MGRA|XP\_003849696.1 MORY|QBZ53886.1 NCRA|XP\_958816.3 SSCL|APA14824.1

>Orthogroup6330: BCIN|XP\_001556758.1 BGRA|VDB89485.1 CFRU|XP\_031884924.1 CGLO|KAF3800989.1 CHIG|XP\_018153240.1 CVIN|KAF4913282.1 CVYL|A05919 FGRM|XP\_011318728.1 MLAR|XP\_007418247.1 MORY|QBZ55248.1 NCRA|XP\_965330.1 SSCL|APA14542.1

>Orthogroup6331: BCIN|XP\_024551706.1 BGRA|VDB89486.1 CFRU|XP\_031884923.1 CGLO|KAF3800988.1 CHIG|XP\_018153241.1 CVIN|KAF4913281.1 CVYL|A05918 FGRM|XP\_011318729.1 MLAR|XP\_007405702.1 MORY|QBZ55288.1 NCRA|XP\_964665.1 SSCL|APA14543.1

>Orthogroup6332: BCIN|XP\_001556820.2 BGRA|VDB89432.1 CFRU|XP\_031884763.1 CGLO|KAF3812106.1 CHIG|XP\_018153343.1 CVIN|KAF4918133.1 CVYL|A00291 FGRM|XP\_011316042.1 MGRA|XP\_003855824.1 MORY|QBZ63524.1 NCRA|XP\_957876.3 SSCL|APA14595.1

>Orthogroup6333: BCIN|XP\_001558508.1 BGRA|VDB90587.1 CFRU|XP\_031882797.1 CGLO|KAF3812083.1 CHIG|XP\_018164153.1 CVIN|KAF4923712.1 CVYL|A14261 FGRM|XP\_011316196.1 MGRA|XP\_003856824.1 MORY|QBZ54640.1 NCRA|XP\_964502.3 SSCL|APA14694.1

>Orthogroup6334: BCIN|XP\_024551833.1 BGRA|VDB95007.1 CFRU|XP\_031883996.1 CGLO|KAF3805146.1 CHIG|XP\_018163367.1 CVIN|KAF4927408.1 CVYL|A06410 FGRM|XP\_011321617.1 MGRA|XP\_003857274.1 MORY|QBZ63281.1 NCRA|XP\_956920.2 SSCL|APA14732.1

>Orthogroup6335: BCIN|XP\_024551843.1 CFRU|XP\_031881338.1 CGLO|KAF3800935.1 CHIG|XP\_018153200.1 CVIN|KAF4920919.1 CVYL|A05969 FGRM|XP\_011316917.1 MGRA|XP\_003851983.1 MLAR|XP\_007415786.1 MORY|QBZ63251.1 NCRA|XP\_962138.1 SSCL|APA14756.1

>Orthogroup6336: BCIN|XP\_024551881.1 CFRU|XP\_031875500.1 CFRU|XP\_031876169.1 CFRU|XP\_031880173.1 CGLO|KAF3797730.1 CGLO|KAF3807907.1 CHIG|XP\_018151153.1 CVIN|KAF4917555.1 CVYL|A11421 FGRM|XP\_011321831.1 FGRM|XP\_011321832.1 SSCL|APA06212.1

>Orthogroup6337: BCIN|XP\_024551884.1 BGRA|VDB91045.1 CFRU|XP\_031888295.1 CGLO|KAF3803525.1 CHIG|XP\_018164064.1 CVIN|KAF4922239.1 CVYL|A14455 FGRM|XP\_011326521.1 MGRA|XP\_003848713.1 MORY|QBZ62818.1 NCRA|XP\_964591.1 SSCL|APA06220.1

>Orthogroup6338: BCIN|XP\_024551937.1 CFRU|XP\_031883845.1 CFRU|XP\_031883882.1 CGLO|KAF3805155.1 CHIG|XP\_018163357.1 CVIN|KAF4927420.1 CVIN|KAF4927421.1 CVYL|A06595 FGRM|XP\_011321656.1 MORY|QBZ63263.1 NCRA|XP\_011394110.1 SSCL|APA06380.1

>Orthogroup6339: BCIN|XP\_001557995.1 BGRA|VDB92713.1 CFRU|XP\_031880702.1 CGLO|KAF3809936.1 CHIG|XP\_018161514.1 CVIN|KAF4930735.1 CVYL|A01688 FGRM|XP\_011318376.1 MLAR|XP\_007415347.1 MORY|QBZ65143.1 NCRA|XP\_959392.2 SSCL|APA12699.1

>Orthogroup6340: BCIN|XP\_001557994.1 BGRA|VDB92722.1 CFRU|XP\_031880625.1 CGLO|KAF3809937.1 CHIG|XP\_018161515.1 CVIN|KAF4930736.1 CVYL|A01687 FGRM|XP\_011318377.1 MLAR|XP\_007413455.1 MORY|QBZ65142.1 NCRA|XP\_959393.1 SSCL|APA12698.1

>Orthogroup6341: BCIN|XP\_001557947.1 BGRA|VDB92739.1 CFRU|XP\_031880627.1 CGLO|KAF3809948.1 CHIG|XP\_018150686.1 CHIG|XP\_018161529.1 CVIN|KAF4930664.1 CVYL|A01675 FGRM|XP\_011318392.1 MORY|QBZ65174.1 NCRA|XP\_959116.1 SSCL|APA12667.1

>Orthogroup6342: BCIN|XP\_024551999.1 BGRA|VDB92783.1 CFRU|XP\_031889147.1 CGLO|KAF3797679.1 CHIG|XP\_018155457.1 CVIN|KAF4919391.1 CVYL|A01091 FGRM|XP\_011323896.1 MGRA|XP\_003854740.1 MORY|QBZ64488.1 NCRA|XP\_960302.2 SSCL|APA12654.1

>Orthogroup6343: BCIN|XP\_001557874.1 BGRA|VDB86314.1 BGRA|VDB89386.1 CFRU|XP\_031880978.1 CGLO|KAF3809864.1 CHIG|XP\_018161455.1 CVIN|KAF4930617.1 CVYL|A01754 FGRM|XP\_011321389.1 MORY|QBZ65157.1 NCRA|XP\_959129.1 SSCL|APA12797.1

>Orthogroup6344: BCIN|XP\_024552036.1 BGRA|VDB92677.1 CFRU|XP\_031878759.1 CGLO|KAF3797568.1 CHIG|XP\_018151107.1 CVIN|KAF4923581.1 CVYL|A08978 FGRM|XP\_011323487.1 MGRA|XP\_003849506.1 MORY|QBZ64065.1 NCRA|XP\_962574.1 SSCL|APA12800.1

>Orthogroup6345: BCIN|XP\_024552045.1 BGRA|VDB92709.1 CFRU|XP\_031887703.1 CGLO|KAF3803215.1 CHIG|XP\_018161059.1 CVIN|KAF4928723.1 CVYL|A03645 FGRM|XP\_011324202.1 MGRA|XP\_003852599.1 MORY|QBZ64611.1 NCRA|XP\_011394218.1 SSCL|APA12827.1

>Orthogroup6346: BCIN|XP\_001550271.1 BGRA|VDB92747.1 CFRU|XP\_031878571.1 CGLO|KAF3798501.1 CHIG|XP\_018161218.1 CVIN|KAF4917472.1 CVYL|A03823 FGRM|XP\_011327973.1 MLAR|XP\_007411627.1 MORY|QBZ57214.1 NCRA|XP\_962300.1 SSCL|APA12856.1

>Orthogroup6347: BCIN|XP\_001558031.1 BGRA|VDB89539.1 CFRU|XP\_031887628.1 CGLO|KAF3803223.1 CVIN|KAF4928716.1 CVYL|A03654 FGRM|XP\_011324213.1 MGRA|XP\_003849305.1 MLAR|XP\_007411977.1 MORY|QBZ58802.1 NCRA|XP\_956326.1 SSCL|APA12875.1

>Orthogroup6348: BCIN|XP\_024552103.1 BGRA|VCU39201.1 CFRU|XP\_031876697.1 CFRU|XP\_031876710.1 CGLO|KAF3798697.1 CHIG|XP\_018157457.1 CVIN|KAF4918466.1 FGRM|XP\_011321350.1 MLAR|XP\_007414427.1 MORY|QBZ56688.1 NCRA|XP\_962709.2 SSCL|APA12931.1

>Orthogroup6349: BCIN|XP\_024552134.1 BGRA|VDB87949.1 CFRU|XP\_031875332.1 CFRU|XP\_031878295.1 CFRU|XP\_031888593.1 CHIG|XP\_018150641.1 CHIG|XP\_018150642.1 CHIG|XP\_018150667.1 CHIG|XP\_018155004.1 CHIG|XP\_018156685.1 CHIG|XP\_018156851.1 SSCL|APA06572.1

>Orthogroup6350: BCIN|XP\_001558155.2 BGRA|VCU39484.1 CFRU|XP\_031878720.1 CGLO|KAF3798327.1 CHIG|XP\_018151148.1 CVIN|KAF4920314.1 CVYL|A09041 FGRM|XP\_011323764.1 MGRA|XP\_003849646.1 MORY|QBZ56198.1 NCRA|XP\_962354.3 SSCL|APA13160.1

>Orthogroup6351: BCIN|XP\_001558177.2 BGRA|VDB92719.1 CFRU|XP\_031880630.1 CGLO|KAF3809943.1 CHIG|XP\_018161523.1 CVIN|KAF4930662.1 CVYL|A01680 FGRM|XP\_011318387.1 MGRA|XP\_003848931.1 MORY|QBZ65125.1 NCRA|XP\_959375.1 SSCL|APA13145.1

>Orthogroup6352: BCIN|XP\_024552197.1 BGRA|VDB94006.1 CFRU|XP\_031885537.1 CGLO|KAF3798663.1 CHIG|XP\_018157494.1 CVYL|A09402 FGRM|XP\_011323551.1 MGRA|XP\_003849435.1 MLAR|XP\_007413609.1 MORY|QBZ57193.1 NCRA|XP\_962715.1 SSCL|APA13043.1

>Orthogroup6353: BCIN|XP\_001552255.2 CFRU|XP\_031887679.1 CGLO|KAF3807177.1 CHIG|XP\_018161003.1 CVIN|KAF4917572.1 CVYL|A03582 FGRM|XP\_011323564.1 FGRM|XP\_011327725.1 MGRA|XP\_003849570.1 MORY|QBZ58821.1 NCRA|XP\_011394079.1 SSCL|APA12891.1

>Orthogroup6354: BCIN|XP\_001551257.1 BGRA|VCU38872.1 CFRU|XP\_031892941.1 CGLO|KAF3800786.1 CHIG|XP\_018150890.1 CVIN|KAF4922508.1 CVYL|A08765 FGRM|XP\_011323786.1 MGRA|XP\_003849504.1 MORY|QBZ56530.1 NCRA|XP\_961936.2 SSCL|APA13251.1

>Orthogroup6355: BCIN|XP\_001551198.1 CFRU|XP\_031884767.1 CGLO|KAF3812110.1 CHIG|XP\_018153348.1 CVIN|KAF4918114.1 CVYL|A00286 FGRM|XP\_011327515.1 MGRA|XP\_003849309.1 MGRA|XP\_003854140.1 MLAR|XP\_007405683.1 MLAR|XP\_007405686.1 SSCL|APA13223.1

>Orthogroup6356: BCIN|XP\_024552444.1 BGRA|VDB93564.1 CFRU|XP\_031885205.1 CHIG|XP\_018162840.1 CVIN|KAF4914532.1 CVYL|A07531 FGRM|XP\_011326404.1 MGRA|XP\_003854405.1 MLAR|XP\_007407923.1 MORY|QBZ61203.1 NCRA|XP\_958607.2 SSCL|APA15010.1

>Orthogroup6357: BCIN|XP\_001555227.1 CFRU|XP\_031885907.1 CGLO|KAF3805531.1 CHIG|XP\_018155367.1 CVIN|KAF4918288.1 CVYL|A05654 FGRM|XP\_011317447.1 MGRA|XP\_003849450.1 MLAR|XP\_007415678.1 MORY|QBZ58993.1 NCRA|XP\_963589.2 SSCL|APA15622.1

>Orthogroup6358: BCIN|XP\_001554769.1 CFRU|XP\_031880603.1 CGLO|KAF3811538.1 CHIG|XP\_018160797.1 CVIN|KAF4926746.1 CVYL|A04748 FGRM|XP\_011324844.1 FGRM|XP\_011325952.1 MGRA|XP\_003847544.1 MORY|QBZ58772.1 NCRA|XP\_962185.1 SSCL|APA15498.1

>Orthogroup6359: BCIN|XP\_001554748.1 BGRA|VDB87898.1 CFRU|XP\_031885631.1 CGLO|KAF3810143.1 CHIG|XP\_018154743.1 CHIG|XP\_018157973.1 CVIN|KAF4912141.1 CVYL|A02732 FGRM|XP\_011328529.1 MORY|QBZ60855.1 NCRA|XP\_960184.1 SSCL|APA15481.1

>Orthogroup6360: BCIN|XP\_024552785.1 BGRA|VCU39679.1 CFRU|XP\_031885407.1 CGLO|KAF3799406.1 CHIG|XP\_018152189.1 CVIN|KAF4931743.1 CVYL|A13270 FGRM|XP\_011323693.1 MGRA|XP\_003847963.1 MORY|QBZ53934.1 NCRA|XP\_956619.1 SSCL|APA16057.1

>Orthogroup6361: BCIN|XP\_024552846.1 CFRU|XP\_031882407.1 CGLO|KAF3807519.1 CHIG|XP\_018156420.1 CVIN|KAF4928931.1 CVYL|A02966 FGRM|XP\_011318611.1 MGRA|XP\_003857559.1 MLAR|XP\_007409953.1 MORY|QBZ63669.1 NCRA|XP\_957104.1 SSCL|APA07600.1

>Orthogroup6362: BCIN|XP\_001553134.2 BGRA|VCU39637.1 CFRU|XP\_031885403.1 CGLO|KAF3799413.1 CHIG|XP\_018152167.1 CVIN|KAF4931813.1 CVYL|A13277 FGRM|XP\_011317353.1 MGRA|XP\_003848134.1 MORY|QBZ53917.1 NCRA|XP\_011393686.1 SSCL|APA16080.1

>Orthogroup6363: BCIN|XP\_001553162.1 BGRA|VCU39652.1 CFRU|XP\_031883286.1 CGLO|KAF3800525.1 CHIG|XP\_018152183.1 CVIN|KAF4919253.1 CVYL|A13190 FGRM|XP\_011325505.1 MGRA|XP\_003852743.1 MLAR|XP\_007409989.1 NCRA|XP\_956486.2 SSCL|APA07522.1

>Orthogroup6364: BCIN|XP\_001551337.1 CFRU|XP\_031887214.1 CGLO|KAF3809351.1 CHIG|XP\_018156203.1 CVIN|KAF4924201.1 CVYL|A01556 FGRM|XP\_011319089.1 MGRA|XP\_003856095.1 MLAR|XP\_007410969.1 MORY|QBZ57096.1 NCRA|XP\_960709.1 SSCL|APA16253.1

>Orthogroup6365: BCIN|XP\_001551346.2 BGRA|VCU40175.1 CFRU|XP\_031887213.1 CGLO|KAF3809350.1 CHIG|XP\_018156202.1 CVIN|KAF4924204.1 CVYL|A01555 FGRM|XP\_011319088.1 MGRA|XP\_003853425.1 MORY|QBZ57095.1 NCRA|XP\_961638.3 SSCL|APA16242.1

>Orthogroup6366: BCIN|XP\_001549501.1 BGRA|VCU41220.1 CFRU|XP\_031892713.1 CGLO|KAF3809162.1 CHIG|XP\_018155984.1 CVIN|KAF4919815.1 CVYL|A01349 FGRM|XP\_011318978.1 MGRA|XP\_003856421.1 MORY|QBZ62469.1 NCRA|XP\_959178.1 SSCL|APA16208.1

>Orthogroup6367: BCIN|XP\_001547863.2 BGRA|VCU39691.1 CFRU|XP\_031887396.1 CHIG|XP\_018156121.1 CVIN|KAF4921063.1 CVYL|A01488 FGRM|XP\_011319170.1 MGRA|XP\_003857397.1 MLAR|XP\_007413064.1 MORY|QBZ58730.1 NCRA|XP\_960910.1 SSCL|APA16176.1

>Orthogroup6368: BCIN|XP\_001545282.2 BGRA|VCU39707.1 CFRU|XP\_031879413.1 CGLO|KAF3799634.1 CHIG|XP\_018154642.1 CVIN|KAF4926439.1 CVYL|A13497 FGRM|XP\_011324941.1 MGRA|XP\_003856528.1 MORY|QBZ61032.1 NCRA|XP\_011393601.1 SSCL|APA16145.1

>Orthogroup6369: BCIN|XP\_024553159.1 BGRA|VDB93642.1 CFRU|XP\_031879865.1 CGLO|KAF3802971.1 CHIG|XP\_018153642.1 CVIN|KAF4929911.1 CVYL|A00403 FGRM|XP\_011316891.1 MGRA|XP\_003857143.1 MLAR|XP\_007404384.1 MORY|QBZ63537.1 NCRA|XP\_001728397.2

>Orthogroup6370: BCIN|XP\_024553164.1 CFRU|XP\_031882010.1 CGLO|KAF3806130.1 CHIG|XP\_018164533.1 CVIN|KAF4911010.1 CVYL|A07378 FGRM|XP\_011325638.1 MLAR|XP\_007409499.1 MORY|QBZ62311.1 NCRA|XP\_959891.1 SSCL|APA08473.1 SSCL|APA13420.1

>Orthogroup6371: BCIN|XP\_024553276.1 CFRU|XP\_031883306.1 CGLO|KAF3800596.1 CHIG|XP\_018152082.1 CVIN|KAF4927119.1 CVYL|A13119 FGRM|XP\_011321293.1 MGRA|XP\_003848769.1 MORY|QBZ61061.1 NCRA|XP\_963451.3 SSCL|APA13559.1 SSCL|APA13560.1

>Orthogroup6372: BCIN|XP\_024553447.1 BGRA|VCU39373.1 CFRU|XP\_031876599.1 CGLO|KAF3800904.1 CHIG|XP\_018150774.1 CVIN|KAF4907264.1 CVYL|A12442 FGRM|XP\_011324232.1 MGRA|XP\_003852563.1 MORY|QBZ56838.1 NCRA|XP\_957038.1 SSCL|APA13851.1

>Orthogroup6373: BCIN|XP\_024553601.1 BGRA|VDB89545.1 CFRU|XP\_031889180.1 CGLO|KAF3797662.1 CHIG|XP\_018155435.1 CVIN|KAF4919370.1 CVYL|A01108 FGRM|XP\_011323883.1 MGRA|XP\_003856351.1 MORY|QBZ57701.1 NCRA|XP\_011395060.1 SSCL|APA08450.1

>Orthogroup6374: BCIN|XP\_001555103.1 BGRA|VCU40821.1 CFRU|XP\_031889087.1 CGLO|KAF3797666.1 CHIG|XP\_018155440.1 CVIN|KAF4919377.1 CVYL|A01104 FGRM|XP\_011323884.1 MLAR|XP\_007409128.1 MORY|QBZ57700.1 NCRA|XP\_958789.1 SSCL|APA08455.1

>Orthogroup6375: BCIN|XP\_001551158.1 BGRA|VDB96354.1 CFRU|XP\_031878374.1 CGLO|KAF3810758.1 CHIG|XP\_018162555.1 CVIN|KAF4932079.1 CVYL|A07196 FGRM|XP\_011326317.1 MGRA|XP\_003854087.1 MORY|QBZ59711.1 NCRA|XP\_957016.2 SSCL|APA15070.1

>Orthogroup6376: BCIN|XP\_024553691.1 BGRA|VDB96340.1 CFRU|XP\_031878372.1 CGLO|KAF3810752.1 CHIG|XP\_018162549.1 CVIN|KAF4932022.1 CVYL|A07203 FGRM|XP\_011326323.1 MGRA|XP\_003854228.1 MORY|QBZ59717.1 NCRA|XP\_011393727.1 SSCL|APA15088.1

>Orthogroup6377: BCIN|XP\_024553719.1 BGRA|VDB93456.1 CFRU|XP\_031886761.1 CGLO|KAF3804109.1 CHIG|XP\_018162644.1 CVIN|KAF4932002.1 CVYL|A07074 FGRM|XP\_011326643.1 MGRA|XP\_003854313.1 MORY|QBZ59456.1 NCRA|XP\_963098.2 SSCL|APA15112.1

>Orthogroup6378: BCIN|XP\_001551898.1 BGRA|VDB85776.1 CFRU|XP\_031886987.1 CGLO|KAF3811257.1 CHIG|XP\_018160478.1 CVIN|KAF4931277.1 CVYL|A04406 FGRM|XP\_011323639.1 MGRA|XP\_003850386.1 MORY|QBZ63413.1 NCRA|XP\_961548.1 SSCL|APA15205.1

>Orthogroup6379: BCIN|XP\_001550751.1 BGRA|VDB93391.1 CFRU|XP\_031883153.1 CGLO|KAF3800732.1 CHIG|XP\_018163282.1 CVIN|KAF4919621.1 CVYL|A00472 FGRM|XP\_011326145.1 MGRA|XP\_003852238.1 MORY|QBZ57922.1 NCRA|XP\_962725.2 SSCL|APA15287.1

>Orthogroup6380: BCIN|XP\_024553970.1 BCIN|XP\_024553982.1 BCIN|XP\_024553984.1 CGLO|KAF3803724.1 CVIN|KAF4918675.1 CVYL|A10308 CVYL|A14660 MORY|QBZ60159.1 MORY|QBZ63774.1 MORY|QBZ64841.1 NCRA|XP\_965363.3 SSCL|APA15406.1

>Orthogroup6381: BCIN|XP\_001545484.1 CFRU|XP\_031886828.1 CFRU|XP\_031893314.1 CGLO|KAF3809648.1 CGLO|KAF3811217.1 CHIG|XP\_018160428.1 CVIN|KAF4925020.1 CVIN|KAF4931157.1 CVYL|A04384 CVYL|A08400 MORY|QBZ62524.1 NCRA|XP\_956739.1

>Orthogroup6382: BGRA|VCU39429.1 BGRA|VCU39797.1 BGRA|VCU41051.1 BGRA|VDB83630.1 BGRA|VDB83899.1 BGRA|VDB85690.1 BGRA|VDB85702.1 BGRA|VDB88098.1 BGRA|VDB89621.1 BGRA|VDB89714.1 BGRA|VDB90449.1 BGRA|VDB92796.1

>Orthogroup6383: BGRA|VCU40829.1 BGRA|VCU41123.1 BGRA|VCU41127.1 BGRA|VCU41128.1 BGRA|VCU41129.1 BGRA|VCU41130.1 BGRA|VDB84369.1 BGRA|VDB84389.1 BGRA|VDB84390.1 BGRA|VDB86393.1 BGRA|VDB89554.1 BGRA|VDB90925.1

>Orthogroup6384: BGRA|VDB90345.1 CFRU|XP\_031886442.1 CGLO|KAF3811889.1 CHIG|XP\_018155174.1 CVIN|KAF4920582.1 CVYL|A06182 FGRM|XP\_011317392.1 MGRA|XP\_003855330.1 MLAR|XP\_007407202.1 MLAR|XP\_007414351.1 MORY|QBZ53760.1 NCRA|XP\_955791.1

>Orthogroup6385: BGRA|VDB92939.1 BGRA|VDB92940.1 CFRU|XP\_031892656.1 CGLO|KAF3797136.1 CGLO|KAF3797156.1 CVIN|KAF4918841.1 CVYL|A10543 CVYL|A10561 FGRM|XP\_011317615.1 FGRM|XP\_011318331.1 FGRM|XP\_011324468.1 MORY|QBZ56183.1

>Orthogroup6386: CFRU|XP\_031876912.1 CFRU|XP\_031893221.1 CGLO|KAF3799858.1 CGLO|KAF3809517.1 CHIG|XP\_018151659.1 CHIG|XP\_018152646.1 CHIG|XP\_018158126.1 CHIG|XP\_018159578.1 CVIN|KAF4918575.1 CVIN|KAF4921735.1 CVYL|A08502 CVYL|A09659

>Orthogroup6387: CFRU|XP\_031884211.1 CFRU|XP\_031893559.1 CGLO|KAF3809526.1 CGLO|KAF3811020.1 CHIG|XP\_018158026.1 CVIN|KAF4922625.1 CVYL|A09768 FGRM|XP\_011315847.1 FGRM|XP\_011325261.1 MORY|QBZ63467.1 SSCL|APA05282.1 SSCL|APA05283.1

>Orthogroup6388: CFRU|XP\_031884969.1 CFRU|XP\_031888443.1 CGLO|KAF3800959.1 CHIG|XP\_018153221.1 CHIG|XP\_018156476.1 CHIG|XP\_018163111.1 CVIN|KAF4912798.1 CVYL|A05945 FGRM|XP\_011318352.1 FGRM|XP\_011325115.1 FGRM|XP\_011327348.1 FGRM|XP\_011327721.1

>Orthogroup6389: CFRU|XP\_031888514.1 CFRU|XP\_031888519.1 CGLO|KAF3803735.1 CGLO|KAF3803736.1 CHIG|XP\_018153177.1 CHIG|XP\_018153178.1 CHIG|XP\_018154054.1 CVIN|KAF4928505.1 CVIN|KAF4928543.1 CVYL|A14117 CVYL|A14118 FGRM|XP\_011316988.1

>Orthogroup6390: CFRU|XP\_031884991.1 CFRU|XP\_031887796.1 CGLO|KAF3801008.1 CGLO|KAF3802103.1 CHIG|XP\_018152979.1 CVIN|KAF4917958.1 CVYL|A03288 CVYL|A05898 MGRA|XP\_003850780.1 MLAR|XP\_007404242.1 MLAR|XP\_007404247.1 MLAR|XP\_007414440.1

>Orthogroup6391: CFRU|XP\_031879025.1 CFRU|XP\_031887837.1 CGLO|KAF3798855.1 CGLO|KAF3802279.1 CHIG|XP\_018151168.1 CVIN|KAF4920328.1 CVIN|KAF4924409.1 CVYL|A09080 CVYL|A10418 FGRM|XP\_011324246.1 MORY|QBZ57966.1 NCRA|XP\_962586.2

>Orthogroup6392: CFRU|XP\_031875333.1 CFRU|XP\_031875335.1 CFRU|XP\_031875522.1 CFRU|XP\_031885237.1 CFRU|XP\_031889663.1 CGLO|KAF3807715.1 CGLO|KAF3810624.1 CHIG|XP\_018153855.1 CVIN|KAF4901593.1 CVIN|KAF4918891.1 CVYL|A07065 CVYL|A13708

>Orthogroup6393: CFRU|XP\_031879246.1 CFRU|XP\_031887339.1 CFRU|XP\_031890577.1 CGLO|KAF3806734.1 CGLO|KAF3807101.1 CHIG|XP\_018156225.1 CHIG|XP\_018158712.1 CVIN|KAF4896774.1 CVIN|KAF4919039.1 CVIN|KAF4919506.1 CVYL|A02874 CVYL|A14046

>Orthogroup6394: CFRU|XP\_031887237.1 CFRU|XP\_031892108.1 CGLO|KAF3799145.1 CGLO|KAF3799146.1 CGLO|KAF3800059.1 CHIG|XP\_018150659.1 CVIN|KAF4919318.1 CVYL|A01883 CVYL|A06758 FGRM|XP\_011322852.1 MORY|QBZ58332.1 NCRA|XP\_011394776.1

>Orthogroup6395: CFRU|XP\_031875422.1 CFRU|XP\_031877541.1 CFRU|XP\_031883556.1 CHIG|XP\_018151319.1 CHIG|XP\_018158059.1 CHIG|XP\_018158370.1 CVIN|KAF4892469.1 FGRM|XP\_011320581.1 FGRM|XP\_011321072.1 MORY|QBZ58055.1 SSCL|APA06420.1 SSCL|APA13481.1

>Orthogroup6396: CFRU|XP\_031875338.1 CFRU|XP\_031876154.1 CFRU|XP\_031882776.1 CGLO|KAF3812049.1 CGLO|KAF3812050.1 CHIG|XP\_018151523.1 CHIG|XP\_018159808.1 CVIN|KAF4923691.1 CVIN|KAF4923692.1 CVIN|KAF4923693.1 CVYL|A14229 FGRM|XP\_011319673.1

>Orthogroup6397: CFRU|XP\_031877465.1 CFRU|XP\_031877471.1 CFRU|XP\_031877531.1 CFRU|XP\_031885636.1 CGLO|KAF3798405.1 CGLO|KAF3798406.1 CGLO|KAF3810069.1 CHIG|XP\_018157777.1 CVIN|KAF4907381.1 CVIN|KAF4912756.1 CVYL|A01991 CVYL|A02665

>Orthogroup6398: CFRU|XP\_031879220.1 CFRU|XP\_031879223.1 CFRU|XP\_031892460.1 CGLO|KAF3807073.1 CVIN|KAF4917681.1 CVYL|A06365 CVYL|A07453 CVYL|A10449 FGRM|XP\_011328420.1 MGRA|XP\_003851343.1 MGRA|XP\_003856497.1 NCRA|XP\_001728180.2

>Orthogroup6399: CFRU|XP\_031877933.1 CFRU|XP\_031892811.1 CGLO|KAF3797033.1 CGLO|KAF3810959.1 CHIG|XP\_018157007.1 CVIN|KAF4907247.1 CVIN|KAF4928150.1 CVYL|A02189 CVYL|A10672 FGRM|XP\_011328274.1 MORY|QBZ60434.1 NCRA|XP\_964877.2

>Orthogroup6400: CFRU|XP\_031884697.1 CFRU|XP\_031884699.1 CGLO|KAF3812226.1 CHIG|XP\_018150859.1 CHIG|XP\_018153612.1 CHIG|XP\_018159767.1 CHIG|XP\_018163501.1 CHIG|XP\_018163651.1 CVIN|KAF4919904.1 CVIN|KAF4919905.1 CVYL|A00159 CVYL|A00160

>Orthogroup6401: CFRU|XP\_031878169.1 CFRU|XP\_031878171.1 CFRU|XP\_031878175.1 CFRU|XP\_031884690.1 CGLO|KAF3799059.1 CGLO|KAF3801822.1 CVIN|KAF4890773.1 CVIN|KAF4918273.1 CVYL|A11468 CVYL|A11469 CVYL|A12885 FGRM|XP\_011325984.1

>Orthogroup6402: CFRU|XP\_031884676.1 CFRU|XP\_031889927.1 CGLO|KAF3799782.1 CGLO|KAF3810615.1 CHIG|XP\_018152586.1 CVIN|KAF4908276.1 CVIN|KAF4918951.1 CVYL|A11313 CVYL|A13697 FGRM|XP\_011316474.1 NCRA|XP\_956436.2 NCRA|XP\_959861.2

>Orthogroup6403: CFRU|XP\_031883597.1 CGLO|KAF3798565.1 CHIG|XP\_018153972.1 CHIG|XP\_018154151.1 CHIG|XP\_018154911.1 CHIG|XP\_018159325.1 CHIG|XP\_018163225.1 CHIG|XP\_018164902.1 CVIN|KAF4923836.1 CVIN|KAF4930117.1 CVYL|A00909 CVYL|A02373

>Orthogroup6404: CFRU|XP\_031879981.1 CFRU|XP\_031883170.1 CFRU|XP\_031891436.1 CGLO|KAF3799029.1 CGLO|KAF3804736.1 CGLO|KAF3808192.1 CHIG|XP\_018150894.1 CVIN|KAF4894128.1 CVIN|KAF4924327.1 CVYL|A00543 CVYL|A05384 CVYL|A07944

>Orthogroup6405: CFRU|XP\_031883142.1 CFRU|XP\_031883212.1 CGLO|KAF3808277.1 CHIG|XP\_018153593.1 CVYL|A00614 CVYL|A00615 FGRM|XP\_011317669.1 MORY|QBZ55012.1 MORY|QBZ55862.1 NCRA|XP\_956723.3 NCRA|XP\_957286.2 NCRA|XP\_959140.3

>Orthogroup6406: CFRU|XP\_031882973.1 CFRU|XP\_031891765.1 CGLO|KAF3803831.1 CGLO|KAF3807967.1 CGLO|KAF3809744.1 CHIG|XP\_018151571.1 CHIG|XP\_018152617.1 CHIG|XP\_018163561.1 CVIN|KAF4924072.1 CVYL|A00659 MORY|QBZ60707.1 MORY|QBZ60713.1

>Orthogroup6407: CFRU|XP\_031876464.1 CFRU|XP\_031882833.1 CGLO|KAF3798012.1 CGLO|KAF3803346.1 CHIG|XP\_018163094.1 CVIN|KAF4915599.1 CVIN|KAF4915963.1 CVIN|KAF4915968.1 CVYL|A08345 CVYL|A14271 CVYL|A14272 FGRM|XP\_011325191.1

>Orthogroup6408: CFRU|XP\_031892206.1 CGLO|KAF3800169.1 CHIG|XP\_018165107.1 CVIN|KAF4925801.1 CVYL|A06866 MORY|QBZ53445.1 MORY|QBZ53649.1 MORY|QBZ57328.1 MORY|QBZ65590.1 MORY|QBZ66332.1 NCRA|XP\_958531.3 SSCL|APA15902.1

>Orthogroup6409: CFRU|XP\_031880061.1 CFRU|XP\_031880791.1 CFRU|XP\_031880792.1 CGLO|KAF3806924.1 CGLO|KAF3806925.1 CGLO|KAF3811852.1 CVIN|KAF4919164.1 CVYL|A02567 CVYL|A02568 CVYL|A11396 FGRM|XP\_011322224.1 FGRM|XP\_011325384.1

>Orthogroup6410: CFRU|XP\_031877442.1 CFRU|XP\_031880414.1 CFRU|XP\_031880470.1 CGLO|KAF3807261.1 CGLO|KAF3808446.1 CHIG|XP\_018159948.1 CVIN|KAF4928186.1 CVIN|KAF4930423.1 CVYL|A05535 CVYL|A10742 CVYL|A10743 FGRM|XP\_011321974.1

>Orthogroup6411: CFRU|XP\_031879927.1 CFRU|XP\_031879928.1 CGLO|KAF3799020.1 CGLO|KAF3799021.1 CHIG|XP\_018152931.1 CVIN|KAF4895113.1 CVIN|KAF4895114.1 CVYL|A07936 FGRM|XP\_011323750.1 FGRM|XP\_011328012.1 MORY|QBZ53603.1 NCRA|XP\_964942.2

>Orthogroup6412: CFRU|XP\_031879753.1 CFRU|XP\_031889444.1 CGLO|KAF3798192.1 CGLO|KAF3808755.1 CHIG|XP\_018155657.1 CVIN|KAF4906971.1 CVIN|KAF4916794.1 CVYL|A00906 CVYL|A04927 FGRM|XP\_011326128.1 MGRA|XP\_003854540.1 MGRA|XP\_003856102.1

>Orthogroup6413: CFRU|XP\_031877460.1 CFRU|XP\_031890917.1 CGLO|KAF3798420.1 CGLO|KAF3801584.1 CHIG|XP\_018161242.1 CVIN|KAF4920026.1 CVIN|KAF4922722.1 CVYL|A11215 CVYL|A12551 FGRM|XP\_011323185.1 MORY|QBZ59880.1 MORY|QBZ60179.1

>Orthogroup6414: CFRU|XP\_031878743.1 CFRU|XP\_031879396.1 CGLO|KAF3798324.1 CGLO|KAF3808627.1 CHIG|XP\_018151154.1 CHIG|XP\_018161889.1 CVIN|KAF4920315.1 CVIN|KAF4926187.1 CVYL|A09044 CVYL|A12211 MORY|QBZ63154.1 NCRA|XP\_011393668.1

>Orthogroup6415: CFRU|XP\_031879248.1 CFRU|XP\_031889133.1 CGLO|KAF3803128.1 CGLO|KAF3807099.1 CHIG|XP\_018164667.1 CVIN|KAF4919031.1 CVIN|KAF4928316.1 CVYL|A01017 FGRM|XP\_011317655.1 FGRM|XP\_011327359.1 MGRA|XP\_003850346.1 MORY|QBZ57786.1

>Orthogroup6416: CFRU|XP\_031877714.1 CFRU|XP\_031879150.1 CGLO|KAF3797374.1 CGLO|KAF3807042.1 CHIG|XP\_018157136.1 CHIG|XP\_018159705.1 CVIN|KAF4920257.1 CVIN|KAF4929391.1 CVYL|A06335 CVYL|A10315 MORY|QBZ61821.1 MORY|QBZ65898.1

>Orthogroup6417: CFRU|XP\_031878629.1 CFRU|XP\_031878811.1 CGLO|KAF3798484.1 CGLO|KAF3802574.1 CHIG|XP\_018161346.1 CVIN|KAF4917602.1 CVYL|A01862 FGRM|XP\_011320704.1 FGRM|XP\_011321812.1 FGRM|XP\_011321813.1 FGRM|XP\_011325190.1 FGRM|XP\_011327636.1

>Orthogroup6418: CFRU|XP\_031878714.1 CFRU|XP\_031889558.1 CGLO|KAF3798351.1 CGLO|KAF3810461.1 CHIG|XP\_018151143.1 CVIN|KAF4923603.1 CVIN|KAF4924610.1 CVYL|A09025 CVYL|A14045 MORY|QBZ61113.1 NCRA|XP\_958597.2 SSCL|APA06533.1

>Orthogroup6419: CFRU|XP\_031878556.1 CFRU|XP\_031878557.1 CGLO|KAF3798455.1 CGLO|KAF3798456.1 CHIG|XP\_018161233.1 CVIN|KAF4920016.1 CVIN|KAF4920017.1 CVYL|A11187 FGRM|XP\_011323411.1 FGRM|XP\_011325890.1 MGRA|XP\_003847592.1 MGRA|XP\_003852219.1

>Orthogroup6420: CFRU|XP\_031878498.1 CHIG|XP\_018159418.1 CHIG|XP\_018161131.1 CVYL|A04833 NCRA|XP\_001728041.2 NCRA|XP\_011394316.1 NCRA|XP\_011394358.1 NCRA|XP\_956286.1 NCRA|XP\_956287.2 NCRA|XP\_957933.1 NCRA|XP\_961987.1 NCRA|XP\_961988.1

>Orthogroup6421: CFRU|XP\_031889483.1 CGLO|KAF3808853.1 CHIG|XP\_018155753.1 CHIG|XP\_018155754.1 CVIN|KAF4893848.1 CVYL|A01227 FGRM|XP\_011317661.1 FGRM|XP\_011319571.1 FGRM|XP\_011319709.1 FGRM|XP\_011319711.1 FGRM|XP\_011323088.1 FGRM|XP\_011327455.1

>Orthogroup6422: CHIG|XP\_018151617.1 CHIG|XP\_018155489.1 FGRM|XP\_011315639.1 FGRM|XP\_011318563.1 FGRM|XP\_011320652.1 FGRM|XP\_011322842.1 FGRM|XP\_011325231.1 FGRM|XP\_011325331.1 FGRM|XP\_011327506.1 FGRM|XP\_011327535.1 FGRM|XP\_011327590.1 FGRM|XP\_011328005.1

>Orthogroup6423: MLAR|XP\_007404164.1 MLAR|XP\_007404193.1 MLAR|XP\_007405121.1 MLAR|XP\_007405385.1 MLAR|XP\_007409321.1 MLAR|XP\_007410179.1 MLAR|XP\_007410744.1 MLAR|XP\_007412177.1 MLAR|XP\_007414077.1 MLAR|XP\_007417558.1 MLAR|XP\_007419583.1 MLAR|XP\_007419768.1

>Orthogroup6424: MLAR|XP\_007403658.1 MLAR|XP\_007412488.1 MLAR|XP\_007412832.1 MLAR|XP\_007412833.1 MLAR|XP\_007415390.1 MLAR|XP\_007416346.1 MLAR|XP\_007416347.1 MLAR|XP\_007416353.1 MLAR|XP\_007416354.1 MLAR|XP\_007416403.1 MLAR|XP\_007418380.1 MLAR|XP\_007418619.1

>Orthogroup6425: MLAR|XP\_007403980.1 MLAR|XP\_007404794.1 MLAR|XP\_007404961.1 MLAR|XP\_007406530.1 MLAR|XP\_007409986.1 MLAR|XP\_007412968.1 MLAR|XP\_007414261.1 MLAR|XP\_007414364.1 MLAR|XP\_007414365.1 MLAR|XP\_007415226.1 MLAR|XP\_007419178.1 MLAR|XP\_007419780.1

>Orthogroup6426: MLAR|XP\_007403921.1 MLAR|XP\_007403926.1 MLAR|XP\_007404718.1 MLAR|XP\_007404720.1 MLAR|XP\_007406904.1 MLAR|XP\_007408262.1 MLAR|XP\_007409340.1 MLAR|XP\_007411805.1 MLAR|XP\_007413361.1 MLAR|XP\_007414538.1 MLAR|XP\_007416080.1 MLAR|XP\_007418070.1

>Orthogroup6427: MLAR|XP\_007405502.1 MLAR|XP\_007405776.1 MLAR|XP\_007405786.1 MLAR|XP\_007406673.1 MLAR|XP\_007406675.1 MLAR|XP\_007409014.1 MLAR|XP\_007410688.1 MLAR|XP\_007411218.1 MLAR|XP\_007411221.1 MLAR|XP\_007414164.1 MLAR|XP\_007415393.1 MLAR|XP\_007416042.1

>Orthogroup6428: MLAR|XP\_007405937.1 MLAR|XP\_007407741.1 MLAR|XP\_007407743.1 MLAR|XP\_007412522.1 MLAR|XP\_007412660.1 MLAR|XP\_007412661.1 MLAR|XP\_007413847.1 MLAR|XP\_007415134.1 MLAR|XP\_007417750.1 MLAR|XP\_007417794.1 MLAR|XP\_007418085.1 MLAR|XP\_007419802.1

>Orthogroup6429: MLAR|XP\_007405986.1 MLAR|XP\_007406178.1 MLAR|XP\_007409949.1 MLAR|XP\_007410207.1 MLAR|XP\_007410363.1 MLAR|XP\_007410765.1 MLAR|XP\_007410766.1 MLAR|XP\_007410767.1 MLAR|XP\_007412821.1 MLAR|XP\_007413370.1 MLAR|XP\_007413371.1 MLAR|XP\_007413372.1

>Orthogroup6430: MLAR|XP\_007405988.1 MLAR|XP\_007407393.1 MLAR|XP\_007407789.1 MLAR|XP\_007410055.1 MLAR|XP\_007411869.1 MLAR|XP\_007413540.1 MLAR|XP\_007413647.1 MLAR|XP\_007414518.1 MLAR|XP\_007415903.1 MLAR|XP\_007416241.1 MLAR|XP\_007418820.1 MLAR|XP\_007418844.1

>Orthogroup6431: MLAR|XP\_007406166.1 MLAR|XP\_007408042.1 MLAR|XP\_007408358.1 MLAR|XP\_007410661.1 MLAR|XP\_007413941.1 MLAR|XP\_007414299.1 MLAR|XP\_007415919.1 MLAR|XP\_007416079.1 MLAR|XP\_007416773.1 MLAR|XP\_007417642.1 MLAR|XP\_007417969.1 MLAR|XP\_007419615.1

>Orthogroup6432: MLAR|XP\_007407726.1 MLAR|XP\_007407972.1 MLAR|XP\_007407973.1 MLAR|XP\_007407975.1 MLAR|XP\_007407976.1 MLAR|XP\_007409784.1 MLAR|XP\_007409871.1 MLAR|XP\_007409902.1 MLAR|XP\_007414755.1 MLAR|XP\_007417941.1 MLAR|XP\_007417967.1 MLAR|XP\_007419619.1

>Orthogroup6433: MLAR|XP\_007408312.1 MLAR|XP\_007409272.1 MLAR|XP\_007411331.1 MLAR|XP\_007411332.1 MLAR|XP\_007412947.1 MLAR|XP\_007414409.1 MLAR|XP\_007417152.1 MLAR|XP\_007417153.1 MLAR|XP\_007417248.1 MLAR|XP\_007417266.1 MLAR|XP\_007417267.1 MLAR|XP\_007417886.1

>Orthogroup6434: SSCL|APA10028.1 SSCL|APA10081.1 SSCL|APA10428.1 SSCL|APA10969.1 SSCL|APA11927.1 SSCL|APA11928.1 SSCL|APA12629.1 SSCL|APA12630.1 SSCL|APA12631.1 SSCL|APA13361.1 SSCL|APA13901.1 SSCL|APA15655.1

>Orthogroup6435: ANID|CBF69360.1 ANID|CBF82284.1 BCIN|XP\_024548999.1 BCIN|XP\_024552382.1 CFRU|XP\_031881851.1 CFRU|XP\_031882883.1 CGLO|KAF3809983.1 CVIN|KAF4905016.1 CVIN|KAF4923718.1 CVYL|A02583 CVYL|A14220

>Orthogroup6436: ANID|CBF69416.1 ANID|CBF87272.1 CFRU|XP\_031877089.1 CFRU|XP\_031877412.1 CFRU|XP\_031891731.1 CGLO|KAF3801283.1 CGLO|KAF3808466.1 CVIN|KAF4915214.1 CVIN|KAF4921588.1 CVYL|A07804 CVYL|A11672

>Orthogroup6437: ANID|CBF69500.1 BCIN|XP\_024548319.1 CFRU|XP\_031890092.1 CGLO|KAF3798254.1 CHIG|XP\_018151941.1 CVIN|KAF4916928.1 CVYL|A09237 MLAR|XP\_007408727.1 MORY|QBZ62598.1 NCRA|XP\_958466.1 SSCL|APA12573.1

>Orthogroup6438: ANID|CBF69565.1 CFRU|XP\_031878265.1 CFRU|XP\_031881881.1 CGLO|KAF3797859.1 CHIG|XP\_018157705.1 CVIN|KAF4892154.1 CVIN|KAF4915615.1 CVYL|A08331 CVYL|A11518 MGRA|XP\_003851982.1 MORY|QBZ63581.1

>Orthogroup6439: ANID|CBF69587.1 ANID|CBF80516.1 CFRU|XP\_031889230.1 CFRU|XP\_031889867.1 CGLO|KAF3808749.1 CHIG|XP\_018155644.1 CHIG|XP\_018159085.1 CVIN|KAF4906979.1 CVIN|KAF4914561.1 CVYL|A00910 MORY|QBZ61606.1

>Orthogroup6440: ANID|CBF69678.1 CFRU|XP\_031880914.1 CGLO|KAF3806937.1 CHIG|XP\_018159657.1 CVIN|KAF4919176.1 CVYL|A06229 FGRM|XP\_011321029.1 FGRM|XP\_011321032.1 MGRA|XP\_003855581.1 MORY|QBZ61984.1 NCRA|XP\_001727959.2

>Orthogroup6441: ANID|CBF69856.1 BCIN|XP\_024553073.1 CFRU|XP\_031883414.1 CGLO|KAF3800528.1 CHIG|XP\_018152158.1 CVYL|A13187 FGRM|XP\_011325508.1 MLAR|XP\_007406000.1 MORY|QBZ53988.1 NCRA|XP\_956481.2 SSCL|APA16285.1

>Orthogroup6442: ANID|CBF69971.1 BCIN|XP\_001551291.2 BCIN|XP\_024550034.1 BGRA|VCU39697.1 MGRA|XP\_003849116.1 MGRA|XP\_003857101.1 MLAR|XP\_007403808.1 MLAR|XP\_007407924.1 MLAR|XP\_007417053.1 SSCL|APA05373.1 SSCL|APA07570.1

>Orthogroup6443: ANID|CBF70019.1 BCIN|XP\_001549731.1 CFRU|XP\_031879132.1 CGLO|KAF3798313.1 CHIG|XP\_018151164.1 CVIN|KAF4920320.1 FGRM|XP\_011323751.1 MGRA|XP\_003852254.1 MORY|QBZ56835.1 NCRA|XP\_962111.2 SSCL|APA13866.1

>Orthogroup6444: ANID|CBF70027.1 BCIN|XP\_001558662.1 CFRU|XP\_031890663.1 CGLO|KAF3804937.1 CHIG|XP\_018164439.1 CVYL|A12117 FGRM|XP\_011316885.1 MLAR|XP\_007414846.1 MORY|QBZ54648.1 NCRA|XP\_964486.1 SSCL|APA05440.1

>Orthogroup6445: ANID|CBF70116.1 BCIN|XP\_024549815.1 CFRU|XP\_031883065.1 CGLO|KAF3808251.1 CHIG|XP\_018163164.1 CVIN|KAF4900280.1 CVYL|A00587 FGRM|XP\_011326182.1 MORY|QBZ57835.1 NCRA|XP\_957985.2 SSCL|APA14486.1

>Orthogroup6446: ANID|CBF70153.1 BCIN|XP\_024553683.1 CFRU|XP\_031886790.1 CGLO|KAF3801224.1 CHIG|XP\_018162606.1 CVIN|KAF4932153.1 CVYL|A07107 FGRM|XP\_011324000.1 MORY|QBZ59325.1 NCRA|XP\_957792.1 SSCL|APA15061.1

>Orthogroup6447: ANID|CBF70157.1 BCIN|XP\_024553926.1 CFRU|XP\_031892971.1 CGLO|KAF3808028.1 CHIG|XP\_018152353.1 CVIN|KAF4909491.1 FGRM|XP\_011317745.1 MGRA|XP\_003854409.1 MORY|QBZ54239.1 NCRA|XP\_961407.1 SSCL|APA15299.1

>Orthogroup6448: ANID|CBF70175.1 ANID|CBF74588.1 BCIN|XP\_001547692.2 CFRU|XP\_031883526.1 CGLO|KAF3810838.1 CHIG|XP\_018155032.1 CVIN|KAF4911120.1 CVYL|A02301 MGRA|XP\_003853196.1 MORY|QBZ60259.1 SSCL|APA13303.1

>Orthogroup6449: ANID|CBF70255.1 BCIN|XP\_024553698.1 CFRU|XP\_031876931.1 CGLO|KAF3810695.1 CHIG|XP\_018162461.1 CVIN|KAF4909759.1 FGRM|XP\_011326997.1 MGRA|XP\_003854458.1 MORY|QBZ63811.1 NCRA|XP\_956679.3 SSCL|APA15080.1

>Orthogroup6450: ANID|CBF70340.1 BCIN|XP\_024552522.1 CFRU|XP\_031885823.1 CGLO|KAF3810134.1 CHIG|XP\_018157966.1 CVIN|KAF4912153.1 CVYL|A02724 FGRM|XP\_011328246.1 MGRA|XP\_003857300.1 MORY|QBZ59272.1 SSCL|APA08468.1

>Orthogroup6451: ANID|CBF70360.1 BCIN|XP\_024553536.1 BGRA|VCU40116.1 CFRU|XP\_031885310.1 CHIG|XP\_018157577.1 CVYL|A09332 FGRM|XP\_011327994.1 MGRA|XP\_003853234.1 MORY|QBZ56281.1 NCRA|XP\_011394328.1 SSCL|APA13773.1

>Orthogroup6452: ANID|CBF70416.1 BCIN|XP\_024546080.1 CFRU|XP\_031881035.1 CHIG|XP\_018161434.1 CVIN|KAF4930621.1 CVYL|A01735 FGRM|XP\_011318717.1 MGRA|XP\_003857266.1 MLAR|XP\_007413459.1 NCRA|XP\_960986.1 SSCL|APA06599.1

>Orthogroup6453: ANID|CBF70420.1 BCIN|XP\_001556459.1 BGRA|VDB95158.1 CFRU|XP\_031879234.1 CGLO|KAF3807036.1 CHIG|XP\_018159708.1 CVYL|A06330 FGRM|XP\_011320475.1 MORY|QBZ61826.1 NCRA|XP\_960540.1 SSCL|APA06546.1

>Orthogroup6454: ANID|CBF70475.1 BCIN|XP\_024547574.1 CFRU|XP\_031877201.1 CGLO|KAF3806454.1 CHIG|XP\_018162342.1 CVIN|KAF4897889.1 CVYL|A12052 FGRM|XP\_011323939.1 MORY|QBZ61401.1 NCRA|XP\_962816.1 SSCL|APA07843.1

>Orthogroup6455: ANID|CBF70557.1 BCIN|XP\_024550010.1 CFRU|XP\_031887545.1 CGLO|KAF3811652.1 CHIG|XP\_018160960.1 CVIN|KAF4920175.1 FGRM|XP\_011323598.1 MGRA|XP\_003852627.1 MORY|QBZ57179.1 NCRA|XP\_962317.3 SSCL|APA05342.1

>Orthogroup6456: ANID|CBF70716.1 BCIN|XP\_024547226.1 CFRU|XP\_031882040.1 CGLO|KAF3806153.1 CHIG|XP\_018164509.1 CVYL|A07354 FGRM|XP\_011325028.1 MGRA|XP\_003851364.1 MORY|QBZ60584.1 NCRA|XP\_959719.3 SSCL|APA14157.1

>Orthogroup6457: ANID|CBF70737.1 CFRU|XP\_031893161.1 CFRU|XP\_031893400.1 CGLO|KAF3808393.1 CGLO|KAF3809466.1 CHIG|XP\_018152455.1 CVIN|KAF4916831.1 CVIN|KAF4921287.1 CVYL|A09553 CVYL|A10034 FGRM|XP\_011320363.1

>Orthogroup6458: ANID|CBF70812.1 BCIN|XP\_024548136.1 CFRU|XP\_031891435.1 CGLO|KAF3804737.1 CHIG|XP\_018161810.1 CVIN|KAF4903565.1 FGRM|XP\_011326133.1 MGRA|XP\_003851583.1 MORY|QBZ55929.1 NCRA|XP\_961581.1 SSCL|APA12373.1

>Orthogroup6459: ANID|CBF70823.1 BCIN|XP\_001550924.1 CFRU|XP\_031876393.1 CHIG|XP\_018156447.1 CVIN|KAF4918823.1 CVYL|A02998 FGRM|XP\_011318768.1 MGRA|XP\_003851550.1 MLAR|XP\_007407085.1 NCRA|XP\_956573.1 SSCL|APA12379.1

>Orthogroup6460: ANID|CBF70831.1 BCIN|XP\_024547659.1 BGRA|VDB85961.1 CFRU|XP\_031887125.1 CHIG|XP\_018160434.1 FGRM|XP\_011326471.1 MGRA|XP\_003855207.1 MLAR|XP\_007409385.1 MORY|QBZ64699.1 NCRA|XP\_961205.2 SSCL|APA07739.1

>Orthogroup6461: ANID|CBF70841.1 BCIN|XP\_024547834.1 BGRA|VCU38796.1 CFRU|XP\_031877747.1 CGLO|KAF3796945.1 CVIN|KAF4911633.1 FGRM|XP\_011318552.1 MLAR|XP\_007411719.1 MORY|QBZ62835.1 NCRA|XP\_957239.1 SSCL|APA08144.1

>Orthogroup6462: ANID|CBF70918.1 BCIN|XP\_024547664.1 BGRA|VDB85969.1 CFRU|XP\_031886831.1 CHIG|XP\_018160423.1 CVIN|KAF4931191.1 CVYL|A04390 FGRM|XP\_011326835.1 MORY|QBZ64688.1 NCRA|XP\_961203.1 SSCL|APA07735.1

>Orthogroup6463: ANID|CBF71075.1 BCIN|XP\_024553995.1 CFRU|XP\_031880680.1 CGLO|KAF3811189.1 CVIN|KAF4931223.1 CVYL|A04352 FGRM|XP\_011324886.1 MGRA|XP\_003849076.1 MORY|QBZ64671.1 NCRA|XP\_011394708.1 SSCL|APA15388.1

>Orthogroup6464: ANID|CBF71142.1 ANID|CBF88560.1 ANID|CBF88605.1 CFRU|XP\_031889366.1 CGLO|KAF3803146.1 CHIG|XP\_018155525.1 CVIN|KAF4928336.1 CVYL|A01032 FGRM|XP\_011318237.1 FGRM|XP\_011319365.1 MORY|QBZ60245.1

>Orthogroup6465: ANID|CBF71144.1 BCIN|XP\_001551596.1 BGRA|VDB88159.1 CFRU|XP\_031892731.1 CGLO|KAF3797216.1 CHIG|XP\_018157292.1 FGRM|XP\_011320154.1 MGRA|XP\_003853102.1 MORY|QBZ65988.1 NCRA|XP\_964629.3 SSCL|APA11798.1

>Orthogroup6466: ANID|CBF71150.1 BCIN|XP\_024547733.1 CFRU|XP\_031877683.1 CGLO|KAF3797365.1 CHIG|XP\_018157144.1 CVIN|KAF4929374.1 CVYL|A10324 FGRM|XP\_011320094.1 MORY|QBZ65950.1 NCRA|XP\_011392925.1 SSCL|APA07988.1

>Orthogroup6467: ANID|CBF71203.1 CFRU|XP\_031893556.1 CGLO|KAF3804662.1 CGLO|KAF3812025.1 CHIG|XP\_018155462.1 CHIG|XP\_018156593.1 CVYL|A05223 FGRM|XP\_011315581.1 FGRM|XP\_011316707.1 FGRM|XP\_011322853.1 NCRA|XP\_962171.1

>Orthogroup6468: ANID|CBF71249.1 BCIN|XP\_024551243.1 CFRU|XP\_031877783.1 CHIG|XP\_018162442.1 CVIN|KAF4916964.1 CVYL|A07277 FGRM|XP\_011318452.1 MGRA|XP\_003852826.1 MLAR|XP\_007403986.1 NCRA|XP\_956186.1 SSCL|APA10324.1

>Orthogroup6469: ANID|CBF71266.1 BCIN|XP\_001558378.1 CFRU|XP\_031882630.1 CGLO|KAF3803954.1 CHIG|XP\_018150990.1 CVIN|KAF4925195.1 CVYL|A08848 FGRM|XP\_011323422.1 MORY|QBZ54791.1 NCRA|XP\_001728193.2 SSCL|APA13749.1

>Orthogroup6470: ANID|CBF71373.1 BCIN|XP\_001556402.1 CFRU|XP\_031887083.1 CGLO|KAF3797463.1 CGLO|KAF3811440.1 CHIG|XP\_018160682.1 CVIN|KAF4917858.1 CVYL|A04639 FGRM|XP\_011323441.1 MGRA|XP\_003851320.1 MORY|QBZ64088.1

>Orthogroup6471: ANID|CBF71374.1 BCIN|XP\_024552632.1 CFRU|XP\_031887082.1 CFRU|XP\_031891019.1 CGLO|KAF3811439.1 CHIG|XP\_018160681.1 CVIN|KAF4917853.1 CVYL|A04638 FGRM|XP\_011323440.1 MGRA|XP\_003852011.1 MORY|QBZ64087.1

>Orthogroup6472: ANID|CBF71405.1 BCIN|XP\_024545992.1 CFRU|XP\_031878722.1 CGLO|KAF3798326.1 CHIG|XP\_018151149.1 CHIG|XP\_018151155.1 CVIN|KAF4920313.1 CVYL|A09042 FGRM|XP\_011322843.1 MORY|QBZ65316.1 SSCL|APA07443.1

>Orthogroup6473: ANID|CBF71407.1 BCIN|XP\_001558584.1 CFRU|XP\_031879711.1 CGLO|KAF3798573.1 CHIG|XP\_018153962.1 CVYL|A04868 FGRM|XP\_011325423.1 MGRA|XP\_003849736.1 MGRA|XP\_003853391.1 NCRA|XP\_011393286.1 SSCL|APA05713.1

>Orthogroup6474: ANID|CBF71587.1 BCIN|XP\_024550354.1 BGRA|VDB94762.1 CFRU|XP\_031891201.1 CGLO|KAF3804529.1 CVIN|KAF4924482.1 CVYL|A04248 FGRM|XP\_011328803.1 MORY|QBZ64730.1 NCRA|XP\_956749.1 SSCL|APA11046.1

>Orthogroup6475: ANID|CBF71675.1 BCIN|XP\_024550301.1 BGRA|VDB94752.1 CFRU|XP\_031886466.1 CHIG|XP\_018162172.1 CVIN|KAF4931490.1 CVYL|A11775 FGRM|XP\_011324070.1 MORY|QBZ59582.1 NCRA|XP\_956691.1 SSCL|APA10964.1

>Orthogroup6476: ANID|CBF71754.1 BCIN|XP\_001560320.1 CFRU|XP\_031889553.1 CGLO|KAF3810444.1 CVYL|A13878 FGRM|XP\_011319692.1 MGRA|XP\_003857043.1 MLAR|XP\_007418241.1 MORY|QBZ56877.1 NCRA|XP\_959572.3 SSCL|APA08823.1

>Orthogroup6477: ANID|CBF73415.1 ANID|CBF83195.1 BCIN|XP\_024552216.1 CFRU|XP\_031881168.1 CGLO|KAF3810981.1 CHIG|XP\_018154854.1 CVIN|KAF4921865.1 CVYL|A02171 FGRM|XP\_011321748.1 MORY|QBZ59882.1 SSCL|APA12923.1

>Orthogroup6478: ANID|CBF73601.1 CFRU|XP\_031883796.1 CGLO|KAF3805135.1 CHIG|XP\_018163379.1 CVIN|KAF4927457.1 CVYL|A06421 CVYL|A10017 FGRM|XP\_011319394.1 MGRA|XP\_003857686.1 MORY|QBZ61619.1 NCRA|XP\_965226.1

>Orthogroup6479: ANID|CBF73715.1 BCIN|XP\_024551647.1 CFRU|XP\_031892159.1 CGLO|KAF3801362.1 CHIG|XP\_018164758.1 CVIN|KAF4913317.1 CVYL|A07720 FGRM|XP\_011322290.1 MORY|QBZ60821.1 NCRA|XP\_960109.2 SSCL|APA14760.1

>Orthogroup6480: ANID|CBF73801.1 CFRU|XP\_031879599.1 CGLO|KAF3802690.1 CHIG|XP\_018151475.1 CHIG|XP\_018163800.1 CVIN|KAF4889148.1 CVYL|A08014 FGRM|XP\_011327276.1 MGRA|XP\_003848738.1 MGRA|XP\_003850192.1 NCRA|XP\_011395267.1

>Orthogroup6481: ANID|CBF73809.1 BCIN|XP\_024546365.1 CFRU|XP\_031892361.1 CHIG|XP\_018153598.1 CVIN|KAF4892471.1 CVYL|A00061 FGRM|XP\_011316069.1 MGRA|XP\_003850290.1 MORY|QBZ59488.1 NCRA|XP\_962092.1 SSCL|APA06851.1

>Orthogroup6482: ANID|CBF73833.1 BCIN|XP\_024549687.1 CFRU|XP\_031879485.1 CGLO|KAF3799657.1 CHIG|XP\_018154664.1 CVIN|KAF4922164.1 CVYL|A13520 FGRM|XP\_011315973.1 MORY|QBZ54440.1 NCRA|XP\_011393653.1 SSCL|APA05617.1

>Orthogroup6483: ANID|CBF73882.1 ANID|CBF77000.1 CFRU|XP\_031891150.1 CGLO|KAF3804617.1 CHIG|XP\_018161690.1 CVIN|KAF4919097.1 CVYL|A05263 FGRM|XP\_011321393.1 MGRA|XP\_003848725.1 MORY|QBZ58200.1 NCRA|XP\_965591.3

>Orthogroup6484: ANID|CBF74097.1 BCIN|XP\_001558817.1 CFRU|XP\_031882269.1 CHIG|XP\_018160279.1 CVIN|KAF4930914.1 CVYL|A04162 FGRM|XP\_011324498.1 MGRA|XP\_003850043.1 MLAR|XP\_007407461.1 MORY|QBZ64714.1 SSCL|APA05972.1

>Orthogroup6485: ANID|CBF74153.1 BCIN|XP\_001558224.1 BGRA|VCU40493.1 CFRU|XP\_031880717.1 CGLO|KAF3811145.1 CHIG|XP\_018160357.1 CVIN|KAF4931193.1 CVYL|A04304 FGRM|XP\_011326445.1 NCRA|XP\_960996.2 SSCL|APA13641.1

>Orthogroup6486: ANID|CBF74213.1 BCIN|XP\_024546791.1 CFRU|XP\_031888910.1 CGLO|KAF3804202.1 CHIG|XP\_018160013.1 CVYL|A03877 FGRM|XP\_011324761.1 MGRA|XP\_003850156.1 MORY|QBZ58111.1 NCRA|XP\_961152.1 SSCL|APA06097.1

>Orthogroup6487: ANID|CBF74237.1 BCIN|XP\_024551213.1 CFRU|XP\_031886512.1 CGLO|KAF3806330.1 CHIG|XP\_018162119.1 CVYL|A11918 FGRM|XP\_011326344.1 MGRA|XP\_003852998.1 MORY|QBZ55503.1 NCRA|XP\_011393940.1 SSCL|APA10330.1

>Orthogroup6488: ANID|CBF74250.1 BCIN|XP\_001555724.1 BGRA|VCU41103.1 CFRU|XP\_031884341.1 CGLO|KAF3806469.1 CHIG|XP\_018162365.1 FGRM|XP\_011323920.1 MGRA|XP\_003857304.1 MORY|QBZ61486.1 NCRA|XP\_955956.1 SSCL|APA10316.1

>Orthogroup6489: ANID|CBF74334.1 BCIN|XP\_001561261.1 CFRU|XP\_031882820.1 CGLO|KAF3803427.1 CHIG|XP\_018164118.1 CVIN|KAF4926290.1 FGRM|XP\_011326827.1 MGRA|XP\_003851109.1 MORY|QBZ56418.1 NCRA|XP\_964470.3 SSCL|APA07204.1

>Orthogroup6490: ANID|CBF74353.1 BCIN|XP\_024548772.1 CFRU|XP\_031887104.1 CHIG|XP\_018160439.1 CVIN|KAF4931200.1 FGRM|XP\_011326472.1 MGRA|XP\_003850628.1 MLAR|XP\_007407873.1 MORY|QBZ53853.1 NCRA|XP\_011394593.1 SSCL|APA09705.1

>Orthogroup6491: ANID|CBF74453.1 BCIN|XP\_024548970.1 BGRA|VDB89577.1 CFRU|XP\_031882640.1 CHIG|XP\_018152281.1 CVIN|KAF4916332.1 CVYL|A13225 FGRM|XP\_011323682.1 MORY|QBZ53775.1 NCRA|XP\_011393533.1 SSCL|APA09543.1

>Orthogroup6492: ANID|CBF74482.1 BCIN|XP\_024551507.1 BGRA|VCU39801.1 CFRU|XP\_031893391.1 CGLO|KAF3808411.1 CHIG|XP\_018152482.1 CVIN|KAF4925009.1 CVYL|A09571 FGRM|XP\_011317870.1 NCRA|XP\_961301.1 SSCL|APA10199.1

>Orthogroup6493: ANID|CBF74485.1 BCIN|XP\_024551167.1 CFRU|XP\_031893397.1 CGLO|KAF3808409.1 CHIG|XP\_018152478.1 CVIN|KAF4924994.1 FGRM|XP\_011317867.1 MGRA|XP\_003852703.1 MORY|QBZ54082.1 NCRA|XP\_011394620.1 SSCL|APA10194.1

>Orthogroup6494: ANID|CBF74514.1 BCIN|XP\_001551409.1 CFRU|XP\_031885051.1 CGLO|KAF3807699.1 CHIG|XP\_018162934.1 CVIN|KAF4918884.1 CVYL|A07242 MGRA|XP\_003853478.1 MORY|QBZ54959.1 NCRA|XP\_957712.1 SSCL|APA10362.1

>Orthogroup6495: ANID|CBF74538.1 BCIN|XP\_024552834.1 CFRU|XP\_031882349.1 CGLO|KAF3807534.1 CHIG|XP\_018156403.1 CVIN|KAF4928873.1 CVYL|A02949 FGRM|XP\_011318595.1 MORY|QBZ56890.1 NCRA|XP\_961058.3 SSCL|APA07619.1

>Orthogroup6496: ANID|CBF74603.1 BCIN|XP\_001553098.1 CFRU|XP\_031889470.1 CGLO|KAF3808831.1 CHIG|XP\_018155746.1 CVIN|KAF4909981.1 CVYL|A01250 MGRA|XP\_003849385.1 MORY|QBZ53865.1 NCRA|XP\_959199.1 SSCL|APA16109.1

>Orthogroup6497: ANID|CBF74660.1 ANID|CBF88894.1 BCIN|XP\_024547084.1 CFRU|XP\_031882318.1 CGLO|KAF3804383.1 CHIG|XP\_018160197.1 CVIN|KAF4894257.1 CVYL|A04079 FGRM|XP\_011324253.1 NCRA|XP\_955931.1 SSCL|APA06167.1

>Orthogroup6498: ANID|CBF74669.1 ANID|CBF86446.1 BCIN|XP\_024547292.1 BCIN|XP\_024548495.1 BCIN|XP\_024549487.1 FGRM|XP\_011328421.1 MGRA|XP\_003850206.1 MGRA|XP\_003852367.1 SSCL|APA09157.1 SSCL|APA12152.1 SSCL|APA14253.1

>Orthogroup6499: ANID|CBF74722.1 ANID|CBF79468.1 BCIN|XP\_024553720.1 BGRA|VDB96428.1 CFRU|XP\_031878351.1 CGLO|KAF3798099.1 CHIG|XP\_018158140.1 CVIN|KAF4927986.1 CVYL|A08261 MORY|QBZ62737.1 SSCL|APA15113.1

>Orthogroup6500: ANID|CBF74728.1 BCIN|XP\_001554195.1 CFRU|XP\_031886487.1 CHIG|XP\_018162213.1 CVIN|KAF4923270.1 CVYL|A11967 FGRM|XP\_011326593.1 MGRA|XP\_003856291.1 MORY|QBZ55762.1 NCRA|XP\_959006.3 SSCL|APA10169.1

>Orthogroup6501: ANID|CBF74767.1 BCIN|XP\_024551355.1 CFRU|XP\_031878394.1 CHIG|XP\_018162536.1 CVIN|KAF4932074.1 CVYL|A07173 FGRM|XP\_011326975.1 MGRA|XP\_003852920.1 MLAR|XP\_007415457.1 NCRA|XP\_011393998.1 SSCL|APA10506.1

>Orthogroup6502: ANID|CBF74769.1 BCIN|XP\_001549893.1 CFRU|XP\_031885031.1 CHIG|XP\_018162853.1 CVIN|KAF4927757.1 CVYL|A07675 MGRA|XP\_003852921.1 MLAR|XP\_007409638.1 MORY|QBZ61324.1 NCRA|XP\_011393913.1 SSCL|APA08222.1

>Orthogroup6503: ANID|CBF74858.1 BCIN|XP\_024550935.1 BGRA|VDB92918.1 CFRU|XP\_031892486.1 CGLO|KAF3809066.1 CHIG|XP\_018155903.1 CVIN|KAF4919741.1 CVYL|A01646 MORY|QBZ64508.1 NCRA|XP\_961613.1 SSCL|APA11726.1

>Orthogroup6504: ANID|CBF74946.1 ANID|CBF90212.1 BCIN|XP\_024547075.1 BGRA|VCU40441.1 CFRU|XP\_031876690.1 CGLO|KAF3801929.1 CHIG|XP\_018159408.1 CVIN|KAF4918701.1 CVYL|A02366 MORY|QBZ57921.1 SSCL|APA06152.1

>Orthogroup6505: ANID|CBF75024.1 BCIN|XP\_001553050.2 CFRU|XP\_031877681.1 CGLO|KAF3797344.1 CHIG|XP\_018157166.1 CVIN|KAF4917653.1 CVYL|A10347 MGRA|XP\_003854508.1 MLAR|XP\_007407306.1 MLAR|XP\_007409539.1 SSCL|APA11239.1

>Orthogroup6506: ANID|CBF75129.1 BCIN|XP\_001551405.1 CFRU|XP\_031882180.1 CGLO|KAF3804440.1 CHIG|XP\_018160263.1 CVIN|KAF4930967.1 CVYL|A04148 FGRM|XP\_011322137.1 MORY|QBZ56238.1 NCRA|XP\_011394553.1 SSCL|APA10365.1

>Orthogroup6507: ANID|CBF75134.1 ANID|CBF88060.1 BCIN|XP\_024548533.1 CFRU|XP\_031880387.1 CGLO|KAF3807286.1 CHIG|XP\_018163176.1 CVIN|KAF4928165.1 CVYL|A10764 MGRA|XP\_003855337.1 MORY|QBZ57575.1 SSCL|APA12094.1

>Orthogroup6508: ANID|CBF75165.1 BCIN|XP\_001558470.1 BCIN|XP\_024547849.1 BCIN|XP\_024551085.1 CFRU|XP\_031888901.1 CHIG|XP\_018155092.1 CHIG|XP\_018161969.1 CVIN|KAF4906643.1 CVYL|A14063 MORY|QBZ57817.1 SSCL|APA12032.1

>Orthogroup6509: ANID|CBF75269.1 BCIN|XP\_024545914.1 CFRU|XP\_031889574.1 CGLO|KAF3810581.1 CHIG|XP\_018159021.1 CVIN|KAF4914208.1 CVYL|A13661 FGRM|XP\_011328352.1 MORY|QBZ57407.1 NCRA|XP\_959507.2 SSCL|APA07330.1

>Orthogroup6510: ANID|CBF75346.1 ANID|CBF80601.1 ANID|CBF87500.1 CFRU|XP\_031890955.1 CGLO|KAF3801535.1 CHIG|XP\_018151965.1 CVIN|KAF4921129.1 CVYL|A12601 FGRM|XP\_011321453.1 MORY|QBZ54541.1 NCRA|XP\_964354.1

>Orthogroup6511: ANID|CBF75382.1 BCIN|XP\_024546251.1 BGRA|VCU39845.1 CFRU|XP\_031889539.1 CGLO|KAF3805893.1 CHIG|XP\_018158901.1 CVYL|A13819 FGRM|XP\_011315920.1 MGRA|XP\_003853568.1 NCRA|XP\_959513.3 SSCL|APA06975.1

>Orthogroup6512: ANID|CBF75392.1 BCIN|XP\_001558716.1 BGRA|VDB86365.1 CFRU|XP\_031885924.1 CGLO|KAF3805528.1 CHIG|XP\_018155370.1 CVIN|KAF4918301.1 CVYL|A05651 FGRM|XP\_011317491.1 NCRA|XP\_963603.1 SSCL|APA05640.1

>Orthogroup6513: ANID|CBF75497.1 BCIN|XP\_001550596.1 BGRA|VDB89072.1 CFRU|XP\_031881943.1 CHIG|XP\_018164478.1 CVIN|KAF4911581.1 FGRM|XP\_011327845.1 MGRA|XP\_003851520.1 MORY|QBZ60550.1 NCRA|XP\_959723.1 SSCL|APA14149.1

>Orthogroup6514: ANID|CBF75503.1 BCIN|XP\_024550719.1 CFRU|XP\_031887260.1 CGLO|KAF3809270.1 CHIG|XP\_018156105.1 CVIN|KAF4907390.1 CVYL|A01463 FGRM|XP\_011319320.1 MORY|QBZ56932.1 NCRA|XP\_955862.3 SSCL|APA11561.1

>Orthogroup6515: ANID|CBF75551.1 BCIN|XP\_024547193.1 CFRU|XP\_031877618.1 CGLO|KAF3801083.1 CHIG|XP\_018153735.1 CVIN|KAF4892461.1 CVYL|A00334 FGRM|XP\_011327806.1 MORY|QBZ60604.1 NCRA|XP\_959799.1 SSCL|APA14104.1

>Orthogroup6516: ANID|CBF75619.1 BCIN|XP\_024551776.1 CFRU|XP\_031884059.1 CGLO|KAF3804996.1 CHIG|XP\_018163523.1 CVIN|KAF4927087.1 CVYL|A06555 FGRM|XP\_011316259.1 MORY|QBZ54802.1 NCRA|XP\_961952.2 SSCL|APA14626.1

>Orthogroup6517: ANID|CBF75627.1 BCIN|XP\_001546940.1 CFRU|XP\_031890981.1 CGLO|KAF3801658.1 CHIG|XP\_018151431.1 CVIN|KAF4921230.1 CVYL|A12477 FGRM|XP\_011328508.1 MGRA|XP\_003856817.1 NCRA|XP\_957543.2 SSCL|APA14858.1

>Orthogroup6518: ANID|CBF75689.1 BCIN|XP\_001558434.1 BGRA|VDB90455.1 CFRU|XP\_031876519.1 CGLO|KAF3802952.1 CHIG|XP\_018153665.1 CVYL|A00383 FGRM|XP\_011317074.1 MGRA|XP\_003856722.1 NCRA|XP\_963846.3 SSCL|APA14747.1

>Orthogroup6519: ANID|CBF75770.1 BCIN|XP\_001547060.1 BGRA|VDB93935.1 CFRU|XP\_031881776.1 CGLO|KAF3800645.1 CHIG|XP\_018152036.1 CVIN|KAF4922010.1 CVYL|A13071 FGRM|XP\_011328417.1 MGRA|XP\_003852912.1 SSCL|APA05947.1

>Orthogroup6520: ANID|CBF75792.1 BCIN|XP\_024550108.1 CFRU|XP\_031892982.1 CGLO|KAF3808014.1 CVIN|KAF4909494.1 CVYL|A09469 FGRM|XP\_011317743.1 MGRA|XP\_003857288.1 MORY|QBZ58063.1 NCRA|XP\_011394836.1 SSCL|APA10599.1

>Orthogroup6521: ANID|CBF75839.1 BCIN|XP\_024548733.1 CFRU|XP\_031886646.1 CGLO|KAF3807480.1 CHIG|XP\_018158757.1 CVIN|KAF4907602.1 CVYL|A05003 FGRM|XP\_011315930.1 MORY|QBZ60357.1 NCRA|XP\_011393116.1 SSCL|APA09770.1

>Orthogroup6522: ANID|CBF76030.1 BCIN|XP\_024549132.1 CFRU|XP\_031876800.1 CFRU|XP\_031885015.1 CGLO|KAF3800324.1 CVIN|KAF4927814.1 CVYL|A06902 MGRA|XP\_003856987.1 NCRA|XP\_958361.2 NCRA|XP\_962221.1 SSCL|APA08829.1

>Orthogroup6523: ANID|CBF76322.1 BGRA|VCU40754.1 CFRU|XP\_031892377.1 CGLO|KAF3809133.1 CHIG|XP\_018155961.1 CVIN|KAF4922120.1 CVYL|A01317 FGRM|XP\_011319189.1 MGRA|XP\_003856008.1 MORY|QBZ56127.1 NCRA|XP\_958852.1

>Orthogroup6524: ANID|CBF76334.1 BCIN|XP\_024548170.1 BGRA|VCU40981.1 CFRU|XP\_031882445.1 CGLO|KAF3809423.1 CHIG|XP\_018156264.1 CVYL|A03091 FGRM|XP\_011318793.1 MORY|QBZ62198.1 NCRA|XP\_011394876.1 SSCL|APA12422.1

>Orthogroup6525: ANID|CBF76348.1 BCIN|XP\_024551720.1 BGRA|VDB89512.1 CFRU|XP\_031882898.1 CHIG|XP\_018163948.1 CVIN|KAF4918423.1 CVYL|A14313 FGRM|XP\_011316137.1 MORY|QBZ56018.1 NCRA|XP\_001728377.2 SSCL|APA14561.1

>Orthogroup6526: ANID|CBF76362.1 BCIN|XP\_024551561.1 BGRA|VDB95054.1 CFRU|XP\_031883396.1 CHIG|XP\_018159197.1 CVIN|KAF4895619.1 FGRM|XP\_011320295.1 MGRA|XP\_003855790.1 MORY|QBZ59062.1 NCRA|XP\_960297.1 SSCL|APA14912.1

>Orthogroup6527: ANID|CBF76429.1 BCIN|XP\_001558550.1 CFRU|XP\_031883289.1 CHIG|XP\_018159221.1 CVIN|KAF4915650.1 CVYL|A12448 FGRM|XP\_011320287.1 MGRA|XP\_003855723.1 MORY|QBZ53869.1 NCRA|XP\_960292.2 SSCL|APA14655.1

>Orthogroup6528: ANID|CBF76439.1 BGRA|VDB89720.1 CFRU|XP\_031884884.1 CGLO|KAF3800996.1 CHIG|XP\_018153247.1 CVIN|KAF4912992.1 CVYL|A05910 FGRM|XP\_011321601.1 MGRA|XP\_003854695.1 MORY|QBZ59403.1 NCRA|XP\_962105.1

>Orthogroup6529: ANID|CBF76490.1 BCIN|XP\_024551654.1 CFRU|XP\_031876516.1 CHIG|XP\_018153660.1 CVIN|KAF4929991.1 CVYL|A00387 FGRM|XP\_011317079.1 MGRA|XP\_003854401.1 MORY|QBZ63841.1 NCRA|XP\_965485.3 SSCL|APA14773.1

>Orthogroup6530: ANID|CBF76492.1 BCIN|XP\_024551655.1 CFRU|XP\_031883013.1 CGLO|KAF3808253.1 CHIG|XP\_018163162.1 CVIN|KAF4900285.1 CVYL|A00589 FGRM|XP\_011326164.1 MORY|QBZ57886.1 NCRA|XP\_956649.1 SSCL|APA14774.1

>Orthogroup6531: ANID|CBF76542.1 BCIN|XP\_024547229.1 CFRU|XP\_031881941.1 CGLO|KAF3797871.1 CHIG|XP\_018164481.1 CVYL|A07330 FGRM|XP\_011327848.1 MGRA|XP\_003848610.1 MORY|QBZ59001.1 NCRA|XP\_959703.2 SSCL|APA14161.1

>Orthogroup6532: ANID|CBF76599.1 BCIN|XP\_001547644.1 CFRU|XP\_031888397.1 CGLO|KAF3803708.1 CHIG|XP\_018163744.1 CVIN|KAF4928530.1 CVYL|A14640 FGRM|XP\_011316237.1 MORY|QBZ54590.1 NCRA|XP\_965661.1 SSCL|APA05890.1

>Orthogroup6533: ANID|CBF76743.1 BCIN|XP\_001546935.1 CFRU|XP\_031883258.1 CGLO|KAF3801706.1 CHIG|XP\_018159202.1 CVIN|KAF4915641.1 CVYL|A12992 FGRM|XP\_011325314.1 MGRA|XP\_003851796.1 NCRA|XP\_957676.1 SSCL|APA14855.1

>Orthogroup6534: ANID|CBF76856.1 BCIN|XP\_001545866.1 BGRA|VCU39085.1 CFRU|XP\_031888027.1 CHIG|XP\_018154340.1 CVIN|KAF4914870.1 CVYL|A03166 FGRM|XP\_011319846.1 MORY|QBZ66024.1 NCRA|XP\_011393338.1 SSCL|APA07288.1

>Orthogroup6535: ANID|CBF76918.1 BCIN|XP\_001550316.1 CFRU|XP\_031878604.1 CGLO|KAF3798515.1 CHIG|XP\_018161194.1 CVIN|KAF4917490.1 CVYL|A03810 FGRM|XP\_011328020.1 MORY|QBZ58848.1 NCRA|XP\_962402.2 SSCL|APA12807.1

>Orthogroup6536: ANID|CBF76957.1 BCIN|XP\_024547690.1 CFRU|XP\_031877729.1 CGLO|KAF3797315.1 CHIG|XP\_018157193.1 CVYL|A10380 FGRM|XP\_011320013.1 MGRA|XP\_003853754.1 MORY|QBZ65617.1 NCRA|XP\_964712.3 SSCL|APA07898.1

>Orthogroup6537: ANID|CBF76981.1 BCIN|XP\_024550160.1 CFRU|XP\_031891515.1 CHIG|XP\_018157385.1 CVIN|KAF4929416.1 CVYL|A10251 FGRM|XP\_011319991.1 MGRA|XP\_003854425.1 MORY|QBZ66073.1 NCRA|XP\_963707.1 SSCL|APA10827.1

>Orthogroup6538: ANID|CBF77027.1 BCIN|XP\_001561012.1 CFRU|XP\_031882317.1 CGLO|KAF3804381.1 CHIG|XP\_018160194.1 CVIN|KAF4894253.1 CVYL|A04076 FGRM|XP\_011324252.1 MORY|QBZ64370.1 NCRA|XP\_959083.1 SSCL|APA06734.1

>Orthogroup6539: ANID|CBF77118.1 ANID|CBF83099.1 BCIN|XP\_001546065.1 CFRU|XP\_031880801.1 CGLO|KAF3806981.1 CGLO|KAF3809972.1 CHIG|XP\_018159624.1 CVIN|KAF4918792.1 CVYL|A06274 MORY|QBZ60128.1 SSCL|APA14991.1

>Orthogroup6540: ANID|CBF77199.1 BCIN|XP\_001547795.2 CFRU|XP\_031885943.1 CGLO|KAF3805440.1 CHIG|XP\_018155298.1 CVIN|KAF4930395.1 CVYL|A05570 FGRM|XP\_011325500.1 MLAR|XP\_007414316.1 MORY|QBZ53812.1 SSCL|APA15431.1

>Orthogroup6541: ANID|CBF77215.1 BCIN|XP\_024547219.1 CFRU|XP\_031881942.1 CGLO|KAF3797877.1 CHIG|XP\_018164475.1 CVIN|KAF4911578.1 CVYL|A07327 FGRM|XP\_011327840.1 MORY|QBZ60553.1 NCRA|XP\_959533.3 SSCL|APA14146.1

>Orthogroup6542: ANID|CBF77292.1 BCIN|XP\_024551296.1 CFRU|XP\_031893496.1 CGLO|KAF3797484.1 CHIG|XP\_018152383.1 CVIN|KAF4898437.1 CVYL|A09485 FGRM|XP\_011317725.1 MGRA|XP\_003852939.1 NCRA|XP\_961484.1 SSCL|APA10232.1

>Orthogroup6543: ANID|CBF77300.1 BCIN|XP\_024551344.1 CFRU|XP\_031886595.1 CGLO|KAF3804115.1 CHIG|XP\_018162632.1 CVIN|KAF4932052.1 CVYL|A07081 FGRM|XP\_011326661.1 MGRA|XP\_003853457.1 NCRA|XP\_962861.3 SSCL|APA10520.1

>Orthogroup6544: ANID|CBF77324.1 BCIN|XP\_001556332.1 CFRU|XP\_031891376.1 CGLO|KAF3797897.1 CHIG|XP\_018161624.1 CVIN|KAF4905681.1 CVYL|A05334 FGRM|XP\_011318675.1 MORY|QBZ62039.1 NCRA|XP\_011393869.1 SSCL|APA08735.1

>Orthogroup6545: ANID|CBF77400.1 BCIN|XP\_024548836.1 CFRU|XP\_031884532.1 CHIG|XP\_018158187.1 CVIN|KAF4918247.1 CVYL|A11458 FGRM|XP\_011328385.1 MGRA|XP\_003855927.1 MORY|QBZ64474.1 NCRA|XP\_965624.1 SSCL|APA09485.1

>Orthogroup6546: ANID|CBF77457.1 BCIN|XP\_024549590.1 CFRU|XP\_031886974.1 CGLO|KAF3811375.1 CHIG|XP\_018160611.1 CVIN|KAF4921012.1 CVYL|A04567 FGRM|XP\_011327210.1 MGRA|XP\_003850676.1 NCRA|XP\_958758.1 SSCL|APA13979.1

>Orthogroup6547: ANID|CBF77518.1 BCIN|XP\_001549300.2 CFRU|XP\_031885998.1 CGLO|KAF3812013.1 CVIN|KAF4930368.1 CVYL|A05496 FGRM|XP\_011317434.1 MGRA|XP\_003848001.1 MORY|QBZ58974.1 NCRA|XP\_963597.3 SSCL|APA12111.1

>Orthogroup6548: ANID|CBF77534.1 BCIN|XP\_001557310.2 CFRU|XP\_031883627.1 CGLO|KAF3800187.1 CHIG|XP\_018155103.1 CVIN|KAF4897006.1 CVYL|A06101 FGRM|XP\_011317479.1 MORY|QBZ64822.1 NCRA|XP\_956451.1 SSCL|APA12465.1

>Orthogroup6549: ANID|CBF77561.1 BCIN|XP\_024548190.1 CFRU|XP\_031890833.1 CGLO|KAF3811738.1 CHIG|XP\_018151802.1 CVIN|KAF4922991.1 CVYL|A12754 FGRM|XP\_011319507.1 MORY|QBZ61921.1 NCRA|XP\_011395272.1 SSCL|APA12442.1

>Orthogroup6550: ANID|CBF77584.1 BCIN|XP\_001557240.1 CFRU|XP\_031885316.1 CGLO|KAF3799504.1 CHIG|XP\_018154490.1 CVIN|KAF4931865.1 CVYL|A13365 FGRM|XP\_011321245.1 MORY|QBZ57272.1 NCRA|XP\_956764.1 SSCL|APA12518.1

>Orthogroup6551: ANID|CBF77678.1 CFRU|XP\_031893183.1 CGLO|KAF3806814.1 CGLO|KAF3809633.1 CHIG|XP\_018156660.1 CVIN|KAF4925042.1 MORY|QBZ58308.1 MORY|QBZ65335.1 MORY|QBZ65812.1 NCRA|XP\_958166.1 NCRA|XP\_965609.1

>Orthogroup6552: ANID|CBF77694.1 ANID|CBF87319.1 BCIN|XP\_001557783.2 BCIN|XP\_024551992.1 BGRA|VCU40696.1 CFRU|XP\_031886507.1 CFRU|XP\_031889128.1 CGLO|KAF3797707.1 CGLO|KAF3806325.1 SSCL|APA12160.1 SSCL|APA12666.1

>Orthogroup6553: ANID|CBF77724.1 BCIN|XP\_001557327.1 BGRA|VCU41007.1 CFRU|XP\_031881303.1 CHIG|XP\_018154785.1 CVIN|KAF4907440.1 FGRM|XP\_011321210.1 MLAR|XP\_007403754.1 MORY|QBZ57285.1 NCRA|XP\_011393705.1 SSCL|APA12456.1

>Orthogroup6554: ANID|CBF77745.1 BCIN|XP\_001552435.1 BGRA|VDB89748.1 CFRU|XP\_031890783.1 CHIG|XP\_018151429.1 CVIN|KAF4921234.1 CVYL|A12479 FGRM|XP\_011328509.1 MORY|QBZ62188.1 NCRA|XP\_960331.1 SSCL|APA14914.1

>Orthogroup6555: ANID|CBF77813.1 BCIN|XP\_024548352.1 CFRU|XP\_031889354.1 CGLO|KAF3808811.1 CHIG|XP\_018155714.1 CVIN|KAF4908027.1 FGRM|XP\_011319263.1 MGRA|XP\_003847889.1 MORY|QBZ58711.1 NCRA|XP\_011394757.1 SSCL|APA12369.1

>Orthogroup6556: ANID|CBF77840.1 BCIN|XP\_024547830.1 BGRA|VDB84385.1 CFRU|XP\_031886908.1 CHIG|XP\_018160708.1 FGRM|XP\_011327246.1 MGRA|XP\_003850242.1 MLAR|XP\_007416727.1 MORY|QBZ54246.1 NCRA|XP\_955966.1 SSCL|APA08140.1

>Orthogroup6557: ANID|CBF77932.1 BCIN|XP\_024551624.1 CFRU|XP\_031878445.1 CGLO|KAF3799793.1 CHIG|XP\_018153882.1 CVIN|KAF4912458.1 CVYL|A04800 MGRA|XP\_003854640.1 MORY|QBZ60753.1 NCRA|XP\_956091.1 SSCL|APA06268.1

>Orthogroup6558: ANID|CBF77977.1 BCIN|XP\_024553358.1 BGRA|VCU40510.1 CFRU|XP\_031886900.1 CHIG|XP\_018160518.1 CVIN|KAF4931180.1 CVYL|A04438 FGRM|XP\_011327065.1 MORY|QBZ57739.1 NCRA|XP\_960921.1 SSCL|APA13677.1

>Orthogroup6559: ANID|CBF78169.1 BCIN|XP\_001551691.1 BGRA|VDB89826.1 CFRU|XP\_031892659.1 CGLO|KAF3797293.1 CHIG|XP\_018157213.1 CVIN|KAF4901002.1 CVYL|A10401 MORY|QBZ65937.1 NCRA|XP\_964895.1 SSCL|APA11600.1

>Orthogroup6560: ANID|CBF78244.1 CFRU|XP\_031888155.1 CHIG|XP\_018156494.1 CHIG|XP\_018156495.1 CHIG|XP\_018158716.1 CVIN|KAF4899208.1 CVYL|A03388 FGRM|XP\_011322307.1 FGRM|XP\_011322878.1 MLAR|XP\_007413604.1 MORY|QBZ57522.1

>Orthogroup6561: ANID|CBF78280.1 ANID|CBF82097.1 CFRU|XP\_031892190.1 CGLO|KAF3809818.1 CHIG|XP\_018164940.1 CVIN|KAF4919303.1 CVYL|A06736 MORY|QBZ54897.1 NCRA|XP\_011395381.1 NCRA|XP\_955932.1 SSCL|APA15674.1

>Orthogroup6562: ANID|CBF78299.1 BCIN|XP\_001557722.2 BCIN|XP\_024547530.1 CGLO|KAF3811117.1 CHIG|XP\_018165004.1 FGRM|XP\_011318048.1 FGRM|XP\_011322743.1 MGRA|XP\_003847573.1 MGRA|XP\_003856061.1 SSCL|APA07710.1 SSCL|APA12210.1

>Orthogroup6563: ANID|CBF78337.1 BCIN|XP\_001546764.1 CFRU|XP\_031885790.1 CGLO|KAF3810113.1 CHIG|XP\_018157865.1 CVIN|KAF4910241.1 CVYL|A02705 FGRM|XP\_011322146.1 FGRM|XP\_011325285.1 MORY|QBZ64956.1 SSCL|APA09130.1

>Orthogroup6564: ANID|CBF78375.1 BCIN|XP\_024551163.1 CFRU|XP\_031888814.1 CFRU|XP\_031892908.1 CGLO|KAF3804241.1 CHIG|XP\_018160059.1 CHIG|XP\_018160099.1 CVIN|KAF4930091.1 CVYL|A03902 FGRM|XP\_011321775.1 MORY|QBZ53667.1

>Orthogroup6565: ANID|CBF78399.1 ANID|CBF78480.1 CFRU|XP\_031878299.1 CGLO|KAF3798091.1 CHIG|XP\_018158146.1 CVIN|KAF4927961.1 CVYL|A08270 FGRM|XP\_011318239.1 MLAR|XP\_007411196.1 MLAR|XP\_007413440.1 MORY|QBZ60051.1

>Orthogroup6566: ANID|CBF78486.1 BCIN|XP\_001554824.2 CFRU|XP\_031879267.1 CGLO|KAF3808624.1 CHIG|XP\_018161886.1 CVIN|KAF4926180.1 CVYL|A12244 FGRM|XP\_011325165.1 FGRM|XP\_011327128.1 MORY|QBZ58429.1 SSCL|APA15529.1

>Orthogroup6567: ANID|CBF78534.1 ANID|CBF83004.1 BCIN|XP\_024549779.1 CFRU|XP\_031882202.1 CGLO|KAF3804391.1 CHIG|XP\_018160202.1 CVIN|KAF4931002.1 CVYL|A04087 FGRM|XP\_011315785.1 MGRA|XP\_003853698.1 SSCL|APA05726.1

>Orthogroup6568: ANID|CBF78561.1 BCIN|XP\_001554573.1 CFRU|XP\_031882437.1 CGLO|KAF3807541.1 CHIG|XP\_018156395.1 CVIN|KAF4928917.1 CVYL|A02943 FGRM|XP\_011318574.1 MORY|QBZ56944.1 NCRA|XP\_960192.1 SSCL|APA11639.1

>Orthogroup6569: ANID|CBF78572.1 BCIN|XP\_024550423.1 BGRA|VDB87959.1 CFRU|XP\_031878227.1 CHIG|XP\_018161934.1 CVIN|KAF4917631.1 CVYL|A11603 FGRM|XP\_011318514.1 MORY|QBZ59646.1 NCRA|XP\_011393848.1 SSCL|APA11123.1

>Orthogroup6570: ANID|CBF78603.1 BCIN|XP\_001553054.1 CFRU|XP\_031887041.1 CGLO|KAF3811451.1 CHIG|XP\_018160695.1 CVIN|KAF4917862.1 CVYL|A04653 FGRM|XP\_011327230.1 MORY|QBZ53839.1 NCRA|XP\_011394491.1 SSCL|APA11263.1

>Orthogroup6571: ANID|CBF78623.1 ANID|CBF82203.1 BCIN|XP\_024549289.1 CFRU|XP\_031890764.1 CGLO|KAF3801527.1 CHIG|XP\_018152551.1 CVIN|KAF4898142.1 CVYL|A12609 MGRA|XP\_003856688.1 MORY|QBZ66316.1 SSCL|APA08911.1

>Orthogroup6572: ANID|CBF78638.1 BCIN|XP\_024552065.1 BGRA|VCU39184.1 CFRU|XP\_031893595.1 CGLO|KAF3796916.1 CHIG|XP\_018157438.1 CVIN|KAF4908260.1 FGRM|XP\_011321337.1 MORY|QBZ57174.1 NCRA|XP\_961767.3 SSCL|APA12839.1

>Orthogroup6573: ANID|CBF78701.1 BCIN|XP\_001551911.1 CFRU|XP\_031885038.1 CGLO|KAF3800359.1 CHIG|XP\_018162848.1 CVIN|KAF4914545.1 CVYL|A07620 MLAR|XP\_007409929.1 MORY|QBZ59547.1 NCRA|XP\_957822.2 SSCL|APA15199.1

>Orthogroup6574: ANID|CBF78788.1 ANID|CBF85004.1 BCIN|XP\_001548316.1 CFRU|XP\_031884441.1 CGLO|KAF3799735.1 CHIG|XP\_018158292.1 CVIN|KAF4899560.1 CVYL|A11357 FGRM|XP\_011318040.1 FGRM|XP\_011327550.1 MORY|QBZ56987.1

>Orthogroup6575: ANID|CBF78824.1 ANID|CBF89577.1 BCIN|XP\_024553854.1 CFRU|XP\_031893380.1 CGLO|KAF3800848.1 CHIG|XP\_018150842.1 CVIN|KAF4915591.1 CVYL|A11088 FGRM|XP\_011322613.1 MORY|QBZ65134.1 SSCL|APA15223.1

>Orthogroup6576: ANID|CBF78840.1 CFRU|XP\_031883502.1 CFRU|XP\_031887775.1 CGLO|KAF3803253.1 CGLO|KAF3811921.1 CHIG|XP\_018161105.1 CVIN|KAF4928653.1 CVYL|A03686 FGRM|XP\_011316958.1 MORY|QBZ58775.1 NCRA|XP\_958450.2

>Orthogroup6577: ANID|CBF78919.1 BCIN|XP\_024553554.1 BCIN|XP\_024553841.1 CFRU|XP\_031887017.1 CGLO|KAF3811316.1 CHIG|XP\_018160541.1 CVIN|KAF4927198.1 CVYL|A04496 MORY|QBZ63306.1 MORY|QBZ65680.1 SSCL|APA13894.1

>Orthogroup6578: ANID|CBF78923.1 ANID|CBF88776.1 BCIN|XP\_024546855.1 CFRU|XP\_031882699.1 CGLO|KAF3800494.1 CHIG|XP\_018152267.1 FGRM|XP\_011316333.1 MGRA|XP\_003848767.1 MORY|QBZ54018.1 NCRA|XP\_957171.3 SSCL|APA06031.1

>Orthogroup6579: ANID|CBF79200.1 BCIN|XP\_001558119.2 CFRU|XP\_031893586.1 CGLO|KAF3800799.1 CHIG|XP\_018150905.1 CVIN|KAF4922464.1 CVYL|A08752 FGRM|XP\_011323778.1 MORY|QBZ56546.1 NCRA|XP\_961947.2 SSCL|APA12967.1

>Orthogroup6580: ANID|CBF79219.1 BCIN|XP\_024552181.1 CFRU|XP\_031887491.1 CGLO|KAF3807171.1 CHIG|XP\_018161011.1 CVIN|KAF4917583.1 CVYL|A03575 FGRM|XP\_011328098.1 MORY|QBZ56264.1 NCRA|XP\_962617.1 SSCL|APA13096.1

>Orthogroup6581: ANID|CBF79313.1 BCIN|XP\_024546148.1 CFRU|XP\_031879185.1 CHIG|XP\_018159756.1 CVIN|KAF4919036.1 CVYL|A06390 FGRM|XP\_011320686.1 MGRA|XP\_003854692.1 MORY|QBZ64012.1 NCRA|XP\_960543.3 SSCL|APA07136.1

>Orthogroup6582: ANID|CBF79321.1 BCIN|XP\_001557519.2 CFRU|XP\_031883343.1 CHIG|XP\_018152119.1 CVIN|KAF4923782.1 CVYL|A13154 FGRM|XP\_011317242.1 MGRA|XP\_003854637.1 MORY|QBZ60296.1 NCRA|XP\_957162.1 SSCL|APA12608.1

>Orthogroup6583: ANID|CBF79373.1 BCIN|XP\_024548922.1 CFRU|XP\_031886632.1 CGLO|KAF3798898.1 CHIG|XP\_018158571.1 CVIN|KAF4925572.1 CVYL|A05054 FGRM|XP\_011328431.1 MORY|QBZ60480.1 NCRA|XP\_964993.2 SSCL|APA09591.1

>Orthogroup6584: ANID|CBF79375.1 BCIN|XP\_001547909.1 CFRU|XP\_031877337.1 CFRU|XP\_031884752.1 CGLO|KAF3799889.1 CHIG|XP\_018153804.1 CVIN|KAF4912996.1 CVIN|KAF4921745.1 CVYL|A09630 FGRM|XP\_011325395.1 SSCL|APA07487.1

>Orthogroup6585: ANID|CBF79395.1 BCIN|XP\_024550827.1 BGRA|VDB93200.1 CFRU|XP\_031887432.1 CGLO|KAF3809330.1 CHIG|XP\_018156179.1 FGRM|XP\_011319226.1 MLAR|XP\_007404747.1 MORY|QBZ54207.1 NCRA|XP\_011394849.1 SSCL|APA11735.1

>Orthogroup6586: ANID|CBF79487.1 BCIN|XP\_024552401.1 BGRA|VDB89652.1 CFRU|XP\_031887719.1 CHIG|XP\_018161162.1 CVIN|KAF4898738.1 CVYL|A03745 FGRM|XP\_011321368.1 MLAR|XP\_007411838.1 NCRA|XP\_962213.1 SSCL|APA13295.1

>Orthogroup6587: ANID|CBF79497.1 BCIN|XP\_024552394.1 CFRU|XP\_031887463.1 CHIG|XP\_018161152.1 CVIN|KAF4919277.1 FGRM|XP\_011318401.1 MGRA|XP\_003849615.1 MLAR|XP\_007409062.1 MORY|QBZ64580.1 NCRA|XP\_961880.2 SSCL|APA13306.1

>Orthogroup6588: ANID|CBF79581.1 BCIN|XP\_001557092.1 CFRU|XP\_031885857.1 CGLO|KAF3810219.1 CHIG|XP\_018157843.1 CVIN|KAF4929187.1 CVYL|A02816 FGRM|XP\_011320330.1 MORY|QBZ61299.1 NCRA|XP\_957599.1 SSCL|APA08534.1

>Orthogroup6589: ANID|CBF79704.1 CFRU|XP\_031888786.1 CFRU|XP\_031888968.1 CGLO|KAF3799211.1 CHIG|XP\_018159510.1 CVIN|KAF4909307.1 CVYL|A10106 FGRM|XP\_011318261.1 MGRA|XP\_003855181.1 MLAR|XP\_007416968.1 SSCL|APA08097.1

>Orthogroup6590: ANID|CBF79865.1 BCIN|XP\_024553030.1 CFRU|XP\_031892517.1 CGLO|KAF3809096.1 CHIG|XP\_018155896.1 CVIN|KAF4922130.1 CVYL|A01283 FGRM|XP\_011318992.1 MORY|QBZ57468.1 NCRA|XP\_961529.2 SSCL|APA16181.1

>Orthogroup6591: ANID|CBF79870.1 BCIN|XP\_024550358.1 CFRU|XP\_031888004.1 CGLO|KAF3802321.1 CHIG|XP\_018154423.1 CVIN|KAF4918809.1 FGRM|XP\_011319742.1 MGRA|XP\_003857418.1 MORY|QBZ65838.1 NCRA|XP\_965524.2 SSCL|APA11041.1

>Orthogroup6592: ANID|CBF79964.1 BCIN|XP\_001553488.1 BGRA|VDB84165.1 CFRU|XP\_031888030.1 CHIG|XP\_018154353.1 CVIN|KAF4924406.1 CVYL|A10429 FGRM|XP\_011319807.1 MORY|QBZ65794.1 NCRA|XP\_964228.1 SSCL|APA10876.1

>Orthogroup6593: ANID|CBF80009.1 BCIN|XP\_001561014.1 CFRU|XP\_031890511.1 CGLO|KAF3804898.1 CHIG|XP\_018164363.1 CVIN|KAF4909775.1 CVYL|A12160 FGRM|XP\_011317055.1 MORY|QBZ63801.1 NCRA|XP\_963923.2 SSCL|APA06736.1

>Orthogroup6594: ANID|CBF80095.1 BCIN|XP\_024547018.1 CFRU|XP\_031877823.1 CGLO|KAF3804775.1 CHIG|XP\_018164251.1 CVIN|KAF4929802.1 CVYL|A12302 FGRM|XP\_011317034.1 MGRA|XP\_003856316.1 MORY|QBZ63567.1 SSCL|APA05893.1

>Orthogroup6595: ANID|CBF80158.1 ANID|CBF85213.1 CFRU|XP\_031890393.1 CGLO|KAF3806717.1 CGLO|KAF3807982.1 CHIG|XP\_018158693.1 CVIN|KAF4919503.1 CVYL|A14025 FGRM|XP\_011317322.1 FGRM|XP\_011324571.1 NCRA|XP\_960617.1

>Orthogroup6596: ANID|CBF80352.1 CFRU|XP\_031878189.1 CFRU|XP\_031884948.1 CGLO|KAF3808511.1 CHIG|XP\_018153421.1 CHIG|XP\_018161965.1 CVIN|KAF4917721.1 CVYL|A00199 CVYL|A11627 FGRM|XP\_011328427.1 MORY|QBZ57907.1

>Orthogroup6597: ANID|CBF80467.1 BCIN|XP\_001559894.1 CFRU|XP\_031882292.1 CGLO|KAF3804434.1 CHIG|XP\_018160257.1 CVIN|KAF4930900.1 CVYL|A04140 FGRM|XP\_011324524.1 MORY|QBZ63057.1 NCRA|XP\_961361.1 SSCL|APA09740.1

>Orthogroup6598: ANID|CBF80617.1 CFRU|XP\_031878563.1 CFRU|XP\_031879369.1 CGLO|KAF3798453.1 CGLO|KAF3808597.1 CHIG|XP\_018161894.1 CVIN|KAF4920015.1 CVIN|KAF4926111.1 CVYL|A11189 CVYL|A11546 FGRM|XP\_011321963.1

>Orthogroup6599: ANID|CBF80697.1 BCIN|XP\_024549262.1 CFRU|XP\_031888078.1 CGLO|KAF3802029.1 CHIG|XP\_018154145.1 CVIN|KAF4910500.1 CVYL|A03360 FGRM|XP\_011321299.1 MGRA|XP\_003851361.1 MORY|QBZ59837.1 SSCL|APA08873.1

>Orthogroup6600: ANID|CBF80714.1 CFRU|XP\_031880042.1 CFRU|XP\_031880131.1 CGLO|KAF3811778.1 CGLO|KAF3811779.1 CHIG|XP\_018151761.1 CVIN|KAF4907638.1 CVYL|A12784 FGRM|XP\_011315888.1 MORY|QBZ54613.1 NCRA|XP\_958744.3

>Orthogroup6601: ANID|CBF80873.1 BCIN|XP\_024553161.1 CFRU|XP\_031881827.1 CGLO|KAF3800634.1 CHIG|XP\_018152050.1 CVYL|A13082 FGRM|XP\_011317343.1 MGRA|XP\_003854849.1 MORY|QBZ57299.1 NCRA|XP\_956268.2 SSCL|APA13344.1

>Orthogroup6602: ANID|CBF80883.1 BCIN|XP\_001552631.1 BGRA|VCU39559.1 CFRU|XP\_031889403.1 CGLO|KAF3808780.1 CHIG|XP\_018155682.1 CVIN|KAF4900703.1 FGRM|XP\_011319250.1 MLAR|XP\_007403766.1 NCRA|XP\_957865.1 SSCL|APA11465.1

>Orthogroup6603: ANID|CBF80885.1 BCIN|XP\_001552011.1 BGRA|VCU39417.1 CFRU|XP\_031891551.1 CHIG|XP\_018157409.1 CVIN|KAF4929367.1 CVYL|A10231 FGRM|XP\_011323008.1 MLAR|XP\_007406586.1 NCRA|XP\_963884.3 SSCL|APA11002.1

>Orthogroup6604: ANID|CBF80922.1 BCIN|XP\_001547430.1 CFRU|XP\_031883349.1 CGLO|KAF3800559.1 CHIG|XP\_018152116.1 CVIN|KAF4923787.1 CVYL|A13157 FGRM|XP\_011317239.1 MORY|QBZ57295.1 NCRA|XP\_957165.2 SSCL|APA13518.1

>Orthogroup6605: ANID|CBF80931.1 ANID|CBF82309.1 BCIN|XP\_024547818.1 CGLO|KAF3812018.1 CHIG|XP\_018156522.1 CVYL|A08513 FGRM|XP\_011324572.1 FGRM|XP\_011325470.1 MGRA|XP\_003850112.1 NCRA|XP\_957114.1 SSCL|APA08123.1

>Orthogroup6606: ANID|CBF80942.1 BCIN|XP\_001558612.1 CFRU|XP\_031885949.1 CGLO|KAF3805434.1 CHIG|XP\_018155294.1 CVIN|KAF4930380.1 CVYL|A05564 FGRM|XP\_011325574.1 MORY|QBZ54039.1 NCRA|XP\_956847.2 SSCL|APA05688.1

>Orthogroup6607: ANID|CBF81005.1 BCIN|XP\_001556420.1 CFRU|XP\_031888306.1 CGLO|KAF3803531.1 CHIG|XP\_018164058.1 CVIN|KAF4922274.1 CVYL|A14462 FGRM|XP\_011326768.1 MORY|QBZ62814.1 NCRA|XP\_957900.3 SSCL|APA06581.1

>Orthogroup6608: ANID|CBF81076.1 BCIN|XP\_001560271.1 CFRU|XP\_031889549.1 CGLO|KAF3810480.1 CHIG|XP\_018159136.1 CVIN|KAF4924629.1 CVYL|A14083 FGRM|XP\_011317202.1 MORY|QBZ55488.1 NCRA|XP\_965632.1 SSCL|APA08850.1

>Orthogroup6609: ANID|CBF81077.1 BCIN|XP\_001560429.1 CFRU|XP\_031889551.1 CGLO|KAF3810478.1 CHIG|XP\_018159134.1 CVIN|KAF4924631.1 CVYL|A14080 FGRM|XP\_011317189.1 MORY|QBZ56385.1 NCRA|XP\_965634.1 SSCL|APA08759.1

>Orthogroup6610: ANID|CBF81083.1 BCIN|XP\_024547269.1 CFRU|XP\_031876896.1 CGLO|KAF3799842.1 CHIG|XP\_018153834.1 CVIN|KAF4921694.1 CVYL|A09674 FGRM|XP\_011325394.1 MORY|QBZ60763.1 NCRA|XP\_960008.1 SSCL|APA14236.1

>Orthogroup6611: ANID|CBF81087.1 BCIN|XP\_024546655.1 CFRU|XP\_031889789.1 CGLO|KAF3810450.1 CVIN|KAF4924647.1 CVYL|A13923 FGRM|XP\_011327303.1 MLAR|XP\_007409054.1 MORY|QBZ56884.1 NCRA|XP\_011395235.1 SSCL|APA06807.1

>Orthogroup6612: ANID|CBF81098.1 BCIN|XP\_024549121.1 CFRU|XP\_031889991.1 CGLO|KAF3802912.1 CHIG|XP\_018158515.1 CVYL|A05099 FGRM|XP\_011316570.1 MGRA|XP\_003853409.1 MORY|QBZ63216.1 NCRA|XP\_965039.1 SSCL|APA08844.1

>Orthogroup6613: ANID|CBF81138.1 BCIN|XP\_001554529.1 CFRU|XP\_031889191.1 CGLO|KAF3808772.1 CHIG|XP\_018155665.1 CVIN|KAF4918218.1 CVYL|A00891 FGRM|XP\_011318982.1 MGRA|XP\_003850775.1 MORY|QBZ57148.1 SSCL|APA11862.1

>Orthogroup6614: ANID|CBF81207.1 BGRA|VDB84293.1 CFRU|XP\_031892491.1 CGLO|KAF3797189.1 CHIG|XP\_018157311.1 CVIN|KAF4920807.1 CVYL|A10508 FGRM|XP\_011319933.1 FGRM|XP\_011319934.1 MORY|QBZ66091.1 NCRA|XP\_964531.2

>Orthogroup6615: ANID|CBF81211.1 BCIN|XP\_001561307.2 CFRU|XP\_031890528.1 CGLO|KAF3804863.1 CHIG|XP\_018164395.1 CVIN|KAF4921176.1 CVYL|A12208 FGRM|XP\_011316301.1 MORY|QBZ55296.1 NCRA|XP\_964275.1 SSCL|APA06855.1

>Orthogroup6616: ANID|CBF81324.1 BCIN|XP\_001545265.2 CFRU|XP\_031892821.1 CHIG|XP\_018153464.1 CVIN|KAF4919898.1 CVYL|A00143 FGRM|XP\_011325311.1 MGRA|XP\_003847796.1 MORY|QBZ61909.1 NCRA|XP\_965165.3 SSCL|APA11338.1

>Orthogroup6617: ANID|CBF81348.1 BCIN|XP\_024547736.1 CFRU|XP\_031886250.1 CGLO|KAF3811890.1 CHIG|XP\_018155176.1 CVIN|KAF4920575.1 CVYL|A06183 FGRM|XP\_011317393.1 MORY|QBZ53759.1 NCRA|XP\_955790.1 SSCL|APA07981.1

>Orthogroup6618: ANID|CBF81378.1 BCIN|XP\_001560941.1 CFRU|XP\_031880873.1 CGLO|KAF3806890.1 CHIG|XP\_018159572.1 CVIN|KAF4904495.1 CVYL|A02533 FGRM|XP\_011320452.1 MORY|QBZ61867.1 NCRA|XP\_960512.2 SSCL|APA06675.1

>Orthogroup6619: ANID|CBF81381.1 BCIN|XP\_001561117.1 BGRA|VDB95116.1 CFRU|XP\_031880877.1 CHIG|XP\_018159575.1 CVIN|KAF4904506.1 CVYL|A02537 FGRM|XP\_011320449.1 MORY|QBZ61870.1 NCRA|XP\_960514.2 SSCL|APA07129.1

>Orthogroup6620: ANID|CBF81404.1 BCIN|XP\_001555175.1 CFRU|XP\_031887132.1 CGLO|KAF3811369.1 CHIG|XP\_018160605.1 CVIN|KAF4921037.1 CVYL|A04559 FGRM|XP\_011327216.1 MORY|QBZ56900.1 NCRA|XP\_961571.2 SSCL|APA09165.1

>Orthogroup6621: ANID|CBF81407.1 BCIN|XP\_001555173.1 CFRU|XP\_031886968.1 CGLO|KAF3811371.1 CHIG|XP\_018160607.1 CVIN|KAF4921031.1 CVYL|A04561 FGRM|XP\_011327214.1 MORY|QBZ56902.1 NCRA|XP\_961569.1 SSCL|APA09167.1

>Orthogroup6622: ANID|CBF81553.1 BCIN|XP\_001555448.1 CFRU|XP\_031883288.1 CGLO|KAF3801691.1 CHIG|XP\_018159220.1 CVIN|KAF4915654.1 CVYL|A13006 MGRA|XP\_003853993.1 MORY|QBZ55461.1 NCRA|XP\_960227.1 SSCL|APA08167.1

>Orthogroup6623: ANID|CBF81576.1 BCIN|XP\_024547758.1 CFRU|XP\_031891014.1 CGLO|KAF3801645.1 CHIG|XP\_018151413.1 CVIN|KAF4921212.1 CVYL|A12491 FGRM|XP\_011328183.1 MORY|QBZ62410.1 NCRA|XP\_956084.3 SSCL|APA08014.1

>Orthogroup6624: ANID|CBF81610.1 BCIN|XP\_001560602.1 BGRA|VDB94864.1 CFRU|XP\_031885825.1 CGLO|KAF3810127.1 CVIN|KAF4912143.1 CVYL|A02718 FGRM|XP\_011319977.1 MORY|QBZ56069.1 NCRA|XP\_958800.1 SSCL|APA07904.1

>Orthogroup6625: ANID|CBF81614.1 BCIN|XP\_024547772.1 CFRU|XP\_031885577.1 CHIG|XP\_018157938.1 CVIN|KAF4918603.1 CVYL|A02859 FGRM|XP\_011328232.1 MLAR|XP\_007411628.1 MORY|QBZ56070.1 NCRA|XP\_958799.1 SSCL|APA08033.1

>Orthogroup6626: ANID|CBF81679.1 BCIN|XP\_024552158.1 CFRU|XP\_031877252.1 CGLO|KAF3806826.1 CVIN|KAF4908885.1 CVYL|A02471 FGRM|XP\_011319687.1 MGRA|XP\_003853644.1 MORY|QBZ64261.1 NCRA|XP\_957047.2 SSCL|APA13149.1

>Orthogroup6627: ANID|CBF81752.1 BCIN|XP\_024548434.1 BGRA|VDB88783.1 CFRU|XP\_031877962.1 CHIG|XP\_018154937.1 CVIN|KAF4916369.1 CVYL|A02241 FGRM|XP\_011324626.1 MGRA|XP\_003856413.1 NCRA|XP\_963216.1 SSCL|APA12260.1

>Orthogroup6628: ANID|CBF81785.1 CFRU|XP\_031875349.1 CFRU|XP\_031891367.1 CGLO|KAF3797924.1 CHIG|XP\_018161593.1 CHIG|XP\_018163052.1 CVIN|KAF4907822.1 CVYL|A05359 MORY|QBZ61796.1 MORY|QBZ66351.1 SSCL|APA13919.1

>Orthogroup6629: ANID|CBF81925.1 BCIN|XP\_024550593.1 CFRU|XP\_031885645.1 CGLO|KAF3810268.1 CHIG|XP\_018157926.1 CVYL|A02870 FGRM|XP\_011328518.1 MGRA|XP\_003849727.1 MORY|QBZ62614.1 NCRA|XP\_957660.2 SSCL|APA11391.1

>Orthogroup6630: ANID|CBF81927.1 ANID|CBF82909.1 CFRU|XP\_031879992.1 CGLO|KAF3798947.1 CHIG|XP\_018152874.1 CVIN|KAF4923509.1 CVYL|A07863 FGRM|XP\_011321840.1 MGRA|XP\_003848496.1 MORY|QBZ63738.1 NCRA|XP\_961667.3

>Orthogroup6631: ANID|CBF81939.1 CFRU|XP\_031884243.1 CFRU|XP\_031889514.1 CGLO|KAF3803781.1 CGLO|KAF3805907.1 CHIG|XP\_018158923.1 CVIN|KAF4898938.1 CVIN|KAF4898939.1 CVYL|A13804 FGRM|XP\_011320833.1 FGRM|XP\_011320944.1

>Orthogroup6632: ANID|CBF81970.1 BCIN|XP\_001556725.1 CFRU|XP\_031888749.1 CGLO|KAF3804156.1 CHIG|XP\_018160005.1 CVIN|KAF4918374.1 CVYL|A03818 FGRM|XP\_011325452.1 MGRA|XP\_003853964.1 MORY|QBZ58472.1 SSCL|APA14533.1

>Orthogroup6633: ANID|CBF82016.1 BCIN|XP\_001553803.2 CFRU|XP\_031892123.1 CGLO|KAF3809756.1 CHIG|XP\_018158374.1 CVIN|KAF4896762.1 CVYL|A06678 MGRA|XP\_003849107.1 MORY|QBZ58155.1 NCRA|XP\_961704.1 SSCL|APA05918.1

>Orthogroup6634: ANID|CBF82195.1 CFRU|XP\_031880269.1 CFRU|XP\_031884981.1 CHIG|XP\_018158715.1 CVIN|KAF4917997.1 CVIN|KAF4918023.1 CVIN|KAF4918112.1 CVYL|A00280 CVYL|A00281 CVYL|A01591 FGRM|XP\_011322453.1

>Orthogroup6635: ANID|CBF82288.1 CFRU|XP\_031879310.1 CFRU|XP\_031889876.1 CGLO|KAF3808609.1 CHIG|XP\_018161554.1 CVIN|KAF4917796.1 CVIN|KAF4926163.1 CVYL|A12370 CVYL|A13739 MORY|QBZ57657.1 MORY|QBZ58423.1

>Orthogroup6636: ANID|CBF82344.1 CFRU|XP\_031878179.1 CGLO|KAF3808482.1 CHIG|XP\_018154991.1 CHIG|XP\_018162258.1 CVIN|KAF4917728.1 CVYL|A11658 FGRM|XP\_011321647.1 FGRM|XP\_011321648.1 NCRA|XP\_011394731.1 NCRA|XP\_962852.1

>Orthogroup6637: ANID|CBF82348.1 CFRU|XP\_031883032.1 CFRU|XP\_031889840.1 CGLO|KAF3805231.1 CGLO|KAF3808182.1 CHIG|XP\_018163227.1 CVIN|KAF4918669.1 CVIN|KAF4924322.1 CVYL|A00536 CVYL|A13879 FGRM|XP\_011327860.1

>Orthogroup6638: ANID|CBF82464.1 BCIN|XP\_001559778.1 CFRU|XP\_031884414.1 CGLO|KAF3810338.1 CHIG|XP\_018158358.1 CVIN|KAF4895356.1 CVYL|A05768 FGRM|XP\_011316486.1 MGRA|XP\_003857720.1 NCRA|XP\_011395321.1 SSCL|APA09664.1

>Orthogroup6639: ANID|CBF82479.1 BCIN|XP\_024548865.1 BGRA|VCU40248.1 CFRU|XP\_031890392.1 CGLO|KAF3806716.1 CHIG|XP\_018158692.1 CVIN|KAF4919502.1 CVYL|A14024 MORY|QBZ60449.1 NCRA|XP\_011393208.1 SSCL|APA09445.1

>Orthogroup6640: ANID|CBF82484.1 BCIN|XP\_024547013.1 CFRU|XP\_031887459.1 CHIG|XP\_018161015.1 CVIN|KAF4920206.1 CVYL|A03604 FGRM|XP\_011327180.1 FGRM|XP\_011327867.1 MGRA|XP\_003847423.1 MGRA|XP\_003853546.1 SSCL|APA05888.1

>Orthogroup6641: ANID|CBF82501.1 BCIN|XP\_001559964.1 BGRA|VDB84117.1 CFRU|XP\_031884392.1 CGLO|KAF3810354.1 CHIG|XP\_018158366.1 CVYL|A05756 FGRM|XP\_011316477.1 MORY|QBZ55864.1 NCRA|XP\_964548.1 SSCL|APA09782.1

>Orthogroup6642: ANID|CBF82582.1 BCIN|XP\_024552920.1 BGRA|VCU41138.1 CFRU|XP\_031882348.1 CGLO|KAF3807532.1 CHIG|XP\_018156405.1 CVIN|KAF4928871.1 CVYL|A02951 MORY|QBZ63650.1 NCRA|XP\_960058.1 SSCL|APA07538.1

>Orthogroup6643: ANID|CBF82589.1 ANID|CBF84604.1 ANID|CBF89623.1 CFRU|XP\_031883815.1 CGLO|KAF3805691.1 CHIG|XP\_018163593.1 CVIN|KAF4920676.1 CVYL|A09857 MGRA|XP\_003848782.1 MORY|QBZ54433.1 NCRA|XP\_959842.1

>Orthogroup6644: ANID|CBF82637.1 BCIN|XP\_024548960.1 BGRA|VDB86334.1 CFRU|XP\_031889954.1 CGLO|KAF3802894.1 CHIG|XP\_018158484.1 CVIN|KAF4913036.1 CVYL|A05119 FGRM|XP\_011316408.1 NCRA|XP\_011392855.1 SSCL|APA09497.1

>Orthogroup6645: ANID|CBF82668.1 BCIN|XP\_024550720.1 CFRU|XP\_031880228.1 CGLO|KAF3809003.1 CHIG|XP\_018155846.1 CVIN|KAF4918008.1 CVYL|A01513 FGRM|XP\_011319321.1 MORY|QBZ54190.1 NCRA|XP\_960851.1 SSCL|APA11562.1

>Orthogroup6646: ANID|CBF82687.1 BCIN|XP\_024553201.1 CFRU|XP\_031891843.1 CGLO|KAF3800152.1 CHIG|XP\_018165083.1 CVIN|KAF4925860.1 CVYL|A06846 FGRM|XP\_011327694.1 MORY|QBZ60657.1 NCRA|XP\_955934.1 SSCL|APA13468.1

>Orthogroup6647: ANID|CBF82773.1 BCIN|XP\_024549673.1 CFRU|XP\_031878893.1 CGLO|KAF3807826.1 CHIG|XP\_018162990.1 CVIN|KAF4921505.1 CVYL|A00793 FGRM|XP\_011326104.1 MORY|QBZ58243.1 NCRA|XP\_956112.1 SSCL|APA05490.1

>Orthogroup6648: ANID|CBF82782.1 CFRU|XP\_031878559.1 CFRU|XP\_031878631.1 CFRU|XP\_031890078.1 CFRU|XP\_031891682.1 CGLO|KAF3798449.1 CGLO|KAF3798487.1 CGLO|KAF3798738.1 CVIN|KAF4903199.1 CVYL|A09173 CVYL|A11191

>Orthogroup6649: ANID|CBF82840.1 BCIN|XP\_024549117.1 BGRA|VCU39865.1 CFRU|XP\_031889844.1 CGLO|KAF3810547.1 CVIN|KAF4895562.1 CVYL|A13624 FGRM|XP\_011328368.1 MORY|QBZ54520.1 NCRA|XP\_959812.2 SSCL|APA08853.1

>Orthogroup6650: ANID|CBF83053.1 BCIN|XP\_001553637.2 CFRU|XP\_031875933.1 CFRU|XP\_031879970.1 CGLO|KAF3798972.1 CHIG|XP\_018151681.1 CHIG|XP\_018152844.1 CVIN|KAF4923469.1 CVYL|A07890 MGRA|XP\_003857436.1 SSCL|APA13444.1

>Orthogroup6651: ANID|CBF83164.1 BCIN|XP\_024547029.1 BCIN|XP\_024552247.1 CFRU|XP\_031876106.1 CGLO|KAF3807364.1 CHIG|XP\_018156846.1 CVIN|KAF4920060.1 CVYL|A10859 FGRM|XP\_011320798.1 FGRM|XP\_011320801.1 FGRM|XP\_011324570.1

>Orthogroup6652: ANID|CBF83192.1 BCIN|XP\_024551557.1 CFRU|XP\_031892244.1 CGLO|KAF3801377.1 CVIN|KAF4907806.1 CVYL|A07704 FGRM|XP\_011315818.1 FGRM|XP\_011320604.1 MGRA|XP\_003852800.1 MORY|QBZ66107.1 SSCL|APA14917.1

>Orthogroup6653: ANID|CBF83206.1 BCIN|XP\_024547391.1 CFRU|XP\_031888967.1 CGLO|KAF3799214.1 CHIG|XP\_018159833.1 CVIN|KAF4909312.1 CVYL|A10109 FGRM|XP\_011322477.1 MGRA|XP\_003852447.1 MORY|QBZ58583.1 NCRA|XP\_964351.2

>Orthogroup6654: ANID|CBF83289.1 BCIN|XP\_024552160.1 BGRA|VDB92708.1 CFRU|XP\_031880979.1 CGLO|KAF3809894.1 CHIG|XP\_018161481.1 CVIN|KAF4930728.1 CVYL|A01724 FGRM|XP\_011321400.1 NCRA|XP\_011394353.1 SSCL|APA13144.1

>Orthogroup6655: ANID|CBF83301.1 BCIN|XP\_001553840.2 CFRU|XP\_031878853.1 CGLO|KAF3802633.1 CHIG|XP\_018161289.1 CVIN|KAF4921639.1 CVYL|A01927 FGRM|XP\_011321450.1 MORY|QBZ65085.1 NCRA|XP\_011394273.1 SSCL|APA13263.1

>Orthogroup6656: ANID|CBF83354.1 BCIN|XP\_024553532.1 CFRU|XP\_031875903.1 CHIG|XP\_018162991.1 CVIN|KAF4921519.1 CVYL|A00802 FGRM|XP\_011326119.1 MGRA|XP\_003853110.1 MORY|QBZ58950.1 NCRA|XP\_958833.1 SSCL|APA13778.1

>Orthogroup6657: ANID|CBF83365.1 BCIN|XP\_001548329.1 CFRU|XP\_031883823.1 CGLO|KAF3805138.1 CHIG|XP\_018163377.1 CVIN|KAF4927466.1 CVYL|A06418 FGRM|XP\_011321624.1 MORY|QBZ63275.1 NCRA|XP\_956923.3 SSCL|APA06361.1

>Orthogroup6658: ANID|CBF83478.1 BCIN|XP\_001550580.2 CFRU|XP\_031882045.1 CGLO|KAF3806151.1 CHIG|XP\_018164511.1 CVIN|KAF4907014.1 CVYL|A07356 FGRM|XP\_011325026.1 MORY|QBZ60580.1 NCRA|XP\_959539.1 SSCL|APA14159.1

>Orthogroup6659: ANID|CBF83526.1 BCIN|XP\_001547602.1 CFRU|XP\_031882094.1 CGLO|KAF3806056.1 CHIG|XP\_018164625.1 CVIN|KAF4913561.1 CVYL|A07460 FGRM|XP\_011326736.1 MORY|QBZ62375.1 NCRA|XP\_959551.1 SSCL|APA14346.1

>Orthogroup6660: ANID|CBF83560.1 BCIN|XP\_024547138.1 CFRU|XP\_031881935.1 CGLO|KAF3806162.1 CHIG|XP\_018164497.1 CVIN|KAF4911583.1 CVYL|A07345 FGRM|XP\_011325039.1 NCRA|XP\_959709.2 NCRA|XP\_963965.2 SSCL|APA14044.1

>Orthogroup6661: ANID|CBF83605.1 BCIN|XP\_024552987.1 CFRU|XP\_031892421.1 CHIG|XP\_018155955.1 CVIN|KAF4922104.1 CVYL|A01325 FGRM|XP\_011318877.1 MGRA|XP\_003857530.1 MORY|QBZ62437.1 NCRA|XP\_011394670.1 SSCL|APA16219.1

>Orthogroup6662: ANID|CBF83651.1 BCIN|XP\_024546313.1 BGRA|VDB90755.1 CGLO|KAF3803476.1 CHIG|XP\_018164006.1 CVIN|KAF4926342.1 FGRM|XP\_011316866.1 MGRA|XP\_003853170.1 MORY|QBZ55349.1 NCRA|XP\_965449.2 SSCL|APA06911.1

>Orthogroup6663: ANID|CBF83790.1 BCIN|XP\_024547256.1 BGRA|VDB88991.1 CFRU|XP\_031882015.1 CGLO|KAF3806132.1 CHIG|XP\_018164531.1 CVIN|KAF4911029.1 CVYL|A07376 MORY|QBZ62310.1 NCRA|XP\_959892.1 SSCL|APA14210.1

>Orthogroup6664: ANID|CBF83815.1 BCIN|XP\_024551571.1 BGRA|VDB89695.1 CFRU|XP\_031890756.1 CGLO|KAF3801669.1 CHIG|XP\_018151447.1 CVIN|KAF4921209.1 CVYL|A12466 FGRM|XP\_011328480.1 NCRA|XP\_957571.1 SSCL|APA14897.1

>Orthogroup6665: ANID|CBF83853.1 BCIN|XP\_024547572.1 CFRU|XP\_031887115.1 CGLO|KAF3811306.1 CHIG|XP\_018160530.1 CVIN|KAF4927203.1 CVYL|A04484 FGRM|XP\_011326462.1 MORY|QBZ58006.1 NCRA|XP\_956754.2 SSCL|APA07847.1

>Orthogroup6666: ANID|CBF83858.1 BCIN|XP\_001551384.1 CFRU|XP\_031883086.1 CGLO|KAF3800703.1 CHIG|XP\_018163256.1 CVIN|KAF4924277.1 CVYL|A00501 FGRM|XP\_011326238.1 MORY|QBZ63126.1 NCRA|XP\_957731.1 SSCL|APA10387.1

>Orthogroup6667: ANID|CBF83879.1 BCIN|XP\_024552740.1 CFRU|XP\_031889250.1 CGLO|KAF3808713.1 CHIG|XP\_018155574.1 CVIN|KAF4929560.1 CVYL|A00947 FGRM|XP\_011319161.1 MGRA|XP\_003856405.1 MORY|QBZ60164.1 SSCL|APA07478.1

>Orthogroup6668: ANID|CBF83886.1 BCIN|XP\_024546087.1 CFRU|XP\_031890684.1 CGLO|KAF3804838.1 CHIG|XP\_018164335.1 CVIN|KAF4929783.1 CVYL|A12235 MGRA|XP\_003857191.1 MORY|QBZ63626.1 NCRA|XP\_963737.1 SSCL|APA06605.1

>Orthogroup6669: ANID|CBF83937.1 BCIN|XP\_024546870.1 CFRU|XP\_031885314.1 CGLO|KAF3806534.1 CHIG|XP\_018157572.1 CVIN|KAF4921317.1 CVYL|A09336 FGRM|XP\_011328056.1 MORY|QBZ56286.1 NCRA|XP\_957890.3 SSCL|APA05924.1

>Orthogroup6670: ANID|CBF83979.1 CFRU|XP\_031875721.1 CFRU|XP\_031876062.1 CGLO|KAF3798150.1 CGLO|KAF3801995.1 CHIG|XP\_018159435.1 CVIN|KAF4919123.1 CVIN|KAF4919757.1 CVYL|A02426 CVYL|A04963 CVYL|A04964

>Orthogroup6671: ANID|CBF84046.1 BCIN|XP\_001547598.2 CFRU|XP\_031882112.1 CHIG|XP\_018164572.1 CVIN|KAF4902330.1 CVYL|A07412 FGRM|XP\_011325008.1 MGRA|XP\_003848273.1 MORY|QBZ64932.1 NCRA|XP\_011395319.1 SSCL|APA14350.1

>Orthogroup6672: ANID|CBF84108.1 BCIN|XP\_024551379.1 CFRU|XP\_031878430.1 CGLO|KAF3802646.1 CHIG|XP\_018162515.1 CVIN|KAF4932008.1 CVYL|A07149 FGRM|XP\_011326969.1 MORY|QBZ55674.1 NCRA|XP\_956153.3 SSCL|APA10606.1

>Orthogroup6673: ANID|CBF84149.1 BCIN|XP\_001554528.1 CFRU|XP\_031888594.1 CHIG|XP\_018163840.1 CVIN|KAF4920368.1 CVYL|A14555 FGRM|XP\_011318187.1 MGRA|XP\_003851716.1 MORY|QBZ54725.1 NCRA|XP\_965264.2 SSCL|APA11863.1

>Orthogroup6674: ANID|CBF84212.1 BCIN|XP\_024552509.1 BGRA|VDB88300.1 CFRU|XP\_031879504.1 CHIG|XP\_018154723.1 CVIN|KAF4918222.1 CVYL|A13569 FGRM|XP\_011315974.1 MLAR|XP\_007413122.1 NCRA|XP\_956852.1 SSCL|APA08486.1

>Orthogroup6675: ANID|CBF84263.1 BCIN|XP\_001549751.1 CFRU|XP\_031890250.1 CGLO|KAF3798711.1 CHIG|XP\_018151282.1 CVIN|KAF4910260.1 CVYL|A09201 FGRM|XP\_011323742.1 MORY|QBZ58903.1 NCRA|XP\_961861.2 SSCL|APA13888.1

>Orthogroup6676: ANID|CBF84278.1 CFRU|XP\_031884807.1 CFRU|XP\_031890768.1 CGLO|KAF3801056.1 CGLO|KAF3801523.1 CHIG|XP\_018153270.1 CVIN|KAF4918125.1 CVYL|A00311 FGRM|XP\_011315825.1 FGRM|XP\_011319527.1 FGRM|XP\_011325392.1

>Orthogroup6677: ANID|CBF84758.1 BCIN|XP\_024548349.1 BGRA|VDB93877.1 BGRA|VDB93878.1 CFRU|XP\_031876506.1 CHIG|XP\_018153684.1 FGRM|XP\_011317167.1 MGRA|XP\_003856487.1 MORY|QBZ63950.1 NCRA|XP\_965367.1 SSCL|APA12609.1

>Orthogroup6678: ANID|CBF84793.1 BCIN|XP\_024548983.1 CFRU|XP\_031886610.1 CGLO|KAF3798909.1 CHIG|XP\_018158583.1 CVIN|KAF4917514.1 FGRM|XP\_011328441.1 MGRA|XP\_003852633.1 MORY|QBZ60492.1 NCRA|XP\_011392967.1 SSCL|APA09366.1

>Orthogroup6679: ANID|CBF84810.1 BCIN|XP\_024546398.1 BGRA|VDB95025.1 CFRU|XP\_031885729.1 CHIG|XP\_018157814.1 CVIN|KAF4929127.1 CVYL|A02788 FGRM|XP\_011320379.1 MGRA|XP\_003855518.1 NCRA|XP\_011394901.1 SSCL|APA07212.1

>Orthogroup6680: ANID|CBF84857.1 BCIN|XP\_001556221.1 CFRU|XP\_031890345.1 CGLO|KAF3804885.1 CHIG|XP\_018164383.1 CVIN|KAF4921168.1 CVYL|A12178 FGRM|XP\_011316269.1 MORY|QBZ56478.1 NCRA|XP\_964687.1 SSCL|APA08982.1

>Orthogroup6681: ANID|CBF84884.1 BCIN|XP\_001553814.1 CFRU|XP\_031884832.1 CGLO|KAF3812221.1 CHIG|XP\_018153443.1 CVIN|KAF4920985.1 CVYL|A00165 FGRM|XP\_011316060.1 MLAR|XP\_007404335.1 MORY|QBZ55285.1 NCRA|XP\_958903.1

>Orthogroup6682: ANID|CBF84895.1 BCIN|XP\_001553812.2 CFRU|XP\_031884703.1 CGLO|KAF3812223.1 CHIG|XP\_018153445.1 CVIN|KAF4920987.1 CVYL|A00163 MGRA|XP\_003856919.1 MORY|QBZ55283.1 NCRA|XP\_958901.2 SSCL|APA05913.1

>Orthogroup6683: ANID|CBF84936.1 BCIN|XP\_001550949.1 CFRU|XP\_031888236.1 CGLO|KAF3803470.1 CHIG|XP\_018164000.1 CVIN|KAF4926319.1 CVYL|A14400 FGRM|XP\_011326477.1 MORY|QBZ63498.1 NCRA|XP\_958484.1 SSCL|APA07142.1

>Orthogroup6684: ANID|CBF84943.1 BCIN|XP\_024546316.1 CFRU|XP\_031888454.1 CGLO|KAF3803482.1 CHIG|XP\_018164012.1 CVIN|KAF4926344.1 CVYL|A14411 FGRM|XP\_011316987.1 MORY|QBZ55342.1 NCRA|XP\_965455.1 SSCL|APA06905.1

>Orthogroup6685: ANID|CBF84978.1 BCIN|XP\_024548979.1 BGRA|VDB83892.1 CFRU|XP\_031886681.1 CGLO|KAF3807493.1 CHIG|XP\_018158739.1 CVYL|A05015 FGRM|XP\_011328341.1 MORY|QBZ60413.1 NCRA|XP\_965321.2 SSCL|APA09563.1

>Orthogroup6686: ANID|CBF85007.1 BCIN|XP\_024548797.1 BGRA|VCU41376.1 CFRU|XP\_031890357.1 CHIG|XP\_018158654.1 CVIN|KAF4925952.1 CVYL|A13988 FGRM|XP\_011323378.1 MORY|QBZ62566.1 NCRA|XP\_964600.2 SSCL|APA09655.1

>Orthogroup6687: ANID|CBF85042.1 BCIN|XP\_024553245.1 CFRU|XP\_031892328.1 CHIG|XP\_018153493.1 CVIN|KAF4919927.1 CVYL|A00115 FGRM|XP\_011316083.1 MGRA|XP\_003857113.1 MORY|QBZ55268.1 NCRA|XP\_011392870.1 SSCL|APA13596.1

>Orthogroup6688: ANID|CBF85120.1 BCIN|XP\_024546153.1 CFRU|XP\_031879816.1 CGLO|KAF3802979.1 CHIG|XP\_018153634.1 CVIN|KAF4929904.1 CVYL|A00411 FGRM|XP\_011316934.1 MORY|QBZ63615.1 NCRA|XP\_963744.1 SSCL|APA07074.1

>Orthogroup6689: ANID|CBF85132.1 BCIN|XP\_024547606.1 CFRU|XP\_031886409.1 CGLO|KAF3806244.1 CHIG|XP\_018162082.1 CVIN|KAF4931540.1 CVYL|A11834 FGRM|XP\_011320052.1 FGRM|XP\_011320860.1 FGRM|XP\_011324028.1 MORY|QBZ61487.1

>Orthogroup6690: ANID|CBF85134.1 BCIN|XP\_001556376.1 CFRU|XP\_031876828.1 CGLO|KAF3797952.1 CVIN|KAF4914936.1 CVYL|A11248 FGRM|XP\_011321872.1 MGRA|XP\_003854224.1 MORY|QBZ58721.1 NCRA|XP\_958359.1 SSCL|APA08711.1

>Orthogroup6691: ANID|CBF85336.1 BCIN|XP\_001560584.1 BCIN|XP\_024551009.1 BGRA|VDB92873.1 CFRU|XP\_031889751.1 CGLO|KAF3810473.1 CHIG|XP\_018159149.1 CVIN|KAF4924667.1 MGRA|XP\_003857280.1 SSCL|APA07902.1 SSCL|APA11918.1

>Orthogroup6692: ANID|CBF85364.1 BCIN|XP\_001560307.2 BGRA|VCU39962.1 CFRU|XP\_031889857.1 CGLO|KAF3810430.1 CHIG|XP\_018159184.1 CVIN|KAF4924661.1 CVYL|A13734 MORY|QBZ60529.1 NCRA|XP\_011395226.1 SSCL|APA08826.1

>Orthogroup6693: ANID|CBF85402.1 CFRU|XP\_031888510.1 CGLO|KAF3797797.1 CHIG|XP\_018156463.1 CVIN|KAF4923137.1 CVYL|A03024 FGRM|XP\_011318571.1 MGRA|XP\_003851330.1 MGRA|XP\_003852452.1 MORY|QBZ56832.1 NCRA|XP\_001727958.1

>Orthogroup6694: ANID|CBF85422.1 BCIN|XP\_001545763.1 CFRU|XP\_031877501.1 CGLO|KAF3798418.1 CHIG|XP\_018161244.1 CVIN|KAF4920027.1 CVYL|A11217 FGRM|XP\_011323848.1 MGRA|XP\_003856159.1 NCRA|XP\_959748.1 SSCL|APA16198.1

>Orthogroup6695: ANID|CBF85460.1 BCIN|XP\_001556475.1 CFRU|XP\_031885290.1 CGLO|KAF3807789.1 CHIG|XP\_018163005.1 CVIN|KAF4921513.1 CVYL|A00813 FGRM|XP\_011319572.1 MGRA|XP\_003851283.1 NCRA|XP\_963958.1 SSCL|APA06538.1

>Orthogroup6696: ANID|CBF85541.1 BCIN|XP\_001549643.1 CFRU|XP\_031889218.1 CHIG|XP\_018155637.1 CVIN|KAF4929587.1 CVYL|A00924 FGRM|XP\_011318079.1 MGRA|XP\_003857463.1 MORY|QBZ65002.1 NCRA|XP\_960206.1 SSCL|APA11434.1

>Orthogroup6697: ANID|CBF85648.1 BCIN|XP\_001550247.1 BGRA|VDB92706.1 CFRU|XP\_031877164.1 CGLO|KAF3803991.1 CHIG|XP\_018150945.1 CVIN|KAF4925204.1 CVYL|A08809 FGRM|XP\_011321710.1 MGRA|XP\_003852775.1 SSCL|APA13029.1

>Orthogroup6698: ANID|CBF85767.1 BCIN|XP\_001545935.2 CFRU|XP\_031889178.1 CHIG|XP\_018155633.1 CVIN|KAF4929583.1 CVYL|A00920 FGRM|XP\_011325080.1 MGRA|XP\_003852973.1 MORY|QBZ64465.1 NCRA|XP\_960168.1 SSCL|APA08433.1

>Orthogroup6699: ANID|CBF85781.1 BCIN|XP\_001558309.2 CFRU|XP\_031882649.1 CGLO|KAF3799394.1 CVIN|KAF4899303.1 CVYL|A13256 FGRM|XP\_011324619.1 MGRA|XP\_003852237.1 MORY|QBZ53999.1 NCRA|XP\_956613.2 SSCL|APA13692.1

>Orthogroup6700: ANID|CBF85797.1 BCIN|XP\_001554784.1 CFRU|XP\_031885735.1 CGLO|KAF3810198.1 CHIG|XP\_018157820.1 CVIN|KAF4929136.1 CVYL|A02793 FGRM|XP\_011319962.1 MORY|QBZ59273.1 NCRA|XP\_957632.1 SSCL|APA15502.1

>Orthogroup6701: ANID|CBF85870.1 BCIN|XP\_001553088.1 CFRU|XP\_031882499.1 CGLO|KAF3807618.1 CHIG|XP\_018156315.1 CVIN|KAF4921411.1 CVYL|A03135 MLAR|XP\_007403722.1 MORY|QBZ54548.1 NCRA|XP\_011394667.1 SSCL|APA16119.1

>Orthogroup6702: ANID|CBF85872.1 BCIN|XP\_024548459.1 CFRU|XP\_031892569.1 CGLO|KAF3809154.1 CHIG|XP\_018155974.1 CVIN|KAF4919823.1 CVYL|A01340 FGRM|XP\_011318808.1 MGRA|XP\_003853019.1 NCRA|XP\_958856.2 SSCL|APA12216.1

>Orthogroup6703: ANID|CBF85876.1 BCIN|XP\_001550649.2 CFRU|XP\_031877253.1 CHIG|XP\_018163152.1 CVIN|KAF4908884.1 CVYL|A02470 FGRM|XP\_011319485.1 MGRA|XP\_003849923.1 MORY|QBZ62497.1 NCRA|XP\_963853.1 SSCL|APA09355.1

>Orthogroup6704: ANID|CBF85951.1 BCIN|XP\_001546237.1 BGRA|VDB93049.1 CFRU|XP\_031881748.1 CGLO|KAF3800695.1 CHIG|XP\_018157659.1 CVYL|A13024 FGRM|XP\_011325663.1 MORY|QBZ61258.1 NCRA|XP\_011393709.1 SSCL|APA12543.1

>Orthogroup6705: ANID|CBF86017.1 CFRU|XP\_031889304.1 CGLO|KAF3803167.1 CHIG|XP\_018155508.1 CVIN|KAF4928347.1 CVYL|A01054 FGRM|XP\_011315665.1 FGRM|XP\_011319668.1 MLAR|XP\_007415469.1 MORY|QBZ58123.1 NCRA|XP\_961778.1

>Orthogroup6706: ANID|CBF86097.1 BCIN|XP\_024549973.1 CFRU|XP\_031885014.1 CGLO|KAF3800308.1 CHIG|XP\_018162812.1 CVYL|A06918 FGRM|XP\_011326424.1 MGRA|XP\_003853810.1 MORY|QBZ63246.1 NCRA|XP\_957846.3 SSCL|APA05306.1

>Orthogroup6707: ANID|CBF86212.1 BCIN|XP\_001547528.1 CFRU|XP\_031889296.1 CGLO|KAF3808705.1 CHIG|XP\_018155569.1 CVIN|KAF4929626.1 CVYL|A00968 FGRM|XP\_011321022.1 MGRA|XP\_003847434.1 MGRA|XP\_003849591.1 MORY|QBZ66650.1

>Orthogroup6708: ANID|CBF86332.1 BCIN|XP\_024552258.1 CFRU|XP\_031882599.1 CGLO|KAF3803923.1 CHIG|XP\_018151021.1 CVIN|KAF4925478.1 CVYL|A08879 FGRM|XP\_011327878.1 MORY|QBZ56221.1 NCRA|XP\_962636.3 SSCL|APA13105.1

>Orthogroup6709: ANID|CBF86338.1 BCIN|XP\_024551984.1 CFRU|XP\_031887639.1 CGLO|KAF3803265.1 CHIG|XP\_018161133.1 CVIN|KAF4928697.1 CVYL|A03700 FGRM|XP\_011327961.1 MORY|QBZ58357.1 NCRA|XP\_958251.1 SSCL|APA12676.1

>Orthogroup6710: ANID|CBF86409.1 BCIN|XP\_001549176.1 BCIN|XP\_024551337.1 CFRU|XP\_031879548.1 CGLO|KAF3802729.1 CHIG|XP\_018159934.1 CVIN|KAF4910778.1 CVYL|A08052 MGRA|XP\_003855214.1 SSCL|APA10536.1 SSCL|APA15400.1

>Orthogroup6711: ANID|CBF86471.1 BCIN|XP\_001554267.1 BGRA|VDB88933.1 CFRU|XP\_031881946.1 CHIG|XP\_018164640.1 CVIN|KAF4917823.1 CVYL|A07495 FGRM|XP\_011325014.1 MORY|QBZ62350.1 NCRA|XP\_959226.1 SSCL|APA14367.1

>Orthogroup6712: ANID|CBF86513.1 BCIN|XP\_024547598.1 BGRA|VDB85926.1 CFRU|XP\_031886458.1 CHIG|XP\_018162149.1 CVIN|KAF4923972.1 CVYL|A11907 FGRM|XP\_011326598.1 MORY|QBZ61576.1 NCRA|XP\_957298.1 SSCL|APA07807.1

>Orthogroup6713: ANID|CBF86557.1 BCIN|XP\_024551218.1 CFRU|XP\_031886662.1 CGLO|KAF3801199.1 CHIG|XP\_018162498.1 CVIN|KAF4932103.1 CVYL|A07135 FGRM|XP\_011324113.1 MORY|QBZ56500.1 NCRA|XP\_011393986.1 SSCL|APA10131.1

>Orthogroup6714: ANID|CBF86564.1 BCIN|XP\_001559308.1 CFRU|XP\_031886520.1 CGLO|KAF3806362.1 CHIG|XP\_018162230.1 FGRM|XP\_011326588.1 MGRA|XP\_003850033.1 MLAR|XP\_007406134.1 MORY|QBZ59292.1 NCRA|XP\_959018.2 SSCL|APA07852.1

>Orthogroup6715: ANID|CBF86634.1 BCIN|XP\_001547034.2 BCIN|XP\_001550384.1 CFRU|XP\_031880090.1 CGLO|KAF3811820.1 CHIG|XP\_018151739.1 CVIN|KAF4924928.1 CVYL|A12823 FGRM|XP\_011319505.1 SSCL|APA10071.1 SSCL|APA15553.1

>Orthogroup6716: ANID|CBF86680.1 BCIN|XP\_001548782.1 CFRU|XP\_031889889.1 CGLO|KAF3805965.1 CHIG|XP\_018158992.1 CVIN|KAF4917812.1 CVYL|A13757 FGRM|XP\_011328372.1 MORY|QBZ54504.1 NCRA|XP\_959805.1 SSCL|APA13323.1

>Orthogroup6717: ANID|CBF86689.1 BCIN|XP\_024547286.1 CFRU|XP\_031882019.1 CGLO|KAF3806113.1 CHIG|XP\_018164552.1 CVIN|KAF4911025.1 CVYL|A07400 FGRM|XP\_011319035.1 MORY|QBZ64887.1 SSCL|APA08972.1 SSCL|APA14245.1

>Orthogroup6718: ANID|CBF86706.1 CFRU|XP\_031875675.1 CFRU|XP\_031881897.1 CGLO|KAF3797652.1 CGLO|KAF3800667.1 CHIG|XP\_018155425.1 CVIN|KAF4919383.1 CVIN|KAF4922029.1 CVYL|A01117 CVYL|A13050 FGRM|XP\_011322247.1

>Orthogroup6719: ANID|CBF86989.1 BCIN|XP\_024552939.1 CFRU|XP\_031876207.1 CFRU|XP\_031876304.1 CFRU|XP\_031892574.1 CGLO|KAF3809159.1 CHIG|XP\_018155981.1 CVIN|KAF4919812.1 FGRM|XP\_011318975.1 NCRA|XP\_958675.2 SSCL|APA07554.1

>Orthogroup6720: ANID|CBF86998.1 CFRU|XP\_031889157.1 CHIG|XP\_018155688.1 CVIN|KAF4906813.1 CVYL|A00868 FGRM|XP\_011319347.1 MGRA|XP\_003855934.1 MLAR|XP\_007405451.1 MORY|QBZ64622.1 NCRA|XP\_961424.2 SSCL|APA11537.1

>Orthogroup6721: ANID|CBF87100.1 BCIN|XP\_001549316.1 CFRU|XP\_031892913.1 CGLO|KAF3808132.1 CHIG|XP\_018152825.1 CVIN|KAF4909734.1 CVYL|A08104 FGRM|XP\_011322663.1 MGRA|XP\_003849715.1 MORY|QBZ53557.1 SSCL|APA12117.1

>Orthogroup6722: ANID|CBF87137.1 BCIN|XP\_024551631.1 CFRU|XP\_031884057.1 CGLO|KAF3804989.1 CHIG|XP\_018163529.1 CVYL|A06561 FGRM|XP\_011327121.1 MGRA|XP\_003854358.1 MORY|QBZ54141.1 NCRA|XP\_011394244.1 SSCL|APA06274.1

>Orthogroup6723: ANID|CBF87177.1 BCIN|XP\_001555814.2 CFRU|XP\_031880899.1 CGLO|KAF3806986.1 CHIG|XP\_018154130.1 CVIN|KAF4918770.1 CVYL|A06280 FGRM|XP\_011320967.1 MGRA|XP\_003850213.1 MORY|QBZ63347.1 SSCL|APA07341.1

>Orthogroup6724: ANID|CBF87461.1 BCIN|XP\_001561343.1 BCIN|XP\_024552434.1 CFRU|XP\_031881023.1 CFRU|XP\_031891115.1 CGLO|KAF3809825.1 CGLO|KAF3811768.1 CVIN|KAF4922986.1 CVIN|KAF4930689.1 CVYL|A01787 CVYL|A12775

>Orthogroup6725: ANID|CBF87465.1 BCIN|XP\_001551999.1 CFRU|XP\_031892425.1 CGLO|KAF3797144.1 CHIG|XP\_018157100.1 CVIN|KAF4887036.1 CVYL|A10554 FGRM|XP\_011328560.1 MORY|QBZ65915.1 NCRA|XP\_964884.2 SSCL|APA10992.1

>Orthogroup6726: ANID|CBF87547.1 BCIN|XP\_001552299.1 CFRU|XP\_031891576.1 CGLO|KAF3797629.1 CHIG|XP\_018157421.1 CVYL|A11071 FGRM|XP\_011323025.1 MLAR|XP\_007408943.1 MORY|QBZ66343.1 NCRA|XP\_958091.1 SSCL|APA11139.1

>Orthogroup6727: ANID|CBF87657.1 BGRA|VDB85984.1 CFRU|XP\_031885409.1 CGLO|KAF3799430.1 CHIG|XP\_018152303.1 CVIN|KAF4931736.1 CVYL|A13294 FGRM|XP\_011320838.1 MORY|QBZ64791.1 MORY|QBZ65267.1 NCRA|XP\_011393546.1

>Orthogroup6728: ANID|CBF87662.1 BCIN|XP\_001557683.1 BGRA|VDB93174.1 CFRU|XP\_031885410.1 CGLO|KAF3799431.1 CHIG|XP\_018152304.1 CVIN|KAF4931735.1 FGRM|XP\_011323721.1 MORY|QBZ64792.1 NCRA|XP\_956055.1 SSCL|APA12232.1

>Orthogroup6729: ANID|CBF87664.1 BCIN|XP\_001557682.1 BGRA|VDB93173.1 CFRU|XP\_031885411.1 CGLO|KAF3799432.1 CHIG|XP\_018152305.1 FGRM|XP\_011323720.1 MGRA|XP\_003848024.1 MORY|QBZ64793.1 NCRA|XP\_956056.2 SSCL|APA12233.1

>Orthogroup6730: ANID|CBF87808.1 BCIN|XP\_001551285.1 CFRU|XP\_031891914.1 CGLO|KAF3800166.1 CHIG|XP\_018165104.1 CVIN|KAF4925794.1 CVYL|A06863 FGRM|XP\_011327320.1 MGRA|XP\_003852988.1 MORY|QBZ56179.1 SSCL|APA07565.1

>Orthogroup6731: ANID|CBF87836.1 BCIN|XP\_001558390.2 CFRU|XP\_031883901.1 CGLO|KAF3805131.1 CHIG|XP\_018163383.1 CVIN|KAF4927461.1 CVYL|A06425 FGRM|XP\_011324173.1 MORY|QBZ59510.1 NCRA|XP\_962444.1 SSCL|APA06300.1

>Orthogroup6732: ANID|CBF87851.1 CFRU|XP\_031880690.1 CFRU|XP\_031887600.1 CGLO|KAF3803262.1 CGLO|KAF3809918.1 CHIG|XP\_018161111.1 CVIN|KAF4928646.1 CVIN|KAF4930679.1 CVYL|A01704 CVYL|A03697 MGRA|XP\_003849018.1

>Orthogroup6733: ANID|CBF87863.1 BCIN|XP\_001548320.1 BGRA|VDB95030.1 CFRU|XP\_031883821.1 CGLO|KAF3805139.1 CVIN|KAF4927465.1 CVYL|A06417 FGRM|XP\_011321667.1 MORY|QBZ59392.1 NCRA|XP\_962429.1 SSCL|APA06368.1

>Orthogroup6734: ANID|CBF87881.1 BCIN|XP\_001556624.1 CFRU|XP\_031892406.1 CGLO|KAF3803064.1 CHIG|XP\_018153537.1 CVIN|KAF4919848.1 CVYL|A00074 FGRM|XP\_011316124.1 MORY|QBZ55563.1 NCRA|XP\_963723.2 SSCL|APA14764.1

>Orthogroup6735: ANID|CBF87924.1 BCIN|XP\_024551764.1 CFRU|XP\_031879854.1 CGLO|KAF3803021.1 CHIG|XP\_018153569.1 CVIN|KAF4929971.1 CVYL|A00034 FGRM|XP\_011316309.1 MORY|QBZ55443.1 NCRA|XP\_964671.1 SSCL|APA14617.1

>Orthogroup6736: ANID|CBF87928.1 BCIN|XP\_001552397.2 BGRA|VDB89717.1 CFRU|XP\_031876487.1 CGLO|KAF3796994.1 CHIG|XP\_018153692.1 CVYL|A00335 FGRM|XP\_011317126.1 MORY|QBZ63967.1 NCRA|XP\_965355.1 SSCL|APA14908.1

>Orthogroup6737: ANID|CBF87979.1 CFRU|XP\_031880765.1 CFRU|XP\_031884281.1 CFRU|XP\_031891803.1 CGLO|KAF3809759.1 CGLO|KAF3811192.1 CHIG|XP\_018164976.1 CVIN|KAF4896767.1 CVIN|KAF4931206.1 CVYL|A04356 CVYL|A06681

>Orthogroup6738: ANID|CBF87999.1 BCIN|XP\_001558482.1 CFRU|XP\_031883840.1 CGLO|KAF3805072.1 CHIG|XP\_018163445.1 CVIN|KAF4927415.1 CVYL|A06488 FGRM|XP\_011318747.1 MGRA|XP\_003856815.1 NCRA|XP\_957480.3 SSCL|APA14717.1

>Orthogroup6739: ANID|CBF88166.1 BCIN|XP\_001551977.1 CFRU|XP\_031877211.1 CGLO|KAF3806434.1 CHIG|XP\_018162320.1 CVIN|KAF4918054.1 CVYL|A12030 FGRM|XP\_011323950.1 MORY|QBZ61411.1 NCRA|XP\_962724.1 SSCL|APA10971.1

>Orthogroup6740: ANID|CBF88378.1 BCIN|XP\_001560573.1 CFRU|XP\_031888193.1 CHIG|XP\_018154238.1 CVIN|KAF4917965.1 CVYL|A03299 FGRM|XP\_011320900.1 MGRA|XP\_003853772.1 MORY|QBZ65441.1 NCRA|XP\_960768.1 SSCL|APA07896.1

>Orthogroup6741: ANID|CBF88389.1 CFRU|XP\_031890384.1 CGLO|KAF3806718.1 CGLO|KAF3810058.1 CHIG|XP\_018158694.1 CVIN|KAF4919504.1 CVYL|A14026 FGRM|XP\_011317323.1 FGRM|XP\_011317591.1 FGRM|XP\_011317607.1 NCRA|XP\_963937.1

>Orthogroup6742: ANID|CBF88433.1 BCIN|XP\_001556990.1 CFRU|XP\_031876961.1 CGLO|KAF3810719.1 CHIG|XP\_018162577.1 CVIN|KAF4908240.1 CVYL|A07234 FGRM|XP\_011323978.1 MORY|QBZ63875.1 NCRA|XP\_001728495.1 SSCL|APA10584.1

>Orthogroup6743: ANID|CBF88444.1 BCIN|XP\_001559451.1 BGRA|VDB89563.1 CFRU|XP\_031881161.1 CHIG|XP\_018154835.1 CVIN|KAF4919002.1 CVYL|A02116 FGRM|XP\_011324641.1 MORY|QBZ53954.1 NCRA|XP\_963202.2 SSCL|APA07660.1

>Orthogroup6744: ANID|CBF88465.1 BCIN|XP\_024546028.1 CFRU|XP\_031886006.1 CGLO|KAF3806551.1 CHIG|XP\_018157598.1 CVIN|KAF4920488.1 CVYL|A09318 FGRM|XP\_011327998.1 MGRA|XP\_003854591.1 MORY|QBZ56246.1 SSCL|APA07300.1

>Orthogroup6745: ANID|CBF88475.1 BCIN|XP\_024547518.1 CFRU|XP\_031878085.1 CHIG|XP\_018159347.1 CVIN|KAF4901932.1 CVYL|A02311 FGRM|XP\_011317525.1 MGRA|XP\_003855960.1 MORY|QBZ54184.1 NCRA|XP\_962647.1 SSCL|APA07687.1

>Orthogroup6746: ANID|CBF88493.1 BCIN|XP\_001548242.2 BGRA|VDB84077.1 CFRU|XP\_031890558.1 CHIG|XP\_018158641.1 CVIN|KAF4926015.1 CVYL|A13976 FGRM|XP\_011316458.1 MORY|QBZ56091.1 NCRA|XP\_964988.3 SSCL|APA09939.1

>Orthogroup6747: ANID|CBF88523.1 BCIN|XP\_001560615.1 CFRU|XP\_031885554.1 CHIG|XP\_018152291.1 CVIN|KAF4931840.1 CVYL|A13283 FGRM|XP\_011323665.1 MGRA|XP\_003855571.1 MORY|QBZ64837.1 NCRA|XP\_955833.2 SSCL|APA07927.1

>Orthogroup6748: ANID|CBF88546.1 BCIN|XP\_001548041.1 CFRU|XP\_031886597.1 CGLO|KAF3804117.1 CHIG|XP\_018162630.1 CVIN|KAF4932142.1 FGRM|XP\_011326646.1 MGRA|XP\_003855457.1 MORY|QBZ59461.1 NCRA|XP\_962860.2 SSCL|APA10511.1

>Orthogroup6749: ANID|CBF88607.1 BCIN|XP\_001559493.2 BGRA|VDB90360.1 CFRU|XP\_031886156.1 CGLO|KAF3801143.1 CHIG|XP\_018155221.1 CVIN|KAF4930375.1 CVYL|A05706 FGRM|XP\_011317458.1 MORY|QBZ60908.1 SSCL|APA16000.1

>Orthogroup6750: ANID|CBF88621.1 BCIN|XP\_001547361.1 BGRA|VDB93992.1 CFRU|XP\_031890004.1 CHIG|XP\_018151262.1 CVIN|KAF4896323.1 CVYL|A09179 FGRM|XP\_011328073.1 MLAR|XP\_007409968.1 NCRA|XP\_962113.1 SSCL|APA09099.1

>Orthogroup6751: ANID|CBF88668.1 BCIN|XP\_001560398.1 BGRA|VDB86105.1 CFRU|XP\_031880362.1 CGLO|KAF3807338.1 CHIG|XP\_018156901.1 CVIN|KAF4920080.1 CVYL|A10817 FGRM|XP\_011325072.1 NCRA|XP\_965759.1 SSCL|APA08778.1

>Orthogroup6752: ANID|CBF88745.1 BCIN|XP\_024548614.1 BGRA|VDB91209.1 CFRU|XP\_031889983.1 CGLO|KAF3802932.1 CHIG|XP\_018158533.1 CVIN|KAF4925589.1 CVYL|A05086 MORY|QBZ55985.1 MORY|QBZ66595.1 SSCL|APA09830.1

>Orthogroup6753: ANID|CBF88822.1 BCIN|XP\_024551120.1 BGRA|VDB89529.1 CFRU|XP\_031888113.1 CHIG|XP\_018154400.1 CVIN|KAF4924416.1 CVYL|A10651 FGRM|XP\_011319767.1 MORY|QBZ65775.1 NCRA|XP\_964113.3 SSCL|APA12068.1

>Orthogroup6754: ANID|CBF88909.1 BCIN|XP\_001558592.2 BGRA|VDB83623.1 CFRU|XP\_031887589.1 CHIG|XP\_018160923.1 CVIN|KAF4921453.1 FGRM|XP\_011323588.1 MGRA|XP\_003851581.1 MORY|QBZ56607.1 NCRA|XP\_962661.1 SSCL|APA05707.1

>Orthogroup6755: ANID|CBF88918.1 BCIN|XP\_024551862.1 CFRU|XP\_031885425.1 CGLO|KAF3806492.1 CVIN|KAF4919441.1 CVYL|A09376 FGRM|XP\_011328144.1 MGRA|XP\_003851448.1 MORY|QBZ56572.1 NCRA|XP\_961792.2 SSCL|APA05407.1

>Orthogroup6756: ANID|CBF88970.1 BCIN|XP\_001551315.1 CFRU|XP\_031893463.1 CGLO|KAF3809582.1 CHIG|XP\_018152608.1 CVIN|KAF4919199.1 CVYL|A08449 FGRM|XP\_011317896.1 MGRA|XP\_003857201.1 NCRA|XP\_001728336.2 SSCL|APA07589.1

>Orthogroup6757: ANID|CBF89018.1 BCIN|XP\_024546978.1 CFRU|XP\_031881730.1 CGLO|KAF3800661.1 CHIG|XP\_018152033.1 CHIG|XP\_018163576.1 CVIN|KAF4922032.1 CVYL|A13056 FGRM|XP\_011317232.1 MORY|QBZ60332.1 SSCL|APA05954.1

>Orthogroup6758: ANID|CBF89090.1 BCIN|XP\_001554222.1 CFRU|XP\_031886471.1 CHIG|XP\_018162221.1 CVIN|KAF4923263.1 CVYL|A11959 FGRM|XP\_011324057.1 MGRA|XP\_003854872.1 MORY|QBZ55734.1 NCRA|XP\_011393819.1 SSCL|APA10156.1

>Orthogroup6759: ANID|CBF89110.1 BCIN|XP\_024547741.1 CFRU|XP\_031881157.1 CGLO|KAF3802531.1 CHIG|XP\_018154831.1 CVIN|KAF4921833.1 CVYL|A02127 FGRM|XP\_011324645.1 MORY|QBZ53950.1 NCRA|XP\_963221.2 SSCL|APA07991.1

>Orthogroup6760: ANID|CBF89194.1 BCIN|XP\_024552165.1 CFRU|XP\_031878627.1 CGLO|KAF3798499.1 CHIG|XP\_018161216.1 CVIN|KAF4917483.1 CVYL|A03825 FGRM|XP\_011327971.1 MORY|QBZ57216.1 NCRA|XP\_011394269.1 SSCL|APA13090.1

>Orthogroup6761: ANID|CBF89399.1 BCIN|XP\_024548593.1 CFRU|XP\_031878003.1 CGLO|KAF3799598.1 CHIG|XP\_018154591.1 CVIN|KAF4926463.1 CVYL|A13459 FGRM|XP\_011325551.1 MGRA|XP\_003857690.1 MORY|QBZ53985.1 SSCL|APA09798.1

>Orthogroup6762: ANID|CBF89408.1 CFRU|XP\_031886071.1 CFRU|XP\_031890906.1 CGLO|KAF3801506.1 CGLO|KAF3805471.1 CHIG|XP\_018162205.1 CVIN|KAF4897796.1 CVIN|KAF4897799.1 CVIN|KAF4916391.1 CVYL|A05601 CVYL|A12625

>Orthogroup6763: ANID|CBF89449.1 BCIN|XP\_024546596.1 CFRU|XP\_031885561.1 CGLO|KAF3810157.1 CHIG|XP\_018157991.1 CVIN|KAF4929160.1 CVYL|A02747 FGRM|XP\_011320372.1 MORY|QBZ62634.1 NCRA|XP\_960367.1 SSCL|APA06423.1

>Orthogroup6764: ANID|CBF89527.1 BCIN|XP\_001549065.1 CFRU|XP\_031890581.1 CHIG|XP\_018158707.1 CVIN|KAF4919492.1 CVYL|A14040 FGRM|XP\_011317338.1 MGRA|XP\_003853875.1 MORY|QBZ60460.1 NCRA|XP\_965282.1 SSCL|APA09866.1

>Orthogroup6765: ANID|CBF89617.1 BCIN|XP\_024546668.1 CFRU|XP\_031888544.1 CGLO|KAF3809745.1 CHIG|XP\_018164141.1 CVIN|KAF4922281.1 CVYL|A14488 FGRM|XP\_011318098.1 MGRA|XP\_003850787.1 MORY|QBZ63837.1 SSCL|APA06507.1

>Orthogroup6766: ANID|CBF89683.1 BCIN|XP\_001552190.2 CFRU|XP\_031885501.1 CGLO|KAF3799556.1 CHIG|XP\_018154549.1 CVIN|KAF4931745.1 CVYL|A13416 FGRM|XP\_011324899.1 MORY|QBZ61052.1 NCRA|XP\_963468.1 SSCL|APA05580.1

>Orthogroup6767: ANID|CBF89740.1 BCIN|XP\_024546857.1 CFRU|XP\_031882542.1 CGLO|KAF3800493.1 CHIG|XP\_018152268.1 CVIN|KAF4916334.1 CVYL|A13220 FGRM|XP\_011316332.1 MORY|QBZ54017.1 NCRA|XP\_957173.2 SSCL|APA06030.1

>Orthogroup6768: ANID|CBF89746.1 BCIN|XP\_001561419.1 CFRU|XP\_031882926.1 CGLO|KAF3812065.1 CHIG|XP\_018164177.1 CVIN|KAF4923668.1 CVYL|A14232 FGRM|XP\_011326787.1 MORY|QBZ56482.1 NCRA|XP\_964682.1 SSCL|APA06923.1

>Orthogroup6769: ANID|CBF89755.1 BCIN|XP\_024546629.1 BGRA|VDB90763.1 CFRU|XP\_031892386.1 CHIG|XP\_018153515.1 CVIN|KAF4919867.1 CVYL|A00094 FGRM|XP\_011316103.1 MLAR|XP\_007406569.1 NCRA|XP\_965134.2 SSCL|APA06464.1

>Orthogroup6770: ANID|CBF89769.1 BCIN|XP\_024549430.1 CFRU|XP\_031888406.1 CGLO|KAF3803684.1 CHIG|XP\_018163769.1 CVIN|KAF4928534.1 CVYL|A14615 FGRM|XP\_011316028.1 MORY|QBZ55998.1 NCRA|XP\_011393212.1 SSCL|APA09245.1

>Orthogroup6771: ANID|CBF89773.1 BCIN|XP\_024550692.1 CFRU|XP\_031880984.1 CGLO|KAF3800452.1 CHIG|XP\_018161381.1 CVIN|KAF4902818.1 CVYL|A01837 FGRM|XP\_011316284.1 FGRM|XP\_011319667.1 MGRA|XP\_003851308.1 SSCL|APA11519.1

>Orthogroup6772: ANID|CBF89793.1 BCIN|XP\_024546391.1 BGRA|VDB91127.1 CFRU|XP\_031890412.1 CGLO|KAF3804794.1 CHIG|XP\_018164288.1 CVIN|KAF4929806.1 CVYL|A12279 MORY|QBZ55356.1 NCRA|XP\_964022.1 SSCL|APA07208.1

>Orthogroup6773: ANID|CBF89808.1 BCIN|XP\_001556927.2 CFRU|XP\_031886763.1 CGLO|KAF3804108.1 CHIG|XP\_018162645.1 CVIN|KAF4932132.1 CVYL|A07073 FGRM|XP\_011326718.1 MORY|QBZ55629.1 NCRA|XP\_957208.2 SSCL|APA10539.1

>Orthogroup6774: ANID|CBF89824.1 BCIN|XP\_001557435.1 CFRU|XP\_031893290.1 CGLO|KAF3799107.1 CHIG|XP\_018152343.1 CVIN|KAF4908263.1 CVYL|A09449 FGRM|XP\_011317764.1 MORY|QBZ54225.1 NCRA|XP\_961398.1 SSCL|APA10666.1

>Orthogroup6775: ANID|CBF89837.1 BCIN|XP\_024551369.1 CGLO|KAF3806481.1 CGLO|KAF3806482.1 CHIG|XP\_018159695.1 CHIG|XP\_018162378.1 FGRM|XP\_011323906.1 MGRA|XP\_003853042.1 MORY|QBZ61504.1 NCRA|XP\_957127.1 SSCL|APA10491.1

>Orthogroup6776: ANID|CBF89841.1 BCIN|XP\_024546382.1 BGRA|VDB90852.1 CFRU|XP\_031882819.1 CGLO|KAF3803369.1 CHIG|XP\_018163963.1 CVYL|A14292 FGRM|XP\_011316639.1 MLAR|XP\_007404234.1 NCRA|XP\_001728014.1 SSCL|APA06593.1

>Orthogroup6777: ANID|CBF89859.1 BCIN|XP\_001557403.1 CFRU|XP\_031893291.1 CHIG|XP\_018154432.1 CVIN|KAF4908265.1 FGRM|XP\_011317767.1 MGRA|XP\_003849224.1 MLAR|XP\_007409052.1 MORY|QBZ54220.1 NCRA|XP\_961403.1 SSCL|APA10673.1

>Orthogroup6778: ANID|CBF89950.1 BCIN|XP\_024551961.1 CFRU|XP\_031881519.1 CGLO|KAF3805767.1 CHIG|XP\_018163653.1 CVIN|KAF4926563.1 CVYL|A06049 MGRA|XP\_003849489.1 MGRA|XP\_003856196.1 MLAR|XP\_007414515.1 NCRA|XP\_959981.1

>Orthogroup6779: ANID|CBF90004.1 BCIN|XP\_001558138.1 CFRU|XP\_031876698.1 CGLO|KAF3798701.1 CHIG|XP\_018157453.1 CVIN|KAF4918467.1 FGRM|XP\_011321345.1 MGRA|XP\_003849426.1 MORY|QBZ57158.1 NCRA|XP\_962700.1 SSCL|APA12981.1

>Orthogroup6780: ANID|CBF90094.1 BCIN|XP\_024549317.1 CFRU|XP\_031880330.1 CGLO|KAF3808966.1 CHIG|XP\_018158228.1 CVIN|KAF4920869.1 CVIN|KAF4920870.1 FGRM|XP\_011320472.1 MGRA|XP\_003851619.1 MORY|QBZ64963.1 NCRA|XP\_011395325.1

>Orthogroup6781: ANID|CBF90210.1 BCIN|XP\_001551972.1 CFRU|XP\_031878224.1 CGLO|KAF3808498.1 CHIG|XP\_018161956.1 CVIN|KAF4917732.1 CVYL|A11641 FGRM|XP\_011318497.1 MORY|QBZ59654.1 NCRA|XP\_962880.1 SSCL|APA10962.1

>Orthogroup6782: ANID|CBF90229.1 BCIN|XP\_024550179.1 BGRA|VDB94556.1 CFRU|XP\_031891236.1 CGLO|KAF3804677.1 CHIG|XP\_018161748.1 CVIN|KAF4902797.1 CVYL|A05206 FGRM|XP\_011321530.1 NCRA|XP\_956706.1 SSCL|APA10855.1

>Orthogroup6783: ANID|CBF90254.1 BGRA|VDB94702.1 CFRU|XP\_031891275.1 CGLO|KAF3811126.1 CHIG|XP\_018160377.1 CVIN|KAF4924500.1 CVYL|A04281 FGRM|XP\_011327076.1 MGRA|XP\_003853802.1 MORY|QBZ63428.1 NCRA|XP\_961308.2

>Orthogroup6784: ANID|CBF90348.1 CFRU|XP\_031879680.1 CFRU|XP\_031892213.1 CGLO|KAF3798164.1 CGLO|KAF3800173.1 CVIN|KAF4919115.1 CVYL|A04953 FGRM|XP\_011323072.1 FGRM|XP\_011325988.1 MGRA|XP\_003857050.1 MORY|QBZ63334.1

>Orthogroup6785: ANID|CBF90358.1 BCIN|XP\_001552764.1 CFRU|XP\_031892209.1 CGLO|KAF3800170.1 CVIN|KAF4925798.1 CVYL|A06867 FGRM|XP\_011323077.1 FGRM|XP\_011325342.1 MGRA|XP\_003848791.1 MORY|QBZ63331.1 SSCL|APA07011.1

>Orthogroup6786: BCIN|XP\_024545912.1 CFRU|XP\_031882384.1 CGLO|KAF3807625.1 CHIG|XP\_018156307.1 CVIN|KAF4921394.1 CVYL|A03126 FGRM|XP\_011319014.1 MLAR|XP\_007411265.1 MORY|QBZ56664.1 NCRA|XP\_957587.2 SSCL|APA07327.1

>Orthogroup6787: BCIN|XP\_001547228.2 BGRA|VCU38926.1 CFRU|XP\_031887685.1 CGLO|KAF3811595.1 CHIG|XP\_018160863.1 CVIN|KAF4914899.1 CVYL|A03453 MGRA|XP\_003855539.1 MORY|QBZ58875.1 NCRA|XP\_962229.3 SSCL|APA07366.1

>Orthogroup6788: BCIN|XP\_001547247.1 CFRU|XP\_031888105.1 CGLO|KAF3802154.1 CHIG|XP\_018154263.1 CVIN|KAF4907214.1 CVYL|A03239 FGRM|XP\_011320069.1 MGRA|XP\_003854855.1 MORY|QBZ66284.1 NCRA|XP\_964333.2 SSCL|APA07393.1

>Orthogroup6789: BCIN|XP\_024545987.1 BGRA|VDB92874.1 CFRU|XP\_031889762.1 CGLO|KAF3805896.1 CHIG|XP\_018158898.1 CVIN|KAF4920778.1 FGRM|XP\_011316692.1 MLAR|XP\_007411826.1 MORY|QBZ64639.1 NCRA|XP\_011395191.1 SSCL|APA07436.1

>Orthogroup6790: BCIN|XP\_024546138.1 BGRA|VDB90705.1 CFRU|XP\_031888237.1 CGLO|KAF3803471.1 CHIG|XP\_018164001.1 CVIN|KAF4926320.1 CVYL|A14401 FGRM|XP\_011326663.1 MORY|QBZ63497.1 NCRA|XP\_958478.1 SSCL|APA07143.1

>Orthogroup6791: BCIN|XP\_024546172.1 BGRA|VDB90672.1 CFRU|XP\_031888364.1 CGLO|KAF3803615.1 CHIG|XP\_018163843.1 CVIN|KAF4920361.1 FGRM|XP\_011326545.1 MGRA|XP\_003855868.1 MORY|QBZ54703.1 NCRA|XP\_965263.2 SSCL|APA07057.1

>Orthogroup6792: BCIN|XP\_024546243.1 CFRU|XP\_031892660.1 CGLO|KAF3797295.1 CHIG|XP\_018157215.1 CVIN|KAF4894461.1 CVYL|A10398 FGRM|XP\_011322714.1 MGRA|XP\_003847673.1 MLAR|XP\_007406457.1 NCRA|XP\_965725.3 SSCL|APA06981.1

>Orthogroup6793: BCIN|XP\_024546341.1 BGRA|VDB95128.1 CFRU|XP\_031890792.1 CGLO|KAF3801652.1 CHIG|XP\_018151422.1 CVIN|KAF4921233.1 CVYL|A12484 FGRM|XP\_011328191.1 MORY|QBZ56066.1 NCRA|XP\_960130.3 SSCL|APA06877.1

>Orthogroup6794: BCIN|XP\_024546351.1 MGRA|XP\_003851203.1 NCRA|XP\_957087.1 NCRA|XP\_959379.1 SSCL|APA06872.1 SSCL|APA07194.1 SSCL|APA08412.1 SSCL|APA10310.1 SSCL|APA10336.1 SSCL|APA12130.1 SSCL|APA12305.1

>Orthogroup6795: BCIN|XP\_024546422.1 CFRU|XP\_031879586.1 CGLO|KAF3802685.1 CHIG|XP\_018159166.1 CVIN|KAF4920442.1 CVYL|A08010 FGRM|XP\_011327324.1 MORY|QBZ58651.1 NCRA|XP\_960002.2 NCRA|XP\_962763.1 SSCL|APA07170.1

>Orthogroup6796: BCIN|XP\_001553423.1 BCIN|XP\_001561132.1 BCIN|XP\_024550242.1 BCIN|XP\_024550243.1 CFRU|XP\_031882520.1 CGLO|KAF3807558.1 CVYL|A02925 MORY|QBZ53651.1 NCRA|XP\_957871.1 NCRA|XP\_958115.3 SSCL|APA10920.1

>Orthogroup6797: BCIN|XP\_001561082.1 BGRA|VDB95144.1 CFRU|XP\_031880853.1 CGLO|KAF3806903.1 CHIG|XP\_018159592.1 CVIN|KAF4904502.1 CVYL|A02548 FGRM|XP\_011320519.1 MORY|QBZ61732.1 NCRA|XP\_960505.1 SSCL|APA06674.1

>Orthogroup6798: BCIN|XP\_001561078.1 BGRA|VDB86121.1 CFRU|XP\_031881558.1 CGLO|KAF3807441.1 CHIG|XP\_018156786.1 CVIN|KAF4918514.1 CVYL|A10945 FGRM|XP\_011328286.1 MORY|QBZ65852.1 NCRA|XP\_965737.1 SSCL|APA06770.1

>Orthogroup6799: BCIN|XP\_001560979.2 BGRA|VCU39857.1 CFRU|XP\_031890333.1 CGLO|KAF3806700.1 CHIG|XP\_018158673.1 CVIN|KAF4925965.1 CVYL|A14005 FGRM|XP\_011315935.1 MORY|QBZ55474.1 NCRA|XP\_964102.2 SSCL|APA06703.1

>Orthogroup6800: BCIN|XP\_001555100.2 BCIN|XP\_001560936.2 CFRU|XP\_031888716.1 CFRU|XP\_031890795.1 CGLO|KAF3804177.1 CGLO|KAF3811696.1 CHIG|XP\_018151841.1 CVIN|KAF4915960.1 CVYL|A03851 CVYL|A12721 SSCL|APA09178.1

>Orthogroup6801: BCIN|XP\_024546603.1 CFRU|XP\_031892577.1 CGLO|KAF3803062.1 CHIG|XP\_018153534.1 CVIN|KAF4919847.1 CVYL|A00072 FGRM|XP\_011316126.1 MGRA|XP\_003850759.1 MLAR|XP\_007404657.1 MORY|QBZ63866.1 SSCL|APA06430.1

>Orthogroup6802: BCIN|XP\_024546617.1 BGRA|VDB90572.1 CFRU|XP\_031882837.1 CGLO|KAF3803421.1 CHIG|XP\_018163904.1 CVIN|KAF4926333.1 CVYL|A14351 FGRM|XP\_011316868.1 MORY|QBZ62784.1 NCRA|XP\_963812.2 SSCL|APA06448.1

>Orthogroup6803: BCIN|XP\_024546726.1 BGRA|VDB92517.1 CFRU|XP\_031890788.1 CGLO|KAF3801656.1 CHIG|XP\_018151428.1 CVIN|KAF4921240.1 CVYL|A12480 FGRM|XP\_011328510.1 MORY|QBZ62187.1 NCRA|XP\_960330.1 SSCL|APA06829.1

>Orthogroup6804: BCIN|XP\_001549357.2 BGRA|VCU41351.1 CFRU|XP\_031886576.1 CGLO|KAF3798910.1 CHIG|XP\_018158582.1 CVIN|KAF4917511.1 CVYL|A05043 FGRM|XP\_011328442.1 MGRA|XP\_003852697.1 NCRA|XP\_965708.3 SSCL|APA06820.1

>Orthogroup6805: BCIN|XP\_001559943.1 BCIN|XP\_024546747.1 CFRU|XP\_031889097.1 CGLO|KAF3808892.1 CHIG|XP\_018155799.1 CVYL|A01182 FGRM|XP\_011316698.1 FGRM|XP\_011321862.1 MGRA|XP\_003855987.1 NCRA|XP\_965083.2 SSCL|APA06400.1

>Orthogroup6806: BCIN|XP\_001555910.1 CFRU|XP\_031888709.1 CGLO|KAF3804174.1 CHIG|XP\_018160027.1 CVIN|KAF4918371.1 CVYL|A03848 FGRM|XP\_011324547.1 MGRA|XP\_003857676.1 MORY|QBZ64645.1 NCRA|XP\_958767.1 SSCL|APA06039.1

>Orthogroup6807: BCIN|XP\_024546965.1 BGRA|VDB93815.1 CFRU|XP\_031885350.1 CGLO|KAF3799453.1 CHIG|XP\_018154441.1 CVIN|KAF4931794.1 CVYL|A13314 FGRM|XP\_011325516.1 MORY|QBZ54367.1 NCRA|XP\_011393615.1 SSCL|APA05976.1

>Orthogroup6808: BCIN|XP\_001545221.2 BGRA|VDB93866.1 CFRU|XP\_031876503.1 CHIG|XP\_018153688.1 CVIN|KAF4884748.1 CVYL|A00365 FGRM|XP\_011317171.1 MGRA|XP\_003856088.1 MORY|QBZ63960.1 NCRA|XP\_965361.1 SSCL|APA05963.1

>Orthogroup6809: BCIN|XP\_001553833.2 BGRA|VDB93540.1 CFRU|XP\_031892819.1 CGLO|KAF3812245.1 CHIG|XP\_018153462.1 CVIN|KAF4919895.1 CVYL|A00140 FGRM|XP\_011316938.1 MORY|QBZ55258.1 NCRA|XP\_011392872.1 SSCL|APA05898.1

>Orthogroup6810: BCIN|XP\_001553824.1 BGRA|VDB93646.1 CFRU|XP\_031892648.1 CGLO|KAF3812264.1 CHIG|XP\_018153487.1 CVIN|KAF4919908.1 CVYL|A00121 FGRM|XP\_011324164.1 MORY|QBZ55274.1 NCRA|XP\_965173.1 SSCL|APA05906.1

>Orthogroup6811: BCIN|XP\_001553754.1 BGRA|VDB93907.1 CFRU|XP\_031888547.1 CGLO|KAF3803551.1 CHIG|XP\_018164136.1 CVIN|KAF4922285.1 CVYL|A14484 FGRM|XP\_011316241.1 MORY|QBZ56401.1 NCRA|XP\_964128.3 SSCL|APA06127.1

>Orthogroup6812: BCIN|XP\_024547067.1 BGRA|VCU40458.1 CFRU|XP\_031880655.1 CGLO|KAF3811149.1 CHIG|XP\_018160352.1 CVIN|KAF4931195.1 CVYL|A04309 FGRM|XP\_011327116.1 MORY|QBZ57408.1 NCRA|XP\_961006.2 SSCL|APA06144.1

>Orthogroup6813: BCIN|XP\_001546740.1 BGRA|VDB92983.1 CFRU|XP\_031879732.1 CGLO|KAF3798236.1 CHIG|XP\_018154014.1 CVIN|KAF4930176.1 CVYL|A04887 FGRM|XP\_011325602.1 MORY|QBZ61207.1 NCRA|XP\_011395249.1 SSCL|APA14025.1

>Orthogroup6814: BCIN|XP\_001552758.2 BGRA|VDB92896.1 CFRU|XP\_031879707.1 CGLO|KAF3798200.1 CHIG|XP\_018154029.1 CVIN|KAF4916818.1 CVYL|A04919 FGRM|XP\_011325599.1 MORY|QBZ61214.1 NCRA|XP\_958028.3 SSCL|APA14087.1

>Orthogroup6815: BCIN|XP\_001552717.2 BGRA|VDB92910.1 CFRU|XP\_031891984.1 CGLO|KAF3801266.1 CHIG|XP\_018164865.1 CVIN|KAF4921555.1 CVYL|A07824 FGRM|XP\_011327770.1 MORY|QBZ60688.1 NCRA|XP\_956440.1 SSCL|APA14089.1

>Orthogroup6816: BCIN|XP\_024547177.1 CFRU|XP\_031885341.1 CFRU|XP\_031885517.1 CGLO|KAF3806520.1 CHIG|XP\_018151585.1 CHIG|XP\_018157557.1 CVIN|KAF4921313.1 CVIN|KAF4921330.1 CVYL|A09350 MORY|QBZ59876.1 MORY|QBZ59878.1

>Orthogroup6817: BCIN|XP\_001546579.2 BGRA|VDB83744.1 CFRU|XP\_031877643.1 CGLO|KAF3801084.1 CHIG|XP\_018153736.1 CVIN|KAF4892460.1 CVYL|A00223 FGRM|XP\_011327807.1 MORY|QBZ60590.1 NCRA|XP\_959791.2 SSCL|APA14124.1

>Orthogroup6818: BCIN|XP\_024547277.1 BCIN|XP\_024547487.1 BCIN|XP\_024548518.1 BCIN|XP\_024549174.1 BCIN|XP\_024549969.1 BCIN|XP\_024550105.1 BCIN|XP\_024550734.1 BCIN|XP\_024551420.1 BCIN|XP\_024552404.1 SSCL|APA07169.1 SSCL|APA07915.1

>Orthogroup6819: BCIN|XP\_001551074.1 CFRU|XP\_031889032.1 CGLO|KAF3804212.1 CHIG|XP\_018154055.1 CVIN|KAF4909771.1 CVYL|A03889 FGRM|XP\_011324545.1 MGRA|XP\_003850166.1 MGRA|XP\_003850622.1 MGRA|XP\_003855174.1 SSCL|APA14266.1

>Orthogroup6820: BCIN|XP\_001546324.1 BGRA|VDB88965.1 CFRU|XP\_031881915.1 CGLO|KAF3806088.1 CHIG|XP\_018164584.1 CVIN|KAF4909967.1 CVYL|A07424 FGRM|XP\_011315986.1 MGRA|XP\_003848271.1 NCRA|XP\_011395130.1 SSCL|APA14308.1

>Orthogroup6821: BCIN|XP\_024547341.1 CFRU|XP\_031878911.1 CFRU|XP\_031879000.1 CGLO|KAF3807911.1 CGLO|KAF3807913.1 CVIN|KAF4915232.1 CVIN|KAF4915234.1 CVYL|A00706 CVYL|A00708 CVYL|A00709 MORY|QBZ64141.1

>Orthogroup6822: BCIN|XP\_024547500.1 BGRA|VDB84392.1 CFRU|XP\_031885214.1 CGLO|KAF3807666.1 CHIG|XP\_018162886.1 CVIN|KAF4927822.1 CVYL|A06775 FGRM|XP\_011326279.1 MGRA|XP\_003857359.1 NCRA|XP\_957800.2 SSCL|APA07672.1

>Orthogroup6823: BCIN|XP\_001559272.1 CFRU|XP\_031887116.1 CGLO|KAF3811307.1 CHIG|XP\_018160531.1 CVIN|KAF4927206.1 CVYL|A04485 FGRM|XP\_011326459.1 MGRA|XP\_003857373.1 MORY|QBZ58005.1 NCRA|XP\_956753.2 SSCL|APA07848.1

>Orthogroup6824: BCIN|XP\_024547575.1 BGRA|VDB86148.1 CFRU|XP\_031878228.1 CGLO|KAF3808546.1 CHIG|XP\_018161929.1 CVIN|KAF4917634.1 CVYL|A11597 FGRM|XP\_011318511.1 MLAR|XP\_007407075.1 NCRA|XP\_956992.1 SSCL|APA07842.1

>Orthogroup6825: BCIN|XP\_024547595.1 BGRA|VDB85874.1 CFRU|XP\_031886367.1 CGLO|KAF3806311.1 CHIG|XP\_018162144.1 CVIN|KAF4923941.1 CVYL|A11903 FGRM|XP\_011326602.1 MORY|QBZ61528.1 NCRA|XP\_957302.2 SSCL|APA07811.1

>Orthogroup6826: BCIN|XP\_024547660.1 BGRA|VDB85962.1 CFRU|XP\_031887135.1 CGLO|KAF3811365.1 CHIG|XP\_018160564.1 CVIN|KAF4921030.1 CVYL|A04555 FGRM|XP\_011326873.1 MORY|QBZ62517.1 NCRA|XP\_011394570.1 SSCL|APA07738.1

>Orthogroup6827: BCIN|XP\_001560184.1 BCIN|XP\_001560695.1 BGRA|VDB91365.1 CFRU|XP\_031886399.1 CGLO|KAF3806292.1 CHIG|XP\_018162115.1 CVIN|KAF4923945.1 CVYL|A11884 MGRA|XP\_003847964.1 NCRA|XP\_958614.3 SSCL|APA15886.1

>Orthogroup6828: BCIN|XP\_024547738.1 BGRA|VDB90994.1 CFRU|XP\_031893483.1 CGLO|KAF3809610.1 CHIG|XP\_018152593.1 CVIN|KAF4919192.1 CVYL|A00600 CVYL|A08432 FGRM|XP\_011325804.1 MORY|QBZ53449.1 MORY|QBZ58173.1

>Orthogroup6829: BCIN|XP\_024547752.1 BGRA|VDB90384.1 CFRU|XP\_031885653.1 CGLO|KAF3810121.1 CHIG|XP\_018157875.1 CVIN|KAF4912145.1 CVYL|A02713 FGRM|XP\_011325086.1 MORY|QBZ62683.1 NCRA|XP\_957663.2 SSCL|APA08009.1

>Orthogroup6830: BCIN|XP\_024547930.1 BGRA|VDB86172.1 CFRU|XP\_031877786.1 CGLO|KAF3810662.1 CHIG|XP\_018162417.1 CVIN|KAF4916949.1 CVYL|A07299 FGRM|XP\_011318422.1 MORY|QBZ55661.1 NCRA|XP\_963079.2 SSCL|APA08262.1

>Orthogroup6831: BCIN|XP\_001547109.1 BGRA|VDB83634.1 CFRU|XP\_031882681.1 CGLO|KAF3803948.1 CHIG|XP\_018150999.1 CVIN|KAF4925157.1 CVYL|A08855 FGRM|XP\_011317831.1 MORY|QBZ56342.1 NCRA|XP\_011394300.1 SSCL|APA08393.1

>Orthogroup6832: BCIN|XP\_024548044.1 BGRA|VCU38765.1 CFRU|XP\_031887131.1 CGLO|KAF3811366.1 CHIG|XP\_018160602.1 CVIN|KAF4921010.1 CVYL|A04556 FGRM|XP\_011327222.1 MORY|QBZ56972.1 NCRA|XP\_961451.3 SSCL|APA08285.1

>Orthogroup6833: BCIN|XP\_001554475.1 BGRA|VDB93156.1 CFRU|XP\_031887316.1 CGLO|KAF3809253.1 CHIG|XP\_018156086.1 CVIN|KAF4925339.1 CVYL|A01444 FGRM|XP\_011318862.1 MORY|QBZ62175.1 NCRA|XP\_956557.3 SSCL|APA12650.1

>Orthogroup6834: BCIN|XP\_024548148.1 CFRU|XP\_031880177.1 CFRU|XP\_031881442.1 CGLO|KAF3800926.1 CGLO|KAF3811838.1 CVIN|KAF4920920.1 CVIN|KAF4924902.1 CVYL|A05976 CVYL|A12840 FGRM|XP\_011327857.1 MORY|QBZ60781.1

>Orthogroup6835: BCIN|XP\_024548376.1 BGRA|VCU40364.1 CFRU|XP\_031880321.1 CGLO|KAF3808985.1 CHIG|XP\_018155821.1 CVIN|KAF4920843.1 CVYL|A01324 FGRM|XP\_011318844.1 MORY|QBZ62218.1 NCRA|XP\_961090.2 SSCL|APA12330.1

>Orthogroup6836: BCIN|XP\_024548471.1 CFRU|XP\_031885531.1 CGLO|KAF3799443.1 CHIG|XP\_018152321.1 CVIN|KAF4931898.1 CVYL|A13305 FGRM|XP\_011321216.1 MLAR|XP\_007413368.1 MORY|QBZ60341.1 NCRA|XP\_956905.2 SSCL|APA12190.1

>Orthogroup6837: BCIN|XP\_024548485.1 CFRU|XP\_031893071.1 CGLO|KAF3808378.1 CHIG|XP\_018152448.1 CVIN|KAF4916852.1 CVYL|A09538 FGRM|XP\_011319302.1 MGRA|XP\_003851669.1 MLAR|XP\_007404066.1 MORY|QBZ61951.1 SSCL|APA12168.1

>Orthogroup6838: BCIN|XP\_001549266.1 CFRU|XP\_031891263.1 CGLO|KAF3797432.1 CHIG|XP\_018157393.1 CVIN|KAF4929421.1 CVYL|A10244 FGRM|XP\_011319988.1 MGRA|XP\_003855106.1 MORY|QBZ66063.1 NCRA|XP\_965424.3 SSCL|APA12090.1

>Orthogroup6839: BCIN|XP\_001550401.2 CFRU|XP\_031877425.1 CFRU|XP\_031893268.1 CGLO|KAF3800873.1 CHIG|XP\_018150821.1 CHIG|XP\_018159927.1 CVIN|KAF4915593.1 CVYL|A11111 CVYL|A11679 FGRM|XP\_011322228.1 MORY|QBZ61843.1

>Orthogroup6840: BCIN|XP\_001552065.1 BGRA|VDB93675.1 CFRU|XP\_031882131.1 CGLO|KAF3804327.1 CHIG|XP\_018160145.1 CHIG|XP\_018161539.1 CVIN|KAF4920147.1 CVYL|A04019 FGRM|XP\_011315699.1 MGRA|XP\_003852876.1 SSCL|APA09797.1

>Orthogroup6841: BCIN|XP\_001548244.2 CFRU|XP\_031890630.1 CGLO|KAF3805286.1 CHIG|XP\_018158606.1 CVIN|KAF4926003.1 CVYL|A13938 FGRM|XP\_011316433.1 MGRA|XP\_003857602.1 MORY|QBZ56092.1 NCRA|XP\_964987.1 SSCL|APA09938.1

>Orthogroup6842: BCIN|XP\_024548671.1 CFRU|XP\_031876206.1 CFRU|XP\_031876320.1 CFRU|XP\_031891123.1 CGLO|KAF3811767.1 CHIG|XP\_018151767.1 CVIN|KAF4922985.1 MGRA|XP\_003853690.1 NCRA|XP\_011392905.1 NCRA|XP\_958738.1 SSCL|APA09886.1

>Orthogroup6843: BCIN|XP\_001559878.1 CFRU|XP\_031887079.1 CGLO|KAF3811391.1 CHIG|XP\_018160627.1 CVIN|KAF4919708.1 CVYL|A04583 FGRM|XP\_011327184.1 MGRA|XP\_003851148.1 MORY|QBZ64709.1 NCRA|XP\_960734.2 SSCL|APA09730.1

>Orthogroup6844: BCIN|XP\_024548777.1 CFRU|XP\_031889214.1 CGLO|KAF3808730.1 CHIG|XP\_018151127.1 CVIN|KAF4929641.1 CVYL|A00931 FGRM|XP\_011318217.1 MGRA|XP\_003848367.1 MORY|QBZ55177.1 NCRA|XP\_011393363.1 SSCL|APA09697.1

>Orthogroup6845: BCIN|XP\_024548863.1 BGRA|VCU40252.1 CFRU|XP\_031890611.1 CGLO|KAF3805265.1 CHIG|XP\_018158809.1 CVIN|KAF4918667.1 CVYL|A13915 MGRA|XP\_003852443.1 MLAR|XP\_007413598.1 MORY|QBZ60368.1 SSCL|APA09440.1

>Orthogroup6846: BCIN|XP\_001559653.1 BGRA|VDB89403.1 CFRU|XP\_031878012.1 CGLO|KAF3799580.1 CHIG|XP\_018154551.1 CVIN|KAF4926504.1 CVYL|A13440 FGRM|XP\_011325557.1 MORY|QBZ53979.1 NCRA|XP\_957206.1 SSCL|APA09417.1

>Orthogroup6847: BCIN|XP\_001559615.1 BGRA|VDB84122.1 CFRU|XP\_031876029.1 CGLO|KAF3805247.1 CHIG|XP\_018158827.1 CVIN|KAF4918655.1 CVYL|A13895 FGRM|XP\_011316664.1 MORY|QBZ60353.1 NCRA|XP\_965250.1 SSCL|APA09386.1

>Orthogroup6848: BCIN|XP\_024548937.1 CFRU|XP\_031886479.1 CGLO|KAF3806169.1 CHIG|XP\_018162154.1 CVIN|KAF4931476.1 CVYL|A11754 FGRM|XP\_011324088.1 MGRA|XP\_003856235.1 MORY|QBZ61377.1 NCRA|XP\_956408.1 SSCL|APA09529.1

>Orthogroup6849: BCIN|XP\_024548975.1 CFRU|XP\_031886821.1 CFRU|XP\_031891394.1 CGLO|KAF3804599.1 CGLO|KAF3807501.1 CHIG|XP\_018158730.1 CVIN|KAF4917508.1 CVYL|A05023 FGRM|XP\_011323382.1 NCRA|XP\_965034.3 SSCL|APA09558.1

>Orthogroup6850: BCIN|XP\_001558789.1 BCIN|XP\_024548995.1 BCIN|XP\_024552912.1 CFRU|XP\_031889183.1 CGLO|KAF3797658.1 CVIN|KAF4919378.1 CVYL|A01112 MORY|QBZ58631.1 NCRA|XP\_960274.3 SSCL|APA07526.1 SSCL|APA09342.1

>Orthogroup6851: BCIN|XP\_001545521.1 BGRA|VDB93268.1 CFRU|XP\_031884619.1 CGLO|KAF3799061.1 CHIG|XP\_018158194.1 CVIN|KAF4918271.1 CVYL|A11466 FGRM|XP\_011323355.1 MORY|QBZ64471.1 NCRA|XP\_965616.1 SSCL|APA09306.1

>Orthogroup6852: BCIN|XP\_001552872.1 BCIN|XP\_001560183.1 CFRU|XP\_031881071.1 CGLO|KAF3800408.1 CHIG|XP\_018152473.1 CVIN|KAF4930683.1 CVYL|A01803 FGRM|XP\_011323182.1 FGRM|XP\_011327628.1 MORY|QBZ55196.1 SSCL|APA07630.1

>Orthogroup6853: BCIN|XP\_024549136.1 CFRU|XP\_031881484.1 CFRU|XP\_031889949.1 CGLO|KAF3802901.1 CHIG|XP\_018158469.1 CVIN|KAF4907430.1 CVYL|A05112 MGRA|XP\_003850655.1 MGRA|XP\_003856146.1 NCRA|XP\_964763.1 SSCL|APA08818.1

>Orthogroup6854: BCIN|XP\_001560386.1 CFRU|XP\_031880371.1 CGLO|KAF3807288.1 CHIG|XP\_018156968.1 CVIN|KAF4918098.1 CVIN|KAF4918099.1 CVYL|A10783 FGRM|XP\_011320167.1 MORY|QBZ65675.1 NCRA|XP\_964574.1 SSCL|APA08785.1

>Orthogroup6855: BCIN|XP\_001556195.2 CFRU|XP\_031888422.1 CGLO|KAF3803650.1 CHIG|XP\_018150661.1 CHIG|XP\_018163813.1 CVIN|KAF4928540.1 CVYL|A14583 FGRM|XP\_011317000.1 MGRA|XP\_003852184.1 NCRA|XP\_965052.2 SSCL|APA09028.1

>Orthogroup6856: BCIN|XP\_024549282.1 BGRA|VCU39003.1 CFRU|XP\_031891437.1 CGLO|KAF3804735.1 CHIG|XP\_018151552.1 CVIN|KAF4912207.1 CVIN|KAF4923369.1 CVYL|A05385 FGRM|XP\_011322274.1 MORY|QBZ64996.1 SSCL|APA08904.1

>Orthogroup6857: BCIN|XP\_024549351.1 BGRA|VCU39125.1 CFRU|XP\_031885993.1 CGLO|KAF3806561.1 CHIG|XP\_018157600.1 CVIN|KAF4920472.1 CVYL|A09308 FGRM|XP\_011327908.1 MORY|QBZ56252.1 NCRA|XP\_962386.2 SSCL|APA15781.1

>Orthogroup6858: BCIN|XP\_024549352.1 BGRA|VCU39146.1 CFRU|XP\_031886017.1 CHIG|XP\_018157608.1 CVIN|KAF4920455.1 CVYL|A09298 FGRM|XP\_011317826.1 MGRA|XP\_003854949.1 MORY|QBZ58914.1 NCRA|XP\_962383.1 SSCL|APA15780.1

>Orthogroup6859: BCIN|XP\_024549453.1 CFRU|XP\_031890654.1 CGLO|KAF3804913.1 CHIG|XP\_018164350.1 CVIN|KAF4919397.1 CVYL|A12145 FGRM|XP\_011316807.1 MGRA|XP\_003848274.1 MORY|QBZ56451.1 NCRA|XP\_964265.1 SSCL|APA09206.1

>Orthogroup6860: BCIN|XP\_024549549.1 CFRU|XP\_031881733.1 CGLO|KAF3800675.1 CHIG|XP\_018152007.1 CVIN|KAF4922043.1 CVYL|A13042 FGRM|XP\_011321250.1 MGRA|XP\_003857402.1 MORY|QBZ62109.1 NCRA|XP\_956202.1 SSCL|APA13906.1

>Orthogroup6861: BCIN|XP\_024549560.1 BGRA|VDB88769.1 CFRU|XP\_031888526.1 CHIG|XP\_018163914.1 CVIN|KAF4922262.1 CVYL|A14503 FGRM|XP\_011328765.1 MORY|QBZ56034.1 NCRA|XP\_001728380.1 SSCL|APA13925.1 SSCL|APA14684.1

>Orthogroup6862: BCIN|XP\_001556007.1 BGRA|VDB86296.1 CFRU|XP\_031875782.1 CGLO|KAF3796921.1 CHIG|XP\_018154100.1 CVIN|KAF4912170.1 FGRM|XP\_011325404.1 MGRA|XP\_003848706.1 MORY|QBZ60047.1 NCRA|XP\_959760.1 SSCL|APA13933.1

>Orthogroup6863: BCIN|XP\_024549565.1 BGRA|VDB91180.1 CFRU|XP\_031876262.1 CGLO|KAF3805658.1 CHIG|XP\_018164672.1 CVIN|KAF4925701.1 CVYL|A07543 FGRM|XP\_011325642.1 MORY|QBZ62316.1 NCRA|XP\_959635.1 SSCL|APA13941.1

>Orthogroup6864: BCIN|XP\_001556031.1 BGRA|VDB89251.1 CFRU|XP\_031887078.1 CGLO|KAF3811392.1 CHIG|XP\_018160628.1 CVIN|KAF4919709.1 CVYL|A04584 FGRM|XP\_011327185.1 MORY|QBZ64733.1 NCRA|XP\_011394838.1 SSCL|APA13948.1

>Orthogroup6865: BCIN|XP\_024549571.1 BGRA|VDB89187.1 CFRU|XP\_031886927.1 CGLO|KAF3811382.1 CHIG|XP\_018160618.1 CVIN|KAF4919672.1 CVYL|A04573 FGRM|XP\_011327199.1 MORY|QBZ58052.1 NCRA|XP\_959194.1 SSCL|APA13950.1

>Orthogroup6866: BCIN|XP\_001556058.2 BGRA|VCU40022.1 CFRU|XP\_031885147.1 CGLO|KAF3800300.1 CHIG|XP\_018162789.1 CVIN|KAF4927581.1 CVYL|A06929 FGRM|XP\_011326425.1 MORY|QBZ63876.1 NCRA|XP\_957780.1 SSCL|APA13962.1

>Orthogroup6867: BCIN|XP\_001558707.1 CFRU|XP\_031887671.1 CGLO|KAF3807160.1 CHIG|XP\_018160983.1 CVIN|KAF4917571.1 CVYL|A03562 FGRM|XP\_011328162.1 MGRA|XP\_003850205.1 MORY|QBZ56301.1 NCRA|XP\_962543.1 SSCL|APA05240.1

>Orthogroup6868: BCIN|XP\_024549719.1 CFRU|XP\_031882919.1 CGLO|KAF3803407.1 CHIG|XP\_018163926.1 CVIN|KAF4918436.1 CVYL|A10016 CVYL|A14336 FGRM|XP\_011316872.1 MORY|QBZ56024.1 NCRA|XP\_964957.1 SSCL|APA05454.1

>Orthogroup6869: BCIN|XP\_024549792.1 CFRU|XP\_031882533.1 CGLO|KAF3803927.1 CHIG|XP\_018151017.1 CVIN|KAF4903549.1 CVYL|A08870 FGRM|XP\_011323823.1 MGRA|XP\_003855866.1 MORY|QBZ58813.1 NCRA|XP\_962079.3 SSCL|APA05740.1

>Orthogroup6870: BCIN|XP\_024549908.1 BGRA|VDB93966.1 CFRU|XP\_031883440.1 CGLO|KAF3800603.1 CHIG|XP\_018152076.1 CVIN|KAF4918189.1 CVYL|A13114 FGRM|XP\_011321286.1 MORY|QBZ62100.1 NCRA|XP\_956971.2 SSCL|APA05590.1

>Orthogroup6871: BCIN|XP\_024549960.1 BGRA|VDB93581.1 CFRU|XP\_031886494.1 CGLO|KAF3806224.1 CHIG|XP\_018162059.1 CVIN|KAF4931530.1 CVYL|A11814 FGRM|XP\_011324039.1 MORY|QBZ61546.1 NCRA|XP\_956599.1 SSCL|APA05299.1

>Orthogroup6872: BCIN|XP\_024550062.1 CFRU|XP\_031883313.1 CGLO|KAF3801755.1 CHIG|XP\_018159271.1 CVIN|KAF4922900.1 CVYL|A12949 FGRM|XP\_011322939.1 MGRA|XP\_003848677.1 MORY|QBZ60743.1 NCRA|XP\_959993.1 SSCL|APA14450.1

>Orthogroup6873: BCIN|XP\_001553482.1 BGRA|VDB84151.1 CFRU|XP\_031887842.1 CGLO|KAF3802277.1 CHIG|XP\_018154357.1 CVIN|KAF4924408.1 CVYL|A10396 FGRM|XP\_011319798.1 MORY|QBZ65765.1 NCRA|XP\_964224.1 SSCL|APA10878.1

>Orthogroup6874: BCIN|XP\_024550229.1 CFRU|XP\_031882216.1 CGLO|KAF3803187.1 CGLO|KAF3803188.1 CGLO|KAF3804373.1 CGLO|KAF3812111.1 CHIG|XP\_018153977.1 CHIG|XP\_018159982.1 CVIN|KAF4918108.1 CVIN|KAF4918348.1 MGRA|XP\_003847955.1

>Orthogroup6875: BCIN|XP\_001551950.2 BGRA|VDB94742.1 CFRU|XP\_031887100.1 CGLO|KAF3811332.1 CHIG|XP\_018160559.1 CVIN|KAF4927217.1 CVYL|A04514 FGRM|XP\_011326901.1 MORY|QBZ57011.1 NCRA|XP\_011394824.1 SSCL|APA10946.1

>Orthogroup6876: BCIN|XP\_001554700.1 BGRA|VDB85680.1 CFRU|XP\_031892801.1 CGLO|KAF3797248.1 CHIG|XP\_018157243.1 CVIN|KAF4920699.1 CVYL|A10445 FGRM|XP\_011320254.1 MORY|QBZ66057.1 NCRA|XP\_964523.1 SSCL|APA11009.1

>Orthogroup6877: BCIN|XP\_024550344.1 CFRU|XP\_031888179.1 CGLO|KAF3802098.1 CHIG|XP\_018154250.1 CVIN|KAF4917957.1 CVYL|A03295 FGRM|XP\_011315629.1 FGRM|XP\_011322997.1 MORY|QBZ66418.1 NCRA|XP\_011392884.1 SSCL|APA11014.1

>Orthogroup6878: BCIN|XP\_001553949.2 BGRA|VDB94853.1 CFRU|XP\_031886467.1 CGLO|KAF3806190.1 CHIG|XP\_018162175.1 CVIN|KAF4931489.1 CVYL|A11777 FGRM|XP\_011324077.1 MORY|QBZ59559.1 NCRA|XP\_957001.3 SSCL|APA11080.1

>Orthogroup6879: BCIN|XP\_024550471.1 BGRA|VDB90366.1 CFRU|XP\_031890761.1 CGLO|KAF3801676.1 CHIG|XP\_018151454.1 CVIN|KAF4897549.1 CVYL|A12461 MGRA|XP\_003853691.1 MORY|QBZ62850.1 NCRA|XP\_958071.1 SSCL|APA11182.1

>Orthogroup6880: BCIN|XP\_001550144.2 BGRA|VCU40411.1 CFRU|XP\_031879116.1 CGLO|KAF3798822.1 CHIG|XP\_018151220.1 CVIN|KAF4919575.1 CVYL|A09108 FGRM|XP\_011324180.1 MGRA|XP\_003856273.1 NCRA|XP\_011395065.1 SSCL|APA11360.1

>Orthogroup6881: BCIN|XP\_001549683.1 BGRA|VDB94838.1 CFRU|XP\_031885796.1 CGLO|KAF3810270.1 CHIG|XP\_018157924.1 CVIN|KAF4918582.1 CVYL|A02872 FGRM|XP\_011328520.1 MGRA|XP\_003853832.1 NCRA|XP\_957658.1 SSCL|APA11393.1

>Orthogroup6882: BCIN|XP\_001549678.2 BCIN|XP\_024551241.1 CFRU|XP\_031886824.1 CGLO|KAF3807504.1 CHIG|XP\_018158727.1 CVIN|KAF4917505.1 CVYL|A05026 MORY|QBZ56839.1 MORY|QBZ57814.1 SSCL|APA09934.1 SSCL|APA10320.1

>Orthogroup6883: BCIN|XP\_001552588.1 BGRA|VCU41162.1 CFRU|XP\_031887280.1 CGLO|KAF3809201.1 CHIG|XP\_018156039.1 CVIN|KAF4925324.1 CVYL|A01390 FGRM|XP\_011319119.1 MORY|QBZ57071.1 NCRA|XP\_960691.3 SSCL|APA11440.1

>Orthogroup6884: BCIN|XP\_024550760.1 CFRU|XP\_031889194.1 CGLO|KAF3808768.1 CHIG|XP\_018155670.1 CVIN|KAF4906988.1 CVYL|A00895 FGRM|XP\_011318979.1 FGRM|XP\_011323392.1 MORY|QBZ54558.1 NCRA|XP\_959210.1 SSCL|APA11650.1

>Orthogroup6885: BCIN|XP\_024550799.1 BGRA|VDB93039.1 CFRU|XP\_031881765.1 CGLO|KAF3800689.1 CHIG|XP\_018157654.1 CVIN|KAF4922034.1 CVYL|A13028 FGRM|XP\_011321261.1 MORY|QBZ61264.1 NCRA|XP\_958931.1 SSCL|APA11850.1

>Orthogroup6886: BCIN|XP\_024550808.1 BGRA|VDB89077.1 CFRU|XP\_031878038.1 CGLO|KAF3799631.1 CHIG|XP\_018154637.1 CVIN|KAF4926436.1 CVYL|A13494 FGRM|XP\_011315981.1 MORY|QBZ61027.1 NCRA|XP\_963678.1 SSCL|APA11845.1

>Orthogroup6887: BCIN|XP\_024550841.1 BGRA|VDB88154.1 CFRU|XP\_031891563.1 CGLO|KAF3797380.1 CHIG|XP\_018157131.1 CVIN|KAF4929333.1 CVYL|A10309 FGRM|XP\_011320080.1 MORY|QBZ65991.1 NCRA|XP\_964902.2 SSCL|APA11764.1

>Orthogroup6888: BCIN|XP\_001551539.1 CFRU|XP\_031892766.1 CGLO|KAF3797084.1 CHIG|XP\_018157027.1 CVIN|KAF4911387.1 CVYL|A10625 FGRM|XP\_011320171.1 MGRA|XP\_003852849.1 MORY|QBZ65913.1 NCRA|XP\_964885.1 SSCL|APA11887.1

>Orthogroup6889: BCIN|XP\_001549441.2 CFRU|XP\_031882888.1 CFRU|XP\_031890862.1 CGLO|KAF3801453.1 CGLO|KAF3806671.1 CHIG|XP\_018164196.1 CVIN|KAF4912396.1 CVIN|KAF4923689.1 CVYL|A12673 CVYL|A14214 MORY|QBZ63797.1

>Orthogroup6890: BCIN|XP\_001549432.2 BGRA|VDB93045.1 CFRU|XP\_031885361.1 CGLO|KAF3799510.1 CHIG|XP\_018154498.1 CVIN|KAF4931872.1 CVYL|A13371 FGRM|XP\_011324926.1 MORY|QBZ62059.1 NCRA|XP\_956879.1 SSCL|APA11818.1

>Orthogroup6891: BCIN|XP\_024550991.1 CFRU|XP\_031892669.1 CGLO|KAF3809122.1 CHIG|XP\_018155972.1 CVIN|KAF4922087.1 CVYL|A01306 FGRM|XP\_011319199.1 MGRA|XP\_003851398.1 MORY|QBZ61101.1 NCRA|XP\_011394763.1 SSCL|APA11614.1

>Orthogroup6892: BCIN|XP\_024551070.1 CFRU|XP\_031892450.1 CGLO|KAF3797212.1 CHIG|XP\_018157296.1 CVIN|KAF4920838.1 CVYL|A10483 FGRM|XP\_011320158.1 MLAR|XP\_007413241.1 MORY|QBZ65984.1 NCRA|XP\_964634.1 SSCL|APA12014.1

>Orthogroup6893: BCIN|XP\_024551072.1 BGRA|VDB88175.1 CFRU|XP\_031892737.1 CGLO|KAF3797214.1 CHIG|XP\_018157294.1 CVIN|KAF4920836.1 CVYL|A10481 FGRM|XP\_011320156.1 MORY|QBZ65986.1 NCRA|XP\_964632.2 SSCL|APA12016.1

>Orthogroup6894: BCIN|XP\_024551096.1 BGRA|VDB89747.1 CFRU|XP\_031880389.1 CGLO|KAF3807279.1 CHIG|XP\_018156955.1 CVIN|KAF4928177.1 CVYL|A10763 FGRM|XP\_011320006.1 MORY|QBZ65968.1 NCRA|XP\_965828.1 SSCL|APA12045.1

>Orthogroup6895: BCIN|XP\_024551109.1 CFRU|XP\_031877709.1 CGLO|KAF3797353.1 CHIG|XP\_018157158.1 CVIN|KAF4889989.1 CVYL|A10337 FGRM|XP\_011320099.1 MGRA|XP\_003852114.1 MORY|QBZ65905.1 NCRA|XP\_011392816.1 SSCL|APA12054.1

>Orthogroup6896: BCIN|XP\_001553260.1 CFRU|XP\_031880407.1 CGLO|KAF3807327.1 CHIG|XP\_018156887.1 CVIN|KAF4920064.1 CVYL|A10830 FGRM|XP\_011319945.1 MLAR|XP\_007416002.1 MORY|QBZ65693.1 NCRA|XP\_964729.1 SSCL|APA12056.1

>Orthogroup6897: BCIN|XP\_001553258.1 CFRU|XP\_031880433.1 CGLO|KAF3807329.1 CHIG|XP\_018156889.1 CVIN|KAF4920066.1 CVYL|A10827 FGRM|XP\_011319947.1 MGRA|XP\_003853100.1 MORY|QBZ65694.1 NCRA|XP\_964738.1 SSCL|APA12058.1

>Orthogroup6898: BCIN|XP\_001553212.2 BGRA|VDB89591.1 CFRU|XP\_031892826.1 CGLO|KAF3797236.1 CHIG|XP\_018157231.1 CVIN|KAF4917684.1 CVYL|A10460 FGRM|XP\_011319908.1 MORY|QBZ60448.1 NCRA|XP\_964867.1 SSCL|APA12078.1

>Orthogroup6899: BCIN|XP\_001554187.1 CFRU|XP\_031885229.1 CGLO|KAF3807723.1 CHIG|XP\_018162963.1 CVIN|KAF4920509.1 CVYL|A06942 FGRM|XP\_011326206.1 MGRA|XP\_003852856.1 MORY|QBZ63078.1 NCRA|XP\_957724.2 SSCL|APA10175.1

>Orthogroup6900: BCIN|XP\_024551219.1 CFRU|XP\_031878376.1 CGLO|KAF3802644.1 CHIG|XP\_018162518.1 CVIN|KAF4932062.1 CVYL|A07152 FGRM|XP\_011326973.1 MORY|QBZ55671.1 NCRA|XP\_001728464.2 NCRA|XP\_956150.2 SSCL|APA10126.1

>Orthogroup6901: BCIN|XP\_024551254.1 CFRU|XP\_031893094.1 CGLO|KAF3808362.1 CHIG|XP\_018152424.1 CVIN|KAF4918622.1 CVYL|A09520 FGRM|XP\_011317690.1 MGRA|XP\_003856462.1 MORY|QBZ54492.1 NCRA|XP\_961268.1 SSCL|APA10298.1

>Orthogroup6902: BCIN|XP\_001555666.1 CFRU|XP\_031892976.1 CGLO|KAF3797476.1 CHIG|XP\_018152393.1 CVIN|KAF4918644.1 CVYL|A09494 FGRM|XP\_011317710.1 FGRM|XP\_011322187.1 MORY|QBZ54051.1 NCRA|XP\_957942.1 SSCL|APA10294.1

>Orthogroup6903: BCIN|XP\_001546853.1 BGRA|VCU41076.1 CFRU|XP\_031893514.1 CGLO|KAF3809488.1 CHIG|XP\_018152675.1 CVIN|KAF4921290.1 CVYL|A10055 FGRM|XP\_011317899.1 MORY|QBZ54063.1 NCRA|XP\_958691.1 SSCL|APA10268.1

>Orthogroup6904: BCIN|XP\_001556926.2 CFRU|XP\_031886764.1 CGLO|KAF3804107.1 CHIG|XP\_018162646.1 CVIN|KAF4932130.1 CVYL|A07072 FGRM|XP\_011326717.1 MGRA|XP\_003856285.1 MORY|QBZ55631.1 NCRA|XP\_957209.1 SSCL|APA10538.1

>Orthogroup6905: BCIN|XP\_024551342.1 CFRU|XP\_031885232.1 CGLO|KAF3807724.1 CHIG|XP\_018162962.1 CVIN|KAF4920516.1 CVYL|A06931 FGRM|XP\_011326205.1 MGRA|XP\_003850770.1 MORY|QBZ58136.1 NCRA|XP\_011394009.1 SSCL|APA10527.1

>Orthogroup6906: BCIN|XP\_024551350.1 CFRU|XP\_031886536.1 CGLO|KAF3800282.1 CHIG|XP\_018162770.1 CVIN|KAF4927554.1 CVYL|A06952 FGRM|XP\_011318460.1 MGRA|XP\_003855334.1 MORY|QBZ61531.1 NCRA|XP\_957352.2 SSCL|APA10513.1

>Orthogroup6907: BCIN|XP\_001548038.2 CFRU|XP\_031878377.1 CGLO|KAF3810771.1 CHIG|XP\_018162544.1 CVIN|KAF4932054.1 CVYL|A07182 FGRM|XP\_011326984.1 MGRA|XP\_003855551.1 MORY|QBZ61354.1 NCRA|XP\_011394056.1 SSCL|APA10508.1

>Orthogroup6908: BCIN|XP\_001549993.1 BGRA|VCU39463.1 CFRU|XP\_031888992.1 CGLO|KAF3799287.1 CHIG|XP\_018163419.1 CVIN|KAF4924803.1 CVYL|A03418 FGRM|XP\_011322323.1 MGRA|XP\_003854091.1 MORY|QBZ54471.1 SSCL|APA10469.1

>Orthogroup6909: BCIN|XP\_001557360.1 BCIN|XP\_024553999.1 CFRU|XP\_031891912.1 CGLO|KAF3809729.1 CHIG|XP\_018164906.1 CVIN|KAF4921920.1 CVYL|A01720 CVYL|A06651 MORY|QBZ60847.1 SSCL|APA10456.1 SSCL|APA15382.1

>Orthogroup6910: BCIN|XP\_024551461.1 BGRA|VCU39918.1 CFRU|XP\_031892959.1 CGLO|KAF3808059.1 CHIG|XP\_018152765.1 CVIN|KAF4922850.1 CVYL|A08174 MGRA|XP\_003850465.1 MORY|QBZ55062.1 NCRA|XP\_011394827.1 SSCL|APA10442.1

>Orthogroup6911: BCIN|XP\_001546824.1 BGRA|VCU39453.1 CFRU|XP\_031886810.1 CGLO|KAF3801204.1 CHIG|XP\_018162492.1 CVIN|KAF4932035.1 CVYL|A07128 FGRM|XP\_011324103.1 MORY|QBZ56487.1 NCRA|XP\_957739.2 SSCL|APA10424.1

>Orthogroup6912: BCIN|XP\_024551558.1 CFRU|XP\_031890625.1 CFRU|XP\_031890669.1 CGLO|KAF3804958.1 CHIG|XP\_018164464.1 CVIN|KAF4910217.1 CVYL|A12095 FGRM|XP\_011317113.1 MORY|QBZ61473.1 NCRA|XP\_958624.2 SSCL|APA14915.1

>Orthogroup6913: BCIN|XP\_024551611.1 CFRU|XP\_031878635.1 CFRU|XP\_031885829.1 CGLO|KAF3798476.1 CGLO|KAF3810136.1 CHIG|XP\_018156542.1 CHIG|XP\_018157968.1 CVIN|KAF4912136.1 CVYL|A02726 MGRA|XP\_003855212.1 NCRA|XP\_958815.1

>Orthogroup6914: BCIN|XP\_001556690.1 BGRA|VCU41336.1 CFRU|XP\_031879171.1 CGLO|KAF3807116.1 CHIG|XP\_018159765.1 CVIN|KAF4919055.1 CVYL|A06400 FGRM|XP\_011315654.1 MGRA|XP\_003856007.1 MORY|QBZ57482.1 SSCL|APA14807.1

>Orthogroup6915: BCIN|XP\_024551674.1 CFRU|XP\_031887993.1 CGLO|KAF3802076.1 CHIG|XP\_018154215.1 CVIN|KAF4917981.1 CVYL|A03310 MGRA|XP\_003848744.1 MLAR|XP\_007409240.1 MORY|QBZ66382.1 NCRA|XP\_965179.2 SSCL|APA06003.1

>Orthogroup6916: BCIN|XP\_024551723.1 CFRU|XP\_031881178.1 CFRU|XP\_031884384.1 CGLO|KAF3798213.1 CGLO|KAF3799727.1 CGLO|KAF3802545.1 CVIN|KAF4919947.1 CVIN|KAF4921880.1 CVYL|A02139 CVYL|A05885 SSCL|APA14580.1

>Orthogroup6917: BCIN|XP\_024551725.1 BGRA|VDB89515.1 CFRU|XP\_031881509.1 CGLO|KAF3805737.1 CHIG|XP\_018163644.1 CVIN|KAF4926643.1 CVYL|A09807 FGRM|XP\_011316732.1 MORY|QBZ54163.1 NCRA|XP\_957500.2 SSCL|APA14578.1

>Orthogroup6918: BCIN|XP\_001556821.1 BGRA|VDB89267.1 CFRU|XP\_031884713.1 CGLO|KAF3800976.1 CHIG|XP\_018153233.1 CVIN|KAF4913258.1 CVYL|A05929 FGRM|XP\_011321613.1 MORY|QBZ63603.1 NCRA|XP\_963699.1 SSCL|APA14594.1

>Orthogroup6919: BCIN|XP\_024551797.1 CFRU|XP\_031890827.1 CGLO|KAF3801606.1 CHIG|XP\_018151367.1 CVIN|KAF4922689.1 CVYL|A12530 FGRM|XP\_011328214.1 MGRA|XP\_003855724.1 MORY|QBZ53870.1 NCRA|XP\_960293.1 SSCL|APA14656.1

>Orthogroup6920: BCIN|XP\_024551822.1 BGRA|VDB90580.1 CFRU|XP\_031876500.1 CHIG|XP\_018153679.1 CVIN|KAF4894113.1 CVYL|A00372 FGRM|XP\_011317163.1 MGRA|XP\_003856512.1 MLAR|XP\_007411006.1 NCRA|XP\_963830.2 SSCL|APA14707.1

>Orthogroup6921: BCIN|XP\_001558388.1 CFRU|XP\_031883771.1 CGLO|KAF3805122.1 CHIG|XP\_018163395.1 CVIN|KAF4927480.1 CVYL|A06435 FGRM|XP\_011318740.1 MGRA|XP\_003856976.1 MORY|QBZ59499.1 NCRA|XP\_962451.1 SSCL|APA06302.1

>Orthogroup6922: BCIN|XP\_001558005.1 CFRU|XP\_031880621.1 CGLO|KAF3809935.1 CHIG|XP\_018161513.1 CVYL|A01689 FGRM|XP\_011318375.1 MGRA|XP\_003849129.1 MLAR|XP\_007416100.1 MORY|QBZ65144.1 NCRA|XP\_959391.1 SSCL|APA12707.1

>Orthogroup6923: BCIN|XP\_024552074.1 CFRU|XP\_031878605.1 CGLO|KAF3798529.1 CHIG|XP\_018161207.1 CVIN|KAF4919296.1 CVYL|A03795 FGRM|XP\_011327979.1 MGRA|XP\_003849621.1 MGRA|XP\_003850764.1 NCRA|XP\_961968.3 SSCL|APA12853.1

>Orthogroup6924: BCIN|XP\_024552108.1 BGRA|VDB92762.1 CFRU|XP\_031885464.1 CGLO|KAF3806506.1 CHIG|XP\_018157543.1 CVIN|KAF4921346.1 CVYL|A09363 FGRM|XP\_011328090.1 MORY|QBZ56345.1 NCRA|XP\_011394303.1 SSCL|APA12938.1

>Orthogroup6925: BCIN|XP\_001558152.1 BGRA|VDB89589.1 CFRU|XP\_031883219.1 CGLO|KAF3800740.1 CHIG|XP\_018163290.1 CVIN|KAF4919645.1 CVYL|A00464 FGRM|XP\_011327149.1 FGRM|XP\_011328521.1 MORY|QBZ58263.1 SSCL|APA13163.1

>Orthogroup6926: BCIN|XP\_001552219.1 BGRA|VDB92834.1 CFRU|XP\_031887683.1 CGLO|KAF3807180.1 CHIG|XP\_018161008.1 CVIN|KAF4920240.1 CVYL|A03586 FGRM|XP\_011328102.1 MORY|QBZ56261.1 NCRA|XP\_962615.1 SSCL|APA12994.1

>Orthogroup6927: BCIN|XP\_001546593.1 BGRA|VDB92781.1 CFRU|XP\_031876582.1 CGLO|KAF3800890.1 CHIG|XP\_018150793.1 CVIN|KAF4911871.1 CVYL|A11130 FGRM|XP\_011323798.1 MORY|QBZ56705.1 NCRA|XP\_011394375.1 SSCL|APA13020.1

>Orthogroup6928: BCIN|XP\_001553911.1 CFRU|XP\_031880710.1 CGLO|KAF3809956.1 CHIG|XP\_018161540.1 CVIN|KAF4914179.1 CVYL|A01667 FGRM|XP\_011321378.1 MGRA|XP\_003851505.1 MORY|QBZ65205.1 NCRA|XP\_958713.2 SSCL|APA13134.1

>Orthogroup6929: BCIN|XP\_001547713.2 CFRU|XP\_031893176.1 CGLO|KAF3808124.1 CHIG|XP\_018152821.1 CVIN|KAF4909733.1 CVYL|A08111 FGRM|XP\_011317981.1 MGRA|XP\_003857645.1 MORY|QBZ55060.1 NCRA|XP\_960769.1 SSCL|APA13292.1

>Orthogroup6930: BCIN|XP\_024552456.1 BGRA|VDB88056.1 CFRU|XP\_031881806.1 CGLO|KAF3800662.1 CHIG|XP\_018152012.1 CVIN|KAF4922031.1 CVYL|A13055 FGRM|XP\_011321257.1 MORY|QBZ62114.1 NCRA|XP\_956258.2 SSCL|APA08553.1

>Orthogroup6931: BCIN|XP\_024552462.1 BGRA|VDB94661.1 CFRU|XP\_031883069.1 CGLO|KAF3808265.1 CHIG|XP\_018163145.1 CVYL|A00603 FGRM|XP\_011323565.1 MGRA|XP\_003857175.1 NCRA|XP\_958216.2 SSCL|APA08547.1 SSCL|APA14592.1

>Orthogroup6932: BCIN|XP\_001557098.1 CFRU|XP\_031885824.1 CGLO|KAF3810135.1 CHIG|XP\_018157967.1 CVIN|KAF4912134.1 CVYL|A02725 FGRM|XP\_011320312.1 MGRA|XP\_003849613.1 MORY|QBZ62141.1 NCRA|XP\_957606.3 SSCL|APA08537.1

>Orthogroup6933: BCIN|XP\_001557053.1 BGRA|VCU41019.1 CFRU|XP\_031879513.1 CGLO|KAF3802394.1 CHIG|XP\_018154682.1 CVIN|KAF4922182.1 CVYL|A13537 FGRM|XP\_011317277.1 MORY|QBZ54019.1 NCRA|XP\_963435.1 SSCL|APA08507.1

>Orthogroup6934: BCIN|XP\_001557043.2 BGRA|VDB88234.1 CFRU|XP\_031879453.1 CGLO|KAF3802396.1 CHIG|XP\_018154676.1 CVIN|KAF4922173.1 CVYL|A13539 FGRM|XP\_011317287.1 MORY|QBZ60981.1 MORY|QBZ66697.1 NCRA|XP\_963438.2

>Orthogroup6935: BCIN|XP\_024552543.1 BGRA|VDB88137.1 CFRU|XP\_031879440.1 CGLO|KAF3802401.1 CHIG|XP\_018154701.1 CVIN|KAF4922176.1 CVYL|A13545 FGRM|XP\_011317279.1 MORY|QBZ54015.1 NCRA|XP\_963433.1 SSCL|APA08641.1

>Orthogroup6936: BCIN|XP\_001555265.2 MGRA|XP\_003853006.1 MLAR|XP\_007404827.1 MLAR|XP\_007408087.1 MLAR|XP\_007410636.1 MLAR|XP\_007413707.1 MLAR|XP\_007418266.1 MLAR|XP\_007418482.1 MLAR|XP\_007418921.1 MORY|QBZ58483.1 SSCL|APA08665.1

>Orthogroup6937: BCIN|XP\_024552570.1 BGRA|VDB88128.1 CFRU|XP\_031881296.1 CGLO|KAF3802469.1 CHIG|XP\_018154768.1 CVIN|KAF4916871.1 CVYL|A02058 FGRM|XP\_011325548.1 MORY|QBZ64781.1 NCRA|XP\_956125.2 SSCL|APA15617.1

>Orthogroup6938: BCIN|XP\_001547309.1 BGRA|VDB87946.1 CFRU|XP\_031883411.1 CGLO|KAF3801712.1 CHIG|XP\_018159228.1 CVIN|KAF4915639.1 CVYL|A12987 FGRM|XP\_011320144.1 MORY|QBZ62859.1 NCRA|XP\_958073.1 SSCL|APA15649.1

>Orthogroup6939: BCIN|XP\_024552592.1 BGRA|VDB86293.1 CFRU|XP\_031885828.1 CGLO|KAF3810130.1 CHIG|XP\_018157962.1 CVIN|KAF4912130.1 CVYL|A02721 FGRM|XP\_011328243.1 MORY|QBZ59282.1 NCRA|XP\_960437.1 SSCL|APA15669.1

>Orthogroup6940: BCIN|XP\_001556335.1 BGRA|VDB95263.1 CFRU|XP\_031891490.1 CGLO|KAF3797896.1 CHIG|XP\_018161626.1 CVIN|KAF4905685.1 CVYL|A05333 FGRM|XP\_011318674.1 MORY|QBZ62042.1 NCRA|XP\_962795.2 SSCL|APA08734.1

>Orthogroup6941: BCIN|XP\_024552615.1 BCIN|XP\_024553733.1 CFRU|XP\_031882940.1 CGLO|KAF3803359.1 CHIG|XP\_018153845.1 CVIN|KAF4915974.1 CVYL|A14302 FGRM|XP\_011325171.1 NCRA|XP\_964679.1 NCRA|XP\_964680.1 SSCL|APA08729.1

>Orthogroup6942: BCIN|XP\_024552686.1 BGRA|VDB94720.1 CFRU|XP\_031878026.1 CGLO|KAF3799590.1 CVIN|KAF4926459.1 CVYL|A13451 FGRM|XP\_011325565.1 MGRA|XP\_003849408.1 MORY|QBZ53967.1 NCRA|XP\_956472.2 SSCL|APA15515.1

>Orthogroup6943: BCIN|XP\_024552696.1 BGRA|VDB88124.1 CFRU|XP\_031890915.1 CGLO|KAF3801582.1 CHIG|XP\_018151996.1 CHIG|XP\_018151997.1 CVIN|KAF4922723.1 CVYL|A12552 NCRA|XP\_960358.2 SSCL|APA15494.1 SSCL|APA15495.1

>Orthogroup6944: BCIN|XP\_024552718.1 CFRU|XP\_031879425.1 CFRU|XP\_031879501.1 CHIG|XP\_018152336.1 CVIN|KAF4913911.1 CVYL|A02032 FGRM|XP\_011322235.1 FGRM|XP\_011327534.1 FGRM|XP\_011327539.1 FGRM|XP\_011328846.1 NCRA|XP\_961815.1

>Orthogroup6945: BCIN|XP\_024552756.1 BGRA|VCU41236.1 CFRU|XP\_031882424.1 CGLO|KAF3807548.1 CHIG|XP\_018156388.1 CVIN|KAF4928964.1 CVYL|A02935 FGRM|XP\_011318569.1 MORY|QBZ56962.1 NCRA|XP\_960970.1 SSCL|APA07497.1

>Orthogroup6946: BCIN|XP\_001552808.1 CFRU|XP\_031885238.1 CGLO|KAF3807714.1 CHIG|XP\_018162927.1 CVIN|KAF4918893.1 CVYL|A07076 MLAR|XP\_007406622.1 MLAR|XP\_007408096.1 MLAR|XP\_007415666.1 MORY|QBZ63019.1 SSCL|APA07596.1

>Orthogroup6947: BCIN|XP\_001552800.2 BGRA|VCU40171.1 CFRU|XP\_031892832.1 CGLO|KAF3809105.1 CHIG|XP\_018155926.1 CVIN|KAF4922093.1 CVYL|A01292 FGRM|XP\_011319029.1 MORY|QBZ63528.1 NCRA|XP\_961621.3 SSCL|APA16127.1

>Orthogroup6948: BCIN|XP\_024552895.1 BGRA|VCU39649.1 CFRU|XP\_031885404.1 CGLO|KAF3799410.1 CHIG|XP\_018152164.1 CVIN|KAF4931814.1 CVYL|A13274 FGRM|XP\_011324624.1 MORY|QBZ53994.1 NCRA|XP\_956489.2 SSCL|APA16071.1

>Orthogroup6949: BCIN|XP\_001553181.1 BGRA|VCU41244.1 CFRU|XP\_031887418.1 CHIG|XP\_018156110.1 CVIN|KAF4921061.1 CVYL|A01467 FGRM|XP\_011318835.1 MGRA|XP\_003857391.1 MORY|QBZ62207.1 NCRA|XP\_961235.1 SSCL|APA07532.1

>Orthogroup6950: BCIN|XP\_001551302.1 CFRU|XP\_031892514.1 CGLO|KAF3809101.1 CHIG|XP\_018155923.1 CVIN|KAF4922115.1 CVYL|A01288 FGRM|XP\_011318890.1 MLAR|XP\_007408807.1 MORY|QBZ57445.1 NCRA|XP\_960879.1 SSCL|APA07576.1

>Orthogroup6951: BCIN|XP\_024553026.1 CFRU|XP\_031887233.1 CGLO|KAF3809300.1 CHIG|XP\_018156133.1 CVIN|KAF4911370.1 CVYL|A01496 FGRM|XP\_011318826.1 MLAR|XP\_007412910.1 MORY|QBZ64612.1 NCRA|XP\_011394780.1 SSCL|APA16185.1

>Orthogroup6952: BCIN|XP\_024553082.1 CFRU|XP\_031885432.1 CGLO|KAF3799528.1 CHIG|XP\_018154517.1 CVIN|KAF4931772.1 CVYL|A13388 FGRM|XP\_011324923.1 MGRA|XP\_003857042.1 MORY|QBZ62063.1 NCRA|XP\_956272.3 SSCL|APA16296.1

>Orthogroup6953: BCIN|XP\_024553101.1 BGRA|VCU39731.1 CFRU|XP\_031881240.1 CGLO|KAF3802477.1 CHIG|XP\_018154780.1 CVIN|KAF4884241.1 CVYL|A02069 FGRM|XP\_011324938.1 MORY|QBZ62090.1 NCRA|XP\_956958.2 SSCL|APA16312.1

>Orthogroup6954: BCIN|XP\_024553108.1 BGRA|VCU41159.1 CFRU|XP\_031885965.1 CHIG|XP\_018155282.1 CVYL|A05549 FGRM|XP\_011324659.1 MGRA|XP\_003857435.1 MLAR|XP\_007412024.1 MORY|QBZ54027.1 NCRA|XP\_963627.1 SSCL|APA16326.1

>Orthogroup6955: BCIN|XP\_001548787.1 BGRA|VDB93859.1 CFRU|XP\_031879873.1 CGLO|KAF3803031.1 CHIG|XP\_018153577.1 CVIN|KAF4929935.1 CVYL|A00042 MGRA|XP\_003857117.1 MLAR|XP\_007412354.1 MORY|QBZ62987.1 SSCL|APA13325.1

>Orthogroup6956: BCIN|XP\_024553192.1 BGRA|VDB83860.1 CFRU|XP\_031892199.1 CGLO|KAF3801334.1 CHIG|XP\_018164807.1 CVIN|KAF4910765.1 CVYL|A07751 FGRM|XP\_011324990.1 MORY|QBZ60831.1 NCRA|XP\_956292.1 SSCL|APA13457.1

>Orthogroup6957: BCIN|XP\_024553270.1 CFRU|XP\_031883208.1 CFRU|XP\_031883379.1 CGLO|KAF3800592.1 CGLO|KAF3808279.1 CHIG|XP\_018152086.1 CVIN|KAF4927051.1 CVYL|A13123 FGRM|XP\_011321304.1 MORY|QBZ61046.1 SSCL|APA13566.1

>Orthogroup6958: BCIN|XP\_024553333.1 CFRU|XP\_031880540.1 CGLO|KAF3811575.1 CHIG|XP\_018160840.1 CVIN|KAF4914894.1 CVYL|A03426 FGRM|XP\_011327934.1 MGRA|XP\_003855446.1 MORY|QBZ56614.1 NCRA|XP\_962008.2 SSCL|APA13650.1

>Orthogroup6959: BCIN|XP\_024553363.1 BGRA|VDB93882.1 CFRU|XP\_031890352.1 CGLO|KAF3804950.1 CHIG|XP\_018164457.1 CVIN|KAF4910225.1 CVYL|A12103 FGRM|XP\_011317105.1 MORY|QBZ61463.1 NCRA|XP\_964067.2 SSCL|APA13681.1

>Orthogroup6960: BCIN|XP\_024553390.1 BGRA|VDB90950.1 CFRU|XP\_031890492.1 CGLO|KAF3804905.1 CHIG|XP\_018164378.1 CVIN|KAF4909783.1 CVYL|A12154 FGRM|XP\_011316804.1 MORY|QBZ55533.1 NCRA|XP\_011392775.1 SSCL|APA13760.1

>Orthogroup6961: BCIN|XP\_024553459.1 BGRA|VDB93518.1 CFRU|XP\_031882784.1 CGLO|KAF3803405.1 CVIN|KAF4918434.1 CVYL|A14335 FGRM|XP\_011316859.1 MGRA|XP\_003856641.1 MORY|QBZ56025.1 NCRA|XP\_963866.1 SSCL|APA13832.1

>Orthogroup6962: BCIN|XP\_001546895.1 BGRA|VDB89736.1 CFRU|XP\_031883401.1 CGLO|KAF3801728.1 CHIG|XP\_018159243.1 CVIN|KAF4922910.1 CVYL|A12973 FGRM|XP\_011320393.1 MORY|QBZ55774.1 NCRA|XP\_960421.1 SSCL|APA08570.1

>Orthogroup6963: BCIN|XP\_001551141.2 BGRA|VDB96376.1 CFRU|XP\_031886793.1 CGLO|KAF3801226.1 CHIG|XP\_018162608.1 CVYL|A07104 FGRM|XP\_011324002.1 MLAR|XP\_007408809.1 MORY|QBZ59323.1 NCRA|XP\_957790.1 SSCL|APA15059.1

>Orthogroup6964: BCIN|XP\_001545263.2 BGRA|VDB93355.1 CFRU|XP\_031886365.1 CGLO|KAF3806400.1 CHIG|XP\_018162277.1 CVIN|KAF4923275.1 CVYL|A11992 FGRM|XP\_011326572.1 MORY|QBZ55493.1 NCRA|XP\_958151.2 SSCL|APA15103.1

>Orthogroup6965: BCIN|XP\_001553357.1 CFRU|XP\_031886879.1 CHIG|XP\_018160465.1 CVIN|KAF4931172.1 CVYL|A04423 FGRM|XP\_011327090.1 MGRA|XP\_003854883.1 MLAR|XP\_007407705.1 MORY|QBZ64761.1 NCRA|XP\_961137.2 SSCL|APA15151.1

>Orthogroup6966: BCIN|XP\_001551838.1 CFRU|XP\_031892950.1 CGLO|KAF3809652.1 CHIG|XP\_018152544.1 CVIN|KAF4925018.1 CVYL|A08392 FGRM|XP\_011317957.1 MGRA|XP\_003854486.1 MORY|QBZ54844.1 NCRA|XP\_011394738.1 SSCL|APA15244.1

>Orthogroup6967: BCIN|XP\_001551881.1 BGRA|VDB93464.1 CFRU|XP\_031876919.1 CGLO|KAF3810716.1 CHIG|XP\_018162573.1 CVIN|KAF4908237.1 CVYL|A07237 FGRM|XP\_011323990.1 MORY|QBZ62841.1 NCRA|XP\_011393918.1 SSCL|APA15219.1

>Orthogroup6968: BCIN|XP\_024553920.1 CFRU|XP\_031879763.1 CHIG|XP\_018153940.1 CVIN|KAF4916802.1 CVYL|A04910 FGRM|XP\_011325597.1 MLAR|XP\_007408578.1 MLAR|XP\_007409070.1 MLAR|XP\_007410199.1 MLAR|XP\_007416451.1 SSCL|APA15288.1

>Orthogroup6969: BCIN|XP\_001547796.1 CFRU|XP\_031887162.1 CGLO|KAF3809240.1 CHIG|XP\_018156071.1 CVIN|KAF4925294.1 CVYL|A01430 FGRM|XP\_011321910.1 MGRA|XP\_003856582.1 MORY|QBZ57389.1 NCRA|XP\_960964.2 SSCL|APA15432.1

>Orthogroup6970: BCIN|XP\_024553988.1 BGRA|VDB85943.1 CFRU|XP\_031886982.1 CGLO|KAF3811361.1 CHIG|XP\_018160569.1 CVIN|KAF4921027.1 CVYL|A04550 FGRM|XP\_011326868.1 MORY|QBZ62535.1 NCRA|XP\_961098.3 SSCL|APA15403.1

>Orthogroup6971: BCIN|XP\_001550815.1 BGRA|VDB84373.1 CFRU|XP\_031882188.1 CGLO|KAF3804421.1 CHIG|XP\_018160243.1 CVIN|KAF4930888.1 CVYL|A04126 FGRM|XP\_011326889.1 MORY|QBZ64741.1 NCRA|XP\_960864.2 SSCL|APA15349.1

>Orthogroup6972: BGRA|VCU38917.1 BGRA|VCU40992.1 BGRA|VCU41332.1 BGRA|VCU41333.1 BGRA|VDB88316.1 BGRA|VDB89166.1 BGRA|VDB89233.1 BGRA|VDB90754.1 BGRA|VDB91339.1 BGRA|VDB93249.1 BGRA|VDB93313.1

>Orthogroup6973: BGRA|VCU39405.1 BGRA|VCU40640.1 BGRA|VCU40703.1 BGRA|VCU40758.1 BGRA|VCU40759.1 BGRA|VCU40761.1 BGRA|VCU40762.1 BGRA|VCU40999.1 BGRA|VDB85660.1 BGRA|VDB94463.1 BGRA|VDB96433.1

>Orthogroup6974: BGRA|VCU40369.1 CFRU|XP\_031890836.1 CGLO|KAF3811735.1 CHIG|XP\_018163473.1 CVIN|KAF4922996.1 CVYL|A12750 FGRM|XP\_011317476.1 FGRM|XP\_011323335.1 FGRM|XP\_011325866.1 MGRA|XP\_003851663.1 SSCL|APA14976.1

>Orthogroup6975: BGRA|VCU40489.1 BGRA|VCU40579.1 BGRA|VCU40581.1 BGRA|VCU40582.1 BGRA|VCU40583.1 BGRA|VCU40594.1 BGRA|VCU40595.1 BGRA|VCU40596.1 BGRA|VCU40611.1 BGRA|VCU40906.1 BGRA|VDB91078.1

>Orthogroup6976: BGRA|VCU40515.1 BGRA|VCU40535.1 BGRA|VCU40542.1 BGRA|VCU40545.1 BGRA|VCU40549.1 BGRA|VCU40566.1 BGRA|VCU40900.1 BGRA|VDB92890.1 BGRA|VDB92892.1 BGRA|VDB92893.1 BGRA|VDB92900.1

>Orthogroup6977: BGRA|VCU40674.1 BGRA|VCU40683.1 BGRA|VCU40684.1 BGRA|VCU40949.1 BGRA|VCU40983.1 BGRA|VCU40986.1 BGRA|VCU41000.1 BGRA|VCU41002.1 BGRA|VDB90810.1 BGRA|VDB92701.1 BGRA|VDB96361.1

>Orthogroup6978: BGRA|VDB87682.1 CFRU|XP\_031884874.1 CGLO|KAF3812172.1 CHIG|XP\_018153398.1 CHIG|XP\_018163503.1 CVIN|KAF4918753.1 CVYL|A00218 FGRM|XP\_011325881.1 FGRM|XP\_011325883.1 FGRM|XP\_011325884.1 SSCL|APA12257.1

>Orthogroup6979: CFRU|XP\_031889024.1 CFRU|XP\_031892914.1 CVIN|KAF4909739.1 CVYL|A06905 FGRM|XP\_011323214.1 FGRM|XP\_011327637.1 MLAR|XP\_007406388.1 MLAR|XP\_007409802.1 MLAR|XP\_007417131.1 MORY|QBZ62447.1 NCRA|XP\_958814.2

>Orthogroup6980: CFRU|XP\_031875552.1 CFRU|XP\_031892202.1 CFRU|XP\_031893171.1 CGLO|KAF3801332.1 CGLO|KAF3808553.1 CHIG|XP\_018164804.1 CVIN|KAF4909741.1 CVIN|KAF4910753.1 CVYL|A07754 CVYL|A08114 FGRM|XP\_011322911.1

>Orthogroup6981: CFRU|XP\_031878817.1 CFRU|XP\_031893433.1 CGLO|KAF3802599.1 CGLO|KAF3809447.1 CHIG|XP\_018163540.1 CVIN|KAF4921250.1 CVIN|KAF4921253.1 CVYL|A01886 CVYL|A08230 CVYL|A08988 MGRA|XP\_003851414.1

>Orthogroup6982: CFRU|XP\_031886163.1 CFRU|XP\_031893531.1 CGLO|KAF3809468.1 CGLO|KAF3812003.1 CVIN|KAF4921285.1 CVIN|KAF4930439.1 CVYL|A05505 CVYL|A10036 FGRM|XP\_011319676.1 NCRA|XP\_958187.1 NCRA|XP\_964377.2

>Orthogroup6983: CFRU|XP\_031882213.1 CFRU|XP\_031893269.1 CGLO|KAF3804378.1 CGLO|KAF3809544.1 CHIG|XP\_018152639.1 CVIN|KAF4918326.1 CVIN|KAF4918570.1 CVYL|A04071 CVYL|A08478 NCRA|XP\_961706.1 NCRA|XP\_963611.3

>Orthogroup6984: CFRU|XP\_031892599.1 CFRU|XP\_031893099.1 CGLO|KAF3807939.1 CGLO|KAF3809622.1 CHIG|XP\_018152559.1 CHIG|XP\_018160143.1 CVIN|KAF4894350.1 CVIN|KAF4919188.1 CVYL|A00683 CVYL|A08421 MGRA|XP\_003855142.1

>Orthogroup6985: CFRU|XP\_031888867.1 CFRU|XP\_031893186.1 CGLO|KAF3799321.1 CGLO|KAF3809640.1 CHIG|XP\_018159917.1 CVIN|KAF4924783.1 CVYL|A04197 CVYL|A08413 MORY|QBZ55179.1 NCRA|XP\_011394196.1 NCRA|XP\_964832.1

>Orthogroup6986: CFRU|XP\_031880455.1 CFRU|XP\_031887681.1 CFRU|XP\_031893055.1 CFRU|XP\_031893057.1 CGLO|KAF3807178.1 CGLO|KAF3807274.1 CHIG|XP\_018161005.1 CVIN|KAF4928136.1 CVYL|A03583 CVYL|A10757 MGRA|XP\_003856103.1

>Orthogroup6987: CFRU|XP\_031888192.1 CFRU|XP\_031888682.1 CGLO|KAF3799285.1 CGLO|KAF3802087.1 CHIG|XP\_018154237.1 CVIN|KAF4917964.1 CVIN|KAF4924802.1 CVYL|A03300 CVYL|A04341 FGRM|XP\_011325787.1 FGRM|XP\_011325788.1

>Orthogroup6988: CFRU|XP\_031875953.1 CFRU|XP\_031888890.1 CGLO|KAF3805704.1 CHIG|XP\_018154478.1 CHIG|XP\_018159903.1 CHIG|XP\_018159904.1 CHIG|XP\_018163614.1 CVIN|KAF4907624.1 CVIN|KAF4924759.1 CVYL|A03964 CVYL|A09842

>Orthogroup6989: CFRU|XP\_031888653.1 CGLO|KAF3799324.1 CHIG|XP\_018155020.1 CHIG|XP\_018159920.1 CHIG|XP\_018161327.1 CVIN|KAF4924764.1 CVYL|A04231 MGRA|XP\_003847562.1 MGRA|XP\_003852309.1 MGRA|XP\_003854650.1 SSCL|APA12614.1

>Orthogroup6990: CFRU|XP\_031888811.1 CFRU|XP\_031890741.1 CGLO|KAF3804224.1 CHIG|XP\_018153757.1 CHIG|XP\_018158921.1 CVIN|KAF4923006.1 CVIN|KAF4930089.1 CVYL|A03900 CVYL|A12744 MORY|QBZ54830.1 MORY|QBZ57496.1

>Orthogroup6991: CFRU|XP\_031881000.1 CFRU|XP\_031888815.1 CGLO|KAF3800417.1 CGLO|KAF3804240.1 CHIG|XP\_018161310.1 CHIG|XP\_018161391.1 CVIN|KAF4930090.1 CVIN|KAF4930685.1 CVYL|A01809 CVYL|A03903 FGRM|XP\_011325462.1

>Orthogroup6992: CFRU|XP\_031888466.1 CGLO|KAF3797802.1 CHIG|XP\_018156478.1 CVIN|KAF4923159.1 CVYL|A03029 FGRM|XP\_011318792.1 MORY|QBZ56158.1 MORY|QBZ59620.1 MORY|QBZ60662.1 NCRA|XP\_001728135.2 NCRA|XP\_959855.1

>Orthogroup6993: CFRU|XP\_031888584.1 CGLO|KAF3803698.1 CGLO|KAF3811729.1 CHIG|XP\_018163753.1 CVIN|KAF4923000.1 CVIN|KAF4928574.1 CVYL|A14630 FGRM|XP\_011316020.1 MORY|QBZ54614.1 MORY|QBZ58600.1 NCRA|XP\_011393360.1

>Orthogroup6994: CFRU|XP\_031888286.1 CFRU|XP\_031888288.1 CFRU|XP\_031888289.1 CGLO|KAF3803713.1 CGLO|KAF3803714.1 CVIN|KAF4928583.1 CVIN|KAF4928585.1 CVYL|A14646 CVYL|A14647 CVYL|A14649 SSCL|APA12509.1

>Orthogroup6995: CFRU|XP\_031880570.1 CFRU|XP\_031887378.1 CFRU|XP\_031887944.1 CGLO|KAF3797590.1 CVIN|KAF4912181.1 CVYL|A03399 FGRM|XP\_011321879.1 MGRA|XP\_003854247.1 MORY|QBZ53690.1 MORY|QBZ58437.1 MORY|QBZ58502.1

>Orthogroup6996: CFRU|XP\_031887820.1 CFRU|XP\_031888043.1 CGLO|KAF3802054.1 CGLO|KAF3802060.1 CGLO|KAF3807039.1 CHIG|XP\_018163112.1 CVIN|KAF4901921.1 CVIN|KAF4917979.1 CVYL|A03327 CVYL|A03334 CVYL|A06333

>Orthogroup6997: CFRU|XP\_031887672.1 CFRU|XP\_031887834.1 CGLO|KAF3802069.1 CGLO|KAF3807157.1 CHIG|XP\_018154208.1 CHIG|XP\_018160990.1 CVIN|KAF4917586.1 CVYL|A03317 CVYL|A03560 FGRM|XP\_011322416.1 FGRM|XP\_011323007.1

>Orthogroup6998: CFRU|XP\_031887903.1 CFRU|XP\_031887904.1 CGLO|KAF3802306.1 CHIG|XP\_018154410.1 CVIN|KAF4896254.1 CVYL|A10751 FGRM|XP\_011319755.1 MORY|QBZ65810.1 MORY|QBZ65811.1 NCRA|XP\_965539.1 NCRA|XP\_965541.2

>Orthogroup6999: CFRU|XP\_031875647.1 CFRU|XP\_031876161.1 CGLO|KAF3802769.1 CVIN|KAF4912211.1 FGRM|XP\_011316675.1 MORY|QBZ54332.1 MORY|QBZ57585.1 MORY|QBZ58506.1 MORY|QBZ65258.1 MORY|QBZ66627.1 NCRA|XP\_964337.1

>Orthogroup7000: CFRU|XP\_031875550.1 CFRU|XP\_031891338.1 CGLO|KAF3797413.1 CGLO|KAF3808557.1 CHIG|XP\_018157371.1 CHIG|XP\_018164958.1 CVIN|KAF4906497.1 CVIN|KAF4929402.1 CVYL|A10264 MGRA|XP\_003852815.1 MORY|QBZ55195.1

>Orthogroup7001: CFRU|XP\_031875437.1 CFRU|XP\_031883811.1 CGLO|KAF3804987.1 CHIG|XP\_018163530.1 CHIG|XP\_018163608.1 CVIN|KAF4927113.1 CVYL|A06563 FGRM|XP\_011316078.1 FGRM|XP\_011316574.1 FGRM|XP\_011326831.1 NCRA|XP\_957474.1

>Orthogroup7002: CFRU|XP\_031886285.1 CGLO|KAF3806173.1 CHIG|XP\_018162162.1 CVIN|KAF4931480.1 CVYL|A11759 FGRM|XP\_011324084.1 MORY|QBZ62959.1 NCRA|XP\_001728550.2 NCRA|XP\_011393349.1 NCRA|XP\_011394050.1 SSCL|APA09707.1

>Orthogroup7003: CFRU|XP\_031883066.1 CFRU|XP\_031885995.1 CGLO|KAF3808272.1 CGLO|KAF3812016.1 CHIG|XP\_018155672.1 CHIG|XP\_018155779.1 CHIG|XP\_018162257.1 CVIN|KAF4891099.1 CVIN|KAF4930365.1 CVYL|A00609 CVYL|A05493

>Orthogroup7004: CFRU|XP\_031881406.1 CFRU|XP\_031885903.1 CGLO|KAF3805774.1 CHIG|XP\_018155335.1 CHIG|XP\_018163663.1 CVIN|KAF4898723.1 CVIN|KAF4926629.1 CVYL|A05610 CVYL|A06044 MORY|QBZ58989.1 NCRA|XP\_011394931.1

>Orthogroup7005: CFRU|XP\_031875330.1 CFRU|XP\_031878132.1 MORY|QBZ54805.1 SSCL|APA07047.1 SSCL|APA07966.1 SSCL|APA08064.1 SSCL|APA10030.1 SSCL|APA10970.1 SSCL|APA11525.1 SSCL|APA11925.1 SSCL|APA14509.1

>Orthogroup7006: CFRU|XP\_031877128.1 CFRU|XP\_031885601.1 CGLO|KAF3804019.1 CGLO|KAF3810048.1 CHIG|XP\_018150926.1 CHIG|XP\_018157767.1 CVIN|KAF4917923.1 CVIN|KAF4925180.1 CVYL|A02644 CVYL|A08785 FGRM|XP\_011326046.1

>Orthogroup7007: CFRU|XP\_031885642.1 CGLO|KAF3810070.1 CHIG|XP\_018157778.1 CVIN|KAF4912757.1 CVYL|A02666 FGRM|XP\_011318562.1 FGRM|XP\_011320955.1 MGRA|XP\_003857697.1 MLAR|XP\_007407757.1 MORY|QBZ54730.1 MORY|QBZ60195.1

>Orthogroup7008: CFRU|XP\_031892626.1 CGLO|KAF3797170.1 CHIG|XP\_018157334.1 CVIN|KAF4918855.1 CVYL|A10525 FGRM|XP\_011315833.1 FGRM|XP\_011322291.1 FGRM|XP\_011324471.1 FGRM|XP\_011325885.1 MORY|QBZ66137.1 NCRA|XP\_965770.2

>Orthogroup7009: CFRU|XP\_031883651.1 CFRU|XP\_031884373.1 CGLO|KAF3796965.1 CGLO|KAF3811923.1 CVIN|KAF4895623.1 CVIN|KAF4903962.1 CVYL|A05815 CVYL|A06141 FGRM|XP\_011317672.1 FGRM|XP\_011325978.1 MGRA|XP\_003850804.1

>Orthogroup7010: CFRU|XP\_031884093.1 CFRU|XP\_031884360.1 CGLO|KAF3799967.1 CGLO|KAF3811039.1 CHIG|XP\_018158163.1 CVIN|KAF4918136.1 CVIN|KAF4918167.1 CVIN|KAF4926881.1 CVYL|A09751 CVYL|A10183 MGRA|XP\_003850806.1

>Orthogroup7011: CFRU|XP\_031880783.1 CFRU|XP\_031884186.1 CGLO|KAF3803771.1 CGLO|KAF3806871.1 CHIG|XP\_018153144.1 CHIG|XP\_018159551.1 CVIN|KAF4895977.1 CVIN|KAF4917898.1 CVYL|A02517 CVYL|A14149 NCRA|XP\_011394614.1

>Orthogroup7012: CFRU|XP\_031883997.1 CFRU|XP\_031892184.1 CGLO|KAF3801313.1 CGLO|KAF3805682.1 CHIG|XP\_018164828.1 CVIN|KAF4920658.1 CVIN|KAF4921573.1 CVYL|A07772 CVYL|A09868 FGRM|XP\_011322311.1 FGRM|XP\_011322724.1

>Orthogroup7013: CFRU|XP\_031879667.1 CFRU|XP\_031883670.1 CGLO|KAF3798562.1 CGLO|KAF3811916.1 CHIG|XP\_018155141.1 CVIN|KAF4911837.1 CVIN|KAF4930121.1 CVYL|A04878 MORY|QBZ56864.1 MORY|QBZ63704.1 NCRA|XP\_956351.1

>Orthogroup7014: CFRU|XP\_031883476.1 CFRU|XP\_031891943.1 CGLO|KAF3808150.1 CGLO|KAF3810800.1 CHIG|XP\_018151933.1 CHIG|XP\_018158336.1 CHIG|XP\_018163033.1 CVIN|KAF4921779.1 CVIN|KAF4923172.1 CVYL|A02019 CVYL|A03067

>Orthogroup7015: CFRU|XP\_031879059.1 CFRU|XP\_031879060.1 CFRU|XP\_031883361.1 CGLO|KAF3798802.1 CGLO|KAF3800547.1 CHIG|XP\_018152126.1 CVIN|KAF4919599.1 CVIN|KAF4919600.1 CVIN|KAF4919601.1 CVYL|A09126 FGRM|XP\_011315960.1

>Orthogroup7016: CFRU|XP\_031883001.1 CFRU|XP\_031892271.1 CGLO|KAF3808184.1 CGLO|KAF3809761.1 CHIG|XP\_018163223.1 CHIG|XP\_018164981.1 CVIN|KAF4896765.1 CVIN|KAF4924294.1 CVYL|A00537 MORY|QBZ65393.1 NCRA|XP\_964441.1

>Orthogroup7017: CFRU|XP\_031883061.1 CFRU|XP\_031883161.1 CGLO|KAF3808287.1 CHIG|XP\_018163131.1 CHIG|XP\_018163132.1 CVIN|KAF4924041.1 CVIN|KAF4924088.1 CVYL|A00623 CVYL|A00624 MGRA|XP\_003854236.1 SSCL|APA10825.1

>Orthogroup7018: CFRU|XP\_031882972.1 CFRU|XP\_031890090.1 CGLO|KAF3807968.1 CGLO|KAF3810374.1 CHIG|XP\_018161710.1 CVIN|KAF4909117.1 CVIN|KAF4924069.1 CVYL|A00658 CVYL|A05738 FGRM|XP\_011322568.1 FGRM|XP\_011323330.1

>Orthogroup7019: CFRU|XP\_031882747.1 CGLO|KAF3806663.1 CHIG|XP\_018164789.1 CVIN|KAF4918904.1 CVYL|A05149 CVYL|A13753 CVYL|A14199 FGRM|XP\_011315877.1 FGRM|XP\_011322873.1 MORY|QBZ55316.1 NCRA|XP\_959098.1

>Orthogroup7020: CFRU|XP\_031878561.1 CFRU|XP\_031890137.1 CFRU|XP\_031891683.1 CGLO|KAF3798269.1 CGLO|KAF3798452.1 CVIN|KAF4916916.1 CVIN|KAF4920012.1 CVIN|KAF4920013.1 CVYL|A09251 CVYL|A11190 FGRM|XP\_011317626.1

>Orthogroup7021: CFRU|XP\_031890107.1 CFRU|XP\_031892137.1 CGLO|KAF3801344.1 CGLO|KAF3810406.1 CHIG|XP\_018156567.1 CHIG|XP\_018158388.1 CVIN|KAF4908474.1 CVIN|KAF4910738.1 CVYL|A07738 FGRM|XP\_011324243.1 MORY|QBZ55823.1

>Orthogroup7022: CFRU|XP\_031880424.1 CFRU|XP\_031892167.1 CGLO|KAF3807258.1 CGLO|KAF3809798.1 CHIG|XP\_018156930.1 CVIN|KAF4919310.1 CVIN|KAF4928192.1 CVYL|A06717 CVYL|A10738 MGRA|XP\_003850716.1 MORY|QBZ54895.1

>Orthogroup7023: CFRU|XP\_031891675.1 CGLO|KAF3798286.1 CVIN|KAF4925811.1 CVYL|A09942 FGRM|XP\_011328281.1 MGRA|XP\_003855678.1 MORY|QBZ54104.1 MORY|QBZ55225.1 MORY|QBZ55833.1 MORY|QBZ62303.1 NCRA|XP\_964789.1

>Orthogroup7024: CFRU|XP\_031877946.1 CFRU|XP\_031882514.1 CGLO|KAF3800020.1 CGLO|KAF3806046.1 CGLO|KAF3806047.1 CGLO|KAF3809437.1 CGLO|KAF3810930.1 CVIN|KAF4921382.1 CVYL|A02216 CVYL|A03107 CVYL|A09784

>Orthogroup7025: CFRU|XP\_031881796.1 CGLO|KAF3800668.1 CHIG|XP\_018156793.1 CVIN|KAF4922049.1 CVYL|A13049 MGRA|XP\_003852509.1 MLAR|XP\_007404624.1 MLAR|XP\_007415106.1 MORY|QBZ57796.1 MORY|QBZ60218.1 NCRA|XP\_957653.2

>Orthogroup7026: CFRU|XP\_031881320.1 CGLO|KAF3802450.1 CGLO|KAF3803916.1 CHIG|XP\_018152467.1 CHIG|XP\_018154188.1 CVIN|KAF4913914.1 CVIN|KAF4925441.1 CVYL|A02041 FGRM|XP\_011318634.1 FGRM|XP\_011319451.1 FGRM|XP\_011321679.1

>Orthogroup7027: CFRU|XP\_031876807.1 CFRU|XP\_031881017.1 CGLO|KAF3797956.1 CGLO|KAF3800434.1 CVIN|KAF4901307.1 CVIN|KAF4914939.1 CVYL|A01824 CVYL|A11242 MGRA|XP\_003853171.1 MGRA|XP\_003854981.1 MGRA|XP\_003855961.1

>Orthogroup7028: CFRU|XP\_031880925.1 CFRU|XP\_031889899.1 CGLO|KAF3806958.1 CGLO|KAF3810635.1 CHIG|XP\_018159637.1 CVIN|KAF4917791.1 CVIN|KAF4919170.1 CVYL|A06248 FGRM|XP\_011322691.1 MORY|QBZ58689.1 NCRA|XP\_963609.1

>Orthogroup7029: CFRU|XP\_031891165.1 CFRU|XP\_031891166.1 CFRU|XP\_031891450.1 CGLO|KAF3804570.1 CHIG|XP\_018161651.1 CHIG|XP\_018161652.1 CVIN|KAF4923069.1 CVIN|KAF4923075.1 CVIN|KAF4923076.1 CVYL|A05306 CVYL|A05307

>Orthogroup7030: CFRU|XP\_031880543.1 CGLO|KAF3811574.1 CHIG|XP\_018160839.1 CVIN|KAF4914880.1 CVYL|A03425 FGRM|XP\_011327933.1 MGRA|XP\_003849700.1 MLAR|XP\_007407367.1 MLAR|XP\_007410503.1 MORY|QBZ56615.1 NCRA|XP\_011394147.1

>Orthogroup7031: CFRU|XP\_031879528.1 CFRU|XP\_031879538.1 CGLO|KAF3802726.1 CGLO|KAF3802753.1 CHIG|XP\_018156652.1 CVIN|KAF4894652.1 CVIN|KAF4910772.1 CVYL|A08049 CVYL|A08077 MORY|QBZ62389.1 MORY|QBZ66685.1

>Orthogroup7032: CFRU|XP\_031889659.1 CFRU|XP\_031889660.1 CFRU|XP\_031890723.1 CFRU|XP\_031890725.1 CGLO|KAF3810629.1 CVIN|KAF4901597.1 CVIN|KAF4921120.1 CVIN|KAF4921121.1 CVYL|A12580 CVYL|A12582 CVYL|A13711

>Orthogroup7033: CFRU|XP\_031876205.1 CFRU|XP\_031876288.1 CFRU|XP\_031878810.1 CFRU|XP\_031879298.1 CGLO|KAF3802573.1 CGLO|KAF3808578.1 CVIN|KAF4905054.1 CVIN|KAF4917609.1 CVYL|A01861 CVYL|A11568 FGRM|XP\_011318061.1

>Orthogroup7034: CFRU|XP\_031878570.1 CFRU|XP\_031879355.1 CGLO|KAF3798461.1 CHIG|XP\_018161228.1 CVIN|KAF4920039.1 CVIN|KAF4926189.1 CVYL|A11182 CVYL|A11944 FGRM|XP\_011319758.1 FGRM|XP\_011322684.1 MGRA|XP\_003851937.1

>Orthogroup7035: CFRU|XP\_031879175.1 CFRU|XP\_031879238.1 CHIG|XP\_018159420.1 FGRM|XP\_011315755.1 FGRM|XP\_011317570.1 FGRM|XP\_011322466.1 FGRM|XP\_011322747.1 FGRM|XP\_011322951.1 FGRM|XP\_011323103.1 FGRM|XP\_011325198.1 FGRM|XP\_011325825.1

>Orthogroup7036: CFRU|XP\_031879172.1 CGLO|KAF3801385.1 CGLO|KAF3807025.1 CHIG|XP\_018159711.1 CHIG|XP\_018160088.1 CVIN|KAF4920286.1 CVYL|A06321 FGRM|XP\_011322203.1 MGRA|XP\_003852336.1 MGRA|XP\_003855814.1 MORY|QBZ57871.1

>Orthogroup7037: CFRU|XP\_031878875.1 CGLO|KAF3802611.1 CHIG|XP\_018161302.1 CHIG|XP\_018161303.1 CVIN|KAF4911609.1 CVYL|A01899 FGRM|XP\_011321449.1 MORY|QBZ64168.1 MORY|QBZ64169.1 MORY|QBZ65039.1 NCRA|XP\_962440.1

>Orthogroup7038: CFRU|XP\_031878111.1 CFRU|XP\_031878566.1 CGLO|KAF3798459.1 CGLO|KAF3801830.1 CHIG|XP\_018159307.1 CVIN|KAF4895036.1 CVIN|KAF4920020.1 CVYL|A11184 CVYL|A12876 FGRM|XP\_011322682.1 MORY|QBZ61173.1

>Orthogroup7039: CFRU|XP\_031890573.1 CGLO|KAF3806726.1 CHIG|XP\_018158702.1 CVIN|KAF4919496.1 CVYL|A14036 MORY|QBZ59425.1 MORY|QBZ64162.1 NCRA|XP\_956644.1 NCRA|XP\_959253.1 NCRA|XP\_962908.1 NCRA|XP\_964160.1

>Orthogroup7040: CFRU|XP\_031876144.1 CFRU|XP\_031878159.1 CGLO|KAF3801856.1 CGLO|KAF3810294.1 CHIG|XP\_018158006.1 CHIG|XP\_018159337.1 CVIN|KAF4901935.1 CVIN|KAF4918585.1 CVIN|KAF4919356.1 CVYL|A11258 CVYL|A12851

>Orthogroup7041: CFRU|XP\_031877939.1 CFRU|XP\_031877944.1 CGLO|KAF3803802.1 CGLO|KAF3808423.1 CGLO|KAF3810921.1 CGLO|KAF3810922.1 CHIG|XP\_018151597.1 CHIG|XP\_018156921.1 CVIN|KAF4909514.1 CVYL|A02223 CVYL|A11663

>Orthogroup7042: CFRU|XP\_031876782.1 CGLO|KAF3797721.1 CGLO|KAF3798279.1 CGLO|KAF3798550.1 CGLO|KAF3800031.1 CVYL|A05456 CVYL|A09917 CVYL|A09934 CVYL|A10005 CVYL|A11430 NCRA|XP\_958465.2

>Orthogroup7043: CFRU|XP\_031889293.1 CGLO|KAF3808706.1 CGLO|KAF3808707.1 CHIG|XP\_018161352.1 CVIN|KAF4929629.1 CVYL|A00969 MGRA|XP\_003851717.1 MORY|QBZ65257.1 NCRA|XP\_001728163.1 NCRA|XP\_959575.2 NCRA|XP\_964771.1

>Orthogroup7044: CFRU|XP\_031889488.1 CFRU|XP\_031889489.1 CGLO|KAF3797691.1 CHIG|XP\_018155479.1 CHIG|XP\_018155480.1 CHIG|XP\_018155481.1 CVIN|KAF4928323.1 CVYL|A01077 CVYL|A01078 CVYL|A04142 FGRM|XP\_011327380.1

>Orthogroup7045: CGLO|KAF3810264.1 CHIG|XP\_018154117.1 CHIG|XP\_018155854.1 CHIG|XP\_018158016.1 CHIG|XP\_018158017.1 CHIG|XP\_018163144.1 CHIG|XP\_018163443.1 FGRM|XP\_011315692.1 FGRM|XP\_011321728.1 MORY|QBZ58434.1 SSCL|APA07166.1

>Orthogroup7046: CHIG|XP\_018154678.1 NCRA|XP\_011394360.1 NCRA|XP\_958397.1 NCRA|XP\_958398.1 NCRA|XP\_958399.1 NCRA|XP\_958400.1 NCRA|XP\_958401.1 NCRA|XP\_958402.3 NCRA|XP\_958403.1 NCRA|XP\_958405.1 NCRA|XP\_958406.1

>Orthogroup7047: MGRA|XP\_003846888.1 MGRA|XP\_003847000.1 MGRA|XP\_003847066.1 MGRA|XP\_003847115.1 MGRA|XP\_003847193.1 MGRA|XP\_003847211.1 MGRA|XP\_003847301.1 MGRA|XP\_003847335.1 MGRA|XP\_003847341.1 MGRA|XP\_003847342.1 MGRA|XP\_003847385.1

>Orthogroup7048: MLAR|XP\_007404163.1 MLAR|XP\_007409185.1 MLAR|XP\_007410321.1 MLAR|XP\_007411550.1 MLAR|XP\_007413060.1 MLAR|XP\_007414483.1 MLAR|XP\_007417136.1 MLAR|XP\_007417826.1 MLAR|XP\_007417921.1 MLAR|XP\_007418045.1 MLAR|XP\_007419194.1

>Orthogroup7049: MLAR|XP\_007404139.1 MLAR|XP\_007412191.1 MLAR|XP\_007412326.1 MLAR|XP\_007412983.1 MLAR|XP\_007412995.1 MLAR|XP\_007413181.1 MLAR|XP\_007413251.1 MLAR|XP\_007413466.1 MLAR|XP\_007415148.1 MLAR|XP\_007415149.1 MLAR|XP\_007419280.1

>Orthogroup7050: MLAR|XP\_007403545.1 MLAR|XP\_007407001.1 MLAR|XP\_007407117.1 MLAR|XP\_007408556.1 MLAR|XP\_007409004.1 MLAR|XP\_007409215.1 MLAR|XP\_007413254.1 MLAR|XP\_007413377.1 MLAR|XP\_007414248.1 MLAR|XP\_007414740.1 MLAR|XP\_007419552.1

>Orthogroup7051: MLAR|XP\_007404052.1 MLAR|XP\_007404784.1 MLAR|XP\_007406475.1 MLAR|XP\_007406477.1 MLAR|XP\_007412670.1 MLAR|XP\_007412671.1 MLAR|XP\_007412672.1 MLAR|XP\_007412673.1 MLAR|XP\_007417196.1 MLAR|XP\_007417989.1 MLAR|XP\_007419815.1

>Orthogroup7052: MLAR|XP\_007403695.1 MLAR|XP\_007405409.1 MLAR|XP\_007405639.1 MLAR|XP\_007406506.1 MLAR|XP\_007410644.1 MLAR|XP\_007412875.1 MLAR|XP\_007414166.1 MLAR|XP\_007414963.1 MLAR|XP\_007415352.1 MLAR|XP\_007418129.1 MLAR|XP\_007419779.1

>Orthogroup7053: MLAR|XP\_007403972.1 MLAR|XP\_007405351.1 MLAR|XP\_007410111.1 MLAR|XP\_007410122.1 MLAR|XP\_007412590.1 MLAR|XP\_007413208.1 MLAR|XP\_007413494.1 MLAR|XP\_007414826.1 MLAR|XP\_007417662.1 MLAR|XP\_007417922.1 MLAR|XP\_007419626.1

>Orthogroup7054: MLAR|XP\_007404265.1 MLAR|XP\_007404266.1 MLAR|XP\_007404270.1 MLAR|XP\_007407361.1 MLAR|XP\_007407362.1 MLAR|XP\_007407640.1 MLAR|XP\_007409122.1 MLAR|XP\_007410027.1 MLAR|XP\_007411775.1 MLAR|XP\_007416948.1 MLAR|XP\_007418457.1

>Orthogroup7055: MLAR|XP\_007404693.1 MLAR|XP\_007405596.1 MLAR|XP\_007405604.1 MLAR|XP\_007406403.1 MLAR|XP\_007406625.1 MLAR|XP\_007407050.1 MLAR|XP\_007408002.1 MLAR|XP\_007408498.1 MLAR|XP\_007410398.1 MLAR|XP\_007412097.1 MLAR|XP\_007416157.1

>Orthogroup7056: MLAR|XP\_007404689.1 MLAR|XP\_007407990.1 MLAR|XP\_007409020.1 MLAR|XP\_007410997.1 MLAR|XP\_007411018.1 MLAR|XP\_007413227.1 MLAR|XP\_007414339.1 MLAR|XP\_007415924.1 MLAR|XP\_007418298.1 MLAR|XP\_007418353.1 MLAR|XP\_007419622.1

>Orthogroup7057: MLAR|XP\_007404670.1 MLAR|XP\_007407083.1 MLAR|XP\_007407458.1 MLAR|XP\_007410480.1 MLAR|XP\_007410481.1 MLAR|XP\_007410509.1 MLAR|XP\_007410550.1 MLAR|XP\_007411748.1 MLAR|XP\_007415357.1 MLAR|XP\_007415392.1 MLAR|XP\_007416556.1

>Orthogroup7058: MLAR|XP\_007405003.1 MLAR|XP\_007405024.1 MLAR|XP\_007405025.1 MLAR|XP\_007405123.1 MLAR|XP\_007405124.1 MLAR|XP\_007405129.1 MLAR|XP\_007405130.1 MLAR|XP\_007405131.1 MLAR|XP\_007405132.1 MLAR|XP\_007412967.1 MLAR|XP\_007418780.1

>Orthogroup7059: MLAR|XP\_007405356.1 MLAR|XP\_007408039.1 MLAR|XP\_007408040.1 MLAR|XP\_007408041.1 MLAR|XP\_007408043.1 MLAR|XP\_007408046.1 MLAR|XP\_007408049.1 MLAR|XP\_007408050.1 MLAR|XP\_007409302.1 MLAR|XP\_007418377.1 MLAR|XP\_007419169.1

>Orthogroup7060: MLAR|XP\_007405942.1 MLAR|XP\_007406846.1 MLAR|XP\_007407439.1 MLAR|XP\_007409956.1 MLAR|XP\_007413067.1 MLAR|XP\_007413168.1 MLAR|XP\_007414625.1 MLAR|XP\_007415080.1 MLAR|XP\_007415313.1 MLAR|XP\_007416981.1 MLAR|XP\_007418951.1

>Orthogroup7061: MLAR|XP\_007407447.1 MLAR|XP\_007407916.1 MLAR|XP\_007408643.1 MLAR|XP\_007410989.1 MLAR|XP\_007411250.1 MLAR|XP\_007415449.1 MLAR|XP\_007416291.1 MLAR|XP\_007418159.1 MLAR|XP\_007418275.1 MLAR|XP\_007418338.1 MLAR|XP\_007419358.1

>Orthogroup7062: MLAR|XP\_007407568.1 MLAR|XP\_007408837.1 MLAR|XP\_007408908.1 MLAR|XP\_007409761.1 MLAR|XP\_007409762.1 MLAR|XP\_007411525.1 MLAR|XP\_007413246.1 MLAR|XP\_007414922.1 MLAR|XP\_007415207.1 MLAR|XP\_007415971.1 MLAR|XP\_007419534.1

>Orthogroup7063: MLAR|XP\_007408633.1 MLAR|XP\_007413309.1 MLAR|XP\_007415100.1 MLAR|XP\_007415223.1 MLAR|XP\_007415913.1 MLAR|XP\_007416510.1 MLAR|XP\_007416692.1 MLAR|XP\_007417659.1 MLAR|XP\_007417660.1 MLAR|XP\_007417663.1 MLAR|XP\_007417665.1

>Orthogroup7064: MLAR|XP\_007410076.1 MLAR|XP\_007410974.1 MLAR|XP\_007411065.1 MLAR|XP\_007411330.1 MLAR|XP\_007411562.1 MLAR|XP\_007412036.1 MLAR|XP\_007412711.1 MLAR|XP\_007415076.1 MLAR|XP\_007415447.1 MLAR|XP\_007416884.1 MLAR|XP\_007417890.1

>Orthogroup7065: MLAR|XP\_007411435.1 MLAR|XP\_007413848.1 MLAR|XP\_007417408.1 MLAR|XP\_007417424.1 MLAR|XP\_007417425.1 MLAR|XP\_007417464.1 MLAR|XP\_007417465.1 MLAR|XP\_007417722.1 MLAR|XP\_007418200.1 MLAR|XP\_007418754.1 MLAR|XP\_007418763.1

>Orthogroup7066: MORY|QBZ53238.1 MORY|QBZ53241.1 MORY|QBZ53244.1 MORY|QBZ53247.1 MORY|QBZ53250.1 MORY|QBZ53253.1 MORY|QBZ53256.1 MORY|QBZ53259.1 MORY|QBZ53262.1 MORY|QBZ53265.1 MORY|QBZ53267.1

>Orthogroup7067: SSCL|APA08602.1 SSCL|APA10370.1 SSCL|APA10371.1 SSCL|APA10372.1 SSCL|APA10719.1 SSCL|APA11291.1 SSCL|APA13347.1 SSCL|APA14530.1 SSCL|APA15270.1 SSCL|APA15271.1 SSCL|APA15664.1

>Orthogroup7068: ANID|CBF69369.1 CFRU|XP\_031879872.1 CFRU|XP\_031884894.1 CGLO|KAF3803026.1 CHIG|XP\_018157079.1 CHIG|XP\_018165035.1 CHIG|XP\_018165036.1 CVIN|KAF4929975.1 CVYL|A00038 MGRA|XP\_003847961.1

>Orthogroup7069: ANID|CBF69507.1 BCIN|XP\_001559163.2 CFRU|XP\_031892312.1 CGLO|KAF3797271.1 CHIG|XP\_018157281.1 CVYL|A10420 FGRM|XP\_011320162.1 MGRA|XP\_003848959.1 MORY|QBZ65882.1 SSCL|APA15775.1

>Orthogroup7070: ANID|CBF69564.1 ANID|CBF69575.1 CFRU|XP\_031881514.1 CFRU|XP\_031891811.1 CGLO|KAF3805769.1 CHIG|XP\_018163652.1 CVIN|KAF4926623.1 CVYL|A06048 FGRM|XP\_011322559.1 FGRM|XP\_011328666.1

>Orthogroup7071: ANID|CBF69613.1 CFRU|XP\_031884269.1 CGLO|KAF3799954.1 CHIG|XP\_018153070.1 CVIN|KAF4903081.1 CVYL|A14195 FGRM|XP\_011323527.1 MGRA|XP\_003852848.1 MORY|QBZ63730.1 NCRA|XP\_011394064.1

>Orthogroup7072: ANID|CBF69969.1 ANID|CBF84227.1 CFRU|XP\_031889658.1 CGLO|KAF3810497.1 CHIG|XP\_018159120.1 CVIN|KAF4924673.1 CVYL|A14101 FGRM|XP\_011317589.1 FGRM|XP\_011320759.1 FGRM|XP\_011326055.1

>Orthogroup7073: ANID|CBF70000.1 BCIN|XP\_024550003.1 CFRU|XP\_031880480.1 CGLO|KAF3811562.1 CHIG|XP\_018160823.1 CVIN|KAF4926722.1 CVYL|A04773 MORY|QBZ56633.1 NCRA|XP\_011394148.1 SSCL|APA05331.1

>Orthogroup7074: ANID|CBF70120.1 ANID|CBF76211.1 ANID|CBF84425.1 CFRU|XP\_031878690.1 CHIG|XP\_018151136.1 CVIN|KAF4923598.1 CVYL|A09032 MGRA|XP\_003856262.1 MORY|QBZ54777.1 NCRA|XP\_962480.2

>Orthogroup7075: ANID|CBF70124.1 CFRU|XP\_031880289.1 CFRU|XP\_031883419.1 CGLO|KAF3801746.1 CGLO|KAF3808952.1 CHIG|XP\_018155809.1 CVIN|KAF4920723.1 CVYL|A01143 CVYL|A12956 FGRM|XP\_011315748.1

>Orthogroup7076: ANID|CBF70441.1 BCIN|XP\_001546206.1 CFRU|XP\_031879067.1 CHIG|XP\_018151181.1 CVIN|KAF4920310.1 CVYL|A09085 FGRM|XP\_011324238.1 MORY|QBZ59439.1 NCRA|XP\_957028.3 SSCL|APA13791.1

>Orthogroup7077: ANID|CBF70453.1 BCIN|XP\_001547578.1 BCIN|XP\_001552375.1 BCIN|XP\_024547957.1 MGRA|XP\_003852264.1 MLAR|XP\_007412706.1 MLAR|XP\_007417130.1 NCRA|XP\_011394715.1 SSCL|APA07466.1 SSCL|APA11197.1

>Orthogroup7078: ANID|CBF70526.1 CFRU|XP\_031893271.1 CGLO|KAF3809536.1 CHIG|XP\_018152631.1 CVIN|KAF4918563.1 CVYL|A08485 FGRM|XP\_011317944.1 MGRA|XP\_003849710.1 MORY|QBZ57756.1 NCRA|XP\_958725.1

>Orthogroup7079: ANID|CBF70540.1 BCIN|XP\_024547899.1 CFRU|XP\_031891289.1 CVIN|KAF4923361.1 CVYL|A05412 FGRM|XP\_011321508.1 MGRA|XP\_003854782.1 MORY|QBZ59666.1 NCRA|XP\_011393949.1 SSCL|APA08217.1

>Orthogroup7080: ANID|CBF70760.1 CFRU|XP\_031882414.1 CGLO|KAF3809429.1 CHIG|XP\_018156281.1 CVIN|KAF4921375.1 CVYL|A03100 FGRM|XP\_011319050.1 MGRA|XP\_003851880.1 MORY|QBZ56660.1 NCRA|XP\_961344.1

>Orthogroup7081: ANID|CBF70777.1 BCIN|XP\_024550952.1 CFRU|XP\_031887268.1 CGLO|KAF3809183.1 CHIG|XP\_018156006.1 CVYL|A01371 FGRM|XP\_011319176.1 MORY|QBZ56668.1 NCRA|XP\_960972.1 SSCL|APA11566.1

>Orthogroup7082: ANID|CBF70837.1 BCIN|XP\_024547833.1 BGRA|VCU38798.1 CFRU|XP\_031877802.1 CVIN|KAF4911634.1 CVYL|A07319 FGRM|XP\_011318551.1 MORY|QBZ62834.1 NCRA|XP\_957238.2 SSCL|APA08143.1

>Orthogroup7083: ANID|CBF70865.1 BCIN|XP\_024553974.1 CFRU|XP\_031886957.1 CGLO|KAF3811247.1 FGRM|XP\_011327097.1 MGRA|XP\_003850513.1 MLAR|XP\_007412316.1 MORY|QBZ64766.1 NCRA|XP\_011394628.1 SSCL|APA15409.1

>Orthogroup7084: ANID|CBF70923.1 BCIN|XP\_024547718.1 BGRA|VDB86246.1 CFRU|XP\_031877748.1 CGLO|KAF3810649.1 CHIG|XP\_018162402.1 CVIN|KAF4911627.1 MORY|QBZ55730.1 NCRA|XP\_963008.1 SSCL|APA07951.1

>Orthogroup7085: ANID|CBF71025.1 BCIN|XP\_024547925.1 BGRA|VDB86236.1 CFRU|XP\_031877756.1 CGLO|KAF3810654.1 CHIG|XP\_018162408.1 FGRM|XP\_011318535.1 MLAR|XP\_007406481.1 MORY|QBZ55723.1 SSCL|APA08250.1

>Orthogroup7086: ANID|CBF71172.1 BCIN|XP\_024550857.1 BGRA|VDB88163.1 CFRU|XP\_031880809.1 CGLO|KAF3807001.1 CHIG|XP\_018159662.1 CVYL|A06296 MGRA|XP\_003853562.1 MORY|QBZ59349.1 SSCL|APA11783.1

>Orthogroup7087: ANID|CBF71312.1 BCIN|XP\_001557993.1 BGRA|VDB92721.1 CFRU|XP\_031880704.1 CHIG|XP\_018161516.1 CVYL|A01686 FGRM|XP\_011318378.1 MORY|QBZ65141.1 NCRA|XP\_959394.2 SSCL|APA12697.1

>Orthogroup7088: ANID|CBF71395.1 CFRU|XP\_031889390.1 CGLO|KAF3808765.1 CGLO|KAF3808766.1 CHIG|XP\_018155673.1 CVIN|KAF4906987.1 CVYL|A00897 FGRM|XP\_011319154.1 MGRA|XP\_003851107.1 NCRA|XP\_961222.2

>Orthogroup7089: ANID|CBF71430.1 ANID|CBF85584.1 BCIN|XP\_001553923.2 FGRM|XP\_011321836.1 FGRM|XP\_011322177.1 FGRM|XP\_011322227.1 MGRA|XP\_003851435.1 MGRA|XP\_003855942.1 MORY|QBZ66525.1 SSCL|APA13122.1

>Orthogroup7090: ANID|CBF71531.1 BCIN|XP\_001552533.2 BGRA|VDB94888.1 CFRU|XP\_031886845.1 CVIN|KAF4921048.1 CVYL|A04538 MGRA|XP\_003855125.1 MLAR|XP\_007414737.1 NCRA|XP\_001728349.1 SSCL|APA10796.1

>Orthogroup7091: ANID|CBF71570.1 BCIN|XP\_024550357.1 BGRA|VDB94764.1 CFRU|XP\_031891202.1 CGLO|KAF3804526.1 CHIG|XP\_018159463.1 CVIN|KAF4924479.1 FGRM|XP\_011328806.1 MORY|QBZ64708.1 NCRA|XP\_011394842.1

>Orthogroup7092: ANID|CBF71722.1 BCIN|XP\_001560827.1 CFRU|XP\_031886847.1 CHIG|XP\_018160585.1 CVIN|KAF4921006.1 CVYL|A04536 FGRM|XP\_011326857.1 FGRM|XP\_011326858.1 NCRA|XP\_961097.3 SSCL|APA08058.1

>Orthogroup7093: ANID|CBF71756.1 CFRU|XP\_031885009.1 CFRU|XP\_031889100.1 CGLO|KAF3800293.1 CGLO|KAF3808893.1 CHIG|XP\_018162782.1 CVIN|KAF4914513.1 CVIN|KAF4927600.1 CVYL|A01183 MGRA|XP\_003856635.1

>Orthogroup7094: ANID|CBF71787.1 CFRU|XP\_031890432.1 CGLO|KAF3798136.1 CHIG|XP\_018158634.1 CVIN|KAF4926030.1 CVYL|A13970 FGRM|XP\_011319531.1 FGRM|XP\_011320642.1 MORY|QBZ56082.1 NCRA|XP\_964990.2

>Orthogroup7095: ANID|CBF71843.1 ANID|CBF74136.1 CFRU|XP\_031881450.1 CGLO|KAF3800937.1 CHIG|XP\_018153201.1 CVIN|KAF4920900.1 CVYL|A05967 FGRM|XP\_011327335.1 MGRA|XP\_003857046.1 MORY|QBZ61668.1

>Orthogroup7096: ANID|CBF71862.1 ANID|CBF76095.1 ANID|CBF80236.1 ANID|CBF80237.1 ANID|CBF82248.1 ANID|CBF82251.1 CFRU|XP\_031875328.1 CFRU|XP\_031884033.1 CHIG|XP\_018150488.1 FGRM|XP\_011315562.1

>Orthogroup7097: ANID|CBF73411.1 ANID|CBF84316.1 CFRU|XP\_031877397.1 CGLO|KAF3808432.1 CHIG|XP\_018162007.1 CVIN|KAF4931513.1 CVYL|A11712 FGRM|XP\_011325391.1 MORY|QBZ63745.1 NCRA|XP\_958718.1

>Orthogroup7098: ANID|CBF73511.1 CFRU|XP\_031875314.1 CFRU|XP\_031875315.1 CFRU|XP\_031875460.1 CFRU|XP\_031875546.1 CHIG|XP\_018150603.1 CHIG|XP\_018150633.1 CHIG|XP\_018150634.1 CHIG|XP\_018150721.1 FGRM|XP\_011323140.1

>Orthogroup7099: ANID|CBF73910.1 ANID|CBF76786.1 CFRU|XP\_031881739.1 CFRU|XP\_031890919.1 CGLO|KAF3801578.1 CVIN|KAF4918196.1 CVIN|KAF4921088.1 CVYL|A12555 CVYL|A13091 FGRM|XP\_011324378.1

>Orthogroup7100: ANID|CBF73961.1 ANID|CBF84419.1 CFRU|XP\_031876339.1 CGLO|KAF3801180.1 CHIG|XP\_018163280.1 CVIN|KAF4911053.1 CVYL|A06211 FGRM|XP\_011315664.1 FGRM|XP\_011317643.1 MGRA|XP\_003851031.1

>Orthogroup7101: ANID|CBF74089.1 BCIN|XP\_024546966.1 CFRU|XP\_031882266.1 CGLO|KAF3804452.1 CHIG|XP\_018160278.1 CVIN|KAF4930913.1 CVYL|A04161 MORY|QBZ64715.1 NCRA|XP\_961179.2 SSCL|APA05973.1

>Orthogroup7102: ANID|CBF74112.1 BCIN|XP\_001552881.1 BGRA|VCU40460.1 BGRA|VCU40461.1 FGRM|XP\_011327104.1 MLAR|XP\_007411609.1 MORY|QBZ57413.1 NCRA|XP\_960492.1 NCRA|XP\_961011.2 SSCL|APA06148.1

>Orthogroup7103: ANID|CBF74382.1 BCIN|XP\_001556553.1 CFRU|XP\_031885731.1 CHIG|XP\_018157816.1 CVIN|KAF4929129.1 CVYL|A02790 FGRM|XP\_011320377.1 MORY|QBZ62647.1 NCRA|XP\_960363.1 SSCL|APA06481.1

>Orthogroup7104: ANID|CBF74507.1 CFRU|XP\_031890523.1 CGLO|KAF3804849.1 CHIG|XP\_018164410.1 CVIN|KAF4900687.1 CVYL|A12220 FGRM|XP\_011316213.1 FGRM|XP\_011323264.1 MORY|QBZ62761.1 NCRA|XP\_963765.3

>Orthogroup7105: ANID|CBF74553.1 ANID|CBF86608.1 CFRU|XP\_031882990.1 CFRU|XP\_031892817.1 CGLO|KAF3800763.1 CGLO|KAF3807212.1 CHIG|XP\_018157018.1 CVIN|KAF4928200.1 CVYL|A00441 CVYL|A10682

>Orthogroup7106: ANID|CBF74632.1 BCIN|XP\_024552949.1 CFRU|XP\_031882387.1 CGLO|KAF3807622.1 CHIG|XP\_018156309.1 CVIN|KAF4921385.1 CVYL|A03129 FGRM|XP\_011319082.1 NCRA|XP\_960800.1 SSCL|APA07580.1

>Orthogroup7107: ANID|CBF74645.1 ANID|CBF76263.1 CFRU|XP\_031880108.1 CGLO|KAF3811798.1 CHIG|XP\_018151755.1 CVIN|KAF4924927.1 CVYL|A12804 FGRM|XP\_011321144.1 MORY|QBZ63163.1 NCRA|XP\_959484.3

>Orthogroup7108: ANID|CBF74839.1 CFRU|XP\_031886514.1 CGLO|KAF3806323.1 CGLO|KAF3809024.1 CHIG|XP\_018160075.1 CVIN|KAF4923969.1 CVYL|A01598 CVYL|A11914 FGRM|XP\_011320790.1 FGRM|XP\_011326582.1

>Orthogroup7109: ANID|CBF74890.1 CFRU|XP\_031885951.1 CFRU|XP\_031886076.1 CGLO|KAF3805515.1 CHIG|XP\_018155384.1 CHIG|XP\_018155385.1 CVIN|KAF4918302.1 CVYL|A05638 MGRA|XP\_003852517.1 MGRA|XP\_003854209.1

>Orthogroup7110: ANID|CBF74928.1 ANID|CBF87737.1 BCIN|XP\_001559820.1 CHIG|XP\_018161984.1 FGRM|XP\_011325200.1 MGRA|XP\_003855077.1 MORY|QBZ61860.1 MORY|QBZ64308.1 SSCL|APA08037.1 SSCL|APA09694.1

>Orthogroup7111: ANID|CBF74962.1 BCIN|XP\_001545809.1 CFRU|XP\_031883715.1 CHIG|XP\_018154957.1 CVIN|KAF4897559.1 CVYL|A02279 FGRM|XP\_011322197.1 MGRA|XP\_003856506.1 NCRA|XP\_963560.3 SSCL|APA16304.1

>Orthogroup7112: ANID|CBF75086.1 BCIN|XP\_001554922.1 CFRU|XP\_031890420.1 CGLO|KAF3804801.1 FGRM|XP\_011316968.1 MGRA|XP\_003851478.1 MLAR|XP\_007418227.1 MORY|QBZ63766.1 NCRA|XP\_965333.2 SSCL|APA08356.1

>Orthogroup7113: ANID|CBF75415.1 BCIN|XP\_001552766.1 CFRU|XP\_031877368.1 CGLO|KAF3799865.1 CHIG|XP\_018159771.1 CHIG|XP\_018164738.1 CHIG|XP\_018164826.1 CVIN|KAF4921706.1 CVYL|A09652 SSCL|APA05718.1

>Orthogroup7114: ANID|CBF75421.1 CFRU|XP\_031881909.1 CGLO|KAF3810004.1 CHIG|XP\_018157726.1 CVIN|KAF4913017.1 CVYL|A02605 FGRM|XP\_011328458.1 MGRA|XP\_003855872.1 MORY|QBZ58597.1 NCRA|XP\_001727997.1

>Orthogroup7115: ANID|CBF75506.1 BCIN|XP\_001553659.2 CFRU|XP\_031891950.1 CGLO|KAF3805586.1 CHIG|XP\_018164715.1 CVYL|A07615 FGRM|XP\_011324958.1 MORY|QBZ62321.1 NCRA|XP\_011395114.1 SSCL|APA13461.1

>Orthogroup7116: ANID|CBF75549.1 BCIN|XP\_024547187.1 BGRA|VCU39585.1 CFRU|XP\_031877612.1 CHIG|XP\_018153728.1 FGRM|XP\_011327799.1 MGRA|XP\_003848588.1 MORY|QBZ60612.1 NCRA|XP\_959792.1 SSCL|APA14111.1

>Orthogroup7117: ANID|CBF75623.1 BCIN|XP\_024547543.1 CFRU|XP\_031887096.1 CVIN|KAF4927210.1 CVYL|A04521 FGRM|XP\_011327219.1 MGRA|XP\_003855240.1 MORY|QBZ56976.1 NCRA|XP\_001728311.2 SSCL|APA07864.1

>Orthogroup7118: ANID|CBF75663.1 BCIN|XP\_024549844.1 BGRA|VDB92991.1 CHIG|XP\_018152725.1 MGRA|XP\_003853194.1 MORY|QBZ60561.1 MORY|QBZ60562.1 NCRA|XP\_956210.3 SSCL|APA05498.1 SSCL|APA06312.1

>Orthogroup7119: ANID|CBF75739.1 BCIN|XP\_001551211.1 CFRU|XP\_031885605.1 CHIG|XP\_018157763.1 CHIG|XP\_018164760.1 CVIN|KAF4917943.1 CVYL|A02640 FGRM|XP\_011326207.1 FGRM|XP\_011327509.1 MGRA|XP\_003849523.1

>Orthogroup7120: ANID|CBF75960.1 ANID|CBF79658.1 ANID|CBF80322.1 BCIN|XP\_001545354.2 CFRU|XP\_031889314.1 CGLO|KAF3808911.1 CHIG|XP\_018155781.1 CVIN|KAF4920733.1 CVYL|A01174 FGRM|XP\_011322040.1

>Orthogroup7121: ANID|CBF75962.1 ANID|CBF75964.1 BCIN|XP\_024549195.1 CFRU|XP\_031893084.1 CGLO|KAF3807254.1 CGLO|KAF3809574.1 CHIG|XP\_018163623.1 CVYL|A08455 FGRM|XP\_011323149.1 SSCL|APA15724.1

>Orthogroup7122: ANID|CBF76002.1 BCIN|XP\_001549499.1 CFRU|XP\_031889078.1 CGLO|KAF3808695.1 CHIG|XP\_018155558.1 CVIN|KAF4929571.1 FGRM|XP\_011321119.1 MORY|QBZ60098.1 NCRA|XP\_957403.1 SSCL|APA16211.1

>Orthogroup7123: ANID|CBF76075.1 BCIN|XP\_024550970.1 CFRU|XP\_031891971.1 CVIN|KAF4921935.1 CVYL|A02434 CVYL|A07837 FGRM|XP\_011318244.1 FGRM|XP\_011319431.1 FGRM|XP\_011325138.1 SSCL|APA11582.1

>Orthogroup7124: ANID|CBF76117.1 ANID|CBF88435.1 BCIN|XP\_024550835.1 CHIG|XP\_018161842.1 FGRM|XP\_011315602.1 FGRM|XP\_011322123.1 MGRA|XP\_003853268.1 MORY|QBZ62928.1 NCRA|XP\_958382.1 SSCL|APA11753.1

>Orthogroup7125: ANID|CBF76425.1 BCIN|XP\_001558559.1 CFRU|XP\_031883397.1 CHIG|XP\_018159198.1 CVIN|KAF4895616.1 FGRM|XP\_011320296.1 MGRA|XP\_003854659.1 MORY|QBZ59063.1 NCRA|XP\_001728297.1 SSCL|APA14648.1

>Orthogroup7126: ANID|CBF76453.1 BCIN|XP\_024551730.1 BGRA|VDB92595.1 CFRU|XP\_031884875.1 CVYL|A05916 FGRM|XP\_011321607.1 MLAR|XP\_007410115.1 MORY|QBZ63254.1 NCRA|XP\_011394109.1 SSCL|APA14588.1

>Orthogroup7127: ANID|CBF76585.1 BCIN|XP\_001548585.1 CFRU|XP\_031880327.1 CHIG|XP\_018155827.1 CVIN|KAF4920857.1 CVYL|A01584 FGRM|XP\_011319206.1 MORY|QBZ62016.1 NCRA|XP\_960794.1 SSCL|APA11740.1

>Orthogroup7128: ANID|CBF76605.1 BCIN|XP\_024547766.1 CFRU|XP\_031877741.1 CGLO|KAF3797366.1 CHIG|XP\_018157143.1 CVIN|KAF4929430.1 CVYL|A10323 FGRM|XP\_011327309.1 MORY|QBZ65529.1 SSCL|APA08027.1

>Orthogroup7129: ANID|CBF76703.1 BGRA|VDB84072.1 BGRA|VDB84094.1 BGRA|VDB90814.1 CFRU|XP\_031882077.1 CGLO|KAF3806019.1 CHIG|XP\_018164638.1 CVIN|KAF4917825.1 CVYL|A07493 FGRM|XP\_011318263.1

>Orthogroup7130: ANID|CBF76765.1 BCIN|XP\_024546042.1 CFRU|XP\_031892778.1 CGLO|KAF3797259.1 CHIG|XP\_018157255.1 CVIN|KAF4920711.1 CVYL|A10434 MORY|QBZ66015.1 NCRA|XP\_011393340.1 SSCL|APA07279.1

>Orthogroup7131: ANID|CBF76874.1 BCIN|XP\_024546053.1 CFRU|XP\_031888060.1 CGLO|KAF3802179.1 CHIG|XP\_018154304.1 CVIN|KAF4922764.1 CVYL|A03212 FGRM|XP\_011319827.1 MORY|QBZ60382.1 NCRA|XP\_964346.3

>Orthogroup7132: ANID|CBF76988.1 BCIN|XP\_024550332.1 CFRU|XP\_031877715.1 CGLO|KAF3797328.1 CHIG|XP\_018157178.1 CVIN|KAF4917670.1 CVYL|A10366 FGRM|XP\_011320247.1 NCRA|XP\_964288.2 SSCL|APA11006.1

>Orthogroup7133: ANID|CBF77035.1 BCIN|XP\_024550570.1 BGRA|VDB85951.1 CFRU|XP\_031891297.1 CGLO|KAF3797625.1 CHIG|XP\_018157417.1 CVYL|A11075 FGRM|XP\_011323013.1 NCRA|XP\_959155.2 SSCL|APA11365.1

>Orthogroup7134: ANID|CBF77150.1 BCIN|XP\_024549199.1 CFRU|XP\_031881659.1 CGLO|KAF3807431.1 CHIG|XP\_018156797.1 FGRM|XP\_011328307.1 MGRA|XP\_003847553.1 MORY|QBZ66196.1 NCRA|XP\_965224.1 SSCL|APA15732.1

>Orthogroup7135: ANID|CBF77154.1 BCIN|XP\_001560253.1 CFRU|XP\_031880437.1 CGLO|KAF3807307.1 CHIG|XP\_018156981.1 CVIN|KAF4918090.1 CVYL|A10793 FGRM|XP\_011328326.1 NCRA|XP\_964724.1 SSCL|APA15947.1

>Orthogroup7136: ANID|CBF77242.1 BCIN|XP\_024549268.1 CFRU|XP\_031882932.1 CFRU|XP\_031889241.1 CGLO|KAF3808824.1 CHIG|XP\_018155726.1 CVIN|KAF4909996.1 CVYL|A01254 MGRA|XP\_003856819.1 SSCL|APA08883.1

>Orthogroup7137: ANID|CBF77684.1 BCIN|XP\_024548530.1 BGRA|VDB86292.1 CFRU|XP\_031882592.1 CGLO|KAF3800482.1 CHIG|XP\_018152275.1 FGRM|XP\_011323676.1 MORY|QBZ54408.1 NCRA|XP\_956816.3 SSCL|APA12099.1

>Orthogroup7138: ANID|CBF77705.1 BCIN|XP\_001552598.1 CFRU|XP\_031887169.1 CHIG|XP\_018156076.1 CVIN|KAF4925296.1 CVYL|A01432 FGRM|XP\_011318956.1 MORY|QBZ57388.1 NCRA|XP\_961088.2 SSCL|APA11449.1

>Orthogroup7139: ANID|CBF77847.1 BCIN|XP\_024547821.1 CHIG|XP\_018160700.1 CVIN|KAF4917867.1 FGRM|XP\_011327238.1 MGRA|XP\_003850485.1 MLAR|XP\_007403965.1 MORY|QBZ54264.1 NCRA|XP\_011394530.1 SSCL|APA08128.1

>Orthogroup7140: ANID|CBF77925.1 BCIN|XP\_001554970.2 CFRU|XP\_031886516.1 CGLO|KAF3806248.1 CHIG|XP\_018162091.1 CVIN|KAF4931445.1 CVYL|A11838 FGRM|XP\_011324007.1 NCRA|XP\_011393831.1 SSCL|APA07767.1

>Orthogroup7141: ANID|CBF78072.1 CFRU|XP\_031892694.1 CGLO|KAF3797095.1 CHIG|XP\_018157064.1 CVIN|KAF4911386.1 CVYL|A10613 FGRM|XP\_011325065.1 MGRA|XP\_003857470.1 MLAR|XP\_007410794.1 NCRA|XP\_964650.2

>Orthogroup7142: ANID|CBF78161.1 BCIN|XP\_024550899.1 CFRU|XP\_031880409.1 CGLO|KAF3807300.1 CHIG|XP\_018156976.1 CVYL|A10770 FGRM|XP\_011328335.1 MORY|QBZ65666.1 NCRA|XP\_964585.2 SSCL|APA11902.1

>Orthogroup7143: ANID|CBF78219.1 BCIN|XP\_024550981.1 BGRA|VDB89823.1 CFRU|XP\_031892729.1 CHIG|XP\_018157290.1 FGRM|XP\_011320152.1 MLAR|XP\_007410938.1 MORY|QBZ65995.1 NCRA|XP\_011393235.1 SSCL|APA11591.1

>Orthogroup7144: ANID|CBF78263.1 BCIN|XP\_024551981.1 CFRU|XP\_031885915.1 CGLO|KAF3801175.1 CVYL|A06217 FGRM|XP\_011322604.1 FGRM|XP\_011328588.1 MGRA|XP\_003848125.1 NCRA|XP\_964155.1 SSCL|APA12681.1

>Orthogroup7145: ANID|CBF78348.1 BCIN|XP\_001553504.1 CFRU|XP\_031893510.1 CGLO|KAF3809589.1 CHIG|XP\_018152600.1 CVIN|KAF4919208.1 CVYL|A08446 FGRM|XP\_011318365.1 MGRA|XP\_003849937.1 SSCL|APA10863.1

>Orthogroup7146: ANID|CBF78369.1 BCIN|XP\_024552737.1 CFRU|XP\_031888218.1 CGLO|KAF3803662.1 CHIG|XP\_018163797.1 CVIN|KAF4928499.1 CVYL|A14594 FGRM|XP\_011320446.1 MORY|QBZ61126.1 SSCL|APA07472.1

>Orthogroup7147: ANID|CBF78371.1 BCIN|XP\_001547565.1 CFRU|XP\_031888215.1 CGLO|KAF3803661.1 CHIG|XP\_018163796.1 CVIN|KAF4928500.1 CVYL|A14593 FGRM|XP\_011320447.1 MORY|QBZ61127.1 SSCL|APA07473.1

>Orthogroup7148: ANID|CBF78429.1 CFRU|XP\_031875874.1 CFRU|XP\_031877434.1 CGLO|KAF3802671.1 CGLO|KAF3805337.1 CHIG|XP\_018163441.1 CVIN|KAF4894343.1 CVIN|KAF4931549.1 CVYL|A11720 CVYL|A13700

>Orthogroup7149: ANID|CBF78484.1 CFRU|XP\_031879093.1 CGLO|KAF3798311.1 CHIG|XP\_018160060.1 CVIN|KAF4920317.1 CVYL|A09052 FGRM|XP\_011321751.1 MGRA|XP\_003857710.1 MORY|QBZ53720.1 MORY|QBZ64286.1

>Orthogroup7150: ANID|CBF78786.1 CFRU|XP\_031884541.1 CFRU|XP\_031891887.1 CGLO|KAF3799080.1 CGLO|KAF3809771.1 CHIG|XP\_018158179.1 CVIN|KAF4915199.1 CVIN|KAF4918260.1 CVYL|A06692 CVYL|A11448

>Orthogroup7151: ANID|CBF78791.1 CFRU|XP\_031883862.1 CGLO|KAF3805171.1 CHIG|XP\_018163343.1 CVIN|KAF4927474.1 CVYL|A06579 FGRM|XP\_011315688.1 FGRM|XP\_011325813.1 MGRA|XP\_003856193.1 MORY|QBZ64654.1

>Orthogroup7152: ANID|CBF78835.1 BCIN|XP\_001552653.1 CFRU|XP\_031884004.1 CFRU|XP\_031887845.1 CGLO|KAF3802194.1 CGLO|KAF3805018.1 CHIG|XP\_018161698.1 CVIN|KAF4922756.1 CVIN|KAF4927097.1 CVYL|A06533

>Orthogroup7153: ANID|CBF78875.1 BCIN|XP\_001560209.1 CFRU|XP\_031878072.1 CGLO|KAF3799585.1 CHIG|XP\_018154581.1 CVIN|KAF4926509.1 CVYL|A13443 FGRM|XP\_011321754.1 MORY|QBZ55881.1 SSCL|APA15916.1

>Orthogroup7154: ANID|CBF79083.1 BCIN|XP\_024550624.1 CFRU|XP\_031879126.1 CGLO|KAF3798840.1 CHIG|XP\_018151191.1 CHIG|XP\_018153121.1 CVIN|KAF4919580.1 CVYL|A09094 FGRM|XP\_011315754.1 FGRM|XP\_011323254.1

>Orthogroup7155: ANID|CBF79103.1 CFRU|XP\_031877486.1 CHIG|XP\_018150964.1 CHIG|XP\_018161442.1 CVIN|KAF4920043.1 CVIN|KAF4932011.1 CVYL|A07143 CVYL|A11196 FGRM|XP\_011321062.1 SSCL|APA16115.1

>Orthogroup7156: ANID|CBF79139.1 ANID|CBF79698.1 BGRA|VDB89009.1 CFRU|XP\_031892749.1 CGLO|KAF3809074.1 CHIG|XP\_018155912.1 CVIN|KAF4919736.1 CVYL|A01637 FGRM|XP\_011323233.1 MORY|QBZ57334.1

>Orthogroup7157: ANID|CBF79518.1 BCIN|XP\_024549348.1 CFRU|XP\_031885624.1 CGLO|KAF3810192.1 CHIG|XP\_018157811.1 CVIN|KAF4929131.1 CVYL|A02784 FGRM|XP\_011320137.1 MORY|QBZ62638.1 SSCL|APA15784.1

>Orthogroup7158: ANID|CBF79579.1 BCIN|XP\_024552476.1 BGRA|VDB87686.1 CFRU|XP\_031885859.1 CHIG|XP\_018157845.1 FGRM|XP\_011320327.1 MLAR|XP\_007407162.1 MORY|QBZ61297.1 NCRA|XP\_011395096.1 SSCL|APA08536.1

>Orthogroup7159: ANID|CBF79726.1 BGRA|VDB88065.1 CFRU|XP\_031883301.1 CGLO|KAF3800502.1 CHIG|XP\_018152208.1 CVIN|KAF4919241.1 CVYL|A13211 FGRM|XP\_011321308.1 MORY|QBZ61097.1 NCRA|XP\_963634.1

>Orthogroup7160: ANID|CBF79741.1 CFRU|XP\_031887636.1 CGLO|KAF3803225.1 CHIG|XP\_018161076.1 CVIN|KAF4928672.1 CVYL|A03656 FGRM|XP\_011324215.1 MGRA|XP\_003849433.1 MORY|QBZ58804.1 NCRA|XP\_011394081.1

>Orthogroup7161: ANID|CBF79785.1 CFRU|XP\_031889394.1 CGLO|KAF3808758.1 CHIG|XP\_018155660.1 CVIN|KAF4906976.1 CVYL|A00903 FGRM|XP\_011326125.1 MGRA|XP\_003853311.1 MORY|QBZ65223.1 NCRA|XP\_011394969.1

>Orthogroup7162: ANID|CBF79858.1 CFRU|XP\_031879915.1 CGLO|KAF3799010.1 CHIG|XP\_018152914.1 CVIN|KAF4923446.1 CVYL|A07926 FGRM|XP\_011323474.1 MGRA|XP\_003850456.1 MORY|QBZ58588.1 NCRA|XP\_959558.3

>Orthogroup7163: ANID|CBF80056.1 BCIN|XP\_024550369.1 CFRU|XP\_031880359.1 CGLO|KAF3807342.1 CHIG|XP\_018156905.1 CVIN|KAF4920071.1 CVYL|A10813 FGRM|XP\_011325064.1 MGRA|XP\_003854387.1 NCRA|XP\_965744.3

>Orthogroup7164: ANID|CBF80086.1 CFRU|XP\_031891855.1 CGLO|KAF3809807.1 CHIG|XP\_018164949.1 CVIN|KAF4919312.1 CVYL|A06726 FGRM|XP\_011317178.1 MGRA|XP\_003853798.1 MORY|QBZ65398.1 NCRA|XP\_960035.3

>Orthogroup7165: ANID|CBF80261.1 BCIN|XP\_001549607.2 CFRU|XP\_031889834.1 CGLO|KAF3810564.1 CVIN|KAF4892084.1 CVYL|A13642 FGRM|XP\_011319730.1 MGRA|XP\_003847821.1 MGRA|XP\_003855644.1 SSCL|APA05329.1

>Orthogroup7166: ANID|CBF80361.1 BCIN|XP\_024549142.1 CFRU|XP\_031887560.1 CGLO|KAF3807140.1 CHIG|XP\_018160932.1 CVIN|KAF4920171.1 CVYL|A03538 MLAR|XP\_007403599.1 MORY|QBZ64548.1 SSCL|APA08811.1

>Orthogroup7167: ANID|CBF80383.1 BCIN|XP\_024547726.1 CFRU|XP\_031882420.1 CGLO|KAF3807552.1 CHIG|XP\_018156384.1 CVIN|KAF4928960.1 CVYL|A02931 FGRM|XP\_011318593.1 NCRA|XP\_961651.3 SSCL|APA07965.1

>Orthogroup7168: ANID|CBF80441.1 BCIN|XP\_001547131.1 CFRU|XP\_031881847.1 CGLO|KAF3800651.1 CHIG|XP\_018152017.1 CVIN|KAF4922052.1 CVIN|KAF4922053.1 CVYL|A13065 MORY|QBZ61273.1 SSCL|APA10747.1

>Orthogroup7169: ANID|CBF80514.1 BCIN|XP\_024547600.1 CFRU|XP\_031877189.1 CGLO|KAF3806418.1 CHIG|XP\_018162303.1 CVIN|KAF4918038.1 MGRA|XP\_003851033.1 MORY|QBZ56942.1 NCRA|XP\_961890.1 SSCL|APA07804.1

>Orthogroup7170: ANID|CBF80565.1 BCIN|XP\_024548480.1 CFRU|XP\_031889711.1 CGLO|KAF3810595.1 CHIG|XP\_018159005.1 CVIN|KAF4914217.1 CVYL|A13676 FGRM|XP\_011327723.1 MLAR|XP\_007416154.1 SSCL|APA12172.1

>Orthogroup7171: ANID|CBF80571.1 CFRU|XP\_031877886.1 CFRU|XP\_031886118.1 CGLO|KAF3805494.1 CGLO|KAF3810950.1 CVIN|KAF4913933.1 CVIN|KAF4928520.1 CVYL|A02199 CVYL|A05618 MGRA|XP\_003849139.1

>Orthogroup7172: ANID|CBF80575.1 CFRU|XP\_031877954.1 CFRU|XP\_031888833.1 CFRU|XP\_031890954.1 CGLO|KAF3799351.1 CGLO|KAF3810949.1 CVIN|KAF4910713.1 CVIN|KAF4928518.1 CVYL|A02200 CVYL|A04508

>Orthogroup7173: ANID|CBF80686.1 ANID|CBF89327.1 BCIN|XP\_001553881.2 CFRU|XP\_031880070.1 CFRU|XP\_031882093.1 CFRU|XP\_031883792.1 CGLO|KAF3797717.1 CVIN|KAF4917546.1 MORY|QBZ59770.1 SSCL|APA13056.1

>Orthogroup7174: ANID|CBF80838.1 CFRU|XP\_031875279.1 CFRU|XP\_031875291.1 CFRU|XP\_031876991.1 CFRU|XP\_031879170.1 CFRU|XP\_031884041.1 CGLO|KAF3799156.1 CGLO|KAF3802378.1 CHIG|XP\_018150597.1 CHIG|XP\_018161570.1

>Orthogroup7175: ANID|CBF80866.1 CFRU|XP\_031887620.1 CGLO|KAF3803248.1 CHIG|XP\_018161099.1 CVIN|KAF4928714.1 CVYL|A03680 FGRM|XP\_011317914.1 MGRA|XP\_003847534.1 MORY|QBZ54134.1 NCRA|XP\_959763.1

>Orthogroup7176: ANID|CBF80894.1 BCIN|XP\_001558872.1 CFRU|XP\_031883359.1 CHIG|XP\_018152133.1 CVIN|KAF4923819.1 CVYL|A13164 FGRM|XP\_011315967.1 MORY|QBZ60309.1 NCRA|XP\_956912.3 SSCL|APA05774.1

>Orthogroup7177: ANID|CBF80898.1 BCIN|XP\_001558831.1 BGRA|VDB93794.1 CFRU|XP\_031883443.1 CHIG|XP\_018152098.1 CVIN|KAF4927063.1 CVYL|A13133 FGRM|XP\_011325670.1 NCRA|XP\_011393703.1 SSCL|APA05983.1

>Orthogroup7178: ANID|CBF80937.1 BCIN|XP\_024549749.1 CFRU|XP\_031885523.1 CHIG|XP\_018152326.1 CVIN|KAF4931903.1 CVYL|A13308 FGRM|XP\_011325513.1 MORY|QBZ54305.1 NCRA|XP\_963145.3 SSCL|APA05683.1

>Orthogroup7179: ANID|CBF81048.1 ANID|CBF89694.1 BCIN|XP\_024551333.1 CFRU|XP\_031877181.1 CGLO|KAF3806445.1 CHIG|XP\_018162333.1 CVIN|KAF4918060.1 CVYL|A12042 FGRM|XP\_011323948.1 NCRA|XP\_011394019.1

>Orthogroup7180: ANID|CBF81050.1 BCIN|XP\_024552614.1 CFRU|XP\_031879708.1 CGLO|KAF3798575.1 CHIG|XP\_018153958.1 CVIN|KAF4930165.1 CVYL|A04866 FGRM|XP\_011325426.1 NCRA|XP\_958653.1 SSCL|APA08733.1

>Orthogroup7181: ANID|CBF81359.1 BCIN|XP\_001547997.2 CFRU|XP\_031877641.1 CGLO|KAF3801086.1 CHIG|XP\_018153737.1 CVYL|A00001 FGRM|XP\_011327785.1 MORY|QBZ60596.1 NCRA|XP\_959779.3 SSCL|APA14252.1

>Orthogroup7182: ANID|CBF81361.1 BCIN|XP\_024549555.1 BGRA|VDB83754.1 CFRU|XP\_031882004.1 CGLO|KAF3806145.1 CHIG|XP\_018164517.1 CVIN|KAF4907021.1 CVYL|A07362 FGRM|XP\_011325000.1 SSCL|APA13915.1

>Orthogroup7183: ANID|CBF81466.1 BCIN|XP\_024548284.1 CFRU|XP\_031887154.1 CGLO|KAF3809224.1 CHIG|XP\_018156051.1 CVIN|KAF4925331.1 CVYL|A01414 FGRM|XP\_011319058.1 MORY|QBZ59077.1 NCRA|XP\_960834.1

>Orthogroup7184: ANID|CBF81791.1 CFRU|XP\_031883943.1 CFRU|XP\_031889094.1 CGLO|KAF3805014.1 CGLO|KAF3808894.1 CHIG|XP\_018163518.1 CVIN|KAF4914512.1 CVIN|KAF4927130.1 CVYL|A01185 CVYL|A06534

>Orthogroup7185: ANID|CBF81798.1 BCIN|XP\_024548898.1 CFRU|XP\_031876036.1 CHIG|XP\_018158837.1 CVIN|KAF4918673.1 FGRM|XP\_011316663.1 MGRA|XP\_003852908.1 MORY|QBZ60360.1 NCRA|XP\_965251.2 SSCL|APA09385.1

>Orthogroup7186: ANID|CBF81889.1 BCIN|XP\_001551185.1 CFRU|XP\_031887495.1 CGLO|KAF3807168.1 CHIG|XP\_018160993.1 CVIN|KAF4917576.1 CVYL|A03571 MORY|QBZ58773.1 NCRA|XP\_962408.1 SSCL|APA13213.1

>Orthogroup7187: ANID|CBF82004.1 CFRU|XP\_031884037.1 CFRU|XP\_031892502.1 CGLO|KAF3797040.1 CHIG|XP\_018157000.1 CVIN|KAF4905035.1 CVYL|A10666 FGRM|XP\_011315903.1 MORY|QBZ65630.1 NCRA|XP\_964722.2

>Orthogroup7188: ANID|CBF82031.1 CFRU|XP\_031888733.1 CGLO|KAF3804131.1 CHIG|XP\_018159971.1 CVIN|KAF4910275.1 CVYL|A03574 FGRM|XP\_011322995.1 NCRA|XP\_011392876.1 SSCL|APA15829.1 SSCL|APA16089.1

>Orthogroup7189: ANID|CBF82036.1 CFRU|XP\_031878894.1 CFRU|XP\_031882329.1 CGLO|KAF3804368.1 CGLO|KAF3807857.1 CHIG|XP\_018160155.1 CVIN|KAF4918336.1 CVYL|A00754 CVYL|A04048 FGRM|XP\_011327375.1

>Orthogroup7190: ANID|CBF82050.1 BCIN|XP\_024551261.1 CFRU|XP\_031887581.1 CGLO|KAF3803263.1 CVIN|KAF4928695.1 CVYL|A03698 FGRM|XP\_011321943.1 FGRM|XP\_011322022.1 NCRA|XP\_962081.1 SSCL|APA10288.1

>Orthogroup7191: ANID|CBF82090.1 CFRU|XP\_031878270.1 CGLO|KAF3798047.1 CHIG|XP\_018158094.1 CVIN|KAF4928008.1 CVYL|A08309 FGRM|XP\_011320740.1 FGRM|XP\_011328460.1 MORY|QBZ62733.1 NCRA|XP\_957654.1

>Orthogroup7192: ANID|CBF82156.1 CFRU|XP\_031888777.1 CGLO|KAF3797937.1 CHIG|XP\_018154475.1 CHIG|XP\_018161045.1 FGRM|XP\_011315751.1 FGRM|XP\_011320812.1 MGRA|XP\_003851438.1 MGRA|XP\_003854388.1 MORY|QBZ57537.1

>Orthogroup7193: ANID|CBF82427.1 CFRU|XP\_031885665.1 CGLO|KAF3810234.1 CHIG|XP\_018157881.1 CVIN|KAF4929148.1 CVYL|A02834 FGRM|XP\_011328248.1 MGRA|XP\_003848932.1 MORY|QBZ60118.1 NCRA|XP\_960186.1

>Orthogroup7194: ANID|CBF82471.1 BCIN|XP\_001550650.1 CFRU|XP\_031889770.1 CHIG|XP\_018158851.1 CVIN|KAF4911349.1 CVYL|A13868 MGRA|XP\_003857741.1 MLAR|XP\_007415472.1 NCRA|XP\_965259.1 SSCL|APA09354.1

>Orthogroup7195: ANID|CBF82512.1 BCIN|XP\_001551262.1 BGRA|VCU41222.1 CFRU|XP\_031882403.1 CGLO|KAF3807526.1 CHIG|XP\_018156411.1 FGRM|XP\_011318604.1 MORY|QBZ63660.1 NCRA|XP\_959747.1 SSCL|APA07541.1

>Orthogroup7196: ANID|CBF82521.1 BCIN|XP\_024553044.1 BGRA|VCU41257.1 BGRA|VCU41258.1 BGRA|VCU41268.1 BGRA|VCU41273.1 BGRA|VDB86271.1 BGRA|VDB89570.1 MLAR|XP\_007417100.1 SSCL|APA16161.1

>Orthogroup7197: ANID|CBF82536.1 BCIN|XP\_001552821.1 BGRA|VCU39735.1 CFRU|XP\_031882432.1 CHIG|XP\_018156419.1 CVIN|KAF4928928.1 CVYL|A02965 MORY|QBZ63668.1 NCRA|XP\_957105.1 SSCL|APA07601.1

>Orthogroup7198: ANID|CBF82565.1 BCIN|XP\_024552922.1 CFRU|XP\_031882458.1 CHIG|XP\_018156404.1 CVIN|KAF4928874.1 CVYL|A02950 FGRM|XP\_011318596.1 MORY|QBZ63649.1 NCRA|XP\_011395203.1 SSCL|APA07539.1

>Orthogroup7199: ANID|CBF82745.1 CFRU|XP\_031879140.1 CGLO|KAF3807080.1 CHIG|XP\_018151243.1 CHIG|XP\_018159734.1 CVIN|KAF4919048.1 CVYL|A06374 FGRM|XP\_011320679.1 NCRA|XP\_957004.1 SSCL|APA14217.1

>Orthogroup7200: ANID|CBF82777.1 ANID|CBF89557.1 FGRM|XP\_011322135.1 MORY|QBZ56829.1 MORY|QBZ59362.1 MORY|QBZ60633.1 MORY|QBZ60681.1 MORY|QBZ65048.1 MORY|QBZ66354.1 NCRA|XP\_962482.1

>Orthogroup7201: ANID|CBF83011.1 CFRU|XP\_031891863.1 CGLO|KAF3800078.1 CHIG|XP\_018162528.1 CHIG|XP\_018165022.1 CVIN|KAF4891446.1 CVYL|A06777 FGRM|XP\_011326702.1 MGRA|XP\_003849393.1 NCRA|XP\_960208.1

>Orthogroup7202: ANID|CBF83020.1 CFRU|XP\_031884016.1 CFRU|XP\_031884527.1 CGLO|KAF3796953.1 CGLO|KAF3805053.1 CHIG|XP\_018163463.1 CVIN|KAF4891599.1 CVIN|KAF4902225.1 CVYL|A06506 FGRM|XP\_011315760.1

>Orthogroup7203: ANID|CBF83031.1 CFRU|XP\_031881353.1 CFRU|XP\_031883910.1 CGLO|KAF3805054.1 CHIG|XP\_018163462.1 CVIN|KAF4902224.1 CVYL|A06505 MORY|QBZ60841.1 NCRA|XP\_959260.2 NCRA|XP\_963596.2

>Orthogroup7204: ANID|CBF83049.1 CFRU|XP\_031875935.1 CFRU|XP\_031880019.1 CGLO|KAF3798974.1 CHIG|XP\_018151676.1 CHIG|XP\_018152838.1 CHIG|XP\_018152839.1 CHIG|XP\_018159354.1 CVIN|KAF4923475.1 CVYL|A07893

>Orthogroup7205: ANID|CBF83120.1 BCIN|XP\_024552724.1 CFRU|XP\_031888659.1 CGLO|KAF3804306.1 CHIG|XP\_018160104.1 CVIN|KAF4920103.1 CVYL|A03991 MGRA|XP\_003849221.1 NCRA|XP\_958064.1 SSCL|APA07457.1

>Orthogroup7206: ANID|CBF83126.1 BCIN|XP\_024547650.1 CFRU|XP\_031875712.1 CGLO|KAF3798151.1 CHIG|XP\_018159981.1 CVIN|KAF4919142.1 CVYL|A04962 FGRM|XP\_011323542.1 FGRM|XP\_011328362.1 MORY|QBZ63352.1

>Orthogroup7207: ANID|CBF83177.1 BCIN|XP\_001551049.1 CFRU|XP\_031881256.1 CHIG|XP\_018154754.1 CVIN|KAF4916881.1 CVYL|A02045 FGRM|XP\_011324636.1 MGRA|XP\_003847736.1 MORY|QBZ60161.1 SSCL|APA14279.1

>Orthogroup7208: ANID|CBF83245.1 BCIN|XP\_024548719.1 CFRU|XP\_031879474.1 CGLO|KAF3799642.1 CHIG|XP\_018154651.1 CVIN|KAF4926482.1 CVYL|A13504 FGRM|XP\_011317260.1 MORY|QBZ61016.1 SSCL|APA09993.1

>Orthogroup7209: ANID|CBF83284.1 BCIN|XP\_001556250.2 CFRU|XP\_031880377.1 CGLO|KAF3807277.1 CHIG|XP\_018156953.1 CVIN|KAF4928163.1 CVYL|A10760 FGRM|XP\_011320004.1 MGRA|XP\_003848714.1 SSCL|APA09000.1

>Orthogroup7210: ANID|CBF83336.1 BCIN|XP\_024550558.1 BGRA|VDB86002.1 CFRU|XP\_031892346.1 CHIG|XP\_018157336.1 FGRM|XP\_011320056.1 MLAR|XP\_007411513.1 MORY|QBZ66134.1 NCRA|XP\_011393418.1 SSCL|APA11355.1

>Orthogroup7211: ANID|CBF83350.1 CFRU|XP\_031888888.1 CGLO|KAF3799291.1 CHIG|XP\_018159871.1 CVIN|KAF4924790.1 CVYL|A03831 FGRM|XP\_011324534.1 MGRA|XP\_003847529.1 MORY|QBZ63443.1 NCRA|XP\_960982.3

>Orthogroup7212: ANID|CBF83428.1 BCIN|XP\_001550347.1 CFRU|XP\_031889585.1 CHIG|XP\_018158858.1 CVIN|KAF4907188.1 CVYL|A13860 FGRM|XP\_011316439.1 MORY|QBZ60483.1 NCRA|XP\_965679.1 SSCL|APA10050.1

>Orthogroup7213: ANID|CBF83433.1 BCIN|XP\_024552957.1 CFRU|XP\_031892831.1 CGLO|KAF3809106.1 CHIG|XP\_018155927.1 CVIN|KAF4922094.1 FGRM|XP\_011319028.1 MORY|QBZ57473.1 NCRA|XP\_011394475.1 SSCL|APA16135.1

>Orthogroup7214: ANID|CBF83546.1 CFRU|XP\_031877485.1 CGLO|KAF3798438.1 CHIG|XP\_018161256.1 CVIN|KAF4920047.1 CVYL|A11199 FGRM|XP\_011325464.1 MGRA|XP\_003851707.1 NCRA|XP\_958329.1 SSCL|APA13945.1

>Orthogroup7215: ANID|CBF83787.1 BCIN|XP\_024547289.1 CFRU|XP\_031879759.1 CGLO|KAF3798218.1 CHIG|XP\_018153935.1 CVIN|KAF4916806.1 CVYL|A04903 FGRM|XP\_011324700.1 MORY|QBZ60778.1 SSCL|APA14247.1

>Orthogroup7216: ANID|CBF83924.1 BCIN|XP\_024553300.1 CFRU|XP\_031880640.1 CGLO|KAF3809941.1 CHIG|XP\_018161521.1 CVIN|KAF4930660.1 CVYL|A01682 MORY|QBZ65137.1 NCRA|XP\_959400.1 SSCL|APA13522.1

>Orthogroup7217: ANID|CBF83999.1 BCIN|XP\_001555197.1 CFRU|XP\_031877393.1 CGLO|KAF3808444.1 CHIG|XP\_018162003.1 CVIN|KAF4915215.1 CVYL|A11697 FGRM|XP\_011322597.1 MORY|QBZ56156.1 SSCL|APA09183.1

>Orthogroup7218: ANID|CBF84006.1 BCIN|XP\_001548785.2 CFRU|XP\_031883137.1 CGLO|KAF3800756.1 CHIG|XP\_018163326.1 CVIN|KAF4919629.1 CVYL|A00449 FGRM|XP\_011318246.1 FGRM|XP\_011325948.1 MORY|QBZ54910.1

>Orthogroup7219: ANID|CBF84022.1 CFRU|XP\_031884738.1 CGLO|KAF3812140.1 CHIG|XP\_018153368.1 CVIN|KAF4918745.1 CVYL|A00256 CVYL|A00259 FGRM|XP\_011318032.1 MORY|QBZ58419.1 NCRA|XP\_001728194.2

>Orthogroup7220: ANID|CBF84203.1 ANID|CBF85161.1 CFRU|XP\_031888154.1 CGLO|KAF3797600.1 CHIG|XP\_018153925.1 CVIN|KAF4899205.1 CVYL|A03391 FGRM|XP\_011327753.1 MGRA|XP\_003851491.1 MORY|QBZ55243.1

>Orthogroup7221: ANID|CBF84495.1 CFRU|XP\_031890196.1 CFRU|XP\_031892303.1 CGLO|KAF3797132.1 CGLO|KAF3802829.1 CHIG|XP\_018158433.1 CVIN|KAF4896914.1 CVIN|KAF4905804.1 CVYL|A05183 CVYL|A10568

>Orthogroup7222: ANID|CBF84508.1 CFRU|XP\_031879954.1 CGLO|KAF3798930.1 CGLO|KAF3801188.1 CHIG|XP\_018152889.1 CVIN|KAF4908220.1 CVYL|A07850 FGRM|XP\_011319366.1 MGRA|XP\_003848361.1 MORY|QBZ53389.1

>Orthogroup7223: ANID|CBF84555.1 BCIN|XP\_024551973.1 CFRU|XP\_031877114.1 CGLO|KAF3804003.1 CHIG|XP\_018150939.1 CVIN|KAF4925169.1 CVYL|A08798 FGRM|XP\_011322841.1 NCRA|XP\_960115.1 SSCL|APA12695.1

>Orthogroup7224: ANID|CBF84838.1 BCIN|XP\_024546646.1 CFRU|XP\_031885616.1 CHIG|XP\_018157813.1 CVIN|KAF4929133.1 CVYL|A02786 FGRM|XP\_011320380.1 MORY|QBZ62650.1 NCRA|XP\_960360.1 SSCL|APA06479.1

>Orthogroup7225: ANID|CBF84912.1 CFRU|XP\_031883577.1 CGLO|KAF3800216.1 CHIG|XP\_018155123.1 CVIN|KAF4920412.1 CVYL|A06070 FGRM|XP\_011317557.1 FGRM|XP\_011318279.1 FGRM|XP\_011322033.1 FGRM|XP\_011328678.1

>Orthogroup7226: ANID|CBF85080.1 BCIN|XP\_001553709.1 CFRU|XP\_031876507.1 CGLO|KAF3797002.1 CHIG|XP\_018153682.1 CVYL|A00369 FGRM|XP\_011317165.1 MORY|QBZ63944.1 NCRA|XP\_963747.2 SSCL|APA13505.1

>Orthogroup7227: ANID|CBF85124.1 BCIN|XP\_001550651.1 CFRU|XP\_031889769.1 CVIN|KAF4911344.1 CVYL|A13866 FGRM|XP\_011316443.1 MGRA|XP\_003853153.1 MORY|QBZ62578.1 NCRA|XP\_965258.1 SSCL|APA09353.1

>Orthogroup7228: ANID|CBF85256.1 BCIN|XP\_024546284.1 BGRA|VDB90827.1 CFRU|XP\_031888337.1 CHIG|XP\_018164125.1 CVIN|KAF4922288.1 CVYL|A14495 FGRM|XP\_011326501.1 NCRA|XP\_964461.1 SSCL|APA06941.1

>Orthogroup7229: ANID|CBF85306.1 BGRA|VCU39891.1 CFRU|XP\_031886802.1 CGLO|KAF3807484.1 CHIG|XP\_018158751.1 CVIN|KAF4907615.1 CVYL|A05006 FGRM|XP\_011315941.1 MGRA|XP\_003857301.1 NCRA|XP\_965325.2

>Orthogroup7230: ANID|CBF85438.1 BCIN|XP\_001559476.2 CFRU|XP\_031876361.1 CFRU|XP\_031883117.1 CGLO|KAF3808218.1 CGLO|KAF3811865.1 CVIN|KAF4924319.1 CVYL|A00562 CVYL|A06195 FGRM|XP\_011322269.1

>Orthogroup7231: ANID|CBF85774.1 BCIN|XP\_024552096.1 CFRU|XP\_031886561.1 CGLO|KAF3804045.1 CHIG|XP\_018156790.1 CVIN|KAF4927637.1 CVYL|A07001 CVYL|A07002 FGRM|XP\_011327595.1 MORY|QBZ56205.1

>Orthogroup7232: ANID|CBF85890.1 BCIN|XP\_001557693.2 BGRA|VCU40933.1 CFRU|XP\_031887274.1 CHIG|XP\_018156019.1 FGRM|XP\_011319114.1 MGRA|XP\_003856070.1 MORY|QBZ62561.1 NCRA|XP\_960830.2 SSCL|APA12225.1

>Orthogroup7233: ANID|CBF85992.1 BCIN|XP\_001555410.1 CFRU|XP\_031885812.1 CHIG|XP\_018157951.1 CVYL|A02846 FGRM|XP\_011319951.1 MGRA|XP\_003854276.1 MORY|QBZ56056.1 NCRA|XP\_958809.1 SSCL|APA08156.1

>Orthogroup7234: ANID|CBF86019.1 BCIN|XP\_001548290.1 CFRU|XP\_031889570.1 CGLO|KAF3805872.1 CHIG|XP\_018158879.1 CVIN|KAF4920771.1 CVYL|A13841 MGRA|XP\_003852859.1 NCRA|XP\_011392972.1 SSCL|APA06385.1

>Orthogroup7235: ANID|CBF86035.1 BCIN|XP\_024553791.1 CFRU|XP\_031875544.1 CFRU|XP\_031880584.1 CFRU|XP\_031884968.1 CGLO|KAF3800956.1 CVIN|KAF4912790.1 CVYL|A05948 MORY|QBZ63255.1 NCRA|XP\_961008.1

>Orthogroup7236: ANID|CBF86139.1 BCIN|XP\_024553639.1 BGRA|VDB87870.1 CFRU|XP\_031883421.1 CGLO|KAF3801716.1 FGRM|XP\_011320145.1 MGRA|XP\_003852870.1 MORY|QBZ62862.1 NCRA|XP\_960415.3 SSCL|APA08563.1

>Orthogroup7237: ANID|CBF86187.1 BCIN|XP\_001549236.1 CFRU|XP\_031890467.1 CHIG|XP\_018164429.1 CVIN|KAF4919400.1 FGRM|XP\_011316016.1 MGRA|XP\_003848390.1 MORY|QBZ55543.1 NCRA|XP\_011392772.1 SSCL|APA09220.1

>Orthogroup7238: ANID|CBF86402.1 BCIN|XP\_001559200.1 CFRU|XP\_031885623.1 CGLO|KAF3810191.1 CHIG|XP\_018157810.1 CVIN|KAF4929126.1 CVYL|A02783 FGRM|XP\_011320138.1 MORY|QBZ56188.1 SSCL|APA15785.1

>Orthogroup7239: ANID|CBF86516.1 BCIN|XP\_001547794.1 BCIN|XP\_024546166.1 CFRU|XP\_031889270.1 CGLO|KAF3808873.1 CGLO|KAF3811115.1 CVIN|KAF4896677.1 CVYL|A01209 FGRM|XP\_011328356.1 SSCL|APA15430.1

>Orthogroup7240: ANID|CBF86620.1 BCIN|XP\_001555702.1 CFRU|XP\_031889700.1 CGLO|KAF3805957.1 CHIG|XP\_018158945.1 CVIN|KAF4911886.1 CVYL|A13764 FGRM|XP\_011321227.1 MGRA|XP\_003849821.1 SSCL|APA10094.1

>Orthogroup7241: ANID|CBF86791.1 BGRA|VDB93626.1 CFRU|XP\_031889091.1 CGLO|KAF3797675.1 CHIG|XP\_018155450.1 CVIN|KAF4919395.1 CVYL|A01095 FGRM|XP\_011323893.1 MORY|QBZ64482.1 NCRA|XP\_001728154.1

>Orthogroup7242: ANID|CBF86835.1 BCIN|XP\_001547495.1 CFRU|XP\_031884333.1 CGLO|KAF3806465.1 CHIG|XP\_018162361.1 CVIN|KAF4908646.1 FGRM|XP\_011323924.1 MORY|QBZ55496.1 NCRA|XP\_958272.1 SSCL|APA14955.1

>Orthogroup7243: ANID|CBF87230.1 CFRU|XP\_031875407.1 CFRU|XP\_031876005.1 CFRU|XP\_031877556.1 CFRU|XP\_031877557.1 CGLO|KAF3807995.1 CGLO|KAF3808981.1 MGRA|XP\_003847415.1 MORY|QBZ56772.1 SSCL|APA13393.1

>Orthogroup7244: ANID|CBF87308.1 BCIN|XP\_024551993.1 CFRU|XP\_031876120.1 CFRU|XP\_031891398.1 CGLO|KAF3804591.1 CGLO|KAF3807375.1 CHIG|XP\_018161667.1 CVIN|KAF4923081.1 CVYL|A05287 NCRA|XP\_962886.1

>Orthogroup7245: ANID|CBF87389.1 BCIN|XP\_001560010.1 CFRU|XP\_031885525.1 CGLO|KAF3799448.1 CHIG|XP\_018152328.1 CVIN|KAF4931905.1 CVYL|A13310 FGRM|XP\_011316557.1 MORY|QBZ54383.1 SSCL|APA09979.1

>Orthogroup7246: ANID|CBF87412.1 CFRU|XP\_031880133.1 CFRU|XP\_031890912.1 CGLO|KAF3801503.1 CGLO|KAF3801504.1 CGLO|KAF3811843.1 CHIG|XP\_018151691.1 CVYL|A12630 FGRM|XP\_011322520.1 FGRM|XP\_011327563.1

>Orthogroup7247: ANID|CBF87423.1 ANID|CBF87425.1 ANID|CBF89704.1 BCIN|XP\_024552281.1 CFRU|XP\_031881822.1 CGLO|KAF3797839.1 CVIN|KAF4908860.1 CVYL|A11538 CVYL|A11539 SSCL|APA13052.1

>Orthogroup7248: ANID|CBF87458.1 BCIN|XP\_024548844.1 BCIN|XP\_024552027.1 CFRU|XP\_031880634.1 CGLO|KAF3809931.1 CHIG|XP\_018161510.1 CVIN|KAF4930741.1 CVYL|A01693 FGRM|XP\_011320217.1 SSCL|APA12007.1

>Orthogroup7249: ANID|CBF87585.1 BCIN|XP\_001557749.1 CFRU|XP\_031886136.1 CHIG|XP\_018155274.1 CVIN|KAF4930415.1 CVYL|A05543 MLAR|XP\_007410907.1 MORY|QBZ54036.1 NCRA|XP\_955872.1 SSCL|APA12187.1

>Orthogroup7250: ANID|CBF87705.1 BCIN|XP\_024548452.1 BGRA|VDB93119.1 CFRU|XP\_031887309.1 CGLO|KAF3809233.1 CHIG|XP\_018156061.1 CVIN|KAF4925288.1 CVYL|A01423 NCRA|XP\_961329.1 SSCL|APA12231.1

>Orthogroup7251: ANID|CBF87722.1 BCIN|XP\_024551696.1 CFRU|XP\_031893564.1 CGLO|KAF3807240.1 CGLO|KAF3808093.1 CHIG|XP\_018152795.1 CHIG|XP\_018164606.1 CVYL|A08139 CVYL|A10720 FGRM|XP\_011317979.1

>Orthogroup7252: ANID|CBF87780.1 BCIN|XP\_001558561.1 BGRA|VDB92649.1 CFRU|XP\_031890405.1 CGLO|KAF3804952.1 CHIG|XP\_018164459.1 CVIN|KAF4910231.1 MORY|QBZ61461.1 NCRA|XP\_964069.3 SSCL|APA14645.1

>Orthogroup7253: ANID|CBF87816.1 BCIN|XP\_001558441.1 BGRA|VDB90459.1 CHIG|XP\_018153668.1 FGRM|XP\_011317070.1 MGRA|XP\_003857063.1 MLAR|XP\_007408409.1 MORY|QBZ63926.1 NCRA|XP\_001728406.1 SSCL|APA14742.1

>Orthogroup7254: ANID|CBF88095.1 BCIN|XP\_024551818.1 CFRU|XP\_031876513.1 CGLO|KAF3797004.1 CGLO|KAF3797005.1 CHIG|XP\_018153680.1 CVIN|KAF4894119.1 CVIN|KAF4894120.1 MGRA|XP\_003856772.1 SSCL|APA14702.1

>Orthogroup7255: ANID|CBF88320.1 BCIN|XP\_024550032.1 BGRA|VDB83647.1 CGLO|KAF3811530.1 CHIG|XP\_018160788.1 FGRM|XP\_011328091.1 MLAR|XP\_007413229.1 MORY|QBZ58767.1 NCRA|XP\_962202.1 SSCL|APA05377.1

>Orthogroup7256: ANID|CBF88424.1 CFRU|XP\_031878320.1 CGLO|KAF3798039.1 CHIG|XP\_018158090.1 CVYL|A08320 CVYL|A09151 FGRM|XP\_011322513.1 FGRM|XP\_011328726.1 MGRA|XP\_003852607.1 MORY|QBZ63494.1

>Orthogroup7257: ANID|CBF88772.1 BCIN|XP\_001547992.2 CFRU|XP\_031885253.1 CGLO|KAF3800310.1 CHIG|XP\_018162814.1 CVIN|KAF4927619.1 CVYL|A06916 FGRM|XP\_011320657.1 SSCL|APA14256.1 SSCL|APA14257.1

>Orthogroup7258: ANID|CBF88828.1 BCIN|XP\_001553205.1 CFRU|XP\_031888116.1 CGLO|KAF3802300.1 CHIG|XP\_018154402.1 CVIN|KAF4924394.1 CVYL|A10674 FGRM|XP\_011319765.1 NCRA|XP\_964115.2 SSCL|APA12089.1

>Orthogroup7259: ANID|CBF88890.1 BCIN|XP\_024547085.1 CFRU|XP\_031876579.1 CHIG|XP\_018150797.1 CVIN|KAF4911848.1 CVYL|A11126 FGRM|XP\_011325393.1 MORY|QBZ64052.1 NCRA|XP\_961805.1 SSCL|APA06170.1

>Orthogroup7260: ANID|CBF88933.1 CFRU|XP\_031879085.1 CGLO|KAF3798795.1 CGLO|KAF3798796.1 CHIG|XP\_018151227.1 CVYL|A09130 FGRM|XP\_011328023.1 MORY|QBZ63046.1 NCRA|XP\_011394333.1 SSCL|APA06160.1

>Orthogroup7261: ANID|CBF88936.1 CFRU|XP\_031881770.1 CGLO|KAF3809988.1 CHIG|XP\_018157711.1 CVIN|KAF4905021.1 CVYL|A02588 FGRM|XP\_011316478.1 FGRM|XP\_011322095.1 FGRM|XP\_011322628.1 FGRM|XP\_011325164.1

>Orthogroup7262: ANID|CBF88972.1 BCIN|XP\_024552952.1 CFRU|XP\_031887366.1 CHIG|XP\_018156139.1 CVYL|A01501 FGRM|XP\_011318912.1 MGRA|XP\_003857200.1 MORY|QBZ62226.1 NCRA|XP\_961257.1 SSCL|APA07590.1

>Orthogroup7263: ANID|CBF89081.1 BCIN|XP\_001557468.1 CFRU|XP\_031885216.1 CGLO|KAF3807690.1 CHIG|XP\_018162916.1 CVIN|KAF4927837.1 CVYL|A06883 FGRM|XP\_011326262.1 MORY|QBZ59697.1 SSCL|APA10636.1

>Orthogroup7264: ANID|CBF89099.1 BCIN|XP\_001546277.1 CFRU|XP\_031886541.1 CGLO|KAF3800284.1 CHIG|XP\_018162772.1 CVIN|KAF4927556.1 CVYL|A06950 MORY|QBZ63888.1 NCRA|XP\_956673.2 SSCL|APA10242.1

>Orthogroup7265: ANID|CBF89144.1 BCIN|XP\_001557473.2 BGRA|VCU39784.1 CFRU|XP\_031885058.1 CVYL|A07198 FGRM|XP\_011326253.1 MLAR|XP\_007417540.1 MORY|QBZ59742.1 NCRA|XP\_001728502.1 SSCL|APA10628.1

>Orthogroup7266: ANID|CBF89236.1 BCIN|XP\_024552541.1 CFRU|XP\_031885968.1 CHIG|XP\_018155278.1 CVYL|A05546 FGRM|XP\_011324655.1 MGRA|XP\_003849366.1 MORY|QBZ54031.1 NCRA|XP\_963622.1 SSCL|APA08637.1

>Orthogroup7267: ANID|CBF89439.1 CFRU|XP\_031890830.1 CGLO|KAF3801609.1 CHIG|XP\_018151372.1 CVIN|KAF4922696.1 CVYL|A12527 FGRM|XP\_011320336.1 MGRA|XP\_003854471.1 MORY|QBZ55459.1 NCRA|XP\_960411.2

>Orthogroup7268: ANID|CBF89474.1 BCIN|XP\_001546157.1 CFRU|XP\_031885431.1 CGLO|KAF3799531.1 CHIG|XP\_018154520.1 CVIN|KAF4931875.1 CVYL|A13391 MLAR|XP\_007405859.1 MORY|QBZ62065.1 SSCL|APA16284.1

>Orthogroup7269: ANID|CBF89555.1 BCIN|XP\_024547773.1 CFRU|XP\_031883445.1 CGLO|KAF3800585.1 CHIG|XP\_018152094.1 CVIN|KAF4927115.1 CVYL|A13129 FGRM|XP\_011321278.1 MORY|QBZ57767.1 NCRA|XP\_959824.1

>Orthogroup7270: ANID|CBF89985.1 BCIN|XP\_024552050.1 BGRA|VDB92680.1 CFRU|XP\_031887625.1 CGLO|KAF3803242.1 CHIG|XP\_018161089.1 CVIN|KAF4928727.1 CVYL|A03673 FGRM|XP\_011327879.1 MORY|QBZ56222.1

>Orthogroup7271: ANID|CBF89993.1 CFRU|XP\_031887172.1 CGLO|KAF3809394.1 CHIG|XP\_018156235.1 CVIN|KAF4916422.1 CVYL|A02952 FGRM|XP\_011322650.1 MGRA|XP\_003855195.1 MLAR|XP\_007416984.1 MORY|QBZ59887.1

>Orthogroup7272: ANID|CBF90363.1 BCIN|XP\_024550617.1 CFRU|XP\_031883132.1 CGLO|KAF3800710.1 CHIG|XP\_018163262.1 CVIN|KAF4919748.1 CVYL|A00494 FGRM|XP\_011322402.1 MORY|QBZ59506.1 SSCL|APA11436.1

>Orthogroup7273: BCIN|XP\_024545902.1 CFRU|XP\_031893222.1 CGLO|KAF3809518.1 CHIG|XP\_018152645.1 CHIG|XP\_018158115.1 CVIN|KAF4918580.1 CVYL|A08501 FGRM|XP\_011315636.1 MGRA|XP\_003851967.1 SSCL|APA15877.1

>Orthogroup7274: BCIN|XP\_001547483.2 CFRU|XP\_031887511.1 CGLO|KAF3811599.1 CHIG|XP\_018160871.1 CVIN|KAF4914895.1 CVYL|A03457 FGRM|XP\_011324858.1 MORY|QBZ58878.1 NCRA|XP\_962225.1 SSCL|APA07346.1

>Orthogroup7275: BCIN|XP\_024545935.1 CFRU|XP\_031887690.1 CHIG|XP\_018160861.1 CVYL|A03450 FGRM|XP\_011327855.1 MGRA|XP\_003854965.1 MLAR|XP\_007416221.1 MORY|QBZ58873.1 NCRA|XP\_962241.3 SSCL|APA07364.1

>Orthogroup7276: BCIN|XP\_024545949.1 CFRU|XP\_031887891.1 CHIG|XP\_018154280.1 CVIN|KAF4907196.1 FGRM|XP\_011320071.1 MGRA|XP\_003847782.1 MLAR|XP\_007410551.1 MORY|QBZ66179.1 NCRA|XP\_011392915.1 SSCL|APA07390.1

>Orthogroup7277: BCIN|XP\_001546430.1 CFRU|XP\_031888208.1 CGLO|KAF3802262.1 CHIG|XP\_018154373.1 CVIN|KAF4924400.1 CVYL|A11070 FGRM|XP\_011319825.1 MORY|QBZ60378.1 NCRA|XP\_011392917.1 SSCL|APA07264.1

>Orthogroup7278: BCIN|XP\_024546106.1 CFRU|XP\_031882342.1 CGLO|KAF3807517.1 CHIG|XP\_018156422.1 CVIN|KAF4928869.1 CVYL|A02968 FGRM|XP\_011318615.1 MORY|QBZ63671.1 NCRA|XP\_957102.1 SSCL|APA06628.1

>Orthogroup7279: BCIN|XP\_024546112.1 CFRU|XP\_031881382.1 CFRU|XP\_031881721.1 CGLO|KAF3797848.1 CGLO|KAF3805754.1 CVIN|KAF4908868.1 CVIN|KAF4926607.1 CVYL|A06060 CVYL|A11528 MGRA|XP\_003850671.1

>Orthogroup7280: BCIN|XP\_001549527.2 BCIN|XP\_001550953.1 BCIN|XP\_001550956.1 BCIN|XP\_001550958.1 CFRU|XP\_031893429.1 CGLO|KAF3809446.1 CHIG|XP\_018157048.1 CVIN|KAF4921251.1 CVYL|A08229 NCRA|XP\_011395388.1

>Orthogroup7281: BCIN|XP\_024546221.1 BCIN|XP\_024550626.1 CFRU|XP\_031889779.1 CGLO|KAF3810486.1 CHIG|XP\_018159126.1 CHIG|XP\_018161559.1 CVIN|KAF4924636.1 CVYL|A14089 MGRA|XP\_003855715.1 SSCL|APA07001.1

>Orthogroup7282: BCIN|XP\_024546242.1 CFRU|XP\_031892661.1 CGLO|KAF3797296.1 CHIG|XP\_018157214.1 CVIN|KAF4894465.1 CVYL|A10397 FGRM|XP\_011322715.1 MGRA|XP\_003847674.1 NCRA|XP\_964713.1 SSCL|APA06982.1

>Orthogroup7283: BCIN|XP\_024546244.1 CFRU|XP\_031879942.1 CGLO|KAF3799011.1 CHIG|XP\_018152913.1 CVIN|KAF4923478.1 CVYL|A07927 FGRM|XP\_011322713.1 MGRA|XP\_003847679.1 MLAR|XP\_007406892.1 SSCL|APA06980.1

>Orthogroup7284: BCIN|XP\_001548338.1 CFRU|XP\_031892920.1 CGLO|KAF3809550.1 CHIG|XP\_018152628.1 CVIN|KAF4918545.1 CVYL|A08472 FGRM|XP\_011323225.1 FGRM|XP\_011325996.1 MORY|QBZ64470.1 NCRA|XP\_963900.3

>Orthogroup7285: BCIN|XP\_001561412.1 CFRU|XP\_031882873.1 CGLO|KAF3803373.1 CHIG|XP\_018163967.1 CVIN|KAF4915990.1 CVYL|A14288 FGRM|XP\_011316081.1 MORY|QBZ63601.1 NCRA|XP\_958905.1 SSCL|APA06920.1

>Orthogroup7286: BCIN|XP\_001561280.1 CGLO|KAF3803367.1 CHIG|XP\_018163961.1 CVYL|A14294 FGRM|XP\_011316809.1 MGRA|XP\_003853146.1 MLAR|XP\_007415518.1 MORY|QBZ62778.1 NCRA|XP\_964674.1 SSCL|APA06591.1

>Orthogroup7287: BCIN|XP\_024546527.1 CFRU|XP\_031891856.1 CGLO|KAF3809806.1 CHIG|XP\_018164950.1 CVIN|KAF4919315.1 CVYL|A06725 FGRM|XP\_011322483.1 MGRA|XP\_003853248.1 NCRA|XP\_011395328.1 SSCL|APA06694.1

>Orthogroup7288: BCIN|XP\_024546544.1 BGRA|VDB90817.1 CFRU|XP\_031890597.1 CGLO|KAF3804816.1 CHIG|XP\_018164324.1 CVIN|KAF4929792.1 FGRM|XP\_011317049.1 MORY|QBZ54738.1 NCRA|XP\_011393443.1 SSCL|APA06718.1

>Orthogroup7289: BCIN|XP\_024546690.1 CFRU|XP\_031884314.1 CGLO|KAF3799935.1 CHIG|XP\_018153068.1 CVIN|KAF4906999.1 CVYL|A14183 FGRM|XP\_011323512.1 MORY|QBZ64029.1 NCRA|XP\_011392823.1 SSCL|APA06542.1

>Orthogroup7290: BCIN|XP\_001558849.1 CFRU|XP\_031886012.1 CGLO|KAF3806553.1 CHIG|XP\_018157596.1 CVIN|KAF4920490.1 CVYL|A09316 FGRM|XP\_011327984.1 MORY|QBZ56241.1 NCRA|XP\_958215.1 SSCL|APA05997.1

>Orthogroup7291: BCIN|XP\_024546958.1 CFRU|XP\_031883342.1 CGLO|KAF3800579.1 CHIG|XP\_018152101.1 CVIN|KAF4927062.1 CVYL|A13136 FGRM|XP\_011325673.1 MORY|QBZ62120.1 NCRA|XP\_956252.2 SSCL|APA05993.1

>Orthogroup7292: BCIN|XP\_001547655.2 CFRU|XP\_031888723.1 CGLO|KAF3799192.1 CHIG|XP\_018159800.1 CVIN|KAF4914914.1 CVYL|A10087 FGRM|XP\_011324765.1 MORY|QBZ63733.1 NCRA|XP\_961697.1 SSCL|APA05884.1

>Orthogroup7293: BCIN|XP\_024547024.1 CFRU|XP\_031892247.1 CFRU|XP\_031892751.1 CHIG|XP\_018153465.1 CVIN|KAF4919899.1 CVYL|A00144 FGRM|XP\_011316947.1 MORY|QBZ55247.1 NCRA|XP\_963739.1 SSCL|APA05905.1

>Orthogroup7294: BCIN|XP\_024547225.1 BGRA|VDB88943.1 CFRU|XP\_031882043.1 CGLO|KAF3806154.1 CHIG|XP\_018164508.1 CVIN|KAF4907005.1 FGRM|XP\_011325029.1 MORY|QBZ60585.1 NCRA|XP\_959718.1 SSCL|APA14155.1

>Orthogroup7295: BCIN|XP\_001548010.1 CFRU|XP\_031877619.1 CGLO|KAF3801096.1 CHIG|XP\_018153747.1 CVIN|KAF4909544.1 CVYL|A11299 FGRM|XP\_011327816.1 MORY|QBZ60593.1 NCRA|XP\_959783.2 SSCL|APA14246.1

>Orthogroup7296: BCIN|XP\_024547373.1 CFRU|XP\_031892745.1 CGLO|KAF3809072.1 CHIG|XP\_018155909.1 CVIN|KAF4919734.1 CVYL|A01640 MGRA|XP\_003848334.1 MORY|QBZ57330.1 NCRA|XP\_958660.2 SSCL|APA14379.1

>Orthogroup7297: BCIN|XP\_024547448.1 CFRU|XP\_031887200.1 CGLO|KAF3809362.1 CHIG|XP\_018156218.1 CVIN|KAF4892659.1 CVYL|A01571 FGRM|XP\_011315719.1 FGRM|XP\_011318852.1 FGRM|XP\_011325711.1 MGRA|XP\_003849176.1

>Orthogroup7298: BCIN|XP\_024547449.1 CFRU|XP\_031881286.1 CGLO|KAF3810977.1 CHIG|XP\_018154873.1 CVIN|KAF4921860.1 CVYL|A02175 FGRM|XP\_011324383.1 MGRA|XP\_003850611.1 MORY|QBZ55081.1 NCRA|XP\_961864.2

>Orthogroup7299: BCIN|XP\_024547451.1 CFRU|XP\_031885417.1 CGLO|KAF3799424.1 CHIG|XP\_018152296.1 CVIN|KAF4931738.1 CVYL|A13288 FGRM|XP\_011323660.1 NCRA|XP\_011393551.1 SSCL|APA08150.1 SSCL|APA15994.1

>Orthogroup7300: BCIN|XP\_024547556.1 CFRU|XP\_031883145.1 CHIG|XP\_018151629.1 CHIG|XP\_018153037.1 CHIG|XP\_018160292.1 CVIN|KAF4889738.1 CVYL|A00426 CVYL|A03416 MORY|QBZ63953.1 SSCL|APA11915.1

>Orthogroup7301: BCIN|XP\_001552121.2 BCIN|XP\_024547669.1 CFRU|XP\_031876964.1 CFRU|XP\_031877001.1 CGLO|KAF3799112.1 CGLO|KAF3799157.1 CGLO|KAF3799158.1 CHIG|XP\_018156581.1 FGRM|XP\_011319562.1 SSCL|APA06000.1

>Orthogroup7302: BCIN|XP\_024547730.1 CFRU|XP\_031890948.1 CGLO|KAF3801547.1 CHIG|XP\_018151971.1 CVIN|KAF4921104.1 CVYL|A12588 FGRM|XP\_011328830.1 MORY|QBZ61311.1 NCRA|XP\_011394926.1 SSCL|APA07973.1

>Orthogroup7303: BCIN|XP\_024547732.1 CFRU|XP\_031881001.1 CFRU|XP\_031881002.1 CGLO|KAF3800419.1 CHIG|XP\_018161371.1 CVIN|KAF4930746.1 CVYL|A01811 FGRM|XP\_011321473.1 FGRM|XP\_011324537.1 MORY|QBZ56841.1

>Orthogroup7304: BCIN|XP\_024547820.1 BGRA|VDB86056.1 CFRU|XP\_031887088.1 CVIN|KAF4917864.1 CVYL|A04658 MGRA|XP\_003850412.1 MLAR|XP\_007403716.1 MORY|QBZ54263.1 NCRA|XP\_001728526.1 SSCL|APA08127.1

>Orthogroup7305: BCIN|XP\_024547864.1 CFRU|XP\_031883428.1 CGLO|KAF3801768.1 CHIG|XP\_018159258.1 CVIN|KAF4922927.1 CVYL|A12939 FGRM|XP\_011321758.1 MORY|QBZ56192.1 NCRA|XP\_961019.2 SSCL|APA08189.1

>Orthogroup7306: BCIN|XP\_001555508.1 BGRA|VDB84416.1 CFRU|XP\_031891644.1 CHIG|XP\_018161791.1 CVIN|KAF4923354.1 CVYL|A05399 FGRM|XP\_011321482.1 MORY|QBZ59677.1 NCRA|XP\_963117.2 SSCL|APA08206.1

>Orthogroup7307: BCIN|XP\_024547952.1 CFRU|XP\_031885296.1 CGLO|KAF3806503.1 CHIG|XP\_018157540.1 CVIN|KAF4921327.1 CVYL|A09366 FGRM|XP\_011328068.1 MORY|QBZ56351.1 NCRA|XP\_961814.2 SSCL|APA08398.1

>Orthogroup7308: BCIN|XP\_024547962.1 CFRU|XP\_031885520.1 CGLO|KAF3806523.1 CHIG|XP\_018157560.1 CVIN|KAF4921360.1 CVYL|A09347 FGRM|XP\_011324814.1 MGRA|XP\_003851750.1 MORY|QBZ58920.1 NCRA|XP\_011394174.1

>Orthogroup7309: BCIN|XP\_024547968.1 CFRU|XP\_031876547.1 CGLO|KAF3811499.1 CHIG|XP\_018160754.1 CVIN|KAF4926801.1 CVYL|A04705 MGRA|XP\_003852565.1 MORY|QBZ58742.1 NCRA|XP\_962071.2 SSCL|APA08367.1

>Orthogroup7310: BCIN|XP\_001554894.1 BCIN|XP\_001554901.1 BCIN|XP\_001554905.2 BCIN|XP\_024547990.1 BCIN|XP\_024547991.1 BCIN|XP\_024549991.1 SSCL|APA05327.1 SSCL|APA08341.1 SSCL|APA08342.1 SSCL|APA08345.1

>Orthogroup7311: BCIN|XP\_001554866.1 CFRU|XP\_031889226.1 CGLO|KAF3808918.1 CHIG|XP\_018155777.1 CVIN|KAF4920755.1 CVYL|A01169 FGRM|XP\_011315743.1 MORY|QBZ54378.1 MORY|QBZ63137.1 SSCL|APA08323.1

>Orthogroup7312: BCIN|XP\_001554835.2 CFRU|XP\_031879035.1 CGLO|KAF3798781.1 CHIG|XP\_018151240.1 CVIN|KAF4912781.1 CVYL|A09142 FGRM|XP\_011328082.1 MORY|QBZ59137.1 SSCL|APA08304.1 SSCL|APA08305.1

>Orthogroup7313: BCIN|XP\_001546465.1 BGRA|VDB93369.1 BGRA|VDB93371.1 CFRU|XP\_031891464.1 CGLO|KAF3804666.1 CHIG|XP\_018151636.1 CVIN|KAF4913893.1 CVYL|A05219 FGRM|XP\_011318166.1 SSCL|APA08292.1

>Orthogroup7314: BCIN|XP\_001548160.1 BGRA|VDB93014.1 CFRU|XP\_031881732.1 CGLO|KAF3800655.1 CHIG|XP\_018152024.1 CVIN|KAF4922026.1 CVYL|A13061 MORY|QBZ62127.1 NCRA|XP\_956244.1 SSCL|APA12765.1

>Orthogroup7315: BCIN|XP\_001548152.2 CFRU|XP\_031882488.1 CGLO|KAF3807627.1 CHIG|XP\_018156303.1 CVIN|KAF4921388.1 CVYL|A03123 FGRM|XP\_011318883.1 MORY|QBZ54746.1 NCRA|XP\_961623.1 SSCL|APA12762.1

>Orthogroup7316: BCIN|XP\_001554447.1 CFRU|XP\_031887357.1 CGLO|KAF3809307.1 CHIG|XP\_018156143.1 CVIN|KAF4911376.1 CVYL|A01505 FGRM|XP\_011319283.1 MORY|QBZ62224.1 NCRA|XP\_960954.1 SSCL|APA12636.1

>Orthogroup7317: BCIN|XP\_001554433.1 CFRU|XP\_031875397.1 CFRU|XP\_031875467.1 CFRU|XP\_031880502.1 CHIG|XP\_018150696.1 FGRM|XP\_011326097.1 FGRM|XP\_011328853.1 FGRM|XP\_011328861.1 FGRM|XP\_011328863.1 MLAR|XP\_007418916.1

>Orthogroup7318: BCIN|XP\_024548137.1 CFRU|XP\_031876403.1 CGLO|KAF3797781.1 CHIG|XP\_018156452.1 CVIN|KAF4923168.1 CVYL|A03003 FGRM|XP\_011318763.1 MORY|QBZ63504.1 NCRA|XP\_956578.2 SSCL|APA12374.1

>Orthogroup7319: BCIN|XP\_024548138.1 CFRU|XP\_031876391.1 CGLO|KAF3797779.1 CHIG|XP\_018156450.1 CVIN|KAF4923167.1 CVYL|A03001 FGRM|XP\_011318765.1 MGRA|XP\_003851483.1 NCRA|XP\_956576.3 SSCL|APA12375.1

>Orthogroup7320: BCIN|XP\_024548160.1 BGRA|VCU40976.1 CFRU|XP\_031892665.1 CVIN|KAF4919830.1 CVYL|A01359 FGRM|XP\_011318812.1 MGRA|XP\_003848208.1 MORY|QBZ62453.1 NCRA|XP\_960960.2 SSCL|APA12399.1

>Orthogroup7321: BCIN|XP\_001550893.1 CFRU|XP\_031889368.1 CGLO|KAF3803153.1 CHIG|XP\_018155519.1 CVIN|KAF4928343.1 CVYL|A01039 FGRM|XP\_011319237.1 MORY|QBZ62244.1 NCRA|XP\_961077.2 SSCL|APA12401.1

>Orthogroup7322: BCIN|XP\_024548430.1 CFRU|XP\_031881323.1 CGLO|KAF3802505.1 CHIG|XP\_018154810.1 CVIN|KAF4919022.1 CVYL|A02097 FGRM|XP\_011316319.1 MORY|QBZ60968.1 NCRA|XP\_956296.1 SSCL|APA12255.1

>Orthogroup7323: BCIN|XP\_024548439.1 CFRU|XP\_031887254.1 CGLO|KAF3809283.1 CHIG|XP\_018156130.1 CVIN|KAF4921070.1 CVYL|A01477 FGRM|XP\_011319144.1 MORY|QBZ57417.1 NCRA|XP\_961068.1 SSCL|APA12244.1

>Orthogroup7324: BCIN|XP\_024548579.1 CFRU|XP\_031882705.1 CHIG|XP\_018152252.1 CHIG|XP\_018152253.1 CVIN|KAF4931828.1 CVYL|A13261 FGRM|XP\_011324613.1 MORY|QBZ54007.1 NCRA|XP\_955915.1 SSCL|APA10011.1

>Orthogroup7325: BCIN|XP\_001548222.1 BCIN|XP\_024548996.1 BGRA|VCU39148.1 CFRU|XP\_031888984.1 CGLO|KAF3799246.1 CHIG|XP\_018159888.1 CVIN|KAF4908850.1 CVYL|A10139 MORY|QBZ54451.1 SSCL|APA09957.1

>Orthogroup7326: BCIN|XP\_001548241.1 BGRA|VDB83998.1 CFRU|XP\_031890461.1 CGLO|KAF3805279.1 CHIG|XP\_018158599.1 CVIN|KAF4901288.1 CVYL|A13930 MGRA|XP\_003852909.1 NCRA|XP\_011393312.1 SSCL|APA09940.1

>Orthogroup7327: BCIN|XP\_001558527.1 BCIN|XP\_024548656.1 CFRU|XP\_031882731.1 CGLO|KAF3812069.1 CHIG|XP\_018164079.1 CVIN|KAF4923708.1 CVYL|A14245 FGRM|XP\_011316794.1 NCRA|XP\_964497.1 SSCL|APA14679.1

>Orthogroup7328: BCIN|XP\_001554538.2 BCIN|XP\_001556164.2 BCIN|XP\_001559887.1 BCIN|XP\_001559992.2 BCIN|XP\_024549547.1 SSCL|APA06687.1 SSCL|APA08392.1 SSCL|APA09989.1 SSCL|APA10967.1 SSCL|APA10968.1

>Orthogroup7329: BCIN|XP\_001559985.2 CFRU|XP\_031880032.1 CGLO|KAF3811786.1 CHIG|XP\_018151711.1 CVIN|KAF4907647.1 CVYL|A12791 FGRM|XP\_011319484.1 MORY|QBZ60752.1 NCRA|XP\_959566.2 SSCL|APA09994.1

>Orthogroup7330: BCIN|XP\_001559977.1 CFRU|XP\_031890459.1 CGLO|KAF3805280.1 CHIG|XP\_018158600.1 CVIN|KAF4926005.1 CVYL|A13931 FGRM|XP\_011316643.1 MORY|QBZ60500.1 NCRA|XP\_965699.2 SSCL|APA09790.1

>Orthogroup7331: BCIN|XP\_001559949.1 CFRU|XP\_031876261.1 CGLO|KAF3805999.1 CHIG|XP\_018164646.1 CVIN|KAF4925710.1 CVYL|A07515 FGRM|XP\_011324985.1 MGRA|XP\_003857506.1 NCRA|XP\_959985.1 SSCL|APA09773.1

>Orthogroup7332: BCIN|XP\_001559816.1 CFRU|XP\_031889588.1 CGLO|KAF3805210.1 CHIG|XP\_018158861.1 CVIN|KAF4907189.1 CVYL|A13857 FGRM|XP\_011316676.1 MORY|QBZ60484.1 NCRA|XP\_965692.1 SSCL|APA09692.1

>Orthogroup7333: BCIN|XP\_001559768.1 CFRU|XP\_031884500.1 CGLO|KAF3810314.1 CHIG|XP\_018158339.1 CVIN|KAF4913304.1 CVYL|A05790 FGRM|XP\_011323387.1 MORY|QBZ65057.1 NCRA|XP\_955808.1 SSCL|APA09608.1

>Orthogroup7334: BCIN|XP\_001559708.1 CFRU|XP\_031890361.1 CGLO|KAF3806681.1 CHIG|XP\_018158650.1 CVIN|KAF4925956.1 CVYL|A13984 FGRM|XP\_011323374.1 MGRA|XP\_003853222.1 MORY|QBZ62501.1 SSCL|APA09452.1

>Orthogroup7335: BCIN|XP\_001548748.1 BCIN|XP\_024548860.1 CFRU|XP\_031876945.1 CGLO|KAF3810693.1 CHIG|XP\_018162459.1 CVIN|KAF4909761.1 CVYL|A07263 FGRM|XP\_011327003.1 MORY|QBZ61355.1 SSCL|APA09436.1

>Orthogroup7336: BCIN|XP\_001559683.1 CFRU|XP\_031890338.1 CGLO|KAF3806697.1 CHIG|XP\_018158670.1 CVIN|KAF4925966.1 CVYL|A14002 FGRM|XP\_011315931.1 MORY|QBZ55477.1 NCRA|XP\_964604.1 SSCL|APA09433.1

>Orthogroup7337: BCIN|XP\_024548923.1 CFRU|XP\_031886631.1 CGLO|KAF3798897.1 CHIG|XP\_018158570.1 CVIN|KAF4925571.1 CVYL|A05055 FGRM|XP\_011328430.1 MGRA|XP\_003852603.1 MORY|QBZ60479.1 SSCL|APA09592.1

>Orthogroup7338: BCIN|XP\_024548948.1 CFRU|XP\_031889959.1 CGLO|KAF3802900.1 CHIG|XP\_018158491.1 CVIN|KAF4907431.1 CVYL|A05113 FGRM|XP\_011316404.1 MORY|QBZ55934.1 NCRA|XP\_963719.1 SSCL|APA09514.1

>Orthogroup7339: BCIN|XP\_001550631.1 BGRA|VDB84074.1 CFRU|XP\_031884592.1 CGLO|KAF3799050.1 CHIG|XP\_018158204.1 CVIN|KAF4918255.1 CVYL|A11480 FGRM|XP\_011316462.1 NCRA|XP\_958644.2 SSCL|APA09369.1

>Orthogroup7340: BCIN|XP\_024548981.1 CFRU|XP\_031878425.1 CGLO|KAF3810781.1 CHIG|XP\_018162532.1 CVIN|KAF4932070.1 CVYL|A07169 FGRM|XP\_011317308.1 MGRA|XP\_003856030.1 MLAR|XP\_007404714.1 NCRA|XP\_958654.1

>Orthogroup7341: BCIN|XP\_001550664.1 CFRU|XP\_031889417.1 CGLO|KAF3808729.1 CHIG|XP\_018155622.1 CVIN|KAF4929642.1 CVYL|A00932 MGRA|XP\_003851497.1 MORY|QBZ64306.1 NCRA|XP\_011393991.1 SSCL|APA09344.1

>Orthogroup7342: BCIN|XP\_001548446.1 BGRA|VCU39426.1 CFRU|XP\_031884491.1 CGLO|KAF3799065.1 CHIG|XP\_018158190.1 CVYL|A11462 FGRM|XP\_011323351.1 MORY|QBZ64444.1 NCRA|XP\_965620.1 SSCL|APA09290.1

>Orthogroup7343: BCIN|XP\_001560176.1 CFRU|XP\_031888152.1 CVIN|KAF4899206.1 CVYL|A03393 MLAR|XP\_007405682.1 MLAR|XP\_007412112.1 MLAR|XP\_007416918.1 MLAR|XP\_007416958.1 MLAR|XP\_007419749.1 SSCL|APA15870.1

>Orthogroup7344: BCIN|XP\_024549105.1 BCIN|XP\_024549972.1 CFRU|XP\_031886804.1 CGLO|KAF3807482.1 CHIG|XP\_018163391.1 CVIN|KAF4907609.1 CVYL|A05005 FGRM|XP\_011320763.1 FGRM|XP\_011325291.1 SSCL|APA15937.1

>Orthogroup7345: BCIN|XP\_001559248.2 CFRU|XP\_031890201.1 CGLO|KAF3802925.1 CHIG|XP\_018158527.1 CVIN|KAF4925593.1 CVYL|A05091 FGRM|XP\_011316633.1 MORY|QBZ63215.1 NCRA|XP\_965043.2 SSCL|APA08943.1

>Orthogroup7346: BCIN|XP\_001559057.1 CFRU|XP\_031882918.1 CGLO|KAF3812054.1 CHIG|XP\_018164189.1 CVIN|KAF4923704.1 FGRM|XP\_011326782.1 MGRA|XP\_003848516.1 MORY|QBZ63792.1 NCRA|XP\_959168.3 SSCL|APA09084.1

>Orthogroup7347: BCIN|XP\_024549465.1 CFRU|XP\_031888270.1 CGLO|KAF3803508.1 CHIG|XP\_018164039.1 CVIN|KAF4908041.1 CVYL|A14438 FGRM|XP\_011326523.1 MORY|QBZ62808.1 NCRA|XP\_958482.2 SSCL|APA09196.1

>Orthogroup7348: BCIN|XP\_024549521.1 BGRA|VCU40084.1 CFRU|XP\_031887726.1 CGLO|KAF3807152.1 CHIG|XP\_018160977.1 CVYL|A03554 FGRM|XP\_011327946.1 MORY|QBZ58808.1 NCRA|XP\_962074.2 SSCL|APA09120.1

>Orthogroup7349: BCIN|XP\_024549522.1 CFRU|XP\_031880046.1 CGLO|KAF3811830.1 CHIG|XP\_018151747.1 CHIG|XP\_018163233.1 CVIN|KAF4924884.1 CVYL|A12831 FGRM|XP\_011322252.1 MORY|QBZ61704.1 MORY|QBZ66687.1

>Orthogroup7350: BCIN|XP\_024549558.1 CFRU|XP\_031878335.1 CGLO|KAF3798080.1 CHIG|XP\_018158153.1 CVIN|KAF4928003.1 CVYL|A08279 FGRM|XP\_011322404.1 MGRA|XP\_003853368.1 NCRA|XP\_959419.2 SSCL|APA13922.1

>Orthogroup7351: BCIN|XP\_001556003.1 CFRU|XP\_031884393.1 CGLO|KAF3810357.1 CHIG|XP\_018157470.1 CHIG|XP\_018158367.1 CVIN|KAF4897451.1 CVYL|A05753 FGRM|XP\_011316480.1 NCRA|XP\_964783.3 SSCL|APA13931.1

>Orthogroup7352: BCIN|XP\_001556011.1 CFRU|XP\_031875785.1 CGLO|KAF3796920.1 CHIG|XP\_018154101.1 CVIN|KAF4912168.1 CVYL|A03411 FGRM|XP\_011325403.1 MGRA|XP\_003852140.1 MORY|QBZ60048.1 SSCL|APA13936.1

>Orthogroup7353: BCIN|XP\_001558770.2 CFRU|XP\_031878062.1 CGLO|KAF3799567.1 CHIG|XP\_018154565.1 CVIN|KAF4926503.1 CVYL|A13426 FGRM|XP\_011324889.1 MORY|QBZ61073.1 NCRA|XP\_956218.1 SSCL|APA05609.1

>Orthogroup7354: BCIN|XP\_024549722.1 CFRU|XP\_031877831.1 CGLO|KAF3806617.1 CHIG|XP\_018164239.1 CVIN|KAF4918894.1 CVYL|A12327 FGRM|XP\_011316729.1 MORY|QBZ55409.1 NCRA|XP\_011393214.1 SSCL|APA05452.1

>Orthogroup7355: BCIN|XP\_024549748.1 CFRU|XP\_031888802.1 CGLO|KAF3799274.1 CHIG|XP\_018159863.1 CVIN|KAF4924812.1 CVYL|A10164 FGRM|XP\_011322301.1 MGRA|XP\_003851910.1 MLAR|XP\_007406872.1 SSCL|APA05682.1

>Orthogroup7356: BCIN|XP\_001548930.2 BGRA|VCU40138.1 CFRU|XP\_031880533.1 CGLO|KAF3811526.1 CHIG|XP\_018160784.1 CVYL|A04736 FGRM|XP\_011327902.1 MORY|QBZ56628.1 NCRA|XP\_011394441.1 SSCL|APA05737.1

>Orthogroup7357: BCIN|XP\_001548923.1 BGRA|VDB83667.1 CFRU|XP\_031882532.1 CGLO|KAF3803930.1 CHIG|XP\_018151014.1 CVIN|KAF4887298.1 CVYL|A08873 FGRM|XP\_011323826.1 NCRA|XP\_961924.1 SSCL|APA05744.1

>Orthogroup7358: BCIN|XP\_024549819.1 CFRU|XP\_031893113.1 CGLO|KAF3808342.1 CHIG|XP\_018152398.1 CVIN|KAF4918646.1 CVYL|A09501 FGRM|XP\_011317696.1 MORY|QBZ54507.1 NCRA|XP\_961457.1 SSCL|APA14494.1

>Orthogroup7359: BCIN|XP\_001554098.1 CFRU|XP\_031888428.1 CGLO|KAF3803655.1 CHIG|XP\_018163805.1 CVIN|KAF4928503.1 CVYL|A14588 FGRM|XP\_011317007.1 MORY|QBZ54677.1 NCRA|XP\_011393388.1 SSCL|APA05551.1

>Orthogroup7360: BCIN|XP\_024549900.1 CFRU|XP\_031885502.1 CGLO|KAF3799555.1 CHIG|XP\_018154548.1 CVIN|KAF4931750.1 CVYL|A13415 FGRM|XP\_011324900.1 MORY|QBZ61050.1 NCRA|XP\_011393683.1 SSCL|APA05579.1

>Orthogroup7361: BCIN|XP\_024549911.1 CFRU|XP\_031878050.1 CGLO|KAF3799560.1 CHIG|XP\_018154572.1 CVIN|KAF4931848.1 CVYL|A13419 MGRA|XP\_003849865.1 MORY|QBZ61065.1 NCRA|XP\_956502.1 SSCL|APA05597.1

>Orthogroup7362: BCIN|XP\_001547743.2 BGRA|VCU39319.1 CFRU|XP\_031880519.1 CGLO|KAF3811543.1 CHIG|XP\_018160804.1 CVIN|KAF4926748.1 CVYL|A04755 MORY|QBZ57230.1 NCRA|XP\_011394154.1 SSCL|APA05361.1

>Orthogroup7363: BCIN|XP\_001549803.1 CFRU|XP\_031893116.1 CGLO|KAF3808340.1 CHIG|XP\_018152396.1 CVIN|KAF4918631.1 CVYL|A09499 FGRM|XP\_011317694.1 MORY|QBZ54511.1 NCRA|XP\_011394563.1 SSCL|APA14463.1

>Orthogroup7364: BCIN|XP\_001545393.1 CFRU|XP\_031879283.1 CGLO|KAF3808662.1 CHIG|XP\_018161869.1 CVIN|KAF4926120.1 CVYL|A11800 FGRM|XP\_011321472.1 MGRA|XP\_003852113.1 MORY|QBZ55075.1 NCRA|XP\_959219.3

>Orthogroup7365: BCIN|XP\_024550121.1 CFRU|XP\_031892946.1 CGLO|KAF3809655.1 CHIG|XP\_018152541.1 CVIN|KAF4925045.1 FGRM|XP\_011317918.1 MGRA|XP\_003848404.1 MLAR|XP\_007412257.1 MORY|QBZ54867.1 NCRA|XP\_958704.2

>Orthogroup7366: BCIN|XP\_024550221.1 CFRU|XP\_031888059.1 CGLO|KAF3802324.1 CHIG|XP\_018154426.1 CVIN|KAF4918808.1 CVYL|A10929 FGRM|XP\_011319740.1 MORY|QBZ65821.1 NCRA|XP\_965517.1 SSCL|APA10884.1

>Orthogroup7367: BCIN|XP\_024550328.1 CGLO|KAF3797627.1 CHIG|XP\_018157419.1 CVYL|A11073 FGRM|XP\_011323023.1 MGRA|XP\_003855235.1 MLAR|XP\_007414546.1 MORY|QBZ66347.1 NCRA|XP\_965496.3 SSCL|APA11001.1

>Orthogroup7368: BCIN|XP\_024550368.1 CFRU|XP\_031892606.1 CGLO|KAF3797161.1 CHIG|XP\_018157113.1 CVIN|KAF4918845.1 CVYL|A10536 CVYL|A10537 FGRM|XP\_011315889.1 FGRM|XP\_011315890.1 SSCL|APA11057.1

>Orthogroup7369: BCIN|XP\_024550433.1 CFRU|XP\_031877220.1 CGLO|KAF3806461.1 CHIG|XP\_018162350.1 CVIN|KAF4897897.1 CVYL|A12060 FGRM|XP\_011323931.1 MORY|QBZ62950.1 NCRA|XP\_957144.1 SSCL|APA11129.1

>Orthogroup7370: BCIN|XP\_001552305.2 CFRU|XP\_031882386.1 CGLO|KAF3807620.1 CHIG|XP\_018156311.1 CVIN|KAF4921414.1 CVYL|A03132 FGRM|XP\_011319090.1 MLAR|XP\_007405412.1 MLAR|XP\_007405415.1 MORY|QBZ63560.1

>Orthogroup7371: BCIN|XP\_024550444.1 BGRA|VDB84158.1 CFRU|XP\_031891337.1 CHIG|XP\_018157352.1 CVIN|KAF4929339.1 CVYL|A10284 FGRM|XP\_011320240.1 MORY|QBZ66254.1 NCRA|XP\_965794.1 SSCL|APA11145.1

>Orthogroup7372: BCIN|XP\_001546666.1 BCIN|XP\_001553039.1 CFRU|XP\_031892225.1 CGLO|KAF3805616.1 CHIG|XP\_018161342.1 CVIN|KAF4925697.1 CVYL|A07580 MORY|QBZ62997.1 SSCL|APA11248.1 SSCL|APA11522.1

>Orthogroup7373: BCIN|XP\_024550544.1 CFRU|XP\_031878286.1 CFRU|XP\_031878287.1 CFRU|XP\_031878290.1 CGLO|KAF3798021.1 CGLO|KAF3798022.1 CVIN|KAF4915601.1 CVIN|KAF4915603.1 CVYL|A08334 CVYL|A08336

>Orthogroup7374: BCIN|XP\_024550559.1 BGRA|VCU38840.1 CFRU|XP\_031876378.1 CGLO|KAF3797794.1 CHIG|XP\_018156467.1 CVIN|KAF4923164.1 CVYL|A03020 FGRM|XP\_011318588.1 FGRM|XP\_011323262.1 NCRA|XP\_961258.1

>Orthogroup7375: BCIN|XP\_024550583.1 CFRU|XP\_031889126.1 CGLO|KAF3797710.1 CHIG|XP\_018155498.1 CVIN|KAF4928307.1 CVYL|A01066 FGRM|XP\_011328467.1 MORY|QBZ58596.1 NCRA|XP\_960126.1 SSCL|APA11385.1

>Orthogroup7376: BCIN|XP\_024550622.1 CFRU|XP\_031879714.1 CFRU|XP\_031888002.1 CGLO|KAF3798577.1 CGLO|KAF3802256.1 CVIN|KAF4924425.1 CVYL|A10451 FGRM|XP\_011319660.1 FGRM|XP\_011323168.1 MORY|QBZ65414.1

>Orthogroup7377: BCIN|XP\_024550633.1 CFRU|XP\_031887355.1 CGLO|KAF3809353.1 CHIG|XP\_018156208.1 CVIN|KAF4924189.1 CVYL|A01563 FGRM|XP\_011318795.1 MORY|QBZ59039.1 NCRA|XP\_011394844.1 SSCL|APA11447.1

>Orthogroup7378: BCIN|XP\_001551557.1 CFRU|XP\_031887922.1 CGLO|KAF3802140.1 CHIG|XP\_018154293.1 CVIN|KAF4912435.1 CVYL|A03253 FGRM|XP\_011317984.1 MORY|QBZ66056.1 NCRA|XP\_964201.3 SSCL|APA11892.1

>Orthogroup7379: BCIN|XP\_001549420.1 CFRU|XP\_031878982.1 CFRU|XP\_031885195.1 CGLO|KAF3807696.1 CGLO|KAF3807829.1 CHIG|XP\_018162815.1 CVIN|KAF4894266.1 CVIN|KAF4918877.1 CVYL|A07275 SSCL|APA11722.1

>Orthogroup7380: BCIN|XP\_024550978.1 BGRA|VDB89817.1 CFRU|XP\_031892732.1 CHIG|XP\_018157287.1 CVIN|KAF4917691.1 CVYL|A10477 FGRM|XP\_011320150.1 MORY|QBZ65998.1 NCRA|XP\_964914.3 SSCL|APA11589.1

>Orthogroup7381: BCIN|XP\_001551702.1 CFRU|XP\_031887371.1 CGLO|KAF3809339.1 CHIG|XP\_018156165.1 CVIN|KAF4924166.1 CVYL|A01542 FGRM|XP\_011319126.1 MGRA|XP\_003856850.1 MORY|QBZ56953.1 SSCL|APA11613.1

>Orthogroup7382: BCIN|XP\_001551806.2 CFRU|XP\_031892550.1 CGLO|KAF3809117.1 CHIG|XP\_018155936.1 CVIN|KAF4922091.1 CVYL|A01301 FGRM|XP\_011319132.1 MORY|QBZ59096.1 NCRA|XP\_960659.1 SSCL|APA11955.1

>Orthogroup7383: BCIN|XP\_024551079.1 BGRA|VDB95325.1 CFRU|XP\_031888202.1 CGLO|KAF3802259.1 CHIG|XP\_018154376.1 CVIN|KAF4924397.1 CVYL|A10784 FGRM|XP\_011319832.1 NCRA|XP\_964342.2 SSCL|APA12029.1

>Orthogroup7384: BCIN|XP\_024551093.1 CFRU|XP\_031875357.1 CGLO|KAF3797027.1 CHIG|XP\_018163055.1 CHIG|XP\_018164265.1 CVIN|KAF4923126.1 CVYL|A03059 MGRA|XP\_003855082.1 MORY|QBZ60615.1 SSCL|APA12040.1

>Orthogroup7385: BCIN|XP\_024551181.1 CFRU|XP\_031885025.1 CGLO|KAF3800316.1 CHIG|XP\_018162944.1 CVIN|KAF4927767.1 CVYL|A06913 FGRM|XP\_011326255.1 MORY|QBZ59734.1 NCRA|XP\_957709.1 SSCL|APA10164.1

>Orthogroup7386: BCIN|XP\_001554204.1 CFRU|XP\_031893477.1 CGLO|KAF3809609.1 CVIN|KAF4919206.1 CVYL|A08433 FGRM|XP\_011322316.1 FGRM|XP\_011322372.1 FGRM|XP\_011322834.1 FGRM|XP\_011325751.1 MGRA|XP\_003855895.1

>Orthogroup7387: BCIN|XP\_001555682.1 CFRU|XP\_031882145.1 CGLO|KAF3804325.1 CHIG|XP\_018160149.1 CVIN|KAF4920143.1 CVYL|A04017 FGRM|XP\_011327841.1 MGRA|XP\_003847922.1 MORY|QBZ58477.1 SSCL|APA10091.1

>Orthogroup7388: BCIN|XP\_001546871.2 BGRA|VDB89769.1 CFRU|XP\_031878471.1 CGLO|KAF3799801.1 CHIG|XP\_018152485.1 CVIN|KAF4892664.1 CVYL|A04792 FGRM|XP\_011318626.1 MGRA|XP\_003851661.1 SSCL|APA10283.1

>Orthogroup7389: BCIN|XP\_024551291.1 CFRU|XP\_031885181.1 CGLO|KAF3807671.1 CHIG|XP\_018162896.1 CVIN|KAF4927829.1 CVYL|A06797 FGRM|XP\_011326282.1 MORY|QBZ55620.1 NCRA|XP\_011393757.1 SSCL|APA10248.1

>Orthogroup7390: BCIN|XP\_001556955.1 CFRU|XP\_031886695.1 CGLO|KAF3804064.1 CHIG|XP\_018162701.1 CVIN|KAF4919559.1 CVYL|A07026 FGRM|XP\_011326954.1 MORY|QBZ61431.1 NCRA|XP\_957776.1 SSCL|APA10559.1

>Orthogroup7391: BCIN|XP\_001548070.1 CFRU|XP\_031875420.1 CFRU|XP\_031886372.1 CGLO|KAF3806396.1 CVIN|KAF4923251.1 CVYL|A11986 FGRM|XP\_011326568.1 NCRA|XP\_955787.1 NCRA|XP\_964336.2 SSCL|APA10533.1

>Orthogroup7392: BCIN|XP\_001548050.1 CFRU|XP\_031877968.1 CGLO|KAF3810965.1 CHIG|XP\_018154875.1 CVIN|KAF4907246.1 CVYL|A02184 FGRM|XP\_011326075.1 MORY|QBZ63276.1 NCRA|XP\_965184.1 SSCL|APA10518.1

>Orthogroup7393: BCIN|XP\_001549988.2 BGRA|VCU41055.1 CFRU|XP\_031878434.1 CGLO|KAF3802650.1 CHIG|XP\_018162509.1 CVYL|A07145 FGRM|XP\_011326961.1 MORY|QBZ55679.1 NCRA|XP\_956162.1 SSCL|APA10602.1

>Orthogroup7394: BCIN|XP\_024551410.1 CFRU|XP\_031892979.1 CGLO|KAF3797481.1 CHIG|XP\_018152387.1 CVIN|KAF4898432.1 CVYL|A09489 FGRM|XP\_011317721.1 MGRA|XP\_003855589.1 MORY|QBZ54478.1 SSCL|APA10653.1

>Orthogroup7395: BCIN|XP\_001557357.1 CFRU|XP\_031893539.1 CGLO|KAF3808113.1 CHIG|XP\_018152813.1 CVIN|KAF4920607.1 CVYL|A08121 FGRM|XP\_011317875.1 MORY|QBZ54838.1 NCRA|XP\_958176.1 SSCL|APA10458.1

>Orthogroup7396: BCIN|XP\_001546835.1 CFRU|XP\_031886809.1 CGLO|KAF3801201.1 CHIG|XP\_018162496.1 CVIN|KAF4932044.1 CVYL|A07133 FGRM|XP\_011324110.1 MORY|QBZ56502.1 NCRA|XP\_959035.1 SSCL|APA10435.1

>Orthogroup7397: BCIN|XP\_024551471.1 BGRA|VDB92930.1 CFRU|XP\_031879207.1 CHIG|XP\_018159685.1 CVIN|KAF4920267.1 CVYL|A06311 FGRM|XP\_011318029.1 MGRA|XP\_003854481.1 NCRA|XP\_959557.1 SSCL|APA10422.1

>Orthogroup7398: BCIN|XP\_001552449.1 CFRU|XP\_031890449.1 CGLO|KAF3804962.1 CHIG|XP\_018164469.1 CVIN|KAF4910224.1 CVYL|A12092 FGRM|XP\_011317118.1 MLAR|XP\_007403993.1 MORY|QBZ61478.1 SSCL|APA14925.1

>Orthogroup7399: BCIN|XP\_001553394.1 BCIN|XP\_001556648.1 BCIN|XP\_024553011.1 CFRU|XP\_031881159.1 CGLO|KAF3802526.1 CHIG|XP\_018162808.1 CVIN|KAF4918990.1 CVYL|A02119 FGRM|XP\_011321838.1 MGRA|XP\_003856112.1

>Orthogroup7400: BCIN|XP\_024551713.1 CFRU|XP\_031882824.1 CHIG|XP\_018163949.1 CVIN|KAF4918424.1 CVYL|A14312 FGRM|XP\_011317037.1 MLAR|XP\_007416484.1 MORY|QBZ56017.1 NCRA|XP\_965295.2 SSCL|APA14551.1

>Orthogroup7401: BCIN|XP\_024551761.1 CFRU|XP\_031879794.1 CGLO|KAF3803008.1 CHIG|XP\_018153555.1 CVIN|KAF4929920.1 CVYL|A00020 FGRM|XP\_011316953.1 MORY|QBZ55425.1 NCRA|XP\_964167.1 SSCL|APA14615.1

>Orthogroup7402: BCIN|XP\_001556888.1 BGRA|VDB89303.1 CFRU|XP\_031892326.1 CGLO|KAF3812272.1 CHIG|XP\_018153495.1 CVIN|KAF4919929.1 CVYL|A00111 FGRM|XP\_011316085.1 MORY|QBZ62941.1 NCRA|XP\_965432.3

>Orthogroup7403: BCIN|XP\_001556902.1 CFRU|XP\_031883878.1 CGLO|KAF3804997.1 CHIG|XP\_018163520.1 CVIN|KAF4927077.1 CVYL|A06551 FGRM|XP\_011316260.1 MORY|QBZ54801.1 NCRA|XP\_011394312.1 SSCL|APA14625.1

>Orthogroup7404: BCIN|XP\_024551810.1 BGRA|VDB90600.1 CFRU|XP\_031888528.1 CGLO|KAF3803569.1 CHIG|XP\_018163912.1 CVIN|KAF4922256.1 MGRA|XP\_003856748.1 MORY|QBZ56032.1 NCRA|XP\_011393377.1 SSCL|APA14686.1

>Orthogroup7405: BCIN|XP\_001558490.1 CFRU|XP\_031888732.1 CGLO|KAF3804130.1 CHIG|XP\_018159970.1 CVIN|KAF4910274.1 CVYL|A03563 FGRM|XP\_011322565.1 MORY|QBZ63946.1 SSCL|APA13514.1 SSCL|APA14703.1

>Orthogroup7406: BCIN|XP\_001558469.1 CFRU|XP\_031892319.1 CGLO|KAF3812277.1 CHIG|XP\_018153502.1 CVIN|KAF4919861.1 CVYL|A00106 FGRM|XP\_011316091.1 MORY|QBZ55603.1 NCRA|XP\_958908.1 SSCL|APA14712.1

>Orthogroup7407: BCIN|XP\_024551838.1 CFRU|XP\_031880001.1 CGLO|KAF3798957.1 CVIN|KAF4923461.1 CVYL|A07874 FGRM|XP\_011328734.1 MGRA|XP\_003847686.1 MLAR|XP\_007407279.1 MORY|QBZ59852.1 SSCL|APA14743.1

>Orthogroup7408: BCIN|XP\_024551907.1 CFRU|XP\_031883950.1 CGLO|KAF3805152.1 CHIG|XP\_018163360.1 CVIN|KAF4927424.1 CVYL|A06404 FGRM|XP\_011321682.1 MORY|QBZ59494.1 NCRA|XP\_962426.1 SSCL|APA06339.1

>Orthogroup7409: BCIN|XP\_001558070.1 CFRU|XP\_031890013.1 CGLO|KAF3798256.1 CHIG|XP\_018151329.1 CVIN|KAF4916926.1 CVYL|A09239 FGRM|XP\_011324216.1 MORY|QBZ56267.1 NCRA|XP\_962625.2 SSCL|APA12934.1

>Orthogroup7410: BCIN|XP\_024552173.1 BGRA|VDB92703.1 CFRU|XP\_031893232.1 CGLO|KAF3800811.1 CHIG|XP\_018150914.1 CVIN|KAF4922474.1 CVYL|A08740 MORY|QBZ58850.1 NCRA|XP\_962344.1 SSCL|APA13078.1

>Orthogroup7411: BCIN|XP\_001553903.1 CFRU|XP\_031883881.1 CGLO|KAF3805083.1 CHIG|XP\_018163430.1 CVIN|KAF4927388.1 CVYL|A06476 FGRM|XP\_011326362.1 NCRA|XP\_964368.2 SSCL|APA08334.1 SSCL|APA12989.1

>Orthogroup7412: BCIN|XP\_001547213.2 BGRA|VCU39266.1 CFRU|XP\_031887472.1 CGLO|KAF3811613.1 CHIG|XP\_018160886.1 CVIN|KAF4921464.1 CVYL|A03472 MORY|QBZ56591.1 NCRA|XP\_964438.2 SSCL|APA13182.1

>Orthogroup7413: BCIN|XP\_024552391.1 BGRA|VCU39154.1 CFRU|XP\_031887670.1 CGLO|KAF3807159.1 CHIG|XP\_018160982.1 CVIN|KAF4917562.1 FGRM|XP\_011328163.1 MORY|QBZ56300.1 NCRA|XP\_011394311.1 SSCL|APA13313.1

>Orthogroup7414: BCIN|XP\_024552450.1 BGRA|VDB93452.1 CFRU|XP\_031886596.1 CGLO|KAF3804116.1 CHIG|XP\_018162631.1 CVIN|KAF4932053.1 CVYL|A07082 FGRM|XP\_011326645.1 MGRA|XP\_003854505.1 SSCL|APA15033.1

>Orthogroup7415: BCIN|XP\_001555349.1 CFRU|XP\_031885821.1 CGLO|KAF3810132.1 CHIG|XP\_018157963.1 CVIN|KAF4912133.1 CVYL|A02722 FGRM|XP\_011328244.1 MORY|QBZ59281.1 NCRA|XP\_960438.1 SSCL|APA08469.1

>Orthogroup7416: BCIN|XP\_001545074.2 CGLO|KAF3801698.1 CHIG|XP\_018159213.1 CVIN|KAF4915626.1 CVYL|A13000 FGRM|XP\_011320279.1 MGRA|XP\_003851946.1 MORY|QBZ62257.1 NCRA|XP\_960384.2 SSCL|APA15637.1

>Orthogroup7417: BCIN|XP\_024552588.1 CFRU|XP\_031879669.1 CFRU|XP\_031890693.1 CGLO|KAF3798567.1 CHIG|XP\_018153967.1 CHIG|XP\_018161912.1 CVIN|KAF4930170.1 CVYL|A04874 FGRM|XP\_011318067.1 MORY|QBZ56733.1

>Orthogroup7418: BCIN|XP\_024552594.1 CFRU|XP\_031885803.1 CGLO|KAF3810228.1 CHIG|XP\_018157888.1 CVIN|KAF4929149.1 CVYL|A02827 FGRM|XP\_011328240.1 MGRA|XP\_003857197.1 MORY|QBZ57321.1 SSCL|APA15667.1

>Orthogroup7419: BCIN|XP\_001548675.1 CFRU|XP\_031883386.1 CGLO|KAF3800510.1 CHIG|XP\_018152217.1 CVIN|KAF4919255.1 CVYL|A13204 FGRM|XP\_011321323.1 MORY|QBZ61107.1 NCRA|XP\_955784.1 SSCL|APA15603.1

>Orthogroup7420: BCIN|XP\_001548189.1 CFRU|XP\_031886400.1 CGLO|KAF3806293.1 CHIG|XP\_018162246.1 CVIN|KAF4923946.1 CVYL|A11885 FGRM|XP\_011324061.1 MORY|QBZ55800.1 NCRA|XP\_957752.1 SSCL|APA15564.1

>Orthogroup7421: BCIN|XP\_024552708.1 CFRU|XP\_031879421.1 CGLO|KAF3802417.1 CHIG|XP\_018154713.1 CVIN|KAF4918210.1 CVYL|A13560 FGRM|XP\_011325646.1 MGRA|XP\_003851489.1 MORY|QBZ59521.1 SSCL|APA15461.1

>Orthogroup7422: BCIN|XP\_001547930.1 BGRA|VCU41237.1 CFRU|XP\_031892666.1 CGLO|KAF3809170.1 CHIG|XP\_018155993.1 CVIN|KAF4919831.1 CVYL|A01358 MGRA|XP\_003857420.1 NCRA|XP\_011394788.1 SSCL|APA07503.1

>Orthogroup7423: BCIN|XP\_024552798.1 CFRU|XP\_031883690.1 CGLO|KAF3810848.1 CHIG|XP\_018155023.1 CVYL|A02287 FGRM|XP\_011317518.1 MGRA|XP\_003854814.1 MORY|QBZ62381.1 NCRA|XP\_011393659.1 SSCL|APA16043.1

>Orthogroup7424: BCIN|XP\_024552802.1 CFRU|XP\_031887304.1 CGLO|KAF3809238.1 CHIG|XP\_018156062.1 CVIN|KAF4925292.1 CVYL|A01428 FGRM|XP\_011319109.1 MORY|QBZ57088.1 NCRA|XP\_961656.2 SSCL|APA16034.1

>Orthogroup7425: BCIN|XP\_024552820.1 CFRU|XP\_031882493.1 CGLO|KAF3807632.1 CHIG|XP\_018156297.1 CVIN|KAF4921405.1 CVYL|A03118 FGRM|XP\_011319037.1 MORY|QBZ62486.1 NCRA|XP\_960694.2 SSCL|APA07631.1

>Orthogroup7426: BCIN|XP\_001552840.1 CFRU|XP\_031887389.1 CGLO|KAF3809292.1 CHIG|XP\_018156120.1 CVIN|KAF4921077.1 CVYL|A01487 FGRM|XP\_011319171.1 MORY|QBZ59022.1 NCRA|XP\_961066.1 SSCL|APA07614.1

>Orthogroup7427: BCIN|XP\_024552873.1 CFRU|XP\_031882497.1 CGLO|KAF3807617.1 CHIG|XP\_018156317.1 CVIN|KAF4928881.1 CVYL|A03137 FGRM|XP\_011319094.1 MORY|QBZ54758.1 NCRA|XP\_958174.1 SSCL|APA16112.1

>Orthogroup7428: BCIN|XP\_024552934.1 BGRA|VCU41280.1 CFRU|XP\_031889446.1 CGLO|KAF3808693.1 CHIG|XP\_018155556.1 CVIN|KAF4929621.1 CVYL|A00956 FGRM|XP\_011321116.1 NCRA|XP\_957405.2 SSCL|APA07548.1

>Orthogroup7429: BCIN|XP\_024552951.1 BGRA|VCU39702.1 CGLO|KAF3797763.1 CHIG|XP\_018156431.1 CVIN|KAF4918802.1 FGRM|XP\_011318784.1 MGRA|XP\_003856114.1 MORY|QBZ57717.1 NCRA|XP\_011395396.1 SSCL|APA07583.1

>Orthogroup7430: BCIN|XP\_024552983.1 CFRU|XP\_031876367.1 CGLO|KAF3801193.1 CVIN|KAF4920600.1 CVYL|A06202 FGRM|XP\_011318988.1 MGRA|XP\_003853783.1 MORY|QBZ57373.1 NCRA|XP\_011394102.1 SSCL|APA16222.1

>Orthogroup7431: BCIN|XP\_024553018.1 BGRA|VCU40832.1 CFRU|XP\_031885514.1 CGLO|KAF3799497.1 CHIG|XP\_018154481.1 CVIN|KAF4931782.1 CVYL|A13357 FGRM|XP\_011321188.1 NCRA|XP\_011393452.1 SSCL|APA16194.1

>Orthogroup7432: BCIN|XP\_001546156.1 CFRU|XP\_031888621.1 CGLO|KAF3799344.1 CHIG|XP\_018159910.1 CVIN|KAF4924769.1 CVYL|A04419 FGRM|XP\_011321377.1 MORY|QBZ59414.1 NCRA|XP\_962099.1 SSCL|APA16271.1

>Orthogroup7433: BCIN|XP\_001553690.2 CFRU|XP\_031880941.1 CGLO|KAF3807002.1 CHIG|XP\_018159661.1 CVYL|A06297 MGRA|XP\_003849130.1 MLAR|XP\_007409659.1 MLAR|XP\_007417364.1 MORY|QBZ58347.1 SSCL|APA13480.1

>Orthogroup7434: BCIN|XP\_001549524.1 CFRU|XP\_031891064.1 CGLO|KAF3811662.1 CHIG|XP\_018151863.1 CVIN|KAF4892839.1 CVYL|A12689 MGRA|XP\_003852681.1 MORY|QBZ55808.1 SSCL|APA10033.1 SSCL|APA13570.1

>Orthogroup7435: BCIN|XP\_001547428.1 CFRU|XP\_031892138.1 CGLO|KAF3801349.1 CHIG|XP\_018153128.1 CVIN|KAF4913324.1 CVYL|A07734 FGRM|XP\_011321916.1 MGRA|XP\_003851030.1 NCRA|XP\_956731.1 SSCL|APA13523.1

>Orthogroup7436: BCIN|XP\_024553304.1 CFRU|XP\_031876505.1 CGLO|KAF3797001.1 CHIG|XP\_018153685.1 CVYL|A00367 FGRM|XP\_011317168.1 MLAR|XP\_007415801.1 MORY|QBZ63951.1 NCRA|XP\_965366.2 SSCL|APA13515.1

>Orthogroup7437: BCIN|XP\_024553308.1 BCIN|XP\_024553769.1 CFRU|XP\_031885522.1 CGLO|KAF3799447.1 CHIG|XP\_018152327.1 CVIN|KAF4931906.1 CVYL|A13309 FGRM|XP\_011316556.1 MORY|QBZ58682.1 SSCL|APA07717.1

>Orthogroup7438: BCIN|XP\_001547443.1 CFRU|XP\_031882877.1 CGLO|KAF3803357.1 CHIG|XP\_018164107.1 CVIN|KAF4915985.1 CVYL|A14284 FGRM|XP\_011316235.1 MORY|QBZ55303.1 NCRA|XP\_963956.1 SSCL|APA13620.1

>Orthogroup7439: BCIN|XP\_024553320.1 CFRU|XP\_031886379.1 CHIG|XP\_018162223.1 CVIN|KAF4923240.1 CVYL|A11957 FGRM|XP\_011324132.1 MGRA|XP\_003850216.1 MORY|QBZ55517.1 NCRA|XP\_957771.1 SSCL|APA13631.1

>Orthogroup7440: BCIN|XP\_024553360.1 CFRU|XP\_031886894.1 CGLO|KAF3811294.1 CHIG|XP\_018160520.1 CVIN|KAF4931186.1 CVYL|A04436 FGRM|XP\_011326683.1 MORY|QBZ57480.1 NCRA|XP\_960922.3 SSCL|APA13679.1

>Orthogroup7441: BCIN|XP\_001553399.2 BCIN|XP\_024553361.1 CFRU|XP\_031878200.1 CGLO|KAF3808530.1 CHIG|XP\_018161939.1 CVIN|KAF4917620.1 CVYL|A01138 CVYL|A11612 FGRM|XP\_011325745.1 MORY|QBZ55702.1

>Orthogroup7442: BCIN|XP\_001558356.1 BGRA|VDB83914.1 CFRU|XP\_031886484.1 CGLO|KAF3806374.1 CHIG|XP\_018160410.1 CHIG|XP\_018162216.1 CHIG|XP\_018162217.1 CVIN|KAF4923267.1 CVYL|A11963 SSCL|APA13763.1

>Orthogroup7443: BCIN|XP\_001548489.1 CFRU|XP\_031888846.1 CGLO|KAF3799340.1 CHIG|XP\_018159915.1 CVIN|KAF4924773.1 CVYL|A04386 FGRM|XP\_011325515.1 MGRA|XP\_003857179.1 NCRA|XP\_959086.2 SSCL|APA13833.1

>Orthogroup7444: BCIN|XP\_024553466.1 CFRU|XP\_031880141.1 CFRU|XP\_031887791.1 CGLO|KAF3798290.1 CHIG|XP\_018163676.1 CVYL|A04057 FGRM|XP\_011315724.1 FGRM|XP\_011320716.1 FGRM|XP\_011328658.1 MORY|QBZ63054.1

>Orthogroup7445: BCIN|XP\_024553828.1 CFRU|XP\_031883057.1 CGLO|KAF3800724.1 CHIG|XP\_018163274.1 CVIN|KAF4919643.1 CVYL|A00480 FGRM|XP\_011326121.1 MORY|QBZ58151.1 NCRA|XP\_957722.1 SSCL|APA15246.1

>Orthogroup7446: BCIN|XP\_001550768.1 CFRU|XP\_031879506.1 CGLO|KAF3802388.1 CHIG|XP\_018154688.1 CVIN|KAF4922180.1 CVYL|A13531 FGRM|XP\_011315617.1 FGRM|XP\_011326811.1 NCRA|XP\_001728278.1 SSCL|APA15276.1

>Orthogroup7447: BCIN|XP\_001550733.1 BGRA|VDB96411.1 CFRU|XP\_031883016.1 CGLO|KAF3808167.1 CHIG|XP\_018163245.1 CVIN|KAF4924271.1 CVYL|A00519 FGRM|XP\_011321883.1 MORY|QBZ57883.1 SSCL|APA15305.1

>Orthogroup7448: BCIN|XP\_024553997.1 CFRU|XP\_031882729.1 CGLO|KAF3812066.1 CGLO|KAF3812067.1 CHIG|XP\_018164176.1 CVIN|KAF4923699.1 CVYL|A14231 FGRM|XP\_011326786.1 NCRA|XP\_011393444.1 SSCL|APA15383.1

>Orthogroup7449: BGRA|VCU38776.1 BGRA|VCU39249.1 BGRA|VCU41386.1 BGRA|VDB83525.1 BGRA|VDB85666.1 BGRA|VDB85804.1 BGRA|VDB88365.1 BGRA|VDB93013.1 BGRA|VDB93181.1 BGRA|VDB94629.1

>Orthogroup7450: BGRA|VCU38875.1 BGRA|VCU39012.1 BGRA|VCU40928.1 BGRA|VDB88071.1 BGRA|VDB88747.1 BGRA|VDB90533.1 BGRA|VDB90845.1 BGRA|VDB91174.1 BGRA|VDB93911.1 BGRA|VDB94724.1

>Orthogroup7451: BGRA|VCU39880.1 CFRU|XP\_031889637.1 CGLO|KAF3810535.1 CHIG|XP\_018159078.1 CVIN|KAF4914548.1 CVYL|A13613 FGRM|XP\_011317207.1 MLAR|XP\_007409214.1 MORY|QBZ57359.1 NCRA|XP\_011395186.1

>Orthogroup7452: BGRA|VCU40077.1 BGRA|VCU40373.1 BGRA|VDB89497.1 BGRA|VDB89844.1 BGRA|VDB90465.1 BGRA|VDB90648.1 BGRA|VDB91353.1 BGRA|VDB92880.1 BGRA|VDB92891.1 BGRA|VDB95104.1

>Orthogroup7453: BGRA|VDB83746.1 CFRU|XP\_031891260.1 CGLO|KAF3797435.1 CHIG|XP\_018157398.1 CVIN|KAF4929413.1 CVYL|A10242 FGRM|XP\_011319865.1 MGRA|XP\_003850723.1 MORY|QBZ63076.1 NCRA|XP\_962141.2

>Orthogroup7454: BGRA|VDB83846.1 CFRU|XP\_031888877.1 CGLO|KAF3804283.1 CHIG|XP\_018160089.1 CVIN|KAF4920108.1 CVYL|A03966 FGRM|XP\_011324584.1 MGRA|XP\_003850334.1 MORY|QBZ63433.1 NCRA|XP\_961166.1

>Orthogroup7455: BGRA|VDB84287.1 CFRU|XP\_031886774.1 CGLO|KAF3804120.1 CHIG|XP\_018162626.1 CVIN|KAF4932050.1 CVYL|A07085 FGRM|XP\_011326652.1 MORY|QBZ55628.1 NCRA|XP\_011393901.1 SSCL|APA10525.1

>Orthogroup7456: BGRA|VDB89016.1 CFRU|XP\_031891663.1 CHIG|XP\_018164721.1 CVIN|KAF4900698.1 CVYL|A07603 FGRM|XP\_011324975.1 MLAR|XP\_007409048.1 MORY|QBZ60935.1 NCRA|XP\_958591.1 SSCL|APA14321.1

>Orthogroup7457: BGRA|VDB89601.1 CFRU|XP\_031887858.1 CGLO|KAF3802177.1 CHIG|XP\_018154306.1 CVIN|KAF4922766.1 CVYL|A03214 FGRM|XP\_011319823.1 MGRA|XP\_003855490.1 MORY|QBZ60380.1 NCRA|XP\_011392919.1

>Orthogroup7458: CFRU|XP\_031889475.1 CFRU|XP\_031893614.1 CGLO|KAF3800814.1 CGLO|KAF3808849.1 CVIN|KAF4909976.1 CVIN|KAF4922471.1 CVYL|A01231 CVYL|A08736 FGRM|XP\_011318111.1 MORY|QBZ62239.1

>Orthogroup7459: CFRU|XP\_031879748.1 CFRU|XP\_031893500.1 CFRU|XP\_031893501.1 CGLO|KAF3808073.1 CHIG|XP\_018152775.1 CVIN|KAF4922835.1 CVIN|KAF4922836.1 CVYL|A08160 FGRM|XP\_011315620.1 FGRM|XP\_011324536.1

>Orthogroup7460: CFRU|XP\_031893150.1 CGLO|KAF3809453.1 CVIN|KAF4921264.1 CVYL|A10020 FGRM|XP\_011318335.1 FGRM|XP\_011321094.1 FGRM|XP\_011322058.1 FGRM|XP\_011322616.1 FGRM|XP\_011327611.1 NCRA|XP\_958360.3

>Orthogroup7461: CFRU|XP\_031888690.1 CGLO|KAF3799290.1 CHIG|XP\_018159872.1 CVIN|KAF4924789.1 CVYL|A03751 FGRM|XP\_011324533.1 MGRA|XP\_003850429.1 MGRA|XP\_003853558.1 MORY|QBZ63031.1 NCRA|XP\_961693.1

>Orthogroup7462: CFRU|XP\_031888048.1 CFRU|XP\_031888049.1 CFRU|XP\_031888941.1 CGLO|KAF3802056.1 CHIG|XP\_018154206.1 CHIG|XP\_018164557.1 CVIN|KAF4894254.1 CVIN|KAF4901927.1 CVYL|A03332 MORY|QBZ63187.1

>Orthogroup7463: CFRU|XP\_031888956.1 CGLO|KAF3799366.1 CVIN|KAF4910715.1 CVYL|A10611 FGRM|XP\_011315582.1 FGRM|XP\_011322272.1 FGRM|XP\_011322522.1 FGRM|XP\_011324706.1 FGRM|XP\_011327354.1 MORY|QBZ56815.1

>Orthogroup7464: CFRU|XP\_031888980.1 CGLO|KAF3799387.1 CGLO|KAF3811683.1 CHIG|XP\_018154240.1 CHIG|XP\_018159959.1 CVIN|KAF4906794.1 CVYL|A03485 MORY|QBZ58970.1 NCRA|XP\_011393563.1 NCRA|XP\_960209.2

>Orthogroup7465: CFRU|XP\_031877676.1 CFRU|XP\_031879555.1 CFRU|XP\_031888979.1 CFRU|XP\_031892085.1 CGLO|KAF3801111.1 CGLO|KAF3804124.1 CHIG|XP\_018155447.1 CVIN|KAF4906795.1 CVIN|KAF4910768.1 CVYL|A03530

>Orthogroup7466: CFRU|XP\_031879620.1 CFRU|XP\_031888857.1 CFRU|XP\_031888858.1 CGLO|KAF3802725.1 CGLO|KAF3804259.1 CVIN|KAF4909073.1 CVIN|KAF4910773.1 CVYL|A03939 CVYL|A03940 CVYL|A08047

>Orthogroup7467: CFRU|XP\_031875908.1 CFRU|XP\_031884146.1 CGLO|KAF3803796.1 CGLO|KAF3807812.1 CHIG|XP\_018163137.1 CVIN|KAF4894260.1 CVIN|KAF4917900.1 CVYL|A00779 CVYL|A14167 FGRM|XP\_011320890.1

>Orthogroup7468: CFRU|XP\_031875848.1 CHIG|XP\_018159429.1 SSCL|APA08601.1 SSCL|APA10373.1 SSCL|APA11290.1 SSCL|APA13348.1 SSCL|APA13390.1 SSCL|APA14651.1 SSCL|APA15269.1 SSCL|APA15665.1

>Orthogroup7469: CFRU|XP\_031875293.1 CFRU|XP\_031875457.1 CFRU|XP\_031875570.1 CFRU|XP\_031875767.1 CFRU|XP\_031885961.1 CFRU|XP\_031888279.1 CFRU|XP\_031891122.1 MORY|QBZ57603.1 SSCL|APA11277.1 SSCL|APA11983.1

>Orthogroup7470: CFRU|XP\_031886673.1 CFRU|XP\_031888366.1 CGLO|KAF3803617.1 CGLO|KAF3807491.1 CHIG|XP\_018154025.1 CHIG|XP\_018157681.1 CVIN|KAF4907613.1 CVIN|KAF4920363.1 CVYL|A05013 CVYL|A14549

>Orthogroup7471: CFRU|XP\_031875793.1 CFRU|XP\_031890301.1 CGLO|KAF3797581.1 CGLO|KAF3802814.1 CHIG|XP\_018158416.1 CVIN|KAF4908246.1 CVIN|KAF4912164.1 CVYL|A03407 CVYL|A11369 MORY|QBZ57681.1

>Orthogroup7472: CFRU|XP\_031875726.1 CFRU|XP\_031878907.1 CGLO|KAF3807929.1 CGLO|KAF3807930.1 CGLO|KAF3807935.1 CHIG|XP\_018163093.1 CHIG|XP\_018163106.1 CVIN|KAF4915246.1 CVYL|A00692 FGRM|XP\_011320755.1

>Orthogroup7473: CFRU|XP\_031887879.1 CFRU|XP\_031890780.1 CGLO|KAF3802021.1 CGLO|KAF3811708.1 CHIG|XP\_018154740.1 CVIN|KAF4905045.1 CVIN|KAF4914260.1 CVYL|A03367 CVYL|A12728 MORY|QBZ60233.1

>Orthogroup7474: CFRU|XP\_031887829.1 CFRU|XP\_031888003.1 CGLO|KAF3802063.1 CGLO|KAF3802064.1 CHIG|XP\_018154195.1 CVIN|KAF4917974.1 CVYL|A03321 CVYL|A03322 FGRM|XP\_011319368.1 NCRA|XP\_961509.3

>Orthogroup7475: CFRU|XP\_031881638.1 CFRU|XP\_031888001.1 CGLO|KAF3802257.1 CHIG|XP\_018156151.1 CVIN|KAF4924428.1 CVIN|KAF4929601.1 CVYL|A10562 FGRM|XP\_011319662.1 FGRM|XP\_011323166.1 MORY|QBZ65413.1

>Orthogroup7476: CFRU|XP\_031887624.1 CFRU|XP\_031891685.1 CFRU|XP\_031892036.1 CGLO|KAF3805657.1 CHIG|XP\_018164671.1 CVIN|KAF4928710.1 FGRM|XP\_011316472.1 FGRM|XP\_011318021.1 MGRA|XP\_003850718.1 MORY|QBZ55307.1

>Orthogroup7477: CFRU|XP\_031887356.1 CGLO|KAF3809352.1 CVIN|KAF4924182.1 CVYL|A01564 FGRM|XP\_011318134.1 FGRM|XP\_011321096.1 FGRM|XP\_011322813.1 FGRM|XP\_011327672.1 MORY|QBZ55010.1 NCRA|XP\_961724.1

>Orthogroup7478: CFRU|XP\_031887054.1 CGLO|KAF3811267.1 CHIG|XP\_018160488.1 CVIN|KAF4927237.1 CVYL|A04470 FGRM|XP\_011326934.1 MGRA|XP\_003847880.1 MGRA|XP\_003848296.1 MORY|QBZ58095.1 NCRA|XP\_963972.1

>Orthogroup7479: CFRU|XP\_031880372.1 CFRU|XP\_031886697.1 CGLO|KAF3804058.1 CGLO|KAF3807289.1 CVIN|KAF4918081.1 CVIN|KAF4919533.1 CVYL|A07019 CVYL|A10782 MORY|QBZ53564.1 MORY|QBZ63294.1

>Orthogroup7480: CFRU|XP\_031886166.1 CFRU|XP\_031892812.1 CGLO|KAF3807195.1 CGLO|KAF3812007.1 CHIG|XP\_018157667.1 CVIN|KAF4928151.1 CVIN|KAF4930435.1 CVIN|KAF4930442.1 CVYL|A05502 CVYL|A10675

>Orthogroup7481: CFRU|XP\_031880632.1 CFRU|XP\_031886126.1 CGLO|KAF3805424.1 CGLO|KAF3809929.1 CVIN|KAF4930413.1 CVIN|KAF4930414.1 CVIN|KAF4930675.1 CVYL|A01695 CVYL|A05554 MORY|QBZ55421.1

>Orthogroup7482: CFRU|XP\_031880754.1 CFRU|XP\_031886125.1 CGLO|KAF3805425.1 CGLO|KAF3809927.1 CVIN|KAF4930406.1 CVIN|KAF4930677.1 CVYL|A01697 CVYL|A05555 MGRA|XP\_003852266.1 MORY|QBZ55419.1

>Orthogroup7483: CFRU|XP\_031875322.1 CFRU|XP\_031878576.1 CFRU|XP\_031884621.1 CGLO|KAF3803339.1 CGLO|KAF3810322.1 CHIG|XP\_018154217.1 CHIG|XP\_018161093.1 CVIN|KAF4897307.1 CVIN|KAF4919283.1 CVYL|A05778

>Orthogroup7484: CFRU|XP\_031885667.1 CFRU|XP\_031891713.1 CFRU|XP\_031892043.1 CGLO|KAF3805641.1 CGLO|KAF3810235.1 CHIG|XP\_018164687.1 CVIN|KAF4925688.1 CVIN|KAF4929090.1 CVYL|A07558 NCRA|XP\_956463.2

>Orthogroup7485: CFRU|XP\_031881440.1 CFRU|XP\_031892595.1 CGLO|KAF3800921.1 CGLO|KAF3807933.1 CHIG|XP\_018153193.1 CVIN|KAF4915243.1 CVIN|KAF4920886.1 CVYL|A00688 CVYL|A05982 MORY|QBZ64113.1

>Orthogroup7486: CFRU|XP\_031878619.1 CFRU|XP\_031890080.1 CFRU|XP\_031891858.1 CFRU|XP\_031892432.1 CGLO|KAF3797068.1 CGLO|KAF3798491.1 CGLO|KAF3798740.1 CGLO|KAF3809805.1 CVIN|KAF4919314.1 CVYL|A06723

>Orthogroup7487: CFRU|XP\_031892532.1 CGLO|KAF3797053.1 CHIG|XP\_018157044.1 CHIG|XP\_018157046.1 CVIN|KAF4908009.1 CVYL|A10652 CVYL|A10653 FGRM|XP\_011318257.1 FGRM|XP\_011321012.1 FGRM|XP\_011328296.1

>Orthogroup7488: CFRU|XP\_031880964.1 CFRU|XP\_031885138.1 CFRU|XP\_031890141.1 CGLO|KAF3800396.1 CGLO|KAF3807791.1 CHIG|XP\_018161416.1 CVIN|KAF4921538.1 CVIN|KAF4930688.1 CVYL|A00810 CVYL|A01791

>Orthogroup7489: CFRU|XP\_031885275.1 CGLO|KAF3807775.1 CVIN|KAF4920520.1 CVYL|A00827 FGRM|XP\_011317596.1 FGRM|XP\_011322409.1 FGRM|XP\_011322740.1 FGRM|XP\_011323161.1 FGRM|XP\_011324381.1 FGRM|XP\_011325157.1

>Orthogroup7490: CFRU|XP\_031885104.1 CGLO|KAF3801476.1 CGLO|KAF3807747.1 CHIG|XP\_018156757.1 CHIG|XP\_018158355.1 CHIG|XP\_018159317.1 CHIG|XP\_018163017.1 CVIN|KAF4920506.1 CVYL|A00851 FGRM|XP\_011320788.1

>Orthogroup7491: CFRU|XP\_031885239.1 CGLO|KAF3807713.1 CHIG|XP\_018159381.1 CHIG|XP\_018162928.1 CVIN|KAF4918889.1 CVYL|A07087 FGRM|XP\_011322686.1 FGRM|XP\_011326131.1 MORY|QBZ61751.1 MORY|QBZ64413.1

>Orthogroup7492: CFRU|XP\_031884685.1 CFRU|XP\_031885059.1 CGLO|KAF3807703.1 CHIG|XP\_018158320.1 CHIG|XP\_018162938.1 CVIN|KAF4895363.1 CVIN|KAF4918866.1 CVYL|A05836 CVYL|A07187 NCRA|XP\_959569.1

>Orthogroup7493: CFRU|XP\_031883518.1 CFRU|XP\_031885077.1 CGLO|KAF3800343.1 CGLO|KAF3810806.1 CHIG|XP\_018162831.1 CHIG|XP\_018165028.1 CVIN|KAF4914538.1 CVYL|A01130 CVYL|A06778 CVYL|A07420

>Orthogroup7494: CFRU|XP\_031884725.1 CFRU|XP\_031884726.1 CGLO|KAF3800952.1 CGLO|KAF3800953.1 CHIG|XP\_018153216.1 CHIG|XP\_018153220.1 CVYL|A05952 CVYL|A05953 MLAR|XP\_007403561.1 MLAR|XP\_007419333.1

>Orthogroup7495: CFRU|XP\_031884273.1 CHIG|XP\_018157040.1 CHIG|XP\_018159070.1 CVIN|KAF4926936.1 CVYL|A10171 MORY|QBZ53537.1 MORY|QBZ54347.1 MORY|QBZ62887.1 MORY|QBZ63112.1 SSCL|APA10032.1

>Orthogroup7496: CFRU|XP\_031883842.1 CGLO|KAF3805158.1 CHIG|XP\_018163355.1 CVIN|KAF4927491.1 CVYL|A06592 FGRM|XP\_011321659.1 MORY|QBZ54092.1 MORY|QBZ63267.1 NCRA|XP\_956929.1 NCRA|XP\_957937.2

>Orthogroup7497: CFRU|XP\_031883774.1 CGLO|KAF3805123.1 CHIG|XP\_018154226.1 CHIG|XP\_018163394.1 CVIN|KAF4927481.1 CVYL|A06434 FGRM|XP\_011318739.1 MORY|QBZ59501.1 NCRA|XP\_962450.2 SSCL|APA15682.1

>Orthogroup7498: CFRU|XP\_031881973.1 CFRU|XP\_031884031.1 CGLO|KAF3804999.1 CGLO|KAF3806031.1 CHIG|XP\_018164633.1 CVIN|KAF4917827.1 CVIN|KAF4927082.1 CVYL|A05444 CVYL|A06548 CVYL|A07478

>Orthogroup7499: CFRU|XP\_031883652.1 CGLO|KAF3811922.1 CVIN|KAF4895622.1 CVYL|A06142 FGRM|XP\_011315720.1 FGRM|XP\_011321129.1 FGRM|XP\_011322848.1 FGRM|XP\_011327632.1 FGRM|XP\_011328715.1 MORY|QBZ60127.1

>Orthogroup7500: CFRU|XP\_031883557.1 FGRM|XP\_011320550.1 MGRA|XP\_003846938.1 MGRA|XP\_003847377.1 MORY|QBZ56771.1 MORY|QBZ58303.1 MORY|QBZ63771.1 MORY|QBZ64039.1 MORY|QBZ66651.1 SSCL|APA08491.1

>Orthogroup7501: CFRU|XP\_031883756.1 CGLO|KAF3798586.1 CGLO|KAF3808554.1 CGLO|KAF3810830.1 CVIN|KAF4911098.1 CVIN|KAF4930081.1 CVYL|A01995 CVYL|A04858 CVYL|A08129 FGRM|XP\_011323252.1

>Orthogroup7502: CFRU|XP\_031883519.1 CFRU|XP\_031892205.1 CHIG|XP\_018155037.1 CHIG|XP\_018164802.1 CVIN|KAF4910763.1 CVIN|KAF4911117.1 CVYL|A02299 CVYL|A07757 FGRM|XP\_011320546.1 FGRM|XP\_011326073.1

>Orthogroup7503: CFRU|XP\_031883115.1 CFRU|XP\_031891100.1 CGLO|KAF3801474.1 CGLO|KAF3807961.1 CHIG|XP\_018163095.1 CVIN|KAF4903843.1 CVIN|KAF4903844.1 CVIN|KAF4924034.1 CVYL|A00666 CVYL|A12649

>Orthogroup7504: CFRU|XP\_031881531.1 CFRU|XP\_031882936.1 CGLO|KAF3807457.1 CVIN|KAF4918506.1 CVIN|KAF4918938.1 CVYL|A10968 CVYL|A12357 FGRM|XP\_011324451.1 MORY|QBZ63423.1 SSCL|APA09894.1

>Orthogroup7505: CFRU|XP\_031879605.1 CFRU|XP\_031891918.1 CGLO|KAF3802761.1 CHIG|XP\_018153842.1 CHIG|XP\_018158235.1 CHIG|XP\_018160087.1 CVYL|A08084 FGRM|XP\_011317484.1 FGRM|XP\_011322745.1 NCRA|XP\_960637.2

>Orthogroup7506: CFRU|XP\_031877917.1 CFRU|XP\_031892191.1 CGLO|KAF3809815.1 CGLO|KAF3810945.1 CVIN|KAF4909511.1 CVIN|KAF4919338.1 CVYL|A02203 CVYL|A06733 FGRM|XP\_011318043.1 MORY|QBZ61792.1

>Orthogroup7507: CFRU|XP\_031892015.1 CGLO|KAF3800141.1 CHIG|XP\_018158171.1 CHIG|XP\_018161824.1 CHIG|XP\_018163224.1 CHIG|XP\_018165077.1 CVIN|KAF4925793.1 CVYL|A06833 FGRM|XP\_011321923.1 FGRM|XP\_011321924.1

>Orthogroup7508: CFRU|XP\_031891931.1 CGLO|KAF3800142.1 CHIG|XP\_018165078.1 CVIN|KAF4925844.1 CVYL|A06834 FGRM|XP\_011327708.1 MGRA|XP\_003852928.1 MORY|QBZ57945.1 MORY|QBZ62722.1 MORY|QBZ65384.1

>Orthogroup7509: CFRU|XP\_031891539.1 CFRU|XP\_031891895.1 CGLO|KAF3800178.1 CGLO|KAF3804700.1 CVIN|KAF4892245.1 CVIN|KAF4923382.1 CVYL|A05423 CVYL|A06869 FGRM|XP\_011318177.1 MORY|QBZ66094.1

>Orthogroup7510: CFRU|XP\_031882323.1 CGLO|KAF3804388.1 CHIG|XP\_018160214.1 CVIN|KAF4930994.1 CVYL|A04084 FGRM|XP\_011319452.1 MGRA|XP\_003852549.1 MGRA|XP\_003853747.1 MGRA|XP\_003855320.1 MGRA|XP\_003856726.1

>Orthogroup7511: CFRU|XP\_031882206.1 CFRU|XP\_031882311.1 CGLO|KAF3804393.1 CGLO|KAF3804397.1 CHIG|XP\_018156934.1 CHIG|XP\_018164637.1 CVIN|KAF4930955.1 CVIN|KAF4930999.1 CVYL|A04089 CVYL|A04093

>Orthogroup7512: CFRU|XP\_031882009.1 CFRU|XP\_031890870.1 CGLO|KAF3801450.1 CGLO|KAF3806127.1 CHIG|XP\_018151897.1 CHIG|XP\_018164536.1 CVIN|KAF4911020.1 CVIN|KAF4912392.1 CVYL|A07381 CVYL|A12676

>Orthogroup7513: CFRU|XP\_031878961.1 CFRU|XP\_031881892.1 CGLO|KAF3797835.1 CGLO|KAF3807901.1 CHIG|XP\_018163071.1 CVIN|KAF4908855.1 CVIN|KAF4915237.1 CVYL|A00713 CVYL|A11543 NCRA|XP\_965560.1

>Orthogroup7514: CFRU|XP\_031881767.1 CGLO|KAF3797845.1 CHIG|XP\_018157676.1 CVIN|KAF4908866.1 CVYL|A11531 FGRM|XP\_011317670.1 FGRM|XP\_011325362.1 MGRA|XP\_003852959.1 MORY|QBZ53588.1 NCRA|XP\_011394447.1

>Orthogroup7515: CFRU|XP\_031881809.1 CGLO|KAF3797851.1 CHIG|XP\_018157698.1 CVIN|KAF4908858.1 CVYL|A11525 FGRM|XP\_011318165.1 FGRM|XP\_011318516.1 FGRM|XP\_011324538.1 MORY|QBZ59386.1 NCRA|XP\_963270.2

>Orthogroup7516: CFRU|XP\_031881421.1 CGLO|KAF3805725.1 CHIG|XP\_018163626.1 CVIN|KAF4926585.1 CVYL|A09818 FGRM|XP\_011325315.1 FGRM|XP\_011328767.1 MGRA|XP\_003853397.1 MORY|QBZ60121.1 NCRA|XP\_959584.1

>Orthogroup7517: CFRU|XP\_031881036.1 CFRU|XP\_031890069.1 CGLO|KAF3802820.1 CGLO|KAF3802944.1 CGLO|KAF3809882.1 CVIN|KAF4894124.1 CVIN|KAF4897541.1 CVIN|KAF4930622.1 CVYL|A01734 CVYL|A12423

>Orthogroup7518: CFRU|XP\_031876853.1 CFRU|XP\_031880800.1 CGLO|KAF3797982.1 CGLO|KAF3806919.1 CHIG|XP\_018164875.1 CVIN|KAF4890287.1 CVIN|KAF4914925.1 CVYL|A02562 CVYL|A08371 FGRM|XP\_011322309.1

>Orthogroup7519: CFRU|XP\_031876430.1 CFRU|XP\_031879508.1 CFRU|XP\_031880808.1 CGLO|KAF3801938.1 CGLO|KAF3802387.1 CGLO|KAF3806985.1 CHIG|XP\_018159882.1 CVIN|KAF4922181.1 CVYL|A06279 CVYL|A13530

>Orthogroup7520: CFRU|XP\_031891293.1 CGLO|KAF3797621.1 CHIG|XP\_018157412.1 CVIN|KAF4929424.1 CVYL|A11079 FGRM|XP\_011323010.1 MORY|QBZ66396.1 NCRA|XP\_011395269.1 NCRA|XP\_959150.1 NCRA|XP\_959823.1

>Orthogroup7521: CFRU|XP\_031891190.1 CFRU|XP\_031891197.1 CGLO|KAF3804579.1 CGLO|KAF3804582.1 CHIG|XP\_018161661.1 CHIG|XP\_018161665.1 CVIN|KAF4923062.1 CVIN|KAF4923064.1 CVYL|A05298 FGRM|XP\_011318680.1

>Orthogroup7522: CFRU|XP\_031890858.1 CGLO|KAF3811674.1 CHIG|XP\_018155225.1 CVIN|KAF4915952.1 CVYL|A12697 MLAR|XP\_007407394.1 MLAR|XP\_007410397.1 MLAR|XP\_007413534.1 MLAR|XP\_007414303.1 MLAR|XP\_007419337.1

>Orthogroup7523: CFRU|XP\_031878840.1 CGLO|KAF3802580.1 CHIG|XP\_018151178.1 CHIG|XP\_018160080.1 CHIG|XP\_018161282.1 CVIN|KAF4917598.1 CVYL|A01868 FGRM|XP\_011322846.1 MORY|QBZ53671.1 MORY|QBZ60628.1

>Orthogroup7524: CFRU|XP\_031890659.1 CGLO|KAF3804934.1 CHIG|XP\_018164436.1 CVIN|KAF4919427.1 CVYL|A12120 FGRM|XP\_011324184.1 MGRA|XP\_003848985.1 MLAR|XP\_007413042.1 MORY|QBZ56021.1 NCRA|XP\_965136.1

>Orthogroup7525: CFRU|XP\_031877700.1 CGLO|KAF3797321.1 CHIG|XP\_018157187.1 CVIN|KAF4917672.1 CVYL|A10373 FGRM|XP\_011325832.1 MORY|QBZ59910.1 MORY|QBZ62405.1 MORY|QBZ65524.1 NCRA|XP\_957427.2

>Orthogroup7526: CFRU|XP\_031877717.1 CGLO|KAF3797350.1 CHIG|XP\_018157161.1 CVIN|KAF4889988.1 CVYL|A10342 FGRM|XP\_011320096.1 MGRA|XP\_003852281.1 MORY|QBZ65893.1 NCRA|XP\_965834.1 SSCL|APA16275.1

>Orthogroup7527: CFRU|XP\_031877601.1 CHIG|XP\_018154990.1 SSCL|APA05391.1 SSCL|APA07342.1 SSCL|APA11274.1 SSCL|APA11307.1 SSCL|APA13410.1 SSCL|APA15324.1 SSCL|APA15325.1 SSCL|APA16227.1

>Orthogroup7528: CFRU|XP\_031877132.1 CGLO|KAF3803984.1 CHIG|XP\_018150947.1 CHIG|XP\_018150949.1 CHIG|XP\_018150958.1 CHIG|XP\_018150959.1 CHIG|XP\_018150960.1 CVIN|KAF4925212.1 CVYL|A08815 NCRA|XP\_011395392.1

>Orthogroup7529: CFRU|XP\_031876886.1 CGLO|KAF3799849.1 CGLO|KAF3809449.1 CHIG|XP\_018157051.1 CHIG|XP\_018158119.1 MGRA|XP\_003852117.1 MGRA|XP\_003852118.1 MGRA|XP\_003853024.1 MGRA|XP\_003853620.1 NCRA|XP\_959736.3

>Orthogroup7530: CFRU|XP\_031889811.1 CFRU|XP\_031889812.1 CGLO|KAF3805858.1 CHIG|XP\_018158863.1 CHIG|XP\_018158864.1 CVIN|KAF4907176.1 CVIN|KAF4907177.1 CVYL|A13852 MORY|QBZ59214.1 NCRA|XP\_965254.2

>Orthogroup7531: FGRM|XP\_011317587.1 FGRM|XP\_011322213.1 NCRA|XP\_011394445.1 SSCL|APA09258.1 SSCL|APA10716.1 SSCL|APA13734.1 SSCL|APA15396.1 SSCL|APA15794.1 SSCL|APA16230.1 SSCL|APA16231.1

>Orthogroup7532: FGRM|XP\_011320904.1 FGRM|XP\_011321861.1 FGRM|XP\_011322350.1 FGRM|XP\_011322471.1 FGRM|XP\_011322481.1 FGRM|XP\_011322482.1 FGRM|XP\_011324300.1 FGRM|XP\_011324340.1 FGRM|XP\_011325428.1 FGRM|XP\_011327384.1

>Orthogroup7533: MGRA|XP\_003853167.1 MGRA|XP\_003853168.1 MGRA|XP\_003853208.1 MGRA|XP\_003853209.1 MGRA|XP\_003853210.1 MGRA|XP\_003853211.1 MGRA|XP\_003853212.1 MGRA|XP\_003853214.1 MGRA|XP\_003853218.1 MGRA|XP\_003853219.1

>Orthogroup7534: MGRA|XP\_003846928.1 MGRA|XP\_003847021.1 MGRA|XP\_003847096.1 MGRA|XP\_003847112.1 MGRA|XP\_003847135.1 MGRA|XP\_003847214.1 MGRA|XP\_003847303.1 MGRA|XP\_003847358.1 MGRA|XP\_003847439.1 MGRA|XP\_003847444.1

>Orthogroup7535: MLAR|XP\_007404134.1 MLAR|XP\_007409478.1 MLAR|XP\_007409907.1 MLAR|XP\_007411625.1 MLAR|XP\_007412510.1 MLAR|XP\_007412603.1 MLAR|XP\_007413763.1 MLAR|XP\_007413765.1 MLAR|XP\_007416317.1 MLAR|XP\_007418485.1

>Orthogroup7536: MLAR|XP\_007403563.1 MLAR|XP\_007405765.1 MLAR|XP\_007406539.1 MLAR|XP\_007408265.1 MLAR|XP\_007408965.1 MLAR|XP\_007410805.1 MLAR|XP\_007412695.1 MLAR|XP\_007416385.1 MLAR|XP\_007417272.1 MLAR|XP\_007418169.1

>Orthogroup7537: MLAR|XP\_007404018.1 MLAR|XP\_007408985.1 MLAR|XP\_007415108.1 MLAR|XP\_007415516.1 MLAR|XP\_007416962.1 MLAR|XP\_007417017.1 MLAR|XP\_007417681.1 MLAR|XP\_007419232.1 MLAR|XP\_007419564.1 MLAR|XP\_007419817.1

>Orthogroup7538: MLAR|XP\_007403920.1 MLAR|XP\_007408581.1 MLAR|XP\_007410156.1 MLAR|XP\_007411110.1 MLAR|XP\_007411746.1 MLAR|XP\_007411874.1 MLAR|XP\_007413806.1 MLAR|XP\_007416184.1 MLAR|XP\_007419235.1 MLAR|XP\_007419244.1

>Orthogroup7539: MLAR|XP\_007404196.1 MLAR|XP\_007406257.1 MLAR|XP\_007407903.1 MLAR|XP\_007408249.1 MLAR|XP\_007411014.1 MLAR|XP\_007411089.1 MLAR|XP\_007414686.1 MLAR|XP\_007416005.1 MLAR|XP\_007419240.1 MLAR|XP\_007419826.1

>Orthogroup7540: MLAR|XP\_007404221.1 MLAR|XP\_007404873.1 MLAR|XP\_007404874.1 MLAR|XP\_007404876.1 MLAR|XP\_007405368.1 MLAR|XP\_007410042.1 MLAR|XP\_007412163.1 MLAR|XP\_007412855.1 MLAR|XP\_007413761.1 MLAR|XP\_007419286.1

>Orthogroup7541: MLAR|XP\_007404956.1 MLAR|XP\_007405731.1 MLAR|XP\_007408367.1 MLAR|XP\_007408586.1 MLAR|XP\_007408768.1 MLAR|XP\_007409358.1 MLAR|XP\_007412446.1 MLAR|XP\_007412859.1 MLAR|XP\_007415663.1 MLAR|XP\_007419831.1

>Orthogroup7542: MLAR|XP\_007405005.1 MLAR|XP\_007407463.1 MLAR|XP\_007411753.1 MLAR|XP\_007411754.1 MLAR|XP\_007411755.1 MLAR|XP\_007411761.1 MLAR|XP\_007412813.1 MLAR|XP\_007413308.1 MLAR|XP\_007413365.1 MLAR|XP\_007416613.1

>Orthogroup7543: MLAR|XP\_007405063.1 MLAR|XP\_007407017.1 MLAR|XP\_007408045.1 MLAR|XP\_007410157.1 MLAR|XP\_007410189.1 MLAR|XP\_007412712.1 MLAR|XP\_007417960.1 MLAR|XP\_007418769.1 MLAR|XP\_007419118.1 MLAR|XP\_007419623.1

>Orthogroup7544: MLAR|XP\_007405175.1 MLAR|XP\_007406287.1 MLAR|XP\_007407054.1 MLAR|XP\_007408331.1 MLAR|XP\_007408580.1 MLAR|XP\_007408585.1 MLAR|XP\_007408594.1 MLAR|XP\_007413141.1 MLAR|XP\_007413142.1 MLAR|XP\_007416169.1

>Orthogroup7545: MLAR|XP\_007405744.1 MLAR|XP\_007406125.1 MLAR|XP\_007406144.1 MLAR|XP\_007406262.1 MLAR|XP\_007409961.1 MLAR|XP\_007411073.1 MLAR|XP\_007411695.1 MLAR|XP\_007411784.1 MLAR|XP\_007415165.1 MLAR|XP\_007415495.1

>Orthogroup7546: MLAR|XP\_007405624.1 MLAR|XP\_007405625.1 MLAR|XP\_007405727.1 MLAR|XP\_007405728.1 MLAR|XP\_007405729.1 MLAR|XP\_007405730.1 MLAR|XP\_007405732.1 MLAR|XP\_007408160.1 MLAR|XP\_007408164.1 MLAR|XP\_007412750.1

>Orthogroup7547: MLAR|XP\_007406172.1 MLAR|XP\_007406173.1 MLAR|XP\_007408920.1 MLAR|XP\_007408922.1 MLAR|XP\_007411806.1 MLAR|XP\_007412598.1 MLAR|XP\_007412599.1 MLAR|XP\_007414775.1 MLAR|XP\_007414847.1 MLAR|XP\_007418920.1

>Orthogroup7548: MLAR|XP\_007406017.1 MLAR|XP\_007406589.1 MLAR|XP\_007406674.1 MLAR|XP\_007406683.1 MLAR|XP\_007410669.1 MLAR|XP\_007410833.1 MLAR|XP\_007413406.1 MLAR|XP\_007417132.1 MLAR|XP\_007417446.1 MLAR|XP\_007419176.1

>Orthogroup7549: MLAR|XP\_007406805.1 MLAR|XP\_007407266.1 MLAR|XP\_007408516.1 MLAR|XP\_007410334.1 MLAR|XP\_007411494.1 MLAR|XP\_007411831.1 MLAR|XP\_007411836.1 MLAR|XP\_007416926.1 MLAR|XP\_007418054.1 MLAR|XP\_007419071.1

>Orthogroup7550: MLAR|XP\_007408205.1 MLAR|XP\_007413304.1 MLAR|XP\_007413998.1 MLAR|XP\_007414417.1 MLAR|XP\_007417084.1 MLAR|XP\_007417146.1 MLAR|XP\_007417148.1 MLAR|XP\_007417166.1 MLAR|XP\_007417190.1 MLAR|XP\_007418742.1

>Orthogroup7551: MLAR|XP\_007415511.1 MLAR|XP\_007415519.1 MLAR|XP\_007415520.1 MLAR|XP\_007415521.1 MLAR|XP\_007415523.1 MLAR|XP\_007415564.1 MLAR|XP\_007415566.1 MLAR|XP\_007419377.1 MLAR|XP\_007419378.1 MLAR|XP\_007419379.1

>Orthogroup7552: MORY|QBZ53239.1 MORY|QBZ53242.1 MORY|QBZ53245.1 MORY|QBZ53248.1 MORY|QBZ53251.1 MORY|QBZ53254.1 MORY|QBZ53257.1 MORY|QBZ53260.1 MORY|QBZ53263.1 MORY|QBZ53266.1

>Orthogroup7553: NCRA|XP\_011394025.1 NCRA|XP\_011394026.1 NCRA|XP\_955828.2 NCRA|XP\_955829.1 NCRA|XP\_956138.1 NCRA|XP\_956139.1 NCRA|XP\_956140.2 NCRA|XP\_957365.2 NCRA|XP\_957366.1 NCRA|XP\_957367.1

>Orthogroup7554: NCRA|XP\_962731.1 NCRA|XP\_962734.2 NCRA|XP\_962736.2 NCRA|XP\_962737.1 NCRA|XP\_962738.1 NCRA|XP\_962753.1 NCRA|XP\_962779.2 NCRA|XP\_962807.1 NCRA|XP\_962808.1 NCRA|XP\_962981.3

>Orthogroup7555: ANID|CBF69447.1 BCIN|XP\_001559694.1 CFRU|XP\_031884668.1 CGLO|KAF3799075.1 CHIG|XP\_018158183.1 CVIN|KAF4918241.1 CVYL|A11454 FGRM|XP\_011325143.1 SSCL|APA09441.1

>Orthogroup7556: ANID|CBF69453.1 CFRU|XP\_031875699.1 CFRU|XP\_031883768.1 CGLO|KAF3798123.1 CGLO|KAF3805178.1 CHIG|XP\_018151581.1 CVYL|A06575 CVYL|A08236 MLAR|XP\_007406978.1

>Orthogroup7557: ANID|CBF69472.1 CFRU|XP\_031889060.1 CGLO|KAF3804236.1 CHIG|XP\_018160064.1 CVIN|KAF4930136.1 CVYL|A03907 FGRM|XP\_011325389.1 MGRA|XP\_003851493.1 MORY|QBZ58698.1

>Orthogroup7558: ANID|CBF69527.1 CFRU|XP\_031881620.1 CGLO|KAF3807420.1 CHIG|XP\_018156807.1 CVIN|KAF4906634.1 CVYL|A10921 FGRM|XP\_011321167.1 FGRM|XP\_011321455.1 FGRM|XP\_011322562.1

>Orthogroup7559: ANID|CBF69640.1 BCIN|XP\_001554966.1 CFRU|XP\_031885088.1 CHIG|XP\_018162957.1 CVIN|KAF4920507.1 FGRM|XP\_011317843.1 MORY|QBZ56449.1 NCRA|XP\_964267.1 SSCL|APA07758.1

>Orthogroup7560: ANID|CBF70087.1 BCIN|XP\_024546302.1 CFRU|XP\_031888246.1 CGLO|KAF3803456.1 CHIG|XP\_018163983.1 CVIN|KAF4926347.1 CVYL|A14384 MORY|QBZ63482.1 SSCL|APA06922.1

>Orthogroup7561: ANID|CBF70126.1 ANID|CBF81950.1 ANID|CBF89630.1 BCIN|XP\_001546544.2 FGRM|XP\_011318038.1 FGRM|XP\_011322944.1 FGRM|XP\_011325713.1 MGRA|XP\_003849561.1 MORY|QBZ65506.1

>Orthogroup7562: ANID|CBF70209.1 BCIN|XP\_024547026.1 CFRU|XP\_031889674.1 CGLO|KAF3805975.1 CHIG|XP\_018158947.1 CVIN|KAF4917817.1 CVYL|A13746 FGRM|XP\_011328817.1 NCRA|XP\_960216.3

>Orthogroup7563: ANID|CBF70520.1 ANID|CBF85404.1 CFRU|XP\_031884762.1 CGLO|KAF3812107.1 CHIG|XP\_018153345.1 CVIN|KAF4918134.1 CVYL|A00289 FGRM|XP\_011322045.1 FGRM|XP\_011328769.1

>Orthogroup7564: ANID|CBF70592.1 CFRU|XP\_031882983.1 CGLO|KAF3808197.1 CHIG|XP\_018153982.1 CVIN|KAF4924288.1 CVYL|A00548 MGRA|XP\_003852594.1 MORY|QBZ65576.1 NCRA|XP\_001728539.2

>Orthogroup7565: ANID|CBF70654.1 ANID|CBF83827.1 BCIN|XP\_001550710.1 BCIN|XP\_001555691.1 FGRM|XP\_011322021.1 MGRA|XP\_003854971.1 MORY|QBZ55048.1 SSCL|APA10101.1 SSCL|APA15368.1

>Orthogroup7566: ANID|CBF70701.1 BGRA|VDB89410.1 CFRU|XP\_031887929.1 CGLO|KAF3802220.1 CHIG|XP\_018154324.1 CVYL|A03181 FGRM|XP\_011318161.1 MGRA|XP\_003856975.1 MORY|QBZ56734.1

>Orthogroup7567: ANID|CBF70732.1 BCIN|XP\_001554456.1 CFRU|XP\_031876399.1 CHIG|XP\_018156438.1 FGRM|XP\_011318776.1 MGRA|XP\_003851534.1 MLAR|XP\_007414851.1 NCRA|XP\_960064.2 SSCL|APA12623.1

>Orthogroup7568: ANID|CBF71077.1 CFRU|XP\_031880708.1 CGLO|KAF3811186.1 CHIG|XP\_018160407.1 CVIN|KAF4931224.1 CVYL|A04349 FGRM|XP\_011324879.1 MORY|QBZ64682.1 NCRA|XP\_011394706.1

>Orthogroup7569: ANID|CBF71117.1 CFRU|XP\_031880789.1 CGLO|KAF3806882.1 CHIG|XP\_018159584.1 CVIN|KAF4894670.1 CVYL|A02527 MGRA|XP\_003850496.1 MGRA|XP\_003852042.1 MORY|QBZ59119.1

>Orthogroup7570: ANID|CBF71401.1 ANID|CBF71420.1 ANID|CBF87364.1 CFRU|XP\_031892221.1 CGLO|KAF3799309.1 CGLO|KAF3805611.1 CGLO|KAF3805612.1 CVIN|KAF4903414.1 FGRM|XP\_011328636.1

>Orthogroup7571: ANID|CBF71447.1 CFRU|XP\_031884995.1 CGLO|KAF3812198.1 CHIG|XP\_018153424.1 CVIN|KAF4920954.1 CVYL|A00187 FGRM|XP\_011320301.1 MGRA|XP\_003856198.1 MORY|QBZ58217.1

>Orthogroup7572: ANID|CBF71461.1 ANID|CBF73479.1 ANID|CBF82814.1 ANID|CBF86054.1 ANID|CBF88304.1 ANID|CBF89293.1 BCIN|XP\_024547559.1 CHIG|XP\_018160172.1 NCRA|XP\_959123.2

>Orthogroup7573: ANID|CBF71636.1 ANID|CBF83743.1 BCIN|XP\_024548730.1 CFRU|XP\_031885091.1 CGLO|KAF3807719.1 CHIG|XP\_018153610.1 CVIN|KAF4918886.1 CVYL|A07042 SSCL|APA09774.1

>Orthogroup7574: ANID|CBF71655.1 ANID|CBF87485.1 CFRU|XP\_031886193.1 CFRU|XP\_031891138.1 CGLO|KAF3797940.1 CGLO|KAF3805535.1 CHIG|XP\_018161224.1 CVIN|KAF4918304.1 CVYL|A05658

>Orthogroup7575: ANID|CBF71729.1 CFRU|XP\_031878073.1 CGLO|KAF3799584.1 CHIG|XP\_018154580.1 CVIN|KAF4926508.1 CVYL|A13444 FGRM|XP\_011325560.1 MORY|QBZ53974.1 NCRA|XP\_955962.1

>Orthogroup7576: ANID|CBF71807.1 BCIN|XP\_001548266.1 CFRU|XP\_031890990.1 CGLO|KAF3801515.1 CVIN|KAF4898149.1 CVYL|A12619 FGRM|XP\_011321719.1 MORY|QBZ64018.1 SSCL|APA09926.1

>Orthogroup7577: ANID|CBF73417.1 CFRU|XP\_031881169.1 CGLO|KAF3810982.1 CHIG|XP\_018154856.1 CHIG|XP\_018163338.1 CVIN|KAF4921864.1 CVYL|A02170 FGRM|XP\_011321749.1 MORY|QBZ59883.1

>Orthogroup7578: ANID|CBF73522.1 ANID|CBF85451.1 CFRU|XP\_031886146.1 CGLO|KAF3811979.1 CHIG|XP\_018155260.1 CVIN|KAF4930330.1 CVYL|A05529 FGRM|XP\_011325042.1 FGRM|XP\_011326394.1

>Orthogroup7579: ANID|CBF73731.1 CFRU|XP\_031890323.1 CHIG|XP\_018164403.1 CVIN|KAF4921174.1 CVYL|A12198 FGRM|XP\_011316818.1 MGRA|XP\_003851533.1 MORY|QBZ63630.1 NCRA|XP\_965340.3

>Orthogroup7580: ANID|CBF73764.1 ANID|CBF85714.1 CFRU|XP\_031884099.1 CGLO|KAF3811075.1 CHIG|XP\_018153098.1 CVIN|KAF4915262.1 CVYL|A09727 MORY|QBZ61243.1 NCRA|XP\_958676.2

>Orthogroup7581: ANID|CBF73808.1 BCIN|XP\_001557899.1 CFRU|XP\_031883854.1 CGLO|KAF3805039.1 CHIG|XP\_018163467.1 CVIN|KAF4927145.1 CVYL|A06512 FGRM|XP\_011322154.1 MORY|QBZ60874.1

>Orthogroup7582: ANID|CBF73908.1 ANID|CBF82980.1 CFRU|XP\_031889357.1 CFRU|XP\_031890715.1 CGLO|KAF3803134.1 CVIN|KAF4921112.1 CVYL|A12560 MGRA|XP\_003856764.1 MLAR|XP\_007406906.1

>Orthogroup7583: ANID|CBF73933.1 CFRU|XP\_031878819.1 CFRU|XP\_031892132.1 CGLO|KAF3797493.1 CHIG|XP\_018153849.1 CHIG|XP\_018156037.1 CVIN|KAF4921629.1 CVYL|A01941 MGRA|XP\_003847681.1

>Orthogroup7584: ANID|CBF73944.1 BCIN|XP\_024550505.1 BCIN|XP\_024551249.1 CFRU|XP\_031878899.1 CGLO|KAF3807852.1 CHIG|XP\_018163042.1 CVIN|KAF4922609.1 CVYL|A00759 SSCL|APA10100.1

>Orthogroup7585: ANID|CBF73974.1 CFRU|XP\_031878622.1 CGLO|KAF3798465.1 CVIN|KAF4920036.1 CVYL|A11178 FGRM|XP\_011322188.1 FGRM|XP\_011323236.1 SSCL|APA09611.1 SSCL|APA09613.1

>Orthogroup7586: ANID|CBF73981.1 BCIN|XP\_001553083.1 CFRU|XP\_031890239.1 CGLO|KAF3798729.1 CHIG|XP\_018151266.1 CVIN|KAF4896322.1 CVYL|A09184 FGRM|XP\_011323111.1 SSCL|APA11299.1

>Orthogroup7587: ANID|CBF74308.1 BCIN|XP\_024553273.1 CFRU|XP\_031883436.1 CGLO|KAF3800598.1 CHIG|XP\_018152080.1 FGRM|XP\_011321291.1 MORY|QBZ62097.1 NCRA|XP\_956976.3 SSCL|APA13564.1

>Orthogroup7588: ANID|CBF74446.1 BCIN|XP\_001548183.1 CFRU|XP\_031882550.1 CHIG|XP\_018152235.1 FGRM|XP\_011325688.1 MGRA|XP\_003857538.1 MORY|QBZ56641.1 NCRA|XP\_956011.3 SSCL|APA15562.1

>Orthogroup7589: ANID|CBF74595.1 ANID|CBF80984.1 CFRU|XP\_031884495.1 CGLO|KAF3810317.1 CHIG|XP\_018158342.1 CVIN|KAF4913306.1 CVYL|A05788 FGRM|XP\_011315812.1 MGRA|XP\_003853317.1

>Orthogroup7590: ANID|CBF74656.1 BCIN|XP\_001546040.2 CFRU|XP\_031889941.1 CGLO|KAF3802834.1 CVIN|KAF4905793.1 CVYL|A05177 FGRM|XP\_011326162.1 MGRA|XP\_003854211.1 SSCL|APA12576.1

>Orthogroup7591: ANID|CBF74851.1 BCIN|XP\_024548812.1 CFRU|XP\_031886652.1 CGLO|KAF3806782.1 CHIG|XP\_018158766.1 CVIN|KAF4905654.1 CVYL|A04996 NCRA|XP\_965313.2 SSCL|APA09630.1

>Orthogroup7592: ANID|CBF74932.1 BCIN|XP\_001552707.1 BCIN|XP\_024547179.1 BCIN|XP\_024553031.1 CFRU|XP\_031891692.1 CGLO|KAF3805648.1 CVIN|KAF4925684.1 CVYL|A07550 SSCL|APA14097.1

>Orthogroup7593: ANID|CBF75026.1 ANID|CBF79004.1 CFRU|XP\_031879201.1 CGLO|KAF3807085.1 CHIG|XP\_018159746.1 CVIN|KAF4919069.1 CVYL|A06379 FGRM|XP\_011316737.1 NCRA|XP\_960560.3

>Orthogroup7594: ANID|CBF75163.1 CFRU|XP\_031880263.1 CGLO|KAF3809015.1 CHIG|XP\_018155852.1 CVIN|KAF4918016.1 CVYL|A01585 FGRM|XP\_011320175.1 NCRA|XP\_959853.2 NCRA|XP\_961707.1

>Orthogroup7595: ANID|CBF75188.1 BCIN|XP\_001547427.1 CFRU|XP\_031879005.1 CGLO|KAF3798861.1 CHIG|XP\_018151174.1 CVIN|KAF4920331.1 CVYL|A09075 MORY|QBZ58627.1 SSCL|APA13524.1

>Orthogroup7596: ANID|CBF75228.1 BCIN|XP\_024548753.1 BGRA|VCU40028.1 CFRU|XP\_031882289.1 CHIG|XP\_018160251.1 MGRA|XP\_003851170.1 MLAR|XP\_007403759.1 NCRA|XP\_961107.1 SSCL|APA09739.1

>Orthogroup7597: ANID|CBF75398.1 CFRU|XP\_031886197.1 CGLO|KAF3805539.1 CHIG|XP\_018155389.1 CVIN|KAF4918308.1 CVYL|A05662 FGRM|XP\_011322593.1 MGRA|XP\_003849212.1 MORY|QBZ64435.1

>Orthogroup7598: ANID|CBF75432.1 BCIN|XP\_001547303.2 BCIN|XP\_024547418.1 BCIN|XP\_024552409.1 BCIN|XP\_024552689.1 CFRU|XP\_031889886.1 CVIN|KAF4917814.1 FGRM|XP\_011315910.1 SSCL|APA14945.1

>Orthogroup7599: ANID|CBF75491.1 BCIN|XP\_001549946.1 CFRU|XP\_031884904.1 CGLO|KAF3812098.1 CHIG|XP\_018153256.1 CVIN|KAF4918119.1 CVYL|A00304 MGRA|XP\_003857032.1 SSCL|APA06634.1

>Orthogroup7600: ANID|CBF75582.1 CFRU|XP\_031877517.1 CFRU|XP\_031879034.1 CGLO|KAF3797539.1 CGLO|KAF3798773.1 CVIN|KAF4912764.1 CVIN|KAF4921618.1 CVYL|A01988 CVYL|A09149

>Orthogroup7601: ANID|CBF76020.1 CFRU|XP\_031876883.1 CGLO|KAF3799825.1 CHIG|XP\_018153831.1 CVIN|KAF4888791.1 CVYL|A09686 FGRM|XP\_011322881.1 MGRA|XP\_003852778.1 MORY|QBZ61880.1

>Orthogroup7602: ANID|CBF76171.1 ANID|CBF83029.1 CFRU|XP\_031881485.1 CGLO|KAF3805797.1 CHIG|XP\_018154954.1 CVIN|KAF4926617.1 CVYL|A06023 FGRM|XP\_011322443.1 MORY|QBZ57078.1

>Orthogroup7603: ANID|CBF76179.1 ANID|CBF78803.1 CFRU|XP\_031881816.1 CGLO|KAF3809980.1 CHIG|XP\_018157695.1 CVIN|KAF4905018.1 CVYL|A11498 FGRM|XP\_011323522.1 MORY|QBZ66424.1

>Orthogroup7604: ANID|CBF76308.1 BCIN|XP\_024547315.1 BGRA|VDB88957.1 CFRU|XP\_031892049.1 CHIG|XP\_018164682.1 MGRA|XP\_003848705.1 MORY|QBZ62305.1 NCRA|XP\_011395378.1 SSCL|APA14303.1

>Orthogroup7605: ANID|CBF76414.1 CFRU|XP\_031884890.1 CGLO|KAF3800998.1 CHIG|XP\_018153245.1 CVIN|KAF4912978.1 CVYL|A05908 FGRM|XP\_011321603.1 MORY|QBZ59401.1 NCRA|XP\_958012.2

>Orthogroup7606: ANID|CBF76447.1 ANID|CBF78267.1 ANID|CBF78822.1 ANID|CBF80174.1 ANID|CBF90101.1 CHIG|XP\_018151845.1 CHIG|XP\_018155792.1 CHIG|XP\_018155795.1 FGRM|XP\_011318229.1

>Orthogroup7607: ANID|CBF76640.1 CFRU|XP\_031892246.1 CGLO|KAF3801379.1 CHIG|XP\_018164768.1 CVIN|KAF4907819.1 CVYL|A07703 MGRA|XP\_003857002.1 MORY|QBZ53374.1 NCRA|XP\_964549.2

>Orthogroup7608: ANID|CBF76727.1 BGRA|VCU38944.1 CFRU|XP\_031892777.1 CGLO|KAF3797258.1 CHIG|XP\_018157254.1 CVIN|KAF4920682.1 CVYL|A10435 MORY|QBZ66287.1 NCRA|XP\_964856.1

>Orthogroup7609: ANID|CBF77314.1 BCIN|XP\_001547089.2 BCIN|XP\_024551878.1 CFRU|XP\_031876671.1 CGLO|KAF3801923.1 CVIN|KAF4918693.1 CVYL|A02360 FGRM|XP\_011322032.1 SSCL|APA08381.1

>Orthogroup7610: ANID|CBF77557.1 CFRU|XP\_031893262.1 CGLO|KAF3800879.1 CHIG|XP\_018150811.1 CVIN|KAF4911861.1 CVYL|A11117 MGRA|XP\_003848282.1 NCRA|XP\_955979.2 SSCL|APA07740.1

>Orthogroup7611: ANID|CBF77639.1 CFRU|XP\_031889425.1 CGLO|KAF3808798.1 CHIG|XP\_018155686.1 CVIN|KAF4906815.1 CVYL|A00866 FGRM|XP\_011319349.1 MORY|QBZ64623.1 NCRA|XP\_961422.1

>Orthogroup7612: ANID|CBF78067.1 CFRU|XP\_031875408.1 CFRU|XP\_031875425.1 CFRU|XP\_031875854.1 CGLO|KAF3803811.1 CHIG|XP\_018150616.1 CHIG|XP\_018150631.1 CVYL|A08512 FGRM|XP\_011323115.1

>Orthogroup7613: ANID|CBF78210.1 BCIN|XP\_001550428.1 BGRA|VDB89827.1 CFRU|XP\_031892743.1 CHIG|XP\_018157216.1 CVIN|KAF4894462.1 CVYL|A10399 NCRA|XP\_965724.1 SSCL|APA11690.1

>Orthogroup7614: ANID|CBF78245.1 CFRU|XP\_031888156.1 CGLO|KAF3797602.1 CHIG|XP\_018156493.1 CVIN|KAF4899209.1 CVYL|A03389 FGRM|XP\_011322308.1 MGRA|XP\_003854332.1 MORY|QBZ57518.1

>Orthogroup7615: ANID|CBF78286.1 CFRU|XP\_031880687.1 CFRU|XP\_031884537.1 CFRU|XP\_031884539.1 CGLO|KAF3799094.1 CGLO|KAF3809922.1 CVIN|KAF4930674.1 CVYL|A01702 MGRA|XP\_003848983.1

>Orthogroup7616: ANID|CBF78360.1 CFRU|XP\_031886567.1 CGLO|KAF3804067.1 CHIG|XP\_018162698.1 CVIN|KAF4919519.1 CVYL|A07029 FGRM|XP\_011315600.1 MORY|QBZ61429.1 NCRA|XP\_957130.3

>Orthogroup7617: ANID|CBF78427.1 ANID|CBF82918.1 ANID|CBF82942.1 BCIN|XP\_001551084.1 CFRU|XP\_031893475.1 CGLO|KAF3809613.1 CHIG|XP\_018152590.1 CVIN|KAF4919215.1 CVYL|A08429

>Orthogroup7618: ANID|CBF78447.1 BCIN|XP\_001551986.1 CFRU|XP\_031888103.1 CGLO|KAF3802152.1 CVIN|KAF4907213.1 CVYL|A03241 FGRM|XP\_011315633.1 FGRM|XP\_011317606.1 MGRA|XP\_003850338.1

>Orthogroup7619: ANID|CBF78488.1 BCIN|XP\_001556528.1 CFRU|XP\_031893609.1 CGLO|KAF3800821.1 CGLO|KAF3806043.1 CHIG|XP\_018162114.1 CVIN|KAF4922493.1 FGRM|XP\_011321807.1 SSCL|APA06811.1

>Orthogroup7620: ANID|CBF78495.1 ANID|CBF90356.1 CFRU|XP\_031892215.1 CGLO|KAF3800175.1 CVIN|KAF4892244.1 FGRM|XP\_011317634.1 FGRM|XP\_011323070.1 MGRA|XP\_003855008.1 MORY|QBZ63333.1

>Orthogroup7621: ANID|CBF78517.1 CFRU|XP\_031881379.1 CGLO|KAF3805747.1 CHIG|XP\_018163012.1 CVIN|KAF4926592.1 CVYL|A09856 FGRM|XP\_011328549.1 MORY|QBZ53418.1 NCRA|XP\_957950.1

>Orthogroup7622: ANID|CBF78579.1 CFRU|XP\_031875312.1 CFRU|XP\_031875370.1 CFRU|XP\_031875523.1 CFRU|XP\_031881423.1 CGLO|KAF3805730.1 CGLO|KAF3811953.1 CVIN|KAF4926582.1 FGRM|XP\_011321776.1

>Orthogroup7623: ANID|CBF78605.1 BCIN|XP\_024550451.1 CFRU|XP\_031882155.1 CHIG|XP\_018160285.1 CVIN|KAF4930945.1 CVYL|A04171 FGRM|XP\_011324502.1 MORY|QBZ54425.1 SSCL|APA11159.1

>Orthogroup7624: ANID|CBF78693.1 CFRU|XP\_031876018.1 CGLO|KAF3810685.1 CHIG|XP\_018162450.1 CVIN|KAF4916962.1 CVYL|A07272 FGRM|XP\_011327014.1 MGRA|XP\_003855362.1 MORY|QBZ62946.1

>Orthogroup7625: ANID|CBF78732.1 CFRU|XP\_031878857.1 CGLO|KAF3797505.1 CHIG|XP\_018159702.1 CVIN|KAF4921665.1 CVYL|A01951 MORY|QBZ53321.1 MORY|QBZ56784.1 SSCL|APA10035.1

>Orthogroup7626: ANID|CBF78807.1 CFRU|XP\_031881432.1 CGLO|KAF3805761.1 CHIG|XP\_018158846.1 CVIN|KAF4926564.1 CVYL|A06055 FGRM|XP\_011322417.1 FGRM|XP\_011322902.1 FGRM|XP\_011325222.1

>Orthogroup7627: ANID|CBF78818.1 ANID|CBF87094.1 CFRU|XP\_031889865.1 CGLO|KAF3810521.1 CHIG|XP\_018152899.1 CVIN|KAF4914562.1 CVYL|A13599 FGRM|XP\_011321937.1 MGRA|XP\_003852740.1

>Orthogroup7628: ANID|CBF78977.1 BCIN|XP\_024551980.1 CFRU|XP\_031889629.1 CGLO|KAF3810639.1 CHIG|XP\_018158967.1 CVIN|KAF4917785.1 CVYL|A13722 MLAR|XP\_007407230.1 SSCL|APA12683.1

>Orthogroup7629: ANID|CBF78995.1 ANID|CBF79443.1 CFRU|XP\_031888938.1 CGLO|KAF3804272.1 CHIG|XP\_018151622.1 CVIN|KAF4909064.1 CVYL|A03955 FGRM|XP\_011322115.1 MGRA|XP\_003848403.1

>Orthogroup7630: ANID|CBF79141.1 BGRA|VDB89008.1 CFRU|XP\_031884274.1 CGLO|KAF3799955.1 CHIG|XP\_018159073.1 CVYL|A12433 MORY|QBZ54334.1 MORY|QBZ54352.1 MORY|QBZ62901.1

>Orthogroup7631: ANID|CBF79152.1 CFRU|XP\_031892230.1 CGLO|KAF3809698.1 CVIN|KAF4921974.1 CVYL|A06621 FGRM|XP\_011321998.1 MORY|QBZ58162.1 NCRA|XP\_011395068.1 NCRA|XP\_960136.3

>Orthogroup7632: ANID|CBF79197.1 BCIN|XP\_024552179.1 BGRA|VDB92718.1 CFRU|XP\_031887490.1 CVIN|KAF4917584.1 CVYL|A03576 MORY|QBZ56263.1 NCRA|XP\_962618.2 SSCL|APA13095.1

>Orthogroup7633: ANID|CBF79625.1 BCIN|XP\_024550980.1 CFRU|XP\_031884729.1 CFRU|XP\_031884742.1 CGLO|KAF3812208.1 CHIG|XP\_018153437.1 CVIN|KAF4920969.1 CVYL|A00175 NCRA|XP\_964662.3

>Orthogroup7634: ANID|CBF79700.1 ANID|CBF79834.1 CFRU|XP\_031886375.1 CGLO|KAF3806239.1 CHIG|XP\_018162076.1 CVIN|KAF4931478.1 CVYL|A11828 FGRM|XP\_011324011.1 SSCL|APA08098.1

>Orthogroup7635: ANID|CBF79707.1 CFRU|XP\_031884432.1 CGLO|KAF3799755.1 CHIG|XP\_018158248.1 CHIG|XP\_018161687.1 CVIN|KAF4918968.1 CVYL|A11341 FGRM|XP\_011327351.1 NCRA|XP\_961720.1

>Orthogroup7636: ANID|CBF79773.1 CFRU|XP\_031889393.1 CGLO|KAF3801405.1 CGLO|KAF3808757.1 CHIG|XP\_018155659.1 CVIN|KAF4906977.1 CVYL|A00904 CVYL|A07678 FGRM|XP\_011326126.1

>Orthogroup7637: ANID|CBF79900.1 BCIN|XP\_001559922.1 CFRU|XP\_031893318.1 CGLO|KAF3809645.1 CHIG|XP\_018152574.1 CVIN|KAF4896985.1 CVYL|A08418 FGRM|XP\_011319585.1 FGRM|XP\_011319645.1

>Orthogroup7638: ANID|CBF79956.1 BCIN|XP\_024550233.1 CFRU|XP\_031892591.1 CGLO|KAF3797114.1 CHIG|XP\_018157083.1 CVYL|A10592 FGRM|XP\_011315793.1 NCRA|XP\_001728455.2 SSCL|APA10904.1

>Orthogroup7639: ANID|CBF80178.1 BCIN|XP\_024553464.1 CFRU|XP\_031889640.1 CGLO|KAF3810646.1 CVIN|KAF4917798.1 CVYL|A13733 FGRM|XP\_011317592.1 FGRM|XP\_011322961.1 MGRA|XP\_003856738.1

>Orthogroup7640: ANID|CBF80225.1 CFRU|XP\_031891369.1 CGLO|KAF3797904.1 CHIG|XP\_018161615.1 CVIN|KAF4905691.1 CVYL|A05341 FGRM|XP\_011318664.1 MGRA|XP\_003849559.1 MORY|QBZ62025.1

>Orthogroup7641: ANID|CBF80262.1 ANID|CBF89314.1 BCIN|XP\_024553297.1 CFRU|XP\_031882529.1 CGLO|KAF3803936.1 CVIN|KAF4903544.1 CVYL|A08866 MGRA|XP\_003854102.1 SSCL|APA13529.1

>Orthogroup7642: ANID|CBF80296.1 ANID|CBF90344.1 CFRU|XP\_031892210.1 CGLO|KAF3800172.1 CVIN|KAF4925848.1 FGRM|XP\_011315679.1 FGRM|XP\_011323074.1 MGRA|XP\_003847683.1 MORY|QBZ63335.1

>Orthogroup7643: ANID|CBF80309.1 CFRU|XP\_031877428.1 CFRU|XP\_031880928.1 CGLO|KAF3805340.1 CGLO|KAF3806896.1 CVIN|KAF4904507.1 CVIN|KAF4931571.1 CVYL|A02541 CVYL|A11717

>Orthogroup7644: ANID|CBF80458.1 BCIN|XP\_001548625.1 CFRU|XP\_031879122.1 CFRU|XP\_031881562.1 CGLO|KAF3807444.1 CHIG|XP\_018151157.1 CVIN|KAF4918524.1 CVYL|A09059 CVYL|A10952

>Orthogroup7645: ANID|CBF80537.1 CFRU|XP\_031889027.1 CGLO|KAF3799361.1 CHIG|XP\_018159946.1 CVIN|KAF4910710.1 CVYL|A04630 FGRM|XP\_011327496.1 MGRA|XP\_003855274.1 NCRA|XP\_960132.1

>Orthogroup7646: ANID|CBF80632.1 CFRU|XP\_031890951.1 CGLO|KAF3801548.1 CGLO|KAF3802945.1 CHIG|XP\_018151970.1 CVIN|KAF4921123.1 CVYL|A05428 CVYL|A12587 MGRA|XP\_003855855.1

>Orthogroup7647: ANID|CBF80757.1 BCIN|XP\_001558293.1 CFRU|XP\_031882858.1 CGLO|KAF3806657.1 CHIG|XP\_018159031.1 CVIN|KAF4923681.1 CVYL|A14205 FGRM|XP\_011316219.1 SSCL|APA11664.1

>Orthogroup7648: ANID|CBF80933.1 CFRU|XP\_031889379.1 CGLO|KAF3808756.1 CHIG|XP\_018155658.1 CVIN|KAF4906978.1 CVYL|A00905 FGRM|XP\_011326127.1 MGRA|XP\_003854945.1 MORY|QBZ65117.1

>Orthogroup7649: ANID|CBF81011.1 BCIN|XP\_024550275.1 BCIN|XP\_024551024.1 CGLO|KAF3807004.1 CGLO|KAF3808506.1 CVYL|A06299 FGRM|XP\_011322182.1 NCRA|XP\_011395105.1 SSCL|APA11940.1

>Orthogroup7650: ANID|CBF81024.1 CFRU|XP\_031879575.1 CGLO|KAF3802705.1 CHIG|XP\_018151490.1 CVIN|KAF4899837.1 CVYL|A08031 FGRM|XP\_011327270.1 MGRA|XP\_003852066.1 MGRA|XP\_003852659.1

>Orthogroup7651: ANID|CBF81092.1 CFRU|XP\_031890330.1 CGLO|KAF3806701.1 CHIG|XP\_018158674.1 CVIN|KAF4925963.1 CVYL|A14006 FGRM|XP\_011315936.1 MORY|QBZ55749.1 NCRA|XP\_964095.2

>Orthogroup7652: ANID|CBF81161.1 ANID|CBF82242.1 ANID|CBF87226.1 BCIN|XP\_024550370.1 CFRU|XP\_031890142.1 CGLO|KAF3810418.1 CVYL|A11384 FGRM|XP\_011324755.1 MORY|QBZ63305.1

>Orthogroup7653: ANID|CBF81658.1 BCIN|XP\_001556770.1 BCIN|XP\_001560737.1 FGRM|XP\_011327743.1 MGRA|XP\_003854810.1 MORY|QBZ63283.1 NCRA|XP\_959371.1 SSCL|APA07997.1 SSCL|APA14548.1

>Orthogroup7654: ANID|CBF81918.1 CFRU|XP\_031880769.1 CFRU|XP\_031888762.1 CGLO|KAF3799236.1 CGLO|KAF3809976.1 CHIG|XP\_018152630.1 CVIN|KAF4893591.1 CVYL|A10129 MGRA|XP\_003850558.1

>Orthogroup7655: ANID|CBF81953.1 ANID|CBF83002.1 CFRU|XP\_031891428.1 CGLO|KAF3797591.1 CGLO|KAF3804562.1 CHIG|XP\_018161641.1 CVIN|KAF4912169.1 MORY|QBZ57515.1 MORY|QBZ63016.1

>Orthogroup7656: ANID|CBF82078.1 CFRU|XP\_031881060.1 CGLO|KAF3809910.1 CHIG|XP\_018161496.1 CVIN|KAF4930730.1 CVYL|A01709 FGRM|XP\_011321388.1 MORY|QBZ65229.1 NCRA|XP\_962970.1

>Orthogroup7657: ANID|CBF82087.1 BCIN|XP\_024553100.1 CFRU|XP\_031877529.1 CGLO|KAF3797519.1 CHIG|XP\_018161268.1 CVIN|KAF4921615.1 CVYL|A01967 MGRA|XP\_003854106.1 SSCL|APA16314.1

>Orthogroup7658: ANID|CBF82109.1 CFRU|XP\_031891457.1 CGLO|KAF3804518.1 CHIG|XP\_018159470.1 CVIN|KAF4924529.1 CVYL|A04235 FGRM|XP\_011326116.1 MGRA|XP\_003857482.1 MORY|QBZ60900.1

>Orthogroup7659: ANID|CBF82328.1 CFRU|XP\_031891110.1 CFRU|XP\_031891111.1 CGLO|KAF3801533.1 CVIN|KAF4921126.1 CVIN|KAF4921127.1 CVYL|A12603 CVYL|A12604 FGRM|XP\_011319334.1

>Orthogroup7660: ANID|CBF82405.1 BCIN|XP\_001545296.2 CFRU|XP\_031889484.1 CGLO|KAF3808852.1 CHIG|XP\_018164094.1 CVIN|KAF4893849.1 CVYL|A01228 FGRM|XP\_011322799.1 MGRA|XP\_003855464.1

>Orthogroup7661: ANID|CBF82414.1 BCIN|XP\_001549609.1 CFRU|XP\_031878691.1 CGLO|KAF3798357.1 CHIG|XP\_018158018.1 CVIN|KAF4923597.1 CVYL|A09031 FGRM|XP\_011318290.1 SSCL|APA05328.1

>Orthogroup7662: ANID|CBF82442.1 CFRU|XP\_031878963.1 CFRU|XP\_031880398.1 CFRU|XP\_031884914.1 CGLO|KAF3807245.1 CVIN|KAF4920961.1 CVIN|KAF4928167.1 CVYL|A00209 CVYL|A10724

>Orthogroup7663: ANID|CBF82815.1 BCIN|XP\_001548769.1 CFRU|XP\_031884614.1 CGLO|KAF3799716.1 CVIN|KAF4919953.1 CVYL|A05876 FGRM|XP\_011327728.1 MORY|QBZ60143.1 MORY|QBZ61852.1

>Orthogroup7664: ANID|CBF83083.1 BCIN|XP\_024546745.1 CFRU|XP\_031893107.1 CHIG|XP\_018152563.1 CVIN|KAF4919187.1 CVYL|A08424 MORY|QBZ66475.1 NCRA|XP\_964382.1 SSCL|APA06402.1

>Orthogroup7665: ANID|CBF83132.1 CFRU|XP\_031893409.1 CGLO|KAF3808040.1 CHIG|XP\_018152746.1 CHIG|XP\_018156569.1 CVIN|KAF4922827.1 CVYL|A08192 FGRM|XP\_011325901.1 MORY|QBZ61851.1

>Orthogroup7666: ANID|CBF83197.1 BCIN|XP\_001555646.1 CFRU|XP\_031879365.1 CGLO|KAF3808591.1 CHIG|XP\_018161896.1 CVIN|KAF4926156.1 CVYL|A11552 FGRM|XP\_011316940.1 FGRM|XP\_011322530.1

>Orthogroup7667: ANID|CBF83223.1 BCIN|XP\_001560790.1 CFRU|XP\_031890724.1 CGLO|KAF3801553.1 CHIG|XP\_018151978.1 CVIN|KAF4921115.1 CVYL|A12579 FGRM|XP\_011323534.1 SSCL|APA08035.1

>Orthogroup7668: ANID|CBF83402.1 BCIN|XP\_001552034.1 CFRU|XP\_031877781.1 CHIG|XP\_018152248.1 CVIN|KAF4931825.1 CVYL|A13264 FGRM|XP\_011324609.1 NCRA|XP\_956494.1 SSCL|APA10016.1

>Orthogroup7669: ANID|CBF83507.1 CFRU|XP\_031878247.1 CGLO|KAF3808527.1 CHIG|XP\_018161942.1 CVIN|KAF4917644.1 CVYL|A11616 FGRM|XP\_011325724.1 MORY|QBZ58226.1 MORY|QBZ61806.1

>Orthogroup7670: ANID|CBF83669.1 BCIN|XP\_024551533.1 CFRU|XP\_031892490.1 CGLO|KAF3797190.1 CHIG|XP\_018157312.1 CVIN|KAF4920804.1 FGRM|XP\_011319932.1 MGRA|XP\_003857350.1 SSCL|APA10812.1

>Orthogroup7671: ANID|CBF83870.1 CFRU|XP\_031882208.1 CGLO|KAF3804463.1 CHIG|XP\_018160299.1 CVIN|KAF4930931.1 CVYL|A04177 FGRM|XP\_011324309.1 MORY|QBZ59610.1 NCRA|XP\_962552.1

>Orthogroup7672: ANID|CBF83920.1 ANID|CBF88463.1 CFRU|XP\_031889040.1 CGLO|KAF3799182.1 CHIG|XP\_018159790.1 CVYL|A10078 FGRM|XP\_011325777.1 MGRA|XP\_003852445.1 MGRA|XP\_003854166.1

>Orthogroup7673: ANID|CBF83963.1 CFRU|XP\_031892287.1 CGLO|KAF3801277.1 CHIG|XP\_018164858.1 CVIN|KAF4921594.1 CVYL|A07810 FGRM|XP\_011327661.1 MGRA|XP\_003850455.1 MORY|QBZ61626.1

>Orthogroup7674: ANID|CBF83993.1 CFRU|XP\_031878647.1 CGLO|KAF3798516.1 CGLO|KAF3798517.1 CHIG|XP\_018163207.1 CVIN|KAF4918002.1 CVYL|A01600 CVYL|A03809 MORY|QBZ54879.1

>Orthogroup7675: ANID|CBF84135.1 CFRU|XP\_031880992.1 CGLO|KAF3809905.1 CHIG|XP\_018161492.1 CVIN|KAF4930666.1 CVYL|A01713 FGRM|XP\_011322606.1 MGRA|XP\_003855069.1 MORY|QBZ53696.1

>Orthogroup7676: ANID|CBF84247.1 ANID|CBF87753.1 BCIN|XP\_024546936.1 CFRU|XP\_031892024.1 CGLO|KAF3801351.1 CHIG|XP\_018155194.1 CVIN|KAF4913311.1 CVYL|A07732 NCRA|XP\_011394280.1

>Orthogroup7677: ANID|CBF84267.1 CFRU|XP\_031891732.1 CFRU|XP\_031892129.1 CGLO|KAF3800084.1 CGLO|KAF3800941.1 CHIG|XP\_018153204.1 CVIN|KAF4896541.1 CVIN|KAF4912802.1 MGRA|XP\_003850713.1

>Orthogroup7678: ANID|CBF84463.1 CFRU|XP\_031880239.1 CFRU|XP\_031883418.1 CGLO|KAF3801747.1 CGLO|KAF3808957.1 CHIG|XP\_018155810.1 CVIN|KAF4920726.1 CVYL|A01129 FGRM|XP\_011315740.1

>Orthogroup7679: ANID|CBF84528.1 CFRU|XP\_031878125.1 CGLO|KAF3801857.1 CHIG|XP\_018159375.1 CVYL|A12850 FGRM|XP\_011318713.1 FGRM|XP\_011322932.1 FGRM|XP\_011327258.1 MORY|QBZ53457.1

>Orthogroup7680: ANID|CBF84548.1 CFRU|XP\_031889075.1 CHIG|XP\_018155566.1 CVIN|KAF4929572.1 CVYL|A00964 FGRM|XP\_011324552.1 MGRA|XP\_003855152.1 MORY|QBZ60094.1 NCRA|XP\_957392.1

>Orthogroup7681: ANID|CBF84608.1 CFRU|XP\_031893464.1 CGLO|KAF3809557.1 CHIG|XP\_018162992.1 CVIN|KAF4912189.1 CVYL|A08467 FGRM|XP\_011321783.1 MGRA|XP\_003852638.1 MORY|QBZ62844.1

>Orthogroup7682: ANID|CBF84624.1 CFRU|XP\_031891230.1 CGLO|KAF3797882.1 CHIG|XP\_018161638.1 CVIN|KAF4923093.1 CVIN|KAF4925176.1 CVYL|A05320 FGRM|XP\_011322959.1 MGRA|XP\_003850588.1

>Orthogroup7683: ANID|CBF84640.1 CFRU|XP\_031879292.1 CGLO|KAF3808573.1 CHIG|XP\_018161909.1 CVIN|KAF4905049.1 CVYL|A11572 FGRM|XP\_011322183.1 MGRA|XP\_003848238.1 MORY|QBZ60812.1

>Orthogroup7684: ANID|CBF84986.1 BCIN|XP\_024550552.1 CFRU|XP\_031891788.1 CGLO|KAF3801341.1 CHIG|XP\_018164788.1 CVIN|KAF4910740.1 CVYL|A07743 FGRM|XP\_011324878.1 SSCL|APA11344.1

>Orthogroup7685: ANID|CBF85142.1 BCIN|XP\_024548976.1 CFRU|XP\_031886820.1 CGLO|KAF3807500.1 CHIG|XP\_018158732.1 CVIN|KAF4917509.1 CVYL|A05022 MGRA|XP\_003852415.1 SSCL|APA09559.1

>Orthogroup7686: ANID|CBF85170.1 BCIN|XP\_001555267.2 BCIN|XP\_024547959.1 BCIN|XP\_024553670.1 FGRM|XP\_011320932.1 FGRM|XP\_011321651.1 SSCL|APA08662.1 SSCL|APA08663.1 SSCL|APA11404.1

>Orthogroup7687: ANID|CBF85292.1 CFRU|XP\_031892242.1 CGLO|KAF3801375.1 CHIG|XP\_018151114.1 CHIG|XP\_018158410.1 CVIN|KAF4907815.1 CVYL|A07706 FGRM|XP\_011322748.1 SSCL|APA11234.1

>Orthogroup7688: ANID|CBF85595.1 CFRU|XP\_031885227.1 CGLO|KAF3807728.1 CHIG|XP\_018162958.1 CVIN|KAF4920508.1 CVYL|A06887 FGRM|XP\_011321028.1 MORY|QBZ66205.1 NCRA|XP\_959676.3

>Orthogroup7689: ANID|CBF85622.1 CFRU|XP\_031880756.1 CGLO|KAF3809932.1 CHIG|XP\_018152581.1 CVIN|KAF4930738.1 CVYL|A01692 FGRM|XP\_011320218.1 FGRM|XP\_011321972.1 NCRA|XP\_957858.1

>Orthogroup7690: ANID|CBF85670.1 BCIN|XP\_024550796.1 CFRU|XP\_031889188.1 CGLO|KAF3808771.1 CHIG|XP\_018155666.1 CVIN|KAF4918217.1 CVYL|A00892 NCRA|XP\_959208.2 SSCL|APA11861.1

>Orthogroup7691: ANID|CBF86175.1 BCIN|XP\_024552151.1 CFRU|XP\_031892405.1 CHIG|XP\_018153530.1 CVIN|KAF4919857.1 FGRM|XP\_011316116.1 MORY|QBZ55594.1 NCRA|XP\_011393367.1 SSCL|APA13166.1

>Orthogroup7692: ANID|CBF86348.1 BCIN|XP\_001549955.1 CFRU|XP\_031888319.1 CHIG|XP\_018163889.1 CVIN|KAF4920391.1 FGRM|XP\_011316757.1 MGRA|XP\_003850776.1 MORY|QBZ55314.1 SSCL|APA06629.1

>Orthogroup7693: ANID|CBF86747.1 CFRU|XP\_031891241.1 CGLO|KAF3804547.1 CHIG|XP\_018160406.1 CVIN|KAF4924495.1 CVYL|A04267 FGRM|XP\_011324710.1 MGRA|XP\_003850392.1 NCRA|XP\_960939.2

>Orthogroup7694: ANID|CBF86901.1 CFRU|XP\_031886167.1 CGLO|KAF3812008.1 CHIG|XP\_018155239.1 CVIN|KAF4930436.1 CVYL|A05501 FGRM|XP\_011317471.1 MORY|QBZ53768.1 NCRA|XP\_956823.1

>Orthogroup7695: ANID|CBF86940.1 BCIN|XP\_001554686.2 CFRU|XP\_031887799.1 CHIG|XP\_018154246.1 FGRM|XP\_011323020.1 MGRA|XP\_003854967.1 MORY|QBZ66414.1 NCRA|XP\_965509.2 SSCL|APA11019.1

>Orthogroup7696: ANID|CBF86982.1 CFRU|XP\_031887203.1 CGLO|KAF3809230.1 CHIG|XP\_018156058.1 CVIN|KAF4925325.1 CVYL|A01420 MORY|QBZ57367.1 NCRA|XP\_960629.1 SSCL|APA16085.1

>Orthogroup7697: ANID|CBF87089.1 CFRU|XP\_031877241.1 CGLO|KAF3806844.1 CHIG|XP\_018158996.1 CVIN|KAF4909277.1 CVYL|A02492 FGRM|XP\_011320257.1 MGRA|XP\_003853290.1 NCRA|XP\_959280.1

>Orthogroup7698: ANID|CBF87316.1 CFRU|XP\_031889278.1 CFRU|XP\_031889328.1 CGLO|KAF3797697.1 CGLO|KAF3797698.1 CHIG|XP\_018156885.1 CVYL|A01072 MGRA|XP\_003855532.1 MLAR|XP\_007403691.1

>Orthogroup7699: ANID|CBF87334.1 CFRU|XP\_031890469.1 CGLO|KAF3804927.1 CHIG|XP\_018164427.1 CVIN|KAF4919402.1 CVYL|A12127 FGRM|XP\_011322071.1 MORY|QBZ58211.1 NCRA|XP\_958331.1

>Orthogroup7700: ANID|CBF87391.1 CFRU|XP\_031887290.1 CFRU|XP\_031892170.1 CGLO|KAF3809325.1 CGLO|KAF3809801.1 CHIG|XP\_018164953.1 CVIN|KAF4924193.1 CVYL|A01527 FGRM|XP\_011321903.1

>Orthogroup7701: ANID|CBF87474.1 BCIN|XP\_024546246.1 CFRU|XP\_031877462.1 CGLO|KAF3798421.1 CHIG|XP\_018161240.1 CVIN|KAF4920025.1 CVYL|A11214 FGRM|XP\_011320831.1 SSCL|APA06979.1

>Orthogroup7702: ANID|CBF87531.1 BCIN|XP\_024551470.1 CFRU|XP\_031879254.1 CHIG|XP\_018159688.1 CVIN|KAF4920265.1 CVYL|A06313 FGRM|XP\_011318031.1 NCRA|XP\_959679.2 SSCL|APA10421.1

>Orthogroup7703: ANID|CBF87613.1 BCIN|XP\_024551608.1 CFRU|XP\_031883424.1 CHIG|XP\_018159268.1 CVIN|KAF4922905.1 CVYL|A12945 FGRM|XP\_011320421.1 NCRA|XP\_960460.1 SSCL|APA14830.1

>Orthogroup7704: ANID|CBF87636.1 CFRU|XP\_031893324.1 CFRU|XP\_031893327.1 CGLO|KAF3798401.1 CHIG|XP\_018152721.1 CVIN|KAF4922800.1 CVYL|A08215 CVYL|A08217 FGRM|XP\_011323454.1

>Orthogroup7705: ANID|CBF87775.1 BCIN|XP\_001552438.1 BGRA|VDB92636.1 CGLO|KAF3804956.1 FGRM|XP\_011317111.1 MGRA|XP\_003857106.1 MORY|QBZ61470.1 NCRA|XP\_958625.1 SSCL|APA14916.1

>Orthogroup7706: ANID|CBF87835.1 CFRU|XP\_031881773.1 CFRU|XP\_031883038.1 CFRU|XP\_031883662.1 CGLO|KAF3807960.1 CGLO|KAF3810008.1 CHIG|XP\_018157724.1 CVIN|KAF4913008.1 CVYL|A02608

>Orthogroup7707: ANID|CBF87874.1 CFRU|XP\_031891617.1 CGLO|KAF3797930.1 CHIG|XP\_018161596.1 CVIN|KAF4907828.1 CVYL|A05364 FGRM|XP\_011317181.1 FGRM|XP\_011319444.1 NCRA|XP\_962459.1

>Orthogroup7708: ANID|CBF88032.1 BCIN|XP\_001552505.1 CFRU|XP\_031887984.1 CGLO|KAF3802202.1 CHIG|XP\_018154317.1 CVYL|A03193 FGRM|XP\_011322180.1 MGRA|XP\_003856938.1 SSCL|APA10768.1

>Orthogroup7709: ANID|CBF88040.1 CFRU|XP\_031882798.1 CGLO|KAF3812086.1 CHIG|XP\_018164156.1 CVIN|KAF4923716.1 CVYL|A14264 FGRM|XP\_011316193.1 MORY|QBZ54643.1 NCRA|XP\_964490.1

>Orthogroup7710: ANID|CBF88107.1 CFRU|XP\_031877815.1 CGLO|KAF3804781.1 CHIG|XP\_018164274.1 CVIN|KAF4929772.1 CVYL|A12293 FGRM|XP\_011316134.1 MORY|QBZ55429.1 NCRA|XP\_964176.3

>Orthogroup7711: ANID|CBF88269.1 CFRU|XP\_031880426.1 CGLO|KAF3807227.1 CHIG|XP\_018163598.1 CVIN|KAF4928169.1 CVYL|A10714 FGRM|XP\_011322111.1 MGRA|XP\_003855478.1 MLAR|XP\_007407799.1

>Orthogroup7712: ANID|CBF88617.1 CFRU|XP\_031881238.1 CGLO|KAF3810994.1 CHIG|XP\_018154864.1 CVIN|KAF4921826.1 CVYL|A02160 FGRM|XP\_011317647.1 MGRA|XP\_003853280.1 MORY|QBZ63355.1

>Orthogroup7713: ANID|CBF88787.1 CFRU|XP\_031892894.1 CGLO|KAF3798390.1 CHIG|XP\_018152729.1 CVIN|KAF4922816.1 CVYL|A08206 FGRM|XP\_011317923.1 MORY|QBZ58295.1 NCRA|XP\_961578.3

>Orthogroup7714: ANID|CBF89088.1 CFRU|XP\_031888196.1 CGLO|KAF3802084.1 CHIG|XP\_018154234.1 CVIN|KAF4917961.1 CVYL|A03303 FGRM|XP\_011323006.1 MGRA|XP\_003855341.1 NCRA|XP\_958325.1

>Orthogroup7715: ANID|CBF89103.1 CFRU|XP\_031877043.1 CGLO|KAF3811111.1 CHIG|XP\_018152938.1 CVIN|KAF4911092.1 CVYL|A07973 FGRM|XP\_011328009.1 MORY|QBZ64150.1 NCRA|XP\_964936.1

>Orthogroup7716: ANID|CBF89274.1 CFRU|XP\_031887650.1 CGLO|KAF3803189.1 CHIG|XP\_018153209.1 CHIG|XP\_018159777.1 CHIG|XP\_018163506.1 CVIN|KAF4920197.1 CVYL|A03619 FGRM|XP\_011327113.1

>Orthogroup7717: ANID|CBF89366.1 BCIN|XP\_001550321.1 CFRU|XP\_031878333.1 CGLO|KAF3798069.1 CGLO|KAF3810095.1 CHIG|XP\_018158162.1 CVIN|KAF4928007.1 CVYL|A08288 FGRM|XP\_011321820.1

>Orthogroup7718: ANID|CBF89396.1 CFRU|XP\_031879631.1 CGLO|KAF3802709.1 CHIG|XP\_018151494.1 CVYL|A08035 FGRM|XP\_011327266.1 MGRA|XP\_003855434.1 MORY|QBZ56866.1 NCRA|XP\_957967.2

>Orthogroup7719: ANID|CBF89576.1 CFRU|XP\_031891071.1 CGLO|KAF3801448.1 CHIG|XP\_018151891.1 CVIN|KAF4912400.1 CVYL|A12678 FGRM|XP\_011322366.1 MORY|QBZ56177.1 NCRA|XP\_958199.1

>Orthogroup7720: ANID|CBF89594.1 CFRU|XP\_031879953.1 CHIG|XP\_018152888.1 CHIG|XP\_018153083.1 CVIN|KAF4908228.1 CVYL|A07849 FGRM|XP\_011318240.1 FGRM|XP\_011322773.1 MORY|QBZ53386.1

>Orthogroup7721: ANID|CBF89676.1 BCIN|XP\_024553283.1 CFRU|XP\_031883438.1 CGLO|KAF3800600.1 CHIG|XP\_018152078.1 FGRM|XP\_011321289.1 MGRA|XP\_003849890.1 MORY|QBZ62103.1 SSCL|APA13551.1

>Orthogroup7722: ANID|CBF89795.1 CFRU|XP\_031888480.1 CGLO|KAF3803520.1 CHIG|XP\_018164069.1 CVIN|KAF4922240.1 CVYL|A14450 FGRM|XP\_011316165.1 MORY|QBZ56433.1 NCRA|XP\_964698.1

>Orthogroup7723: BCIN|XP\_024545974.1 BCIN|XP\_024548380.1 BCIN|XP\_024552397.1 BCIN|XP\_024553202.1 BGRA|VCU40106.1 SSCL|APA09925.1 SSCL|APA10136.1 SSCL|APA13301.1 SSCL|APA13469.1

>Orthogroup7724: BCIN|XP\_001546425.1 CFRU|XP\_031887928.1 CGLO|KAF3802221.1 CHIG|XP\_018154325.1 CVYL|A03180 MGRA|XP\_003847690.1 MORY|QBZ65890.1 NCRA|XP\_965293.1 SSCL|APA07267.1

>Orthogroup7725: BCIN|XP\_001548510.2 CFRU|XP\_031881181.1 CGLO|KAF3802559.1 CHIG|XP\_018154849.1 CVIN|KAF4921842.1 CVYL|A02149 MORY|QBZ59966.1 NCRA|XP\_958195.1 SSCL|APA07243.1

>Orthogroup7726: BCIN|XP\_024546069.1 CFRU|XP\_031889522.1 CGLO|KAF3810585.1 CHIG|XP\_018159017.1 CVIN|KAF4914202.1 CVYL|A13665 FGRM|XP\_011316585.1 MORY|QBZ57346.1 SSCL|APA07234.1

>Orthogroup7727: BCIN|XP\_001548532.1 CFRU|XP\_031883197.1 CFRU|XP\_031892231.1 CGLO|KAF3800156.1 CGLO|KAF3808157.1 CVIN|KAF4924309.1 CVIN|KAF4925833.1 CVYL|A00508 CVYL|A06850

>Orthogroup7728: BCIN|XP\_024546078.1 CFRU|XP\_031888661.1 CGLO|KAF3804304.1 CHIG|XP\_018160103.1 CVIN|KAF4920117.1 CVYL|A03989 MGRA|XP\_003857780.1 NCRA|XP\_011395310.1 SSCL|APA07189.1

>Orthogroup7729: BCIN|XP\_001550978.1 CFRU|XP\_031890884.1 CGLO|KAF3801485.1 CHIG|XP\_018153114.1 CVIN|KAF4916387.1 CVYL|A12644 FGRM|XP\_011317573.1 FGRM|XP\_011317623.1 MORY|QBZ66579.1

>Orthogroup7730: BCIN|XP\_001548973.1 CFRU|XP\_031879897.1 CGLO|KAF3798959.1 CHIG|XP\_018152854.1 CVIN|KAF4923466.1 CVYL|A07876 MORY|QBZ53360.1 NCRA|XP\_959630.1 SSCL|APA07027.1

>Orthogroup7731: BCIN|XP\_024546303.1 CFRU|XP\_031888245.1 CGLO|KAF3803455.1 CHIG|XP\_018163982.1 CVIN|KAF4926348.1 CVYL|A14383 FGRM|XP\_011326489.1 NCRA|XP\_958185.1 SSCL|APA06921.1

>Orthogroup7732: BCIN|XP\_024546335.1 CFRU|XP\_031884331.1 CGLO|KAF3806464.1 CHIG|XP\_018162359.1 CVIN|KAF4908635.1 CVYL|A12065 FGRM|XP\_011323926.1 MORY|QBZ55499.1 NCRA|XP\_958269.3

>Orthogroup7733: BCIN|XP\_024546460.1 CHIG|XP\_018151063.1 CHIG|XP\_018151947.1 CHIG|XP\_018154824.1 CHIG|XP\_018158856.1 CHIG|XP\_018162908.1 FGRM|XP\_011317773.1 FGRM|XP\_011318678.1 MGRA|XP\_003851766.1

>Orthogroup7734: BCIN|XP\_024546557.1 CFRU|XP\_031877248.1 CHIG|XP\_018159524.1 CVIN|KAF4909281.1 CVYL|A02476 FGRM|XP\_011320493.1 MORY|QBZ62923.1 NCRA|XP\_960486.3 SSCL|APA06790.1

>Orthogroup7735: BCIN|XP\_001546124.1 CFRU|XP\_031892682.1 CGLO|KAF3803072.1 CHIG|XP\_018153525.1 CVIN|KAF4919872.1 CVYL|A00084 MGRA|XP\_003848598.1 MORY|QBZ55589.1 SSCL|APA06459.1

>Orthogroup7736: BCIN|XP\_001556494.2 CFRU|XP\_031878494.1 CFRU|XP\_031881104.1 CGLO|KAF3798597.1 CGLO|KAF3800441.1 CVIN|KAF4930157.1 CVYL|A04849 MGRA|XP\_003854618.1 SSCL|APA06526.1

>Orthogroup7737: BCIN|XP\_001546012.2 CFRU|XP\_031889905.1 CGLO|KAF3810443.1 CHIG|XP\_018159174.1 CVIN|KAF4924621.1 CVYL|A13867 FGRM|XP\_011327297.1 MORY|QBZ56878.1 NCRA|XP\_962765.1

>Orthogroup7738: BCIN|XP\_024546911.1 CFRU|XP\_031880834.1 CFRU|XP\_031891905.1 CGLO|KAF3806961.1 CHIG|XP\_018159633.1 CVIN|KAF4919169.1 CVYL|A06251 MGRA|XP\_003856067.1 NCRA|XP\_962415.3

>Orthogroup7739: BCIN|XP\_001558918.1 BGRA|VCU40474.1 CFRU|XP\_031879187.1 CGLO|KAF3807106.1 CHIG|XP\_018159758.1 CVIN|KAF4919034.1 CVYL|A06392 MGRA|XP\_003855272.1 MORY|QBZ63030.1

>Orthogroup7740: BCIN|XP\_001553737.1 CFRU|XP\_031882354.1 CGLO|KAF3809414.1 CHIG|XP\_018156252.1 CVIN|KAF4916326.1 CVYL|A03083 FGRM|XP\_011318190.1 MGRA|XP\_003855382.1 SSCL|APA06138.1

>Orthogroup7741: BCIN|XP\_001552912.2 CFRU|XP\_031879894.1 CHIG|XP\_018151646.1 CHIG|XP\_018152857.1 CVIN|KAF4923505.1 CVYL|A07872 FGRM|XP\_011318413.1 MORY|QBZ64361.1 SSCL|APA06171.1

>Orthogroup7742: BCIN|XP\_001546745.1 CFRU|XP\_031876874.1 CGLO|KAF3799829.1 CHIG|XP\_018153847.1 CVIN|KAF4902673.1 CVYL|A09684 FGRM|XP\_011325449.1 NCRA|XP\_959998.1 SSCL|APA14029.1

>Orthogroup7743: BCIN|XP\_024547180.1 CFRU|XP\_031879626.1 CGLO|KAF3802676.1 CHIG|XP\_018159156.1 CVIN|KAF4920426.1 CVYL|A08037 FGRM|XP\_011325667.1 MORY|QBZ59202.1 NCRA|XP\_961285.3

>Orthogroup7744: BCIN|XP\_001551026.1 CFRU|XP\_031892153.1 CGLO|KAF3801364.1 CHIG|XP\_018164755.1 CVIN|KAF4913315.1 CVYL|A07717 FGRM|XP\_011324705.1 MORY|QBZ60836.1 NCRA|XP\_958561.1

>Orthogroup7745: BCIN|XP\_024547372.1 CFRU|XP\_031879685.1 CGLO|KAF3798185.1 CHIG|XP\_018154074.1 CVIN|KAF4919138.1 CVYL|A04938 FGRM|XP\_011325440.1 MORY|QBZ64326.1 SSCL|APA14377.1

>Orthogroup7746: BCIN|XP\_024547513.1 CFRU|XP\_031881808.1 CGLO|KAF3797857.1 CHIG|XP\_018157707.1 CVIN|KAF4892155.1 FGRM|XP\_011319893.1 MORY|QBZ65038.1 NCRA|XP\_958521.1 SSCL|APA07682.1

>Orthogroup7747: BCIN|XP\_001559390.1 CFRU|XP\_031878084.1 CGLO|KAF3801866.1 CHIG|XP\_018159344.1 CVYL|A02310 FGRM|XP\_011317523.1 MORY|QBZ54181.1 NCRA|XP\_962649.2 SSCL|APA07685.1

>Orthogroup7748: BCIN|XP\_001560520.2 CFRU|XP\_031887128.1 CGLO|KAF3811364.1 CHIG|XP\_018160563.1 CVIN|KAF4921019.1 CVYL|A04554 FGRM|XP\_011326875.1 NCRA|XP\_961502.1 SSCL|APA07737.1

>Orthogroup7749: BCIN|XP\_001560579.2 CFRU|XP\_031882566.1 CGLO|KAF3803914.1 CHIG|XP\_018151030.1 CVIN|KAF4925439.1 CVYL|A08886 FGRM|XP\_011324420.1 FGRM|XP\_011328370.1 NCRA|XP\_958642.2

>Orthogroup7750: BCIN|XP\_001560876.1 CFRU|XP\_031889244.1 CGLO|KAF3808827.1 CHIG|XP\_018153896.1 CHIG|XP\_018155729.1 FGRM|XP\_011321737.1 MGRA|XP\_003848745.1 MORY|QBZ65032.1 SSCL|APA08086.1

>Orthogroup7751: BCIN|XP\_024547905.1 CFRU|XP\_031885171.1 CGLO|KAF3800364.1 CHIG|XP\_018162868.1 CVIN|KAF4927759.1 CVYL|A07697 FGRM|XP\_011327037.1 MORY|QBZ61323.1 SSCL|APA08225.1

>Orthogroup7752: BCIN|XP\_001557281.1 CFRU|XP\_031887913.1 CFRU|XP\_031892620.1 CGLO|KAF3797178.1 CGLO|KAF3802149.1 CHIG|XP\_018157326.1 CVIN|KAF4918837.1 CVYL|A10517 NCRA|XP\_965000.2

>Orthogroup7753: BCIN|XP\_001557359.1 BCIN|XP\_024548271.1 CFRU|XP\_031887353.1 CGLO|KAF3809356.1 CHIG|XP\_018156211.1 CVIN|KAF4924202.1 CVYL|A01560 MORY|QBZ64870.1 SSCL|APA12504.1

>Orthogroup7754: BCIN|XP\_024548315.1 CFRU|XP\_031885991.1 CGLO|KAF3806556.1 CHIG|XP\_018157593.1 CVIN|KAF4920479.1 CVYL|A09313 MGRA|XP\_003850384.1 MORY|QBZ54781.1 SSCL|APA12565.1

>Orthogroup7755: BCIN|XP\_024548359.1 CFRU|XP\_031880259.1 CGLO|KAF3809035.1 CHIG|XP\_018155860.1 CVIN|KAF4923769.1 FGRM|XP\_011319135.1 MORY|QBZ64630.1 NCRA|XP\_960818.1 SSCL|APA12361.1

>Orthogroup7756: BCIN|XP\_024548504.1 CFRU|XP\_031879580.1 CGLO|KAF3802697.1 CHIG|XP\_018150664.1 CHIG|XP\_018151483.1 CVIN|KAF4899844.1 CVYL|A08022 FGRM|XP\_011320643.1 FGRM|XP\_011327272.1

>Orthogroup7757: BCIN|XP\_024548515.1 CFRU|XP\_031881425.1 CGLO|KAF3805759.1 CVIN|KAF4926568.1 CVYL|A06057 MGRA|XP\_003850021.1 MGRA|XP\_003854469.1 MGRA|XP\_003855166.1 SSCL|APA12120.1

>Orthogroup7758: BCIN|XP\_001545374.1 CFRU|XP\_031881860.1 CGLO|KAF3809995.1 CHIG|XP\_018157734.1 CVIN|KAF4913013.1 CVYL|A02596 FGRM|XP\_011322075.1 MGRA|XP\_003850488.1 MORY|QBZ59422.1

>Orthogroup7759: BCIN|XP\_024548578.1 BGRA|VDB89599.1 BGRA|VDB89600.1 CFRU|XP\_031885772.1 CGLO|KAF3810057.1 CHIG|XP\_018157772.1 CVIN|KAF4898730.1 NCRA|XP\_963413.2 SSCL|APA10006.1

>Orthogroup7760: BCIN|XP\_024548641.1 BGRA|VDB90849.1 CFRU|XP\_031884751.1 CGLO|KAF3800991.1 CHIG|XP\_018157712.1 FGRM|XP\_011315721.1 MORY|QBZ55052.1 MORY|QBZ55142.1 MORY|QBZ55143.1

>Orthogroup7761: BCIN|XP\_024548653.1 CFRU|XP\_031890590.1 CGLO|KAF3806708.1 CHIG|XP\_018158683.1 CVIN|KAF4925999.1 CVYL|A14015 MGRA|XP\_003853551.1 NCRA|XP\_011393402.1 SSCL|APA09942.1

>Orthogroup7762: BCIN|XP\_024548734.1 CFRU|XP\_031875305.1 CFRU|XP\_031875409.1 CFRU|XP\_031875432.1 CFRU|XP\_031875444.1 CHIG|XP\_018150596.1 MORY|QBZ55199.1 MORY|QBZ58575.1 NCRA|XP\_961741.1

>Orthogroup7763: BCIN|XP\_001559821.2 CFRU|XP\_031876382.1 CGLO|KAF3797771.1 CHIG|XP\_018156441.1 CVIN|KAF4918828.1 CVYL|A02990 MORY|QBZ63675.1 NCRA|XP\_960068.1 SSCL|APA09695.1

>Orthogroup7764: BCIN|XP\_024548840.1 CFRU|XP\_031879470.1 CGLO|KAF3799641.1 CHIG|XP\_018154650.1 CVIN|KAF4926477.1 CVYL|A13503 MORY|QBZ61015.1 NCRA|XP\_963324.2 SSCL|APA09482.1

>Orthogroup7765: BCIN|XP\_001559601.1 BCIN|XP\_024548856.1 BCIN|XP\_024549154.1 CFRU|XP\_031886320.1 CGLO|KAF3806289.1 CHIG|XP\_018153007.1 CVIN|KAF4923950.1 CVYL|A11882 SSCL|APA09459.1

>Orthogroup7766: BCIN|XP\_024548890.1 CFRU|XP\_031886837.1 CGLO|KAF3811220.1 CHIG|XP\_018160425.1 CVIN|KAF4931155.1 CVYL|A04388 FGRM|XP\_011323645.1 MORY|QBZ59111.1 SSCL|APA09403.1

>Orthogroup7767: BCIN|XP\_024548933.1 CFRU|XP\_031891159.1 CGLO|KAF3804494.1 CHIG|XP\_018160322.1 CVIN|KAF4930980.1 CVYL|A04209 MORY|QBZ59107.1 NCRA|XP\_011394591.1 SSCL|APA09534.1

>Orthogroup7768: BCIN|XP\_001550676.1 CFRU|XP\_031881569.1 CGLO|KAF3805387.1 CHIG|XP\_018156722.1 CVIN|KAF4917758.1 CVYL|A11034 MORY|QBZ66234.1 NCRA|XP\_001727976.1 SSCL|APA09321.1

>Orthogroup7769: BCIN|XP\_024549109.1 CFRU|XP\_031878964.1 CFRU|XP\_031879989.1 CGLO|KAF3807882.1 CHIG|XP\_018161311.1 CVIN|KAF4922574.1 CVYL|A00730 FGRM|XP\_011321715.1 SSCL|APA15943.1

>Orthogroup7770: BCIN|XP\_001560298.1 BGRA|VDB92573.1 CFRU|XP\_031879639.1 CGLO|KAF3802711.1 CHIG|XP\_018151497.1 CVIN|KAF4894056.1 CVYL|A08038 FGRM|XP\_011327262.1 SSCL|APA08831.1

>Orthogroup7771: BCIN|XP\_024549251.1 CFRU|XP\_031884548.1 CGLO|KAF3810364.1 CHIG|XP\_018158363.1 CVIN|KAF4909098.1 CVYL|A05748 MORY|QBZ63201.1 NCRA|XP\_965274.1 SSCL|APA15754.1

>Orthogroup7772: BCIN|XP\_001554735.2 BCIN|XP\_001559510.1 BCIN|XP\_001559512.1 BCIN|XP\_024549260.1 BCIN|XP\_024552677.1 BCIN|XP\_024552709.1 SSCL|APA08866.1 SSCL|APA15460.1 SSCL|APA15535.1

>Orthogroup7773: BCIN|XP\_024549347.1 BGRA|VCU39119.1 CFRU|XP\_031885266.1 CGLO|KAF3807759.1 CVIN|KAF4920543.1 CVYL|A00840 MGRA|XP\_003849771.1 MORY|QBZ58339.1 SSCL|APA15788.1

>Orthogroup7774: BCIN|XP\_001559185.1 CFRU|XP\_031877355.1 CGLO|KAF3799880.1 CHIG|XP\_018153814.1 CVIN|KAF4921699.1 CVYL|A09638 MGRA|XP\_003854863.1 MORY|QBZ58587.1 SSCL|APA15778.1

>Orthogroup7775: BCIN|XP\_024549395.1 BGRA|VDB94017.1 CFRU|XP\_031887736.1 CGLO|KAF3807131.1 CHIG|XP\_018160943.1 CVYL|A03527 FGRM|XP\_011323612.1 MORY|QBZ56289.1 SSCL|APA09060.1

>Orthogroup7776: BCIN|XP\_001549240.2 CFRU|XP\_031890648.1 CGLO|KAF3804914.1 CHIG|XP\_018164349.1 CVIN|KAF4919420.1 CVYL|A12143 MGRA|XP\_003848279.1 MORY|QBZ56452.1 NCRA|XP\_011393442.1

>Orthogroup7777: BCIN|XP\_024549451.1 CFRU|XP\_031882772.1 CGLO|KAF3803452.1 CHIG|XP\_018163979.1 CVIN|KAF4926298.1 CVYL|A14380 MGRA|XP\_003853154.1 NCRA|XP\_011393167.1 SSCL|APA09208.1

>Orthogroup7778: BCIN|XP\_001555212.1 CFRU|XP\_031886204.1 CHIG|XP\_018157623.1 CVIN|KAF4920493.1 CVYL|A09284 FGRM|XP\_011328130.1 MORY|QBZ58851.1 NCRA|XP\_011394092.1 SSCL|APA09189.1

>Orthogroup7779: BCIN|XP\_001547342.1 CFRU|XP\_031888615.1 CGLO|KAF3804248.1 CHIG|XP\_018160081.1 CVIN|KAF4930129.1 CVYL|A03926 FGRM|XP\_011322694.1 MGRA|XP\_003849942.1 SSCL|APA09113.1

>Orthogroup7780: BCIN|XP\_024549541.1 BCIN|XP\_024551547.1 BCIN|XP\_024551940.1 BCIN|XP\_024552114.1 SSCL|APA06101.1 SSCL|APA11311.1 SSCL|APA11499.1 SSCL|APA11500.1 SSCL|APA12736.1

>Orthogroup7781: BCIN|XP\_024549651.1 CFRU|XP\_031885984.1 CGLO|KAF3806558.1 CHIG|XP\_018157591.1 CVIN|KAF4920475.1 CVYL|A09311 FGRM|XP\_011317824.1 NCRA|XP\_011394169.1 SSCL|APA06189.1

>Orthogroup7782: BCIN|XP\_024550128.1 CFRU|XP\_031891370.1 CGLO|KAF3797905.1 CHIG|XP\_018161614.1 CVIN|KAF4905690.1 CVYL|A05342 FGRM|XP\_011318662.1 NCRA|XP\_963053.3 SSCL|APA10801.1

>Orthogroup7783: BCIN|XP\_001553452.1 CFRU|XP\_031878702.1 CGLO|KAF3797560.1 CHIG|XP\_018151098.1 CVIN|KAF4923590.1 CVYL|A08986 MGRA|XP\_003852371.1 MORY|QBZ64927.1 SSCL|APA10898.1

>Orthogroup7784: BCIN|XP\_001553417.1 CFRU|XP\_031875832.1 CGLO|KAF3805554.1 CHIG|XP\_018155406.1 CVIN|KAF4893018.1 CVYL|A05676 MGRA|XP\_003855681.1 MORY|QBZ60029.1 SSCL|APA10923.1

>Orthogroup7785: BCIN|XP\_024550384.1 CGLO|KAF3804630.1 CHIG|XP\_018161732.1 CVIN|KAF4919086.1 CVYL|A05253 FGRM|XP\_011321546.1 MORY|QBZ59651.1 NCRA|XP\_011394035.1 SSCL|APA11081.1

>Orthogroup7786: BCIN|XP\_001553955.1 CFRU|XP\_031891566.1 CGLO|KAF3804683.1 CHIG|XP\_018161757.1 CVIN|KAF4898356.1 CVYL|A05200 FGRM|XP\_011321507.1 MORY|QBZ61565.1 SSCL|APA11076.1

>Orthogroup7787: BCIN|XP\_024550540.1 CFRU|XP\_031893035.1 CFRU|XP\_031893038.1 CGLO|KAF3808406.1 CHIG|XP\_018152487.1 CVIN|KAF4909953.1 CVYL|A09565 FGRM|XP\_011317688.1 MORY|QBZ58076.1

>Orthogroup7788: BCIN|XP\_024550569.1 CFRU|XP\_031884329.1 CHIG|XP\_018162356.1 CVIN|KAF4908633.1 CVYL|A12063 FGRM|XP\_011323928.1 MORY|QBZ62948.1 NCRA|XP\_957146.1 SSCL|APA11361.1

>Orthogroup7789: BCIN|XP\_001550426.2 BCIN|XP\_001550427.1 BCIN|XP\_001551692.1 CFRU|XP\_031877744.1 CGLO|KAF3797368.1 CVIN|KAF4929372.1 MORY|QBZ60736.1 SSCL|APA11602.1 SSCL|APA11691.1

>Orthogroup7790: BCIN|XP\_001556296.1 BCIN|XP\_024550853.1 CFRU|XP\_031890109.1 CFRU|XP\_031890112.1 CGLO|KAF3810401.1 CHIG|XP\_018158394.1 CVIN|KAF4908458.1 CVYL|A12418 SSCL|APA15684.1

>Orthogroup7791: BCIN|XP\_001549406.1 CFRU|XP\_031892837.1 CGLO|KAF3809113.1 CVIN|KAF4922103.1 CVYL|A01297 FGRM|XP\_011319139.1 MGRA|XP\_003857316.1 NCRA|XP\_961056.1 SSCL|APA11715.1

>Orthogroup7792: BCIN|XP\_024550957.1 CFRU|XP\_031893545.1 CGLO|KAF3809627.1 CHIG|XP\_018152554.1 CVIN|KAF4925015.1 CVYL|A08403 FGRM|XP\_011325277.1 MGRA|XP\_003848291.1 SSCL|APA11569.1

>Orthogroup7793: BCIN|XP\_001551708.1 MGRA|XP\_003848697.1 MLAR|XP\_007403516.1 MLAR|XP\_007407087.1 MLAR|XP\_007409140.1 MLAR|XP\_007410352.1 MLAR|XP\_007410353.1 NCRA|XP\_955887.1 SSCL|APA11617.1

>Orthogroup7794: BCIN|XP\_024551227.1 CFRU|XP\_031892991.1 CGLO|KAF3808015.1 CHIG|XP\_018152366.1 CVIN|KAF4909497.1 CVYL|A09468 FGRM|XP\_011317762.1 NCRA|XP\_960710.1 SSCL|APA10113.1

>Orthogroup7795: BCIN|XP\_001547708.1 BCIN|XP\_001555693.2 CFRU|XP\_031878993.1 CGLO|KAF3807847.1 CHIG|XP\_018162969.1 CVIN|KAF4922618.1 CVYL|A00764 NCRA|XP\_963753.1 SSCL|APA13284.1

>Orthogroup7796: BCIN|XP\_024551409.1 CFRU|XP\_031892965.1 CGLO|KAF3799110.1 CHIG|XP\_018152346.1 FGRM|XP\_011317751.1 FGRM|XP\_011321711.1 MORY|QBZ54232.1 NCRA|XP\_961395.1 SSCL|APA10652.1

>Orthogroup7797: BCIN|XP\_024551411.1 CFRU|XP\_031875594.1 CGLO|KAF3808675.1 CHIG|XP\_018150730.1 CHIG|XP\_018159774.1 CVIN|KAF4926128.1 CVYL|A11622 MGRA|XP\_003854851.1 SSCL|APA10658.1

>Orthogroup7798: BCIN|XP\_024551415.1 CFRU|XP\_031892897.1 CGLO|KAF3799108.1 CHIG|XP\_018152344.1 CVYL|A09450 MGRA|XP\_003848720.1 MORY|QBZ54230.1 NCRA|XP\_961397.2 SSCL|APA10661.1

>Orthogroup7799: BCIN|XP\_001551364.1 CFRU|XP\_031876957.1 CHIG|XP\_018162586.1 CVIN|KAF4932034.1 CVYL|A07226 FGRM|XP\_011323969.1 MORY|QBZ63898.1 NCRA|XP\_011394000.1 SSCL|APA10400.1

>Orthogroup7800: BCIN|XP\_024551516.1 CFRU|XP\_031878367.1 CGLO|KAF3810784.1 CHIG|XP\_018162527.1 CVIN|KAF4932071.1 CVYL|A07166 FGRM|XP\_011326308.1 NCRA|XP\_956398.1 SSCL|APA10209.1

>Orthogroup7801: BCIN|XP\_024551546.1 CFRU|XP\_031879972.1 CFRU|XP\_031886775.1 CGLO|KAF3798969.1 CHIG|XP\_018154327.1 CVIN|KAF4932116.1 CVYL|A07089 CVYL|A07887 FGRM|XP\_011326036.1

>Orthogroup7802: BCIN|XP\_001556658.1 BCIN|XP\_024552716.1 CFRU|XP\_031882541.1 CGLO|KAF3803888.1 CHIG|XP\_018150748.1 CHIG|XP\_018151034.1 CVIN|KAF4925461.1 CVYL|A08913 SSCL|APA14787.1

>Orthogroup7803: BCIN|XP\_001546058.1 BCIN|XP\_024551958.1 CFRU|XP\_031892702.1 CGLO|KAF3797101.1 CHIG|XP\_018156508.1 CHIG|XP\_018157642.1 CVIN|KAF4922407.1 CVYL|A10605 MGRA|XP\_003848490.1

>Orthogroup7804: BCIN|XP\_001558000.2 CFRU|XP\_031880963.1 CGLO|KAF3800397.1 CHIG|XP\_018161409.1 CVIN|KAF4930602.1 CVYL|A01792 FGRM|XP\_011321428.1 MORY|QBZ65315.1 SSCL|APA12702.1

>Orthogroup7805: BCIN|XP\_024552042.1 CFRU|XP\_031880919.1 CGLO|KAF3806955.1 CHIG|XP\_018159640.1 CVIN|KAF4919174.1 CVYL|A06244 MORY|QBZ58135.1 MORY|QBZ65281.1 SSCL|APA12822.1

>Orthogroup7806: BCIN|XP\_024552082.1 CFRU|XP\_031881106.1 CGLO|KAF3809860.1 CHIG|XP\_018161459.1 CVIN|KAF4930619.1 CVYL|A01758 FGRM|XP\_011321805.1 MGRA|XP\_003857315.1 SSCL|APA12864.1

>Orthogroup7807: BCIN|XP\_024552296.1 CFRU|XP\_031893298.1 CGLO|KAF3799100.1 CHIG|XP\_018157442.1 CVIN|KAF4908258.1 FGRM|XP\_011321334.1 MORY|QBZ57170.1 NCRA|XP\_962707.1 SSCL|APA13074.1

>Orthogroup7808: BCIN|XP\_024552408.1 CFRU|XP\_031883209.1 CGLO|KAF3808274.1 CHIG|XP\_018163142.1 CVIN|KAF4891098.1 CVYL|A00612 FGRM|XP\_011327355.1 SSCL|APA14940.1 SSCL|APA14941.1

>Orthogroup7809: BCIN|XP\_001557119.1 CFRU|XP\_031877390.1 CGLO|KAF3808465.1 CHIG|XP\_018151065.1 CHIG|XP\_018161988.1 CVIN|KAF4915219.1 CVYL|A11674 FGRM|XP\_011325960.1 SSCL|APA08543.1

>Orthogroup7810: BCIN|XP\_001556286.1 CFRU|XP\_031889435.1 CGLO|KAF3797690.1 CHIG|XP\_018155470.1 CVIN|KAF4928279.1 CVYL|A01081 FGRM|XP\_011325084.1 NCRA|XP\_960199.1 SSCL|APA15671.1

>Orthogroup7811: BCIN|XP\_001556308.1 CFRU|XP\_031886162.1 CGLO|KAF3812002.1 CHIG|XP\_018155186.1 CVIN|KAF4930351.1 CVYL|A05506 MORY|QBZ53432.1 NCRA|XP\_962339.1 SSCL|APA15694.1

>Orthogroup7812: BCIN|XP\_001556375.1 CFRU|XP\_031885802.1 CGLO|KAF3810096.1 CHIG|XP\_018157895.1 CVIN|KAF4892589.1 CVYL|A02689 MGRA|XP\_003847647.1 MORY|QBZ53892.1 SSCL|APA08710.1

>Orthogroup7813: BCIN|XP\_001548194.1 BGRA|VDB88283.1 CFRU|XP\_031882667.1 CGLO|KAF3796935.1 CHIG|XP\_018152230.1 FGRM|XP\_011325691.1 MORY|QBZ61000.1 NCRA|XP\_956013.2 SSCL|APA15570.1

>Orthogroup7814: BCIN|XP\_001554763.2 CFRU|XP\_031886703.1 CGLO|KAF3804062.1 CHIG|XP\_018162707.1 CVIN|KAF4919543.1 CVYL|A07024 FGRM|XP\_011326951.1 NCRA|XP\_011393970.1 SSCL|APA15482.1

>Orthogroup7815: BCIN|XP\_024552817.1 CFRU|XP\_031892865.1 CGLO|KAF3809127.1 CHIG|XP\_018155967.1 CVIN|KAF4922127.1 CVYL|A01310 FGRM|XP\_011320760.1 MLAR|XP\_007409017.1 SSCL|APA16005.1

>Orthogroup7816: BCIN|XP\_001553105.1 CFRU|XP\_031892714.1 CGLO|KAF3809163.1 CHIG|XP\_018155985.1 CVIN|KAF4919816.1 CVYL|A01350 FGRM|XP\_011318965.1 MORY|QBZ56114.1 SSCL|APA16104.1

>Orthogroup7817: BCIN|XP\_024553047.1 CFRU|XP\_031889169.1 CGLO|KAF3803141.1 CHIG|XP\_018155531.1 CVIN|KAF4928271.1 CVYL|A01028 FGRM|XP\_011319352.1 MORY|QBZ60174.1 SSCL|APA16154.1

>Orthogroup7818: BCIN|XP\_024553137.1 CFRU|XP\_031878170.1 CGLO|KAF3801875.1 CVIN|KAF4913583.1 CVYL|A02318 FGRM|XP\_011325289.1 MGRA|XP\_003856149.1 MGRA|XP\_003856150.1 MORY|QBZ60645.1

>Orthogroup7819: BCIN|XP\_024553185.1 CFRU|XP\_031877330.1 CGLO|KAF3799890.1 CHIG|XP\_018153803.1 CVIN|KAF4921742.1 FGRM|XP\_011325397.1 MORY|QBZ60041.1 NCRA|XP\_959464.3 SSCL|APA13445.1

>Orthogroup7820: BCIN|XP\_024553454.1 CFRU|XP\_031879020.1 CGLO|KAF3798314.1 CHIG|XP\_018151161.1 CVIN|KAF4920325.1 CVYL|A09056 MORY|QBZ56833.1 NCRA|XP\_001728148.2 SSCL|APA13842.1

>Orthogroup7821: BCIN|XP\_024553707.1 CFRU|XP\_031882484.1 CGLO|KAF3807576.1 CHIG|XP\_018156358.1 CVIN|KAF4928897.1 CVYL|A02905 MORY|QBZ58778.1 NCRA|XP\_011395056.1 SSCL|APA15100.1

>Orthogroup7822: BCIN|XP\_024553728.1 CFRU|XP\_031891439.1 CGLO|KAF3804729.1 CHIG|XP\_018161806.1 CVIN|KAF4923346.1 CVYL|A05389 MORY|QBZ59609.1 NCRA|XP\_011393941.1 SSCL|APA15118.1

>Orthogroup7823: BCIN|XP\_001550528.1 CFRU|XP\_031882433.1 CHIG|XP\_018156393.1 CVIN|KAF4928920.1 FGRM|XP\_011318582.1 MORY|QBZ54142.1 MORY|QBZ56939.1 NCRA|XP\_959214.2 SSCL|APA15257.1

>Orthogroup7824: BCIN|XP\_001549150.1 BCIN|XP\_024553829.1 CFRU|XP\_031887277.1 CGLO|KAF3809199.1 CHIG|XP\_018156041.1 CVIN|KAF4925298.1 CVYL|A01388 MORY|QBZ61510.1 NCRA|XP\_960693.1

>Orthogroup7825: BCIN|XP\_001551845.1 CFRU|XP\_031889503.1 CGLO|KAF3805926.1 CHIG|XP\_018151870.1 CHIG|XP\_018151871.1 CVIN|KAF4911887.1 CVYL|A13786 NCRA|XP\_958108.1 SSCL|APA15238.1

>Orthogroup7826: BCIN|XP\_001551860.1 CFRU|XP\_031889015.1 CGLO|KAF3799225.1 CHIG|XP\_018159847.1 CVIN|KAF4909316.1 CVYL|A10119 FGRM|XP\_011325784.1 MORY|QBZ60003.1 SSCL|APA15227.1

>Orthogroup7827: BCIN|XP\_024553994.1 CFRU|XP\_031879225.1 CGLO|KAF3807070.1 CHIG|XP\_018159744.1 CVIN|KAF4889894.1 CVYL|A06363 MGRA|XP\_003853820.1 MGRA|XP\_003854745.1 SSCL|APA15390.1

>Orthogroup7828: BGRA|VCU39164.1 CFRU|XP\_031878640.1 CGLO|KAF3798509.1 CHIG|XP\_018161188.1 CVIN|KAF4917480.1 CVYL|A03816 FGRM|XP\_011328774.1 MORY|QBZ56522.1 NCRA|XP\_962407.3

>Orthogroup7829: BGRA|VCU39603.1 CFRU|XP\_031882301.1 CGLO|KAF3804403.1 CHIG|XP\_018160227.1 CVIN|KAF4930882.1 CVYL|A04100 FGRM|XP\_011328837.1 MORY|QBZ62520.1 NCRA|XP\_960663.1

>Orthogroup7830: BGRA|VCU39612.1 CFRU|XP\_031889474.1 CGLO|KAF3808835.1 CHIG|XP\_018155740.1 CVIN|KAF4909986.1 CVYL|A01246 FGRM|XP\_011318918.1 MORY|QBZ53862.1 SSCL|APA16102.1

>Orthogroup7831: BGRA|VCU40051.1 BGRA|VDB83682.1 BGRA|VDB83951.1 BGRA|VDB88376.1 BGRA|VDB88851.1 BGRA|VDB90453.1 BGRA|VDB93142.1 BGRA|VDB93184.1 BGRA|VDB93900.1

>Orthogroup7832: BGRA|VDB84016.1 BGRA|VDB87822.1 BGRA|VDB87832.1 BGRA|VDB90795.1 BGRA|VDB90797.1 BGRA|VDB90798.1 BGRA|VDB90799.1 BGRA|VDB90800.1 BGRA|VDB90802.1

>Orthogroup7833: BGRA|VDB89370.1 CFRU|XP\_031879452.1 CGLO|KAF3799648.1 CHIG|XP\_018154658.1 CVIN|KAF4926441.1 CVYL|A13511 FGRM|XP\_011315955.1 MORY|QBZ61010.1 NCRA|XP\_956508.2

>Orthogroup7834: BGRA|VDB89522.1 CFRU|XP\_031885891.1 CGLO|KAF3805446.1 CHIG|XP\_018155308.1 CVIN|KAF4930399.1 CVYL|A05576 FGRM|XP\_011325480.1 MORY|QBZ53792.1 NCRA|XP\_956831.1

>Orthogroup7835: BGRA|VDB91363.1 CFRU|XP\_031892808.1 CGLO|KAF3797063.1 CHIG|XP\_018150529.1 CHIG|XP\_018157033.1 CVIN|KAF4894649.1 MGRA|XP\_003852513.1 MORY|QBZ58994.1 NCRA|XP\_011395066.1

>Orthogroup7836: CFRU|XP\_031892224.1 CFRU|XP\_031893611.1 CGLO|KAF3800815.1 CGLO|KAF3805615.1 CVIN|KAF4922470.1 CVIN|KAF4925698.1 CVYL|A07581 CVYL|A08734 CVYL|A08735

>Orthogroup7837: CFRU|XP\_031893605.1 CGLO|KAF3800871.1 CHIG|XP\_018150826.1 CVIN|KAF4915566.1 CVYL|A11109 FGRM|XP\_011319305.1 FGRM|XP\_011324447.1 MORY|QBZ56513.1 NCRA|XP\_011394431.1

>Orthogroup7838: CFRU|XP\_031879074.1 CFRU|XP\_031893567.1 CGLO|KAF3798798.1 CGLO|KAF3808092.1 CHIG|XP\_018152794.1 CVIN|KAF4919597.1 CVIN|KAF4920632.1 CVYL|A08140 FGRM|XP\_011325797.1

>Orthogroup7839: CFRU|XP\_031884529.1 CFRU|XP\_031893178.1 CGLO|KAF3796955.1 CGLO|KAF3797112.1 CGLO|KAF3809525.1 CHIG|XP\_018152670.1 CVIN|KAF4918554.1 CVYL|A05825 CVYL|A08495

>Orthogroup7840: CFRU|XP\_031893319.1 CGLO|KAF3809646.1 CHIG|XP\_018152550.1 CVIN|KAF4925021.1 CVYL|A08401 FGRM|XP\_011320942.1 MORY|QBZ60666.1 MORY|QBZ61227.1 NCRA|XP\_959649.1

>Orthogroup7841: CFRU|XP\_031879317.1 CFRU|XP\_031888719.1 CGLO|KAF3799196.1 CGLO|KAF3808620.1 CHIG|XP\_018159804.1 CVIN|KAF4914910.1 CVIN|KAF4926138.1 CVYL|A10091 CVYL|A12266

>Orthogroup7842: CFRU|XP\_031888884.1 CGLO|KAF3799305.1 CHIG|XP\_018159905.1 CVIN|KAF4924798.1 CVYL|A04031 FGRM|XP\_011318382.1 MGRA|XP\_003850702.1 MORY|QBZ60637.1 NCRA|XP\_959840.1

>Orthogroup7843: CFRU|XP\_031884684.1 CFRU|XP\_031888834.1 CGLO|KAF3799350.1 CGLO|KAF3799671.1 CHIG|XP\_018158311.1 CVIN|KAF4895367.1 CVYL|A04486 CVYL|A05834 MORY|QBZ55957.1

>Orthogroup7844: CFRU|XP\_031889029.1 CFRU|XP\_031889655.1 CGLO|KAF3799363.1 CGLO|KAF3810630.1 CHIG|XP\_018159947.1 CVIN|KAF4901591.1 CVIN|KAF4910717.1 CVYL|A13714 FGRM|XP\_011328749.1

>Orthogroup7845: CFRU|XP\_031881167.1 CFRU|XP\_031888978.1 CGLO|KAF3804125.1 CGLO|KAF3810140.1 CGLO|KAF3810985.1 CHIG|XP\_018154860.1 CHIG|XP\_018163472.1 CVYL|A02167 FGRM|XP\_011322512.1

>Orthogroup7846: CFRU|XP\_031888936.1 CFRU|XP\_031891066.1 CGLO|KAF3811665.1 CVIN|KAF4892840.1 CVIN|KAF4909056.1 CVYL|A03956 CVYL|A12687 MORY|QBZ61913.1 NCRA|XP\_957387.3

>Orthogroup7847: CFRU|XP\_031875980.1 CFRU|XP\_031878973.1 CFRU|XP\_031887747.1 CGLO|KAF3803297.1 CGLO|KAF3807885.1 CHIG|XP\_018152664.1 CVIN|KAF4928668.1 CVYL|A03733 FGRM|XP\_011318275.1

>Orthogroup7848: CFRU|XP\_031875831.1 CFRU|XP\_031887883.1 CGLO|KAF3802017.1 CGLO|KAF3805552.1 CHIG|XP\_018162652.1 CVIN|KAF4893021.1 CVIN|KAF4914263.1 CVYL|A03371 MORY|QBZ55854.1

>Orthogroup7849: CFRU|XP\_031875746.1 CGLO|KAF3797762.1 CHIG|XP\_018156430.1 CVIN|KAF4918801.1 CVYL|A02978 FGRM|XP\_011318785.1 MORY|QBZ57716.1 NCRA|XP\_960077.1 SSCL|APA07584.1

>Orthogroup7850: CFRU|XP\_031888015.1 CGLO|KAF3798585.1 CGLO|KAF3802095.1 CHIG|XP\_018154737.1 CHIG|XP\_018158281.1 CVIN|KAF4930078.1 CVYL|A04859 FGRM|XP\_011325334.1 MGRA|XP\_003852791.1

>Orthogroup7851: CFRU|XP\_031886524.1 CFRU|XP\_031887960.1 CFRU|XP\_031887961.1 CGLO|KAF3802224.1 CVIN|KAF4914839.1 CVIN|KAF4927586.1 CVYL|A03176 CVYL|A06981 MGRA|XP\_003853271.1

>Orthogroup7852: CFRU|XP\_031875365.1 CFRU|XP\_031875704.1 CFRU|XP\_031891097.1 CGLO|KAF3798408.1 CHIG|XP\_018156239.1 CVIN|KAF4920009.1 CVIN|KAF4923012.1 CVYL|A11228 CVYL|A12768

>Orthogroup7853: CFRU|XP\_031875703.1 CFRU|XP\_031891711.1 CGLO|KAF3798122.1 CGLO|KAF3805638.1 CHIG|XP\_018151582.1 CVIN|KAF4925725.1 CVIN|KAF4927953.1 CVYL|A07561 CVYL|A08237

>Orthogroup7854: CFRU|XP\_031875678.1 CFRU|XP\_031892031.1 CGLO|KAF3797650.1 CHIG|XP\_018151315.1 CVIN|KAF4919385.1 CVIN|KAF4922344.1 CVYL|A01119 CVYL|A07648 FGRM|XP\_011322239.1

>Orthogroup7855: CFRU|XP\_031875625.1 CFRU|XP\_031876218.1 CFRU|XP\_031876219.1 CFRU|XP\_031876228.1 CFRU|XP\_031878463.1 CGLO|KAF3799153.1 MORY|QBZ57600.1 SSCL|APA05398.1 SSCL|APA07320.1

>Orthogroup7856: CFRU|XP\_031875624.1 CFRU|XP\_031876256.1 CFRU|XP\_031878454.1 CHIG|XP\_018150717.1 CHIG|XP\_018152613.1 FGRM|XP\_011325831.1 FGRM|XP\_011327391.1 FGRM|XP\_011328640.1 MORY|QBZ58455.1

>Orthogroup7857: CFRU|XP\_031885468.1 CFRU|XP\_031887658.1 CGLO|KAF3806512.1 CHIG|XP\_018157549.1 CVIN|KAF4921348.1 CVYL|A09358 MGRA|XP\_003850067.1 MORY|QBZ64263.1 NCRA|XP\_957049.2

>Orthogroup7858: CFRU|XP\_031881122.1 CFRU|XP\_031887768.1 CGLO|KAF3803258.1 CGLO|KAF3809847.1 CHIG|XP\_018158943.1 CVIN|KAF4928648.1 CVIN|KAF4930704.1 CVYL|A01767 CVYL|A03691

>Orthogroup7859: CFRU|XP\_031886099.1 CFRU|XP\_031887621.1 CGLO|KAF3803244.1 CGLO|KAF3811993.1 CVIN|KAF4928709.1 CVIN|KAF4930426.1 CVYL|A03676 CVYL|A05514 FGRM|XP\_011320611.1

>Orthogroup7860: CFRU|XP\_031887242.1 CFRU|XP\_031891127.1 CGLO|KAF3801494.1 CVYL|A12636 FGRM|XP\_011323129.1 MORY|QBZ56796.1 MORY|QBZ58441.1 MORY|QBZ66590.1 MORY|QBZ66679.1

>Orthogroup7861: CFRU|XP\_031886721.1 CGLO|KAF3804077.1 CHIG|XP\_018161095.1 CVIN|KAF4919544.1 CVYL|A07038 FGRM|XP\_011318097.1 FGRM|XP\_011322100.1 MGRA|XP\_003857059.1 SSCL|APA14168.1

>Orthogroup7862: CFRU|XP\_031886217.1 CFRU|XP\_031886366.1 CGLO|KAF3798508.1 CGLO|KAF3806303.1 CHIG|XP\_018162049.1 CVIN|KAF4923976.1 CVIN|KAF4923977.1 CVYL|A11896 MORY|QBZ59133.1

>Orthogroup7863: CFRU|XP\_031876183.1 CFRU|XP\_031886406.1 CGLO|KAF3807998.1 CHIG|XP\_018150570.1 CHIG|XP\_018153362.1 CVYL|A08633 FGRM|XP\_011321587.1 FGRM|XP\_011325232.1 MORY|QBZ65043.1

>Orthogroup7864: CFRU|XP\_031875331.1 CFRU|XP\_031878294.1 CHIG|XP\_018150608.1 CHIG|XP\_018150677.1 CHIG|XP\_018155005.1 CHIG|XP\_018156686.1 CHIG|XP\_018161643.1 CHIG|XP\_018165110.1 SSCL|APA06573.1

>Orthogroup7865: CFRU|XP\_031886103.1 CGLO|KAF3798377.1 CGLO|KAF3811996.1 CHIG|XP\_018151733.1 CHIG|XP\_018155250.1 CHIG|XP\_018163621.1 CVIN|KAF4930360.1 CVYL|A05511 MORY|QBZ54445.1

>Orthogroup7866: CFRU|XP\_031886112.1 CFRU|XP\_031892813.1 CGLO|KAF3805492.1 CGLO|KAF3807201.1 CHIG|XP\_018164220.1 CVIN|KAF4913927.1 CVIN|KAF4928198.1 CVYL|A05616 CVYL|A10680

>Orthogroup7867: CFRU|XP\_031875290.1 CFRU|XP\_031875326.1 CFRU|XP\_031876997.1 CFRU|XP\_031877018.1 CFRU|XP\_031879149.1 CGLO|KAF3802380.1 CHIG|XP\_018150637.1 CHIG|XP\_018150638.1 CHIG|XP\_018161569.1

>Orthogroup7868: CFRU|XP\_031885721.1 CGLO|KAF3807638.1 CHIG|XP\_018156291.1 CVYL|A02491 FGRM|XP\_011318273.1 MGRA|XP\_003855950.1 MORY|QBZ55162.1 MORY|QBZ62478.1 NCRA|XP\_011394686.1

>Orthogroup7869: CFRU|XP\_031882457.1 CFRU|XP\_031891106.1 CFRU|XP\_031892297.1 CGLO|KAF3797183.1 CGLO|KAF3809422.1 CHIG|XP\_018159058.1 CVIN|KAF4916316.1 CVIN|KAF4920808.1 CVYL|A10511

>Orthogroup7870: CFRU|XP\_031892655.1 CGLO|KAF3797137.1 CGLO|KAF3797155.1 CVYL|A10544 CVYL|A10560 FGRM|XP\_011317614.1 FGRM|XP\_011318332.1 FGRM|XP\_011324469.1 MORY|QBZ56184.1

>Orthogroup7871: CFRU|XP\_031892854.1 CGLO|KAF3797048.1 CHIG|XP\_018156999.1 CVIN|KAF4908010.1 CVYL|A10656 FGRM|XP\_011320974.1 FGRM|XP\_011325262.1 MORY|QBZ56529.1 NCRA|XP\_960214.1

>Orthogroup7872: CFRU|XP\_031878088.1 CFRU|XP\_031892508.1 CGLO|KAF3797034.1 CHIG|XP\_018157006.1 CHIG|XP\_018159335.1 CVIN|KAF4901586.1 CVIN|KAF4905039.1 CVYL|A10671 CVYL|A12858

>Orthogroup7873: CFRU|XP\_031884552.1 CFRU|XP\_031885370.1 CGLO|KAF3799545.1 CGLO|KAF3810370.1 CHIG|XP\_018154351.1 CHIG|XP\_018154536.1 CVIN|KAF4931856.1 CVYL|A13405 FGRM|XP\_011319712.1

>Orthogroup7874: CFRU|XP\_031884650.1 CFRU|XP\_031885170.1 CGLO|KAF3800365.1 CHIG|XP\_018150956.1 CVIN|KAF4913288.1 CVIN|KAF4927758.1 CVYL|A05799 CVYL|A07686 FGRM|XP\_011321951.1

>Orthogroup7875: CFRU|XP\_031884933.1 CFRU|XP\_031884971.1 CFRU|XP\_031884974.1 CGLO|KAF3800961.1 CGLO|KAF3800962.1 CHIG|XP\_018153222.1 CHIG|XP\_018153223.1 CVIN|KAF4912803.1 CVYL|A05943

>Orthogroup7876: CFRU|XP\_031883869.1 CFRU|XP\_031884827.1 CGLO|KAF3801047.1 CGLO|KAF3805051.1 CVIN|KAF4889314.1 CVIN|KAF4890510.1 CVYL|A00336 CVYL|A06507 FGRM|XP\_011317603.1

>Orthogroup7877: CFRU|XP\_031884789.1 CFRU|XP\_031884961.1 CGLO|KAF3812147.1 CHIG|XP\_018161050.1 CHIG|XP\_018161053.1 CVIN|KAF4918726.1 CVYL|A00245 CVYL|A00248 MGRA|XP\_003851379.1

>Orthogroup7878: CFRU|XP\_031876420.1 CFRU|XP\_031884381.1 CGLO|KAF3799037.1 CGLO|KAF3801964.1 CGLO|KAF3801965.1 CGLO|KAF3802793.1 CVIN|KAF4919787.1 CVYL|A02399 CVYL|A02400

>Orthogroup7879: CFRU|XP\_031877352.1 CFRU|XP\_031884150.1 CGLO|KAF3799884.1 CGLO|KAF3799929.1 CVIN|KAF4906993.1 CVYL|A09634 CVYL|A14178 FGRM|XP\_011322447.1 SSCL|APA08190.1

>Orthogroup7880: CFRU|XP\_031883978.1 CGLO|KAF3805010.1 CHIG|XP\_018163515.1 CVIN|KAF4927134.1 CVYL|A06539 MLAR|XP\_007405918.1 MLAR|XP\_007405919.1 MLAR|XP\_007416929.1 MORY|QBZ65310.1

>Orthogroup7881: CFRU|XP\_031883979.1 CGLO|KAF3805009.1 CHIG|XP\_018163514.1 CVIN|KAF4927137.1 CVYL|A06540 MGRA|XP\_003853819.1 MORY|QBZ58453.1 MORY|QBZ63022.1 MORY|QBZ63350.1

>Orthogroup7882: CFRU|XP\_031883483.1 CGLO|KAF3811938.1 CHIG|XP\_018155129.1 CVIN|KAF4908647.1 CVYL|A06128 MGRA|XP\_003857405.1 MGRA|XP\_003857406.1 MORY|QBZ63013.1 NCRA|XP\_956284.1

>Orthogroup7883: CFRU|XP\_031883454.1 CGLO|KAF3811942.1 CHIG|XP\_018153089.1 CVIN|KAF4908664.1 CVYL|A06122 CVYL|A06123 CVYL|A06124 FGRM|XP\_011321064.1 FGRM|XP\_011321065.1

>Orthogroup7884: CFRU|XP\_031877658.1 CFRU|XP\_031881388.1 CFRU|XP\_031883601.1 CGLO|KAF3801110.1 CGLO|KAF3802792.1 CGLO|KAF3805794.1 CVIN|KAF4909542.1 CVIN|KAF4926613.1 CVYL|A06027

>Orthogroup7885: CFRU|XP\_031880692.1 CFRU|XP\_031883481.1 CGLO|KAF3800255.1 CGLO|KAF3809973.1 CVIN|KAF4914186.1 CVIN|KAF4921767.1 CVYL|A01651 CVYL|A02029 FGRM|XP\_011325944.1

>Orthogroup7886: CFRU|XP\_031883218.1 CGLO|KAF3800742.1 CHIG|XP\_018163292.1 CVIN|KAF4919647.1 CVYL|A00462 FGRM|XP\_011322922.1 FGRM|XP\_011327235.1 MORY|QBZ57743.1 SSCL|APA15458.1

>Orthogroup7887: CFRU|XP\_031891664.1 CFRU|XP\_031891958.1 CGLO|KAF3805579.1 CGLO|KAF3805598.1 CVIN|KAF4889192.1 CVIN|KAF4900691.1 CVIN|KAF4922347.1 CVYL|A07598 CVYL|A07611

>Orthogroup7888: CFRU|XP\_031879173.1 CFRU|XP\_031891923.1 CGLO|KAF3807026.1 CHIG|XP\_018159712.1 CHIG|XP\_018160086.1 CVYL|A06322 FGRM|XP\_011322204.1 MGRA|XP\_003852479.1 MORY|QBZ57870.1

>Orthogroup7889: CFRU|XP\_031878943.1 CFRU|XP\_031892066.1 CGLO|KAF3801299.1 CGLO|KAF3807880.1 CHIG|XP\_018152615.1 CHIG|XP\_018164840.1 CVIN|KAF4921600.1 CVYL|A07787 FGRM|XP\_011325312.1

>Orthogroup7890: CFRU|XP\_031891746.1 CGLO|KAF3800163.1 CHIG|XP\_018165100.1 CVIN|KAF4925803.1 CVYL|A06860 FGRM|XP\_011327700.1 MGRA|XP\_003854576.1 MORY|QBZ60663.1 NCRA|XP\_011395067.1

>Orthogroup7891: CFRU|XP\_031882506.1 CGLO|KAF3807639.1 CHIG|XP\_018156290.1 CVIN|KAF4921410.1 CVYL|A03112 FGRM|XP\_011318832.1 MGRA|XP\_003850604.1 MORY|QBZ62474.1 NCRA|XP\_011394787.1

>Orthogroup7892: CFRU|XP\_031882368.1 CFRU|XP\_031882462.1 CGLO|KAF3807579.1 CGLO|KAF3807580.1 CHIG|XP\_018156355.1 CHIG|XP\_018156356.1 CVIN|KAF4928902.1 CVYL|A02902 NCRA|XP\_955857.2

>Orthogroup7893: CFRU|XP\_031876445.1 CFRU|XP\_031882247.1 CGLO|KAF3801951.1 CGLO|KAF3804334.1 CHIG|XP\_018154297.1 CHIG|XP\_018160114.1 CVIN|KAF4919784.1 CVIN|KAF4920148.1 CVYL|A02386

>Orthogroup7894: CFRU|XP\_031882204.1 CGLO|KAF3804395.1 CHIG|XP\_018160204.1 CVIN|KAF4930956.1 CVYL|A04091 FGRM|XP\_011325150.1 MGRA|XP\_003857338.1 MORY|QBZ64804.1 NCRA|XP\_958942.1

>Orthogroup7895: CFRU|XP\_031881979.1 CGLO|KAF3806092.1 CHIG|XP\_018164580.1 CVIN|KAF4891222.1 CVYL|A07421 FGRM|XP\_011319477.1 MORY|QBZ59470.1 MORY|QBZ59471.1 MORY|QBZ64994.1

>Orthogroup7896: CFRU|XP\_031881908.1 CGLO|KAF3810005.1 CHIG|XP\_018151687.1 CHIG|XP\_018151854.1 CHIG|XP\_018153275.1 CHIG|XP\_018156778.1 CHIG|XP\_018158007.1 CVIN|KAF4913018.1 CVYL|A02606

>Orthogroup7897: CFRU|XP\_031881577.1 CFRU|XP\_031881598.1 CGLO|KAF3807409.1 CHIG|XP\_018156811.1 CVIN|KAF4929594.1 CVIN|KAF4929595.1 CVYL|A10901 CVYL|A10902 NCRA|XP\_964539.3

>Orthogroup7898: CFRU|XP\_031881596.1 CGLO|KAF3807411.1 CHIG|XP\_018156809.1 CVIN|KAF4929591.1 CVYL|A10899 FGRM|XP\_011320057.1 MGRA|XP\_003855783.1 MORY|QBZ65394.1 NCRA|XP\_011393424.1

>Orthogroup7899: CFRU|XP\_031881689.1 CGLO|KAF3805401.1 CHIG|XP\_018153544.1 CHIG|XP\_018156705.1 CVIN|KAF4917764.1 CVYL|A11048 MORY|QBZ60799.1 MORY|QBZ66182.1 NCRA|XP\_965077.1

>Orthogroup7900: CFRU|XP\_031880849.1 CFRU|XP\_031881459.1 CGLO|KAF3805714.1 CGLO|KAF3806899.1 CHIG|XP\_018163641.1 CVIN|KAF4904503.1 CVIN|KAF4926639.1 CVYL|A02543 CVYL|A09831

>Orthogroup7901: CFRU|XP\_031881180.1 CGLO|KAF3802560.1 CHIG|XP\_018154848.1 CVIN|KAF4921847.1 CVYL|A02150 FGRM|XP\_011323544.1 MGRA|XP\_003855977.1 MORY|QBZ63141.1 NCRA|XP\_001727998.2

>Orthogroup7902: CFRU|XP\_031881066.1 CGLO|KAF3800403.1 CHIG|XP\_018161402.1 CVIN|KAF4930597.1 CVYL|A01798 FGRM|XP\_011321412.1 MORY|QBZ59946.1 NCRA|XP\_961675.1 NCRA|XP\_963581.2

>Orthogroup7903: CFRU|XP\_031877847.1 CFRU|XP\_031880969.1 CGLO|KAF3806619.1 CGLO|KAF3809848.1 CHIG|XP\_018158944.1 CVIN|KAF4918928.1 CVIN|KAF4930697.1 CVYL|A01766 CVYL|A12329

>Orthogroup7904: CFRU|XP\_031879209.1 CFRU|XP\_031880904.1 CFRU|XP\_031880943.1 CGLO|KAF3806990.1 CGLO|KAF3807013.1 CVIN|KAF4895120.1 CVIN|KAF4918780.1 CVYL|A06284 FGRM|XP\_011324461.1

>Orthogroup7905: CFRU|XP\_031891163.1 CFRU|XP\_031891164.1 CGLO|KAF3804566.1 CHIG|XP\_018161644.1 CVIN|KAF4923079.1 CVYL|A05311 FGRM|XP\_011318688.1 MORY|QBZ61121.1 NCRA|XP\_011393874.1

>Orthogroup7906: CFRU|XP\_031891427.1 CGLO|KAF3804559.1 CHIG|XP\_018151635.1 CHIG|XP\_018158036.1 CVYL|A05316 FGRM|XP\_011320750.1 FGRM|XP\_011320880.1 FGRM|XP\_011328740.1 MORY|QBZ63757.1

>Orthogroup7907: CFRU|XP\_031891372.1 CGLO|KAF3797901.1 CHIG|XP\_018161618.1 CVIN|KAF4905684.1 CVYL|A05338 FGRM|XP\_011318668.1 MGRA|XP\_003855115.1 MORY|QBZ62036.1 NCRA|XP\_963050.1

>Orthogroup7908: CFRU|XP\_031880703.1 CHIG|XP\_018161517.1 CVIN|KAF4930734.1 CVYL|A01685 FGRM|XP\_011318367.1 MLAR|XP\_007403495.1 MLAR|XP\_007414074.1 MORY|QBZ65140.1 NCRA|XP\_959402.1

>Orthogroup7909: CFRU|XP\_031880382.1 CFRU|XP\_031880386.1 CFRU|XP\_031880441.1 CFRU|XP\_031880445.1 CGLO|KAF3807282.1 CHIG|XP\_018156960.1 CVIN|KAF4928128.1 CVIN|KAF4928164.1 CVYL|A10769

>Orthogroup7910: CFRU|XP\_031880420.1 CGLO|KAF3807313.1 CHIG|XP\_018156992.1 CVIN|KAF4918093.1 CVYL|A10800 FGRM|XP\_011318348.1 MGRA|XP\_003855299.1 MORY|QBZ53407.1 NCRA|XP\_960122.2

>Orthogroup7911: CFRU|XP\_031880309.1 CGLO|KAF3808997.1 CHIG|XP\_018155842.1 CVIN|KAF4918029.1 CVYL|A01446 FGRM|XP\_011319315.1 MGRA|XP\_003856427.1 MORY|QBZ54215.1 NCRA|XP\_960905.1

>Orthogroup7912: CFRU|XP\_031880295.1 CGLO|KAF3808932.1 CHIG|XP\_018154285.1 CHIG|XP\_018159534.1 CVIN|KAF4920742.1 CVYL|A01156 FGRM|XP\_011322756.1 FGRM|XP\_011322980.1 MORY|QBZ54135.1

>Orthogroup7913: CFRU|XP\_031878292.1 CFRU|XP\_031880135.1 CGLO|KAF3798107.1 CGLO|KAF3811848.1 CHIG|XP\_018151688.1 CVIN|KAF4924865.1 CVIN|KAF4927940.1 CVYL|A12848 FGRM|XP\_011327394.1

>Orthogroup7914: CFRU|XP\_031878736.1 CFRU|XP\_031879923.1 CGLO|KAF3799024.1 CGLO|KAF3803846.1 CHIG|XP\_018152928.1 CVIN|KAF4895108.1 CVIN|KAF4906647.1 CVYL|A07939 CVYL|A08955

>Orthogroup7915: CFRU|XP\_031879861.1 CGLO|KAF3803040.1 CHIG|XP\_018153587.1 CVIN|KAF4929954.1 CVYL|A00052 FGRM|XP\_011315829.1 FGRM|XP\_011317130.1 MORY|QBZ59479.1 NCRA|XP\_962084.1

>Orthogroup7916: CFRU|XP\_031889960.1 CFRU|XP\_031890744.1 CGLO|KAF3802903.1 CGLO|KAF3811726.1 CVIN|KAF4907428.1 CVIN|KAF4923007.1 CVYL|A05110 CVYL|A12743 MORY|QBZ65653.1

>Orthogroup7917: CFRU|XP\_031891072.1 CGLO|KAF3801446.1 CHIG|XP\_018151867.1 CVIN|KAF4912390.1 CVYL|A12680 FGRM|XP\_011323177.1 MGRA|XP\_003853078.1 NCRA|XP\_011394467.1 NCRA|XP\_959730.1

>Orthogroup7918: CFRU|XP\_031890923.1 CGLO|KAF3801586.1 CHIG|XP\_018151343.1 CVIN|KAF4922730.1 CVYL|A12549 FGRM|XP\_011328249.1 MLAR|XP\_007408098.1 MORY|QBZ62550.1 NCRA|XP\_960403.1

>Orthogroup7919: CFRU|XP\_031891037.1 CGLO|KAF3801630.1 CHIG|XP\_018151394.1 CVIN|KAF4921197.1 CVIN|KAF4921200.1 CVYL|A12507 FGRM|XP\_011328194.1 MORY|QBZ61310.1 NCRA|XP\_011395058.1

>Orthogroup7920: CFRU|XP\_031890810.1 CGLO|KAF3801639.1 CHIG|XP\_018151404.1 CHIG|XP\_018151405.1 CVIN|KAF4921225.1 CVYL|A12498 FGRM|XP\_011328453.1 MORY|QBZ62689.1 NCRA|XP\_957891.1

>Orthogroup7921: CFRU|XP\_031879258.1 CFRU|XP\_031879263.1 CFRU|XP\_031879404.1 CGLO|KAF3807027.1 CGLO|KAF3807055.1 CVIN|KAF4920276.1 CVYL|A02573 CVYL|A06349 MORY|QBZ56110.1

>Orthogroup7922: CFRU|XP\_031879188.1 CGLO|KAF3807107.1 CVIN|KAF4919033.1 CVYL|A06393 MORY|QBZ53275.1 MORY|QBZ54353.1 MORY|QBZ56191.1 MORY|QBZ57613.1 MORY|QBZ65381.1

>Orthogroup7923: CFRU|XP\_031879219.1 CGLO|KAF3807075.1 CHIG|XP\_018159740.1 CVIN|KAF4919030.1 CVYL|A06369 FGRM|XP\_011318228.1 FGRM|XP\_011320574.1 MORY|QBZ55376.1 NCRA|XP\_958297.3

>Orthogroup7924: CFRU|XP\_031878780.1 CGLO|KAF3802638.1 CHIG|XP\_018158387.1 CHIG|XP\_018161284.1 CVIN|KAF4921658.1 CVYL|A01932 MGRA|XP\_003851975.1 MORY|QBZ57376.1 MORY|QBZ59915.1

>Orthogroup7925: CFRU|XP\_031878764.1 CGLO|KAF3798334.1 CHIG|XP\_018151120.1 CVIN|KAF4923567.1 CVYL|A09010 FGRM|XP\_011321103.1 FGRM|XP\_011323471.1 NCRA|XP\_958229.1 SSCL|APA15624.1

>Orthogroup7926: CFRU|XP\_031878562.1 CGLO|KAF3798454.1 CGLO|KAF3801409.1 CHIG|XP\_018159980.1 CVIN|KAF4920014.1 CVYL|A07677 CVYL|A11188 FGRM|XP\_011318193.1 MORY|QBZ65265.1

>Orthogroup7927: CFRU|XP\_031890678.1 CGLO|KAF3804841.1 CHIG|XP\_018164341.1 CVIN|KAF4929740.1 CVYL|A12231 FGRM|XP\_011316205.1 MGRA|XP\_003855141.1 MORY|QBZ62768.1 NCRA|XP\_964407.3

>Orthogroup7928: CFRU|XP\_031877087.1 CFRU|XP\_031878251.1 CGLO|KAF3808520.1 CGLO|KAF3811076.1 CVIN|KAF4917642.1 CVYL|A11620 FGRM|XP\_011322585.1 FGRM|XP\_011323151.1 FGRM|XP\_011328396.1

>Orthogroup7929: CFRU|XP\_031878081.1 CFRU|XP\_031878140.1 CFRU|XP\_031889462.1 CGLO|KAF3801821.1 CGLO|KAF3808878.1 CHIG|XP\_018156651.1 CVIN|KAF4890771.1 CVIN|KAF4905166.1 CVYL|A12887

>Orthogroup7930: CFRU|XP\_031877687.1 CGLO|KAF3797349.1 CHIG|XP\_018151119.1 CHIG|XP\_018155855.1 CHIG|XP\_018157162.1 CVIN|KAF4889986.1 CVYL|A10343 FGRM|XP\_011320095.1 FGRM|XP\_011326373.1

>Orthogroup7931: CFRU|XP\_031890219.1 CGLO|KAF3810404.1 CHIG|XP\_018158389.1 CVIN|KAF4908473.1 CVYL|A12414 FGRM|XP\_011315575.1 FGRM|XP\_011316503.1 MORY|QBZ65062.1 NCRA|XP\_965568.2

>Orthogroup7932: CFRU|XP\_031890128.1 CGLO|KAF3798244.1 CGLO|KAF3808242.1 CHIG|XP\_018151300.1 CVIN|KAF4900880.1 CVIN|KAF4909557.1 CVYL|A09227 FGRM|XP\_011323833.1 MORY|QBZ56325.1

>Orthogroup7933: CFRU|XP\_031890018.1 CGLO|KAF3798258.1 CHIG|XP\_018151327.1 CVIN|KAF4916932.1 CVYL|A09241 FGRM|XP\_011323832.1 MGRA|XP\_003854269.1 MORY|QBZ56326.1 NCRA|XP\_011394296.1

>Orthogroup7934: CFRU|XP\_031877387.1 CFRU|XP\_031877433.1 CGLO|KAF3805336.1 CGLO|KAF3807093.1 CGLO|KAF3811648.1 CHIG|XP\_018161683.1 CHIG|XP\_018161684.1 CVIN|KAF4931572.1 CVYL|A11721

>Orthogroup7935: CFRU|XP\_031877283.1 CGLO|KAF3802005.1 CVIN|KAF4919775.1 CVYL|A02433 MLAR|XP\_007407171.1 MLAR|XP\_007412817.1 MLAR|XP\_007413364.1 MLAR|XP\_007415389.1 MLAR|XP\_007417024.1

>Orthogroup7936: CFRU|XP\_031877025.1 CGLO|KAF3811085.1 CHIG|XP\_018153077.1 CVIN|KAF4911083.1 CVYL|A09710 FGRM|XP\_011318630.1 MGRA|XP\_003848875.1 MORY|QBZ60800.1 NCRA|XP\_959320.1

>Orthogroup7937: CFRU|XP\_031876866.1 CHIG|XP\_018158108.1 CVIN|KAF4921740.1 CVYL|A09666 MGRA|XP\_003851383.1 MGRA|XP\_003852975.1 MGRA|XP\_003855178.1 NCRA|XP\_958906.2 NCRA|XP\_958993.1

>Orthogroup7938: CFRU|XP\_031876843.1 CFRU|XP\_031889816.1 CGLO|KAF3797970.1 CGLO|KAF3805864.1 CHIG|XP\_018153302.1 CHIG|XP\_018158877.1 CVIN|KAF4907180.1 FGRM|XP\_011316674.1 NCRA|XP\_958095.2

>Orthogroup7939: CFRU|XP\_031889839.1 CGLO|KAF3810428.1 CHIG|XP\_018159186.1 CVIN|KAF4924662.1 CVYL|A13712 FGRM|XP\_011318129.1 FGRM|XP\_011321971.1 MORY|QBZ59024.1 NCRA|XP\_011393997.1

>Orthogroup7940: CFRU|XP\_031889739.1 CGLO|KAF3810491.1 CHIG|XP\_018159125.1 CVIN|KAF4924639.1 CVYL|A14095 FGRM|XP\_011317198.1 MGRA|XP\_003850549.1 MORY|QBZ64341.1 NCRA|XP\_963403.1

>Orthogroup7941: CFRU|XP\_031889646.1 CGLO|KAF3810640.1 CHIG|XP\_018158973.1 CVIN|KAF4917786.1 CVYL|A13724 FGRM|XP\_011321469.1 MGRA|XP\_003849161.1 MORY|QBZ65221.1 NCRA|XP\_965599.2

>Orthogroup7942: CFRU|XP\_031889277.1 CGLO|KAF3797696.1 CHIG|XP\_018155484.1 CVIN|KAF4928329.1 CVYL|A01073 FGRM|XP\_011320729.1 FGRM|XP\_011328472.1 MORY|QBZ58481.1 NCRA|XP\_959731.1

>Orthogroup7943: CFRU|XP\_031889092.1 CGLO|KAF3797680.1 CHIG|XP\_018155458.1 CVIN|KAF4919392.1 CVYL|A01090 FGRM|XP\_011322248.1 MGRA|XP\_003847881.1 MLAR|XP\_007406460.1 MORY|QBZ58634.1

>Orthogroup7944: CFRU|XP\_031876365.1 CGLO|KAF3801190.1 CHIG|XP\_018155189.1 CVIN|KAF4888053.1 CVYL|A06205 FGRM|XP\_011317621.1 MGRA|XP\_003850452.1 MGRA|XP\_003857484.1 MORY|QBZ60141.1

>Orthogroup7945: CGLO|KAF3805853.1 CHIG|XP\_018150704.1 CVYL|A05447 CVYL|A08548 CVYL|A08552 CVYL|A08553 CVYL|A08569 CVYL|A08577 CVYL|A09981

>Orthogroup7946: CHIG|XP\_018154031.1 FGRM|XP\_011315728.1 FGRM|XP\_011320646.1 MGRA|XP\_003849454.1 MGRA|XP\_003854122.1 MORY|QBZ56716.1 MORY|QBZ66119.1 MORY|QBZ66120.1 NCRA|XP\_011394941.1

>Orthogroup7947: FGRM|XP\_011318272.1 FGRM|XP\_011320594.1 FGRM|XP\_011320791.1 FGRM|XP\_011320963.1 FGRM|XP\_011323207.1 FGRM|XP\_011325386.1 FGRM|XP\_011326067.1 FGRM|XP\_011328401.1 FGRM|XP\_011328722.1

>Orthogroup7948: MGRA|XP\_003847769.1 MGRA|XP\_003849808.1 MGRA|XP\_003852394.1 MGRA|XP\_003854026.1 MGRA|XP\_003854421.1 MGRA|XP\_003855252.1 MGRA|XP\_003855253.1 MGRA|XP\_003855576.1 MGRA|XP\_003857245.1

>Orthogroup7949: MGRA|XP\_003847844.1 MGRA|XP\_003847845.1 MGRA|XP\_003848204.1 MGRA|XP\_003849712.1 MGRA|XP\_003849870.1 MGRA|XP\_003851607.1 MGRA|XP\_003852774.1 MGRA|XP\_003853800.1 MGRA|XP\_003855192.1

>Orthogroup7950: MGRA|XP\_003850875.1 MGRA|XP\_003850876.1 MGRA|XP\_003850877.1 MGRA|XP\_003850878.1 MGRA|XP\_003850880.1 MGRA|XP\_003850881.1 MGRA|XP\_003850984.1 MGRA|XP\_003850985.1 MGRA|XP\_003850986.1

>Orthogroup7951: MGRA|XP\_003847267.1 MGRA|XP\_003847896.1 MGRA|XP\_003848093.1 MGRA|XP\_003849281.1 MGRA|XP\_003849282.1 MGRA|XP\_003849290.1 MGRA|XP\_003849292.1 MGRA|XP\_003849293.1 MGRA|XP\_003850972.1

>Orthogroup7952: MLAR|XP\_007403514.1 MLAR|XP\_007404789.1 MLAR|XP\_007407969.1 MLAR|XP\_007408060.1 MLAR|XP\_007408447.1 MLAR|XP\_007408874.1 MLAR|XP\_007409601.1 MLAR|XP\_007409829.1 MLAR|XP\_007413516.1

>Orthogroup7953: MLAR|XP\_007403575.1 MLAR|XP\_007403928.1 MLAR|XP\_007403929.1 MLAR|XP\_007404527.1 MLAR|XP\_007404728.1 MLAR|XP\_007405191.1 MLAR|XP\_007406738.1 MLAR|XP\_007410739.1 MLAR|XP\_007412804.1

>Orthogroup7954: MLAR|XP\_007403622.1 MLAR|XP\_007406560.1 MLAR|XP\_007408710.1 MLAR|XP\_007408847.1 MLAR|XP\_007412018.1 MLAR|XP\_007412838.1 MLAR|XP\_007414283.1 MLAR|XP\_007415803.1 MLAR|XP\_007418778.1

>Orthogroup7955: MLAR|XP\_007404274.1 MLAR|XP\_007408482.1 MLAR|XP\_007410883.1 MLAR|XP\_007412971.1 MLAR|XP\_007416056.1 MLAR|XP\_007417141.1 MLAR|XP\_007417356.1 MLAR|XP\_007418971.1 MLAR|XP\_007419448.1

>Orthogroup7956: MLAR|XP\_007404291.1 MLAR|XP\_007406072.1 MLAR|XP\_007406135.1 MLAR|XP\_007406721.1 MLAR|XP\_007411327.1 MLAR|XP\_007415369.1 MLAR|XP\_007416986.1 MLAR|XP\_007417951.1 MLAR|XP\_007417971.1

>Orthogroup7957: MLAR|XP\_007404368.1 MLAR|XP\_007404703.1 MLAR|XP\_007404748.1 MLAR|XP\_007404749.1 MLAR|XP\_007404751.1 MLAR|XP\_007408203.1 MLAR|XP\_007412420.1 MLAR|XP\_007413165.1 MLAR|XP\_007418745.1

>Orthogroup7958: MLAR|XP\_007404392.1 MLAR|XP\_007406720.1 MLAR|XP\_007406882.1 MLAR|XP\_007410083.1 MLAR|XP\_007413049.1 MLAR|XP\_007417996.1 MLAR|XP\_007418283.1 MLAR|XP\_007419255.1 MLAR|XP\_007419561.1

>Orthogroup7959: MLAR|XP\_007404916.1 MLAR|XP\_007407730.1 MLAR|XP\_007409046.1 MLAR|XP\_007413345.1 MLAR|XP\_007415091.1 MLAR|XP\_007415405.1 MLAR|XP\_007417216.1 MLAR|XP\_007418112.1 MLAR|XP\_007418905.1

>Orthogroup7960: MLAR|XP\_007405443.1 MLAR|XP\_007405519.1 MLAR|XP\_007405576.1 MLAR|XP\_007406235.1 MLAR|XP\_007407517.1 MLAR|XP\_007412107.1 MLAR|XP\_007413552.1 MLAR|XP\_007416201.1 MLAR|XP\_007419846.1

>Orthogroup7961: MLAR|XP\_007405406.1 MLAR|XP\_007407385.1 MLAR|XP\_007407810.1 MLAR|XP\_007409462.1 MLAR|XP\_007412380.1 MLAR|XP\_007416190.1 MLAR|XP\_007416191.1 MLAR|XP\_007417090.1 MLAR|XP\_007418658.1

>Orthogroup7962: MLAR|XP\_007404985.1 MLAR|XP\_007406092.1 MLAR|XP\_007408121.1 MLAR|XP\_007409888.1 MLAR|XP\_007414807.1 MLAR|XP\_007415004.1 MLAR|XP\_007416571.1 MLAR|XP\_007417895.1 MLAR|XP\_007418699.1

>Orthogroup7963: MLAR|XP\_007405021.1 MLAR|XP\_007405997.1 MLAR|XP\_007408278.1 MLAR|XP\_007408777.1 MLAR|XP\_007411924.1 MLAR|XP\_007413983.1 MLAR|XP\_007415402.1 MLAR|XP\_007415572.1 MLAR|XP\_007415826.1

>Orthogroup7964: MLAR|XP\_007405044.1 MLAR|XP\_007405045.1 MLAR|XP\_007405481.1 MLAR|XP\_007406502.1 MLAR|XP\_007407243.1 MLAR|XP\_007407749.1 MLAR|XP\_007414872.1 MLAR|XP\_007416122.1 MLAR|XP\_007417869.1

>Orthogroup7965: MLAR|XP\_007405081.1 MLAR|XP\_007407628.1 MLAR|XP\_007408959.1 MLAR|XP\_007412618.1 MLAR|XP\_007413216.1 MLAR|XP\_007413217.1 MLAR|XP\_007413307.1 MLAR|XP\_007413326.1 MLAR|XP\_007415098.1

>Orthogroup7966: MLAR|XP\_007405252.1 MLAR|XP\_007407412.1 MLAR|XP\_007411023.1 MLAR|XP\_007411970.1 MLAR|XP\_007412713.1 MLAR|XP\_007413529.1 MLAR|XP\_007413901.1 MLAR|XP\_007418147.1 MLAR|XP\_007418606.1

>Orthogroup7967: MLAR|XP\_007405155.1 MLAR|XP\_007408576.1 MLAR|XP\_007413222.1 MLAR|XP\_007413829.1 MLAR|XP\_007414019.1 MLAR|XP\_007414916.1 MLAR|XP\_007415224.1 MLAR|XP\_007416553.1 MLAR|XP\_007417727.1

>Orthogroup7968: MLAR|XP\_007405762.1 MLAR|XP\_007408706.1 MLAR|XP\_007409153.1 MLAR|XP\_007409653.1 MLAR|XP\_007410387.1 MLAR|XP\_007417803.1 MLAR|XP\_007417804.1 MLAR|XP\_007417805.1 MLAR|XP\_007419613.1

>Orthogroup7969: MLAR|XP\_007405591.1 MLAR|XP\_007409165.1 MLAR|XP\_007412415.1 MLAR|XP\_007414292.1 MLAR|XP\_007414626.1 MLAR|XP\_007414637.1 MLAR|XP\_007417719.1 MLAR|XP\_007418757.1 MLAR|XP\_007418849.1

>Orthogroup7970: MLAR|XP\_007405654.1 MLAR|XP\_007408162.1 MLAR|XP\_007413880.1 MLAR|XP\_007413881.1 MLAR|XP\_007413882.1 MLAR|XP\_007413883.1 MLAR|XP\_007413884.1 MLAR|XP\_007414830.1 MLAR|XP\_007417158.1

>Orthogroup7971: MLAR|XP\_007405888.1 MLAR|XP\_007408119.1 MLAR|XP\_007409557.1 MLAR|XP\_007409558.1 MLAR|XP\_007410784.1 MLAR|XP\_007413893.1 MLAR|XP\_007413959.1 MLAR|XP\_007418744.1 MLAR|XP\_007418931.1

>Orthogroup7972: MLAR|XP\_007406181.1 MLAR|XP\_007408572.1 MLAR|XP\_007412208.1 MLAR|XP\_007412223.1 MLAR|XP\_007412323.1 MLAR|XP\_007412330.1 MLAR|XP\_007412996.1 MLAR|XP\_007418152.1 MLAR|XP\_007419281.1

>Orthogroup7973: MLAR|XP\_007406126.1 MLAR|XP\_007407634.1 MLAR|XP\_007410475.1 MLAR|XP\_007415201.1 MLAR|XP\_007416285.1 MLAR|XP\_007416568.1 MLAR|XP\_007418526.1 MLAR|XP\_007418716.1 MLAR|XP\_007419356.1

>Orthogroup7974: MLAR|XP\_007406702.1 MLAR|XP\_007409813.1 MLAR|XP\_007409814.1 MLAR|XP\_007409815.1 MLAR|XP\_007411106.1 MLAR|XP\_007412572.1 MLAR|XP\_007412647.1 MLAR|XP\_007415191.1 MLAR|XP\_007418516.1

>Orthogroup7975: MLAR|XP\_007406671.1 MLAR|XP\_007407262.1 MLAR|XP\_007407786.1 MLAR|XP\_007412694.1 MLAR|XP\_007413278.1 MLAR|XP\_007415349.1 MLAR|XP\_007418119.1 MLAR|XP\_007418978.1 MLAR|XP\_007419143.1

>Orthogroup7976: MLAR|XP\_007406606.1 MLAR|XP\_007406798.1 MLAR|XP\_007407465.1 MLAR|XP\_007408289.1 MLAR|XP\_007410270.1 MLAR|XP\_007410311.1 MLAR|XP\_007410313.1 MLAR|XP\_007412831.1 MLAR|XP\_007417175.1

>Orthogroup7977: MLAR|XP\_007406562.1 MLAR|XP\_007406574.1 MLAR|XP\_007408284.1 MLAR|XP\_007410282.1 MLAR|XP\_007414100.1 MLAR|XP\_007416838.1 MLAR|XP\_007419216.1 MLAR|XP\_007419425.1 MLAR|XP\_007419844.1

>Orthogroup7978: MLAR|XP\_007406478.1 MLAR|XP\_007407073.1 MLAR|XP\_007407217.1 MLAR|XP\_007407566.1 MLAR|XP\_007408133.1 MLAR|XP\_007413919.1 MLAR|XP\_007414540.1 MLAR|XP\_007416414.1 MLAR|XP\_007419736.1

>Orthogroup7979: MLAR|XP\_007406551.1 MLAR|XP\_007409349.1 MLAR|XP\_007411430.1 MLAR|XP\_007411766.1 MLAR|XP\_007412015.1 MLAR|XP\_007418506.1 MLAR|XP\_007418992.1 MLAR|XP\_007418993.1 MLAR|XP\_007419726.1

>Orthogroup7980: MLAR|XP\_007406991.1 MLAR|XP\_007412729.1 MLAR|XP\_007416820.1 MLAR|XP\_007416822.1 MLAR|XP\_007416854.1 MLAR|XP\_007418019.1 MLAR|XP\_007419543.1 MLAR|XP\_007419545.1 MLAR|XP\_007419546.1

>Orthogroup7981: MLAR|XP\_007406955.1 MLAR|XP\_007408397.1 MLAR|XP\_007410517.1 MLAR|XP\_007414430.1 MLAR|XP\_007414431.1 MLAR|XP\_007416200.1 MLAR|XP\_007417312.1 MLAR|XP\_007418051.1 MLAR|XP\_007418290.1

>Orthogroup7982: MLAR|XP\_007407417.1 MLAR|XP\_007410085.1 MLAR|XP\_007413438.1 MLAR|XP\_007415082.1 MLAR|XP\_007415083.1 MLAR|XP\_007417668.1 MLAR|XP\_007417726.1 MLAR|XP\_007417858.1 MLAR|XP\_007417859.1

>Orthogroup7983: MLAR|XP\_007407892.1 MLAR|XP\_007408779.1 MLAR|XP\_007410522.1 MLAR|XP\_007412059.1 MLAR|XP\_007417729.1 MLAR|XP\_007417835.1 MLAR|XP\_007417955.1 MLAR|XP\_007418025.1 MLAR|XP\_007418997.1

>Orthogroup7984: MLAR|XP\_007409451.1 MLAR|XP\_007409452.1 MLAR|XP\_007409455.1 MLAR|XP\_007409459.1 MLAR|XP\_007416380.1 MLAR|XP\_007419451.1 MLAR|XP\_007419642.1 MLAR|XP\_007419664.1 MLAR|XP\_007419832.1

>Orthogroup7985: MORY|QBZ53240.1 MORY|QBZ53243.1 MORY|QBZ53246.1 MORY|QBZ53249.1 MORY|QBZ53252.1 MORY|QBZ53255.1 MORY|QBZ53258.1 MORY|QBZ53261.1 MORY|QBZ53264.1

>Orthogroup7986: MORY|QBZ53645.1 MORY|QBZ57528.1 MORY|QBZ57623.1 MORY|QBZ58285.1 MORY|QBZ64228.1 MORY|QBZ64970.1 MORY|QBZ65436.1 MORY|QBZ66539.1 MORY|QBZ66574.1

>Orthogroup7987: NCRA|XP\_957945.1 NCRA|XP\_963835.3 NCRA|XP\_963836.1 NCRA|XP\_963837.1 NCRA|XP\_963839.1 NCRA|XP\_963875.1 NCRA|XP\_965232.1 NCRA|XP\_965233.1 NCRA|XP\_965234.1

>Orthogroup7988: SSCL|APA05397.1 SSCL|APA06571.1 SSCL|APA09590.1 SSCL|APA10759.1 SSCL|APA11276.1 SSCL|APA11984.1 SSCL|APA13801.1 SSCL|APA13852.1 SSCL|APA15331.1

>Orthogroup7989: ANID|CBF69684.1 CFRU|XP\_031878805.1 CFRU|XP\_031884259.1 CGLO|KAF3799995.1 CVIN|KAF4917599.1 CVIN|KAF4926912.1 CVYL|A01870 CVYL|A10211

>Orthogroup7990: ANID|CBF70039.1 ANID|CBF75864.1 ANID|CBF82883.1 CFRU|XP\_031881143.1 CGLO|KAF3800463.1 CHIG|XP\_018161363.1 CVIN|KAF4917593.1 CVYL|A01846

>Orthogroup7991: ANID|CBF70114.1 ANID|CBF87194.1 CFRU|XP\_031887881.1 CGLO|KAF3802019.1 CVIN|KAF4914261.1 CVYL|A03369 FGRM|XP\_011320903.1 MGRA|XP\_003854543.1

>Orthogroup7992: ANID|CBF70136.1 BCIN|XP\_001549826.1 CFRU|XP\_031879692.1 CGLO|KAF3798198.1 CVIN|KAF4916816.1 CVYL|A04921 MGRA|XP\_003849749.1 SSCL|APA14451.1

>Orthogroup7993: ANID|CBF70159.1 CFRU|XP\_031879756.1 CGLO|KAF3798195.1 CHIG|XP\_018156845.1 CVIN|KAF4916798.1 CVYL|A04924 MGRA|XP\_003853529.1 MORY|QBZ61691.1

>Orthogroup7994: ANID|CBF70236.1 BCIN|XP\_024550790.1 BGRA|VCU40853.1 CFRU|XP\_031882474.1 CGLO|KAF3809411.1 CVIN|KAF4916322.1 CVYL|A03077 MLAR|XP\_007415362.1

>Orthogroup7995: ANID|CBF70263.1 ANID|CBF70490.1 ANID|CBF78284.1 ANID|CBF78857.1 ANID|CBF79458.1 ANID|CBF80748.1 ANID|CBF82447.1 ANID|CBF86718.1

>Orthogroup7996: ANID|CBF70286.1 CFRU|XP\_031892182.1 CGLO|KAF3801311.1 CHIG|XP\_018164817.1 CVIN|KAF4921574.1 FGRM|XP\_011318345.1 MGRA|XP\_003851162.1 MORY|QBZ55154.1

>Orthogroup7997: ANID|CBF70383.1 BCIN|XP\_024546108.1 CFRU|XP\_031878960.1 CGLO|KAF3807910.1 CVIN|KAF4915233.1 CVYL|A00710 MGRA|XP\_003848761.1 SSCL|APA06632.1

>Orthogroup7998: ANID|CBF70516.1 CFRU|XP\_031879154.1 CGLO|KAF3807047.1 CVIN|KAF4920254.1 CVYL|A06341 FGRM|XP\_011325849.1 MORY|QBZ65712.1 SSCL|APA08092.1

>Orthogroup7999: ANID|CBF70554.1 BCIN|XP\_001554940.1 BGRA|VCU39367.1 CFRU|XP\_031876531.1 CVIN|KAF4926796.1 FGRM|XP\_011317799.1 NCRA|XP\_011394437.1 SSCL|APA08366.1

>Orthogroup8000: ANID|CBF70839.1 BGRA|VCU38797.1 MGRA|XP\_003850441.1 MLAR|XP\_007404380.1 MLAR|XP\_007408475.1 MLAR|XP\_007409431.1 MLAR|XP\_007417603.1 MLAR|XP\_007417718.1

>Orthogroup8001: ANID|CBF70903.1 CFRU|XP\_031888640.1 CGLO|KAF3804265.1 CVIN|KAF4909063.1 CVYL|A03947 FGRM|XP\_011315690.1 FGRM|XP\_011328414.1 MGRA|XP\_003850457.1

>Orthogroup8002: ANID|CBF71171.1 CFRU|XP\_031878450.1 CFRU|XP\_031880837.1 CGLO|KAF3806965.1 CHIG|XP\_018153916.1 CHIG|XP\_018159632.1 CVIN|KAF4919143.1 CVYL|A06255

>Orthogroup8003: ANID|CBF71188.1 CFRU|XP\_031883888.1 CGLO|KAF3805086.1 CHIG|XP\_018163427.1 CVIN|KAF4927438.1 CVYL|A06473 MORY|QBZ61847.1 NCRA|XP\_957071.1

>Orthogroup8004: ANID|CBF71409.1 ANID|CBF84296.1 CFRU|XP\_031880219.1 CGLO|KAF3797966.1 CGLO|KAF3808924.1 CHIG|XP\_018155802.1 CVIN|KAF4920751.1 CVYL|A01161

>Orthogroup8005: ANID|CBF71428.1 BCIN|XP\_024550482.1 CFRU|XP\_031885650.1 CGLO|KAF3810120.1 CHIG|XP\_018157874.1 CVIN|KAF4912149.1 CVYL|A02712 SSCL|APA11200.1

>Orthogroup8006: ANID|CBF71434.1 ANID|CBF84346.1 BCIN|XP\_001554252.1 CFRU|XP\_031883039.1 CGLO|KAF3808302.1 FGRM|XP\_011318374.1 MGRA|XP\_003848213.1 SSCL|APA10343.1

>Orthogroup8007: ANID|CBF71436.1 CFRU|XP\_031885912.1 CGLO|KAF3801173.1 CHIG|XP\_018155201.1 CVIN|KAF4911043.1 CVYL|A06219 MORY|QBZ63012.1 NCRA|XP\_961673.1

>Orthogroup8008: ANID|CBF71482.1 CFRU|XP\_031881479.1 CGLO|KAF3805816.1 CHIG|XP\_018151534.1 CVIN|KAF4920890.1 CVYL|A06008 MORY|QBZ59937.1 MORY|QBZ64068.1

>Orthogroup8009: ANID|CBF71493.1 CFRU|XP\_031882536.1 CGLO|KAF3803908.1 CVIN|KAF4925470.1 CVYL|A08893 FGRM|XP\_011320817.1 FGRM|XP\_011321706.1 MGRA|XP\_003852916.1

>Orthogroup8010: ANID|CBF71580.1 CFRU|XP\_031879300.1 CGLO|KAF3808668.1 CHIG|XP\_018161845.1 CVIN|KAF4926170.1 CVYL|A11722 FGRM|XP\_011317936.1 MORY|QBZ64319.1

>Orthogroup8011: ANID|CBF71733.1 CFRU|XP\_031876388.1 CGLO|KAF3797788.1 CHIG|XP\_018156484.1 CVIN|KAF4923133.1 CVYL|A03013 FGRM|XP\_011325274.1 MGRA|XP\_003854435.1

>Orthogroup8012: ANID|CBF71793.1 CFRU|XP\_031881062.1 CGLO|KAF3809909.1 CHIG|XP\_018161495.1 CVIN|KAF4930649.1 CVYL|A01710 FGRM|XP\_011323101.1 MORY|QBZ63708.1

>Orthogroup8013: ANID|CBF73380.1 ANID|CBF90385.1 CFRU|XP\_031878231.1 CVIN|KAF4917733.1 CVYL|A11649 FGRM|XP\_011325878.1 MORY|QBZ56606.1 NCRA|XP\_959843.1

>Orthogroup8014: ANID|CBF73499.1 ANID|CBF89131.1 CFRU|XP\_031879289.1 CGLO|KAF3808567.1 CHIG|XP\_018163180.1 CVIN|KAF4906489.1 CVYL|A11577 MORY|QBZ57572.1

>Orthogroup8015: ANID|CBF73541.1 CFRU|XP\_031883468.1 CGLO|KAF3810820.1 CHIG|XP\_018154973.1 CVIN|KAF4899850.1 CVYL|A02006 FGRM|XP\_011317653.1 MORY|QBZ63440.1

>Orthogroup8016: ANID|CBF73543.1 CFRU|XP\_031883466.1 CGLO|KAF3810821.1 CHIG|XP\_018154972.1 CVIN|KAF4899857.1 CVYL|A02005 FGRM|XP\_011317650.1 MORY|QBZ63439.1

>Orthogroup8017: ANID|CBF73545.1 CFRU|XP\_031883467.1 CGLO|KAF3810822.1 CHIG|XP\_018154971.1 CVIN|KAF4899856.1 CVYL|A02004 MORY|QBZ63438.1 MORY|QBZ64103.1

>Orthogroup8018: ANID|CBF73616.1 ANID|CBF74064.1 ANID|CBF77736.1 ANID|CBF83503.1 ANID|CBF84331.1 ANID|CBF87508.1 ANID|CBF88991.1 ANID|CBF89857.1

>Orthogroup8019: ANID|CBF73644.1 ANID|CBF84441.1 CFRU|XP\_031875667.1 CFRU|XP\_031875867.1 CFRU|XP\_031877535.1 MGRA|XP\_003847480.1 MORY|QBZ60069.1 SSCL|APA13369.1

>Orthogroup8020: ANID|CBF73690.1 CFRU|XP\_031881037.1 CGLO|KAF3809885.1 CHIG|XP\_018161471.1 CVIN|KAF4930626.1 CVYL|A01732 FGRM|XP\_011320423.1 MORY|QBZ61148.1

>Orthogroup8021: ANID|CBF73818.1 BCIN|XP\_024550248.1 CFRU|XP\_031877331.1 CGLO|KAF3799891.1 CHIG|XP\_018153802.1 CVIN|KAF4921743.1 CVYL|A09629 SSCL|APA10925.1

>Orthogroup8022: ANID|CBF73835.1 ANID|CBF78478.1 CFRU|XP\_031890091.1 CGLO|KAF3810373.1 CHIG|XP\_018151293.1 CVIN|KAF4909113.1 CVYL|A05739 FGRM|XP\_011323142.1

>Orthogroup8023: ANID|CBF73847.1 CFRU|XP\_031891759.1 CGLO|KAF3800105.1 CVIN|KAF4925850.1 CVYL|A06798 FGRM|XP\_011325283.1 MGRA|XP\_003851360.1 MGRA|XP\_003853250.1

>Orthogroup8024: ANID|CBF73854.1 BCIN|XP\_024548139.1 CFRU|XP\_031885807.1 CFRU|XP\_031890106.1 CGLO|KAF3810232.1 CVIN|KAF4929095.1 CVYL|A02831 MGRA|XP\_003851754.1

>Orthogroup8025: ANID|CBF73902.1 CFRU|XP\_031884254.1 CGLO|KAF3799990.1 CGLO|KAF3807320.1 CHIG|XP\_018153380.1 CVIN|KAF4918105.1 CVYL|A10205 MORY|QBZ63686.1

>Orthogroup8026: ANID|CBF73904.1 CFRU|XP\_031887081.1 CHIG|XP\_018160684.1 CVIN|KAF4917877.1 CVYL|A04642 FGRM|XP\_011323443.1 MGRA|XP\_003851323.1 MORY|QBZ64090.1

>Orthogroup8027: ANID|CBF73949.1 CFRU|XP\_031879280.1 CHIG|XP\_018150711.1 CVIN|KAF4926175.1 CVYL|A11767 FGRM|XP\_011320596.1 FGRM|XP\_011320728.1 SSCL|APA13335.1

>Orthogroup8028: ANID|CBF73969.1 CFRU|XP\_031878177.1 CGLO|KAF3808485.1 CHIG|XP\_018158303.1 CHIG|XP\_018161983.1 CVIN|KAF4917734.1 CVYL|A11653 FGRM|XP\_011320988.1

>Orthogroup8029: ANID|CBF74048.1 CFRU|XP\_031890518.1 CGLO|KAF3806762.1 CHIG|XP\_018158784.1 CVIN|KAF4919509.1 CVYL|A04975 FGRM|XP\_011316680.1 MORY|QBZ60393.1

>Orthogroup8030: ANID|CBF74091.1 CFRU|XP\_031883860.1 CGLO|KAF3805045.1 CGLO|KAF3805046.1 CGLO|KAF3805166.1 CVIN|KAF4919726.1 CVIN|KAF4927485.1 CVYL|A06584

>Orthogroup8031: ANID|CBF74389.1 BCIN|XP\_024547300.1 BGRA|VDB83776.1 CVIN|KAF4922329.1 FGRM|XP\_011324962.1 MORY|QBZ64376.1 NCRA|XP\_011395322.1 SSCL|APA14260.1

>Orthogroup8032: ANID|CBF74406.1 CFRU|XP\_031884839.1 CGLO|KAF3812212.1 CHIG|XP\_018153440.1 CVIN|KAF4920965.1 CVYL|A00171 MORY|QBZ66365.1 NCRA|XP\_964664.1

>Orthogroup8033: ANID|CBF74618.1 CFRU|XP\_031884133.1 CGLO|KAF3803792.1 CHIG|XP\_018153122.1 CVIN|KAF4917901.1 CVYL|A14164 FGRM|XP\_011323547.1 MORY|QBZ59828.1

>Orthogroup8034: ANID|CBF74785.1 BCIN|XP\_001545460.1 BCIN|XP\_001545592.1 BCIN|XP\_024546049.1 CFRU|XP\_031893288.1 FGRM|XP\_011328732.1 MGRA|XP\_003857472.1 SSCL|APA10212.1

>Orthogroup8035: ANID|CBF74905.1 CFRU|XP\_031888969.1 CGLO|KAF3799212.1 CHIG|XP\_018159832.1 CVIN|KAF4909310.1 CVYL|A10107 FGRM|XP\_011321723.1 NCRA|XP\_961596.1

>Orthogroup8036: ANID|CBF74914.1 CFRU|XP\_031892093.1 CGLO|KAF3800113.1 CHIG|XP\_018165051.1 CVIN|KAF4925855.1 CVIN|KAF4925856.1 CVYL|A06804 MGRA|XP\_003851463.1

>Orthogroup8037: ANID|CBF74993.1 CFRU|XP\_031891616.1 CFRU|XP\_031892141.1 CGLO|KAF3809777.1 CHIG|XP\_018153277.1 CVIN|KAF4915182.1 CVYL|A06698 FGRM|XP\_011315868.1

>Orthogroup8038: ANID|CBF75217.1 ANID|CBF88196.1 CFRU|XP\_031881042.1 CGLO|KAF3809867.1 CHIG|XP\_018161452.1 CHIG|XP\_018161486.1 CVIN|KAF4930670.1 CVYL|A01752

>Orthogroup8039: ANID|CBF75376.1 ANID|CBF87656.1 BCIN|XP\_024547602.1 BCIN|XP\_024550409.1 FGRM|XP\_011322078.1 MGRA|XP\_003854698.1 SSCL|APA09142.1 SSCL|APA11106.1

>Orthogroup8040: ANID|CBF75425.1 CFRU|XP\_031880400.1 CGLO|KAF3807242.1 CHIG|XP\_018156915.1 CVIN|KAF4928175.1 CVYL|A10722 FGRM|XP\_011324433.1 MORY|QBZ59076.1

>Orthogroup8041: ANID|CBF75490.1 CFRU|XP\_031890522.1 CGLO|KAF3804848.1 CHIG|XP\_018164411.1 CVIN|KAF4900679.1 CVYL|A12219 FGRM|XP\_011316214.1 MORY|QBZ63623.1

>Orthogroup8042: ANID|CBF75868.1 CFRU|XP\_031879203.1 CFRU|XP\_031889421.1 CGLO|KAF3807087.1 CGLO|KAF3808726.1 CHIG|XP\_018155623.1 CVIN|KAF4929638.1 CVYL|A00934

>Orthogroup8043: ANID|CBF75890.1 ANID|CBF82973.1 CFRU|XP\_031881427.1 CGLO|KAF3805757.1 CVIN|KAF4926604.1 MORY|QBZ60007.1 NCRA|XP\_961034.2 SSCL|APA09983.1

>Orthogroup8044: ANID|CBF75974.1 CFRU|XP\_031883264.1 CGLO|KAF3801732.1 CHIG|XP\_018159247.1 CVIN|KAF4896175.1 CVIN|KAF4922914.1 CVYL|A00322 CVYL|A12969

>Orthogroup8045: ANID|CBF76131.1 BGRA|VDB83841.1 CFRU|XP\_031881784.1 CHIG|XP\_018152943.1 CHIG|XP\_018155018.1 SSCL|APA14438.1 SSCL|APA14439.1 SSCL|APA14937.1

>Orthogroup8046: ANID|CBF76707.1 BCIN|XP\_024551030.1 CFRU|XP\_031892100.1 CGLO|KAF3809735.1 CHIG|XP\_018164927.1 CVIN|KAF4903856.1 CVYL|A06659 FGRM|XP\_011328403.1

>Orthogroup8047: ANID|CBF76709.1 BCIN|XP\_024551032.1 CFRU|XP\_031892103.1 CGLO|KAF3809734.1 CHIG|XP\_018164928.1 CVIN|KAF4903855.1 CVYL|A06658 FGRM|XP\_011328402.1

>Orthogroup8048: ANID|CBF76733.1 ANID|CBF79937.1 CFRU|XP\_031884237.1 CHIG|XP\_018153140.1 CVIN|KAF4915271.1 CVYL|A09736 FGRM|XP\_011321695.1 FGRM|XP\_011323533.1

>Orthogroup8049: ANID|CBF76928.1 MLAR|XP\_007407537.1 MLAR|XP\_007410051.1 MLAR|XP\_007412856.1 MLAR|XP\_007412992.1 MLAR|XP\_007415366.1 MLAR|XP\_007415461.1 MLAR|XP\_007416089.1

>Orthogroup8050: ANID|CBF77156.1 ANID|CBF86820.1 CFRU|XP\_031889146.1 CFRU|XP\_031890686.1 CGLO|KAF3797681.1 CVIN|KAF4919374.1 CVYL|A01089 FGRM|XP\_011322315.1

>Orthogroup8051: ANID|CBF78011.1 BCIN|XP\_024550883.1 CFRU|XP\_031879584.1 CGLO|KAF3802688.1 CHIG|XP\_018151477.1 FGRM|XP\_011327326.1 NCRA|XP\_960004.2 SSCL|APA11810.1

>Orthogroup8052: ANID|CBF78052.1 CFRU|XP\_031883077.1 CGLO|KAF3800757.1 CHIG|XP\_018163325.1 CVIN|KAF4919628.1 CVYL|A00448 FGRM|XP\_011318245.1 MORY|QBZ54911.1

>Orthogroup8053: ANID|CBF78238.1 BCIN|XP\_024546812.1 CFRU|XP\_031881013.1 CGLO|KAF3800431.1 CHIG|XP\_018159822.1 CVIN|KAF4901304.1 CVYL|A01821 SSCL|APA06078.1

>Orthogroup8054: ANID|CBF78328.1 CFRU|XP\_031881372.1 CGLO|KAF3805825.1 CHIG|XP\_018157077.1 CVIN|KAF4920931.1 CVYL|A05997 FGRM|XP\_011322529.1 MORY|QBZ60482.1

>Orthogroup8055: ANID|CBF78367.1 CFRU|XP\_031888217.1 CGLO|KAF3803663.1 CHIG|XP\_018163798.1 CVIN|KAF4928486.1 CVYL|A14595 FGRM|XP\_011320441.1 MORY|QBZ61124.1

>Orthogroup8056: ANID|CBF78499.1 BCIN|XP\_001548734.1 CFRU|XP\_031883648.1 CGLO|KAF3811926.1 CVIN|KAF4908662.1 CVYL|A06138 FGRM|XP\_011317632.1 SSCL|APA10842.1

>Orthogroup8057: ANID|CBF78881.1 CFRU|XP\_031891104.1 CGLO|KAF3801480.1 CVIN|KAF4916379.1 CVYL|A12650 FGRM|XP\_011322515.1 MGRA|XP\_003856624.1 MORY|QBZ60395.1

>Orthogroup8058: ANID|CBF79171.1 CFRU|XP\_031891989.1 CGLO|KAF3800090.1 CVIN|KAF4892847.1 CVYL|A06784 MGRA|XP\_003854306.1 MLAR|XP\_007409737.1 NCRA|XP\_956352.2

>Orthogroup8059: ANID|CBF79244.1 BCIN|XP\_024551418.1 CFRU|XP\_031891392.1 CGLO|KAF3804597.1 CGLO|KAF3804598.1 CVIN|KAF4891284.1 CVYL|A05281 FGRM|XP\_011319659.1

>Orthogroup8060: ANID|CBF79572.1 BCIN|XP\_001547166.1 BCIN|XP\_001550386.1 CHIG|XP\_018156916.1 FGRM|XP\_011328648.1 MGRA|XP\_003847538.1 SSCL|APA10073.1 SSCL|APA13429.1

>Orthogroup8061: ANID|CBF79670.1 ANID|CBF82193.1 CFRU|XP\_031881419.1 CGLO|KAF3805727.1 CVIN|KAF4926583.1 FGRM|XP\_011317598.1 FGRM|XP\_011320894.1 MGRA|XP\_003849843.1

>Orthogroup8062: ANID|CBF79753.1 ANID|CBF83938.1 BCIN|XP\_001553449.2 BCIN|XP\_024549316.1 FGRM|XP\_011321907.1 MGRA|XP\_003848321.1 SSCL|APA08937.1 SSCL|APA10900.1

>Orthogroup8063: ANID|CBF79774.1 CFRU|XP\_031889381.1 CFRU|XP\_031889907.1 CGLO|KAF3805950.1 CHIG|XP\_018155656.1 CVIN|KAF4906981.1 CVYL|A00907 FGRM|XP\_011326122.1

>Orthogroup8064: ANID|CBF79811.1 ANID|CBF80720.1 CFRU|XP\_031889803.1 CGLO|KAF3805882.1 CHIG|XP\_018159940.1 CVIN|KAF4920790.1 CVYL|A13831 MGRA|XP\_003853433.1

>Orthogroup8065: ANID|CBF79978.1 BCIN|XP\_001560812.1 CFRU|XP\_031877749.1 CHIG|XP\_018162395.1 MGRA|XP\_003850129.1 MORY|QBZ62830.1 NCRA|XP\_957235.3 SSCL|APA08046.1

>Orthogroup8066: ANID|CBF80005.1 BCIN|XP\_001560877.1 FGRM|XP\_011324098.1 MGRA|XP\_003850122.1 MLAR|XP\_007411478.1 MLAR|XP\_007415955.1 NCRA|XP\_957126.2 SSCL|APA08087.1

>Orthogroup8067: ANID|CBF80099.1 CFRU|XP\_031884449.1 CGLO|KAF3799770.1 CHIG|XP\_018158232.1 CVIN|KAF4918977.1 CVYL|A11325 FGRM|XP\_011325627.1 MGRA|XP\_003849767.1

>Orthogroup8068: ANID|CBF80104.1 CFRU|XP\_031881225.1 CGLO|KAF3802489.1 CHIG|XP\_018154792.1 CVIN|KAF4918987.1 CVYL|A02081 FGRM|XP\_011322831.1 MORY|QBZ66469.1

>Orthogroup8069: ANID|CBF80402.1 CFRU|XP\_031883580.1 CGLO|KAF3800212.1 CHIG|XP\_018155127.1 CVIN|KAF4920408.1 CVYL|A06074 FGRM|XP\_011320579.1 MORY|QBZ60270.1

>Orthogroup8070: ANID|CBF80552.1 ANID|CBF82894.1 BCIN|XP\_001553252.1 BCIN|XP\_024553934.1 CHIG|XP\_018151608.1 FGRM|XP\_011325248.1 SSCL|APA11310.1 SSCL|APA12061.1

>Orthogroup8071: ANID|CBF80610.1 ANID|CBF87522.1 CFRU|XP\_031885376.1 CGLO|KAF3799491.1 CVIN|KAF4931880.1 CVYL|A13351 MORY|QBZ63954.1 SSCL|APA11914.1

>Orthogroup8072: ANID|CBF80622.1 CFRU|XP\_031892173.1 CGLO|KAF3801321.1 CVIN|KAF4910737.1 CVYL|A07766 FGRM|XP\_011321965.1 MORY|QBZ64094.1 MORY|QBZ66212.1

>Orthogroup8073: ANID|CBF80703.1 CFRU|XP\_031889817.1 CGLO|KAF3805863.1 CHIG|XP\_018153306.1 CHIG|XP\_018158297.1 CVIN|KAF4907185.1 CVYL|A13850 NCRA|XP\_961575.1

>Orthogroup8074: ANID|CBF80753.1 CFRU|XP\_031878997.1 CGLO|KAF3807918.1 CHIG|XP\_018163060.1 CVIN|KAF4915253.1 CVYL|A00701 FGRM|XP\_011327340.1 MORY|QBZ63064.1

>Orthogroup8075: ANID|CBF80766.1 BCIN|XP\_024551702.1 CFRU|XP\_031880915.1 CGLO|KAF3806994.1 CHIG|XP\_018163509.1 CVIN|KAF4918795.1 CVYL|A06289 FGRM|XP\_011317439.1

>Orthogroup8076: ANID|CBF80785.1 CFRU|XP\_031888948.1 CGLO|KAF3804165.1 CHIG|XP\_018159996.1 CVIN|KAF4918396.1 CVYL|A03837 FGRM|XP\_011326673.1 MORY|QBZ65240.1

>Orthogroup8077: ANID|CBF81063.1 CFRU|XP\_031886765.1 CGLO|KAF3804106.1 CHIG|XP\_018162647.1 CVIN|KAF4932131.1 CVYL|A07071 FGRM|XP\_011326716.1 MORY|QBZ55632.1

>Orthogroup8078: ANID|CBF81365.1 ANID|CBF86669.1 ANID|CBF89388.1 BCIN|XP\_001553075.1 CFRU|XP\_031881465.1 CGLO|KAF3800914.1 FGRM|XP\_011322528.1 SSCL|APA11256.1

>Orthogroup8079: ANID|CBF81389.1 CFRU|XP\_031876470.1 CGLO|KAF3798015.1 CHIG|XP\_018158078.1 CVIN|KAF4915625.1 CVYL|A08342 MGRA|XP\_003851434.1 MGRA|XP\_003853679.1

>Orthogroup8080: ANID|CBF81506.1 CFRU|XP\_031875695.1 CGLO|KAF3798113.1 CVIN|KAF4927997.1 CVYL|A08246 FGRM|XP\_011321594.1 FGRM|XP\_011321850.1 MORY|QBZ57890.1

>Orthogroup8081: ANID|CBF81696.1 CFRU|XP\_031881366.1 CGLO|KAF3805827.1 CHIG|XP\_018153189.1 CVIN|KAF4920929.1 CVYL|A05995 FGRM|XP\_011321373.1 MGRA|XP\_003855350.1

>Orthogroup8082: ANID|CBF81714.1 BCIN|XP\_024546421.1 BCIN|XP\_024548226.1 FGRM|XP\_011322422.1 FGRM|XP\_011327295.1 NCRA|XP\_959571.3 SSCL|APA07165.1 SSCL|APA12477.1

>Orthogroup8083: ANID|CBF81862.1 BCIN|XP\_024552362.1 CFRU|XP\_031886373.1 CGLO|KAF3806241.1 CHIG|XP\_018162078.1 CVIN|KAF4931533.1 CVYL|A11830 SSCL|APA13234.1

>Orthogroup8084: ANID|CBF82124.1 ANID|CBF82416.1 BCIN|XP\_001558088.1 CFRU|XP\_031888856.1 CGLO|KAF3804261.1 CVIN|KAF4909071.1 CVYL|A03943 SSCL|APA12944.1

>Orthogroup8085: ANID|CBF82136.1 BCIN|XP\_024549223.1 CFRU|XP\_031883914.1 CHIG|XP\_018163547.1 CVIN|KAF4905675.1 FGRM|XP\_011327594.1 MORY|QBZ63272.1 SSCL|APA08991.1

>Orthogroup8086: ANID|CBF82169.1 ANID|CBF88756.1 CFRU|XP\_031889774.1 CGLO|KAF3810432.1 CHIG|XP\_018159181.1 CVIN|KAF4924641.1 CVYL|A13756 MGRA|XP\_003854340.1

>Orthogroup8087: ANID|CBF82209.1 FGRM|XP\_011325324.1 MORY|QBZ56196.1 MORY|QBZ58203.1 MORY|QBZ61744.1 MORY|QBZ61811.1 NCRA|XP\_956228.1 NCRA|XP\_958358.1

>Orthogroup8088: ANID|CBF82265.1 CFRU|XP\_031891775.1 CGLO|KAF3801399.1 CHIG|XP\_018153987.1 CHIG|XP\_018156556.1 CVIN|KAF4922325.1 CVYL|A07683 SSCL|APA11300.1

>Orthogroup8089: ANID|CBF82283.1 BCIN|XP\_024546764.1 CFRU|XP\_031884128.1 CGLO|KAF3799979.1 CHIG|XP\_018161716.1 CVIN|KAF4926922.1 FGRM|XP\_011317513.1 MORY|QBZ63372.1

>Orthogroup8090: ANID|CBF82311.1 CFRU|XP\_031893366.1 CGLO|KAF3809680.1 CHIG|XP\_018152504.1 CVIN|KAF4924997.1 CVYL|A09591 MGRA|XP\_003848483.1 MGRA|XP\_003850145.1

>Orthogroup8091: ANID|CBF82320.1 BCIN|XP\_001546020.1 BCIN|XP\_001552328.1 BGRA|VDB88368.1 FGRM|XP\_011324080.1 MGRA|XP\_003851915.1 MORY|QBZ61397.1 SSCL|APA11164.1

>Orthogroup8092: ANID|CBF82326.1 BCIN|XP\_024552959.1 CFRU|XP\_031889919.1 CHIG|XP\_018158936.1 CVIN|KAF4911884.1 CVYL|A13770 FGRM|XP\_011325154.1 MORY|QBZ65188.1

>Orthogroup8093: ANID|CBF82356.1 CFRU|XP\_031877952.1 CGLO|KAF3810925.1 CHIG|XP\_018154914.1 CVIN|KAF4909513.1 CVYL|A02220 MGRA|XP\_003849021.1 NCRA|XP\_963272.1

>Orthogroup8094: ANID|CBF82412.1 CFRU|XP\_031884190.1 CGLO|KAF3811028.1 CHIG|XP\_018153002.1 CVIN|KAF4918151.1 CVYL|A09760 MGRA|XP\_003852834.1 NCRA|XP\_958392.1

>Orthogroup8095: ANID|CBF82907.1 BCIN|XP\_001551667.1 BCIN|XP\_024550977.1 CFRU|XP\_031879165.1 CFRU|XP\_031885720.1 CGLO|KAF3810037.1 CVIN|KAF4917948.1 CVYL|A02619

>Orthogroup8096: ANID|CBF82920.1 CHIG|XP\_018157723.1 FGRM|XP\_011322332.1 FGRM|XP\_011325719.1 FGRM|XP\_011327605.1 MORY|QBZ53561.1 MORY|QBZ62920.1 NCRA|XP\_959764.2

>Orthogroup8097: ANID|CBF83442.1 BCIN|XP\_001554295.1 BCIN|XP\_024547171.1 MGRA|XP\_003851397.1 MLAR|XP\_007407645.1 NCRA|XP\_964162.3 SSCL|APA14062.1 SSCL|APA14384.1

>Orthogroup8098: ANID|CBF83573.1 BCIN|XP\_001552323.1 CFRU|XP\_031883392.1 CGLO|KAF3800531.1 CHIG|XP\_018152155.1 CVIN|KAF4919251.1 CVYL|A13184 SSCL|APA11160.1

>Orthogroup8099: ANID|CBF83589.1 CFRU|XP\_031892758.1 CGLO|KAF3797200.1 CHIG|XP\_018157317.1 CVIN|KAF4920820.1 CVYL|A10498 MORY|QBZ64044.1 NCRA|XP\_965425.2

>Orthogroup8100: ANID|CBF83909.1 CFRU|XP\_031880460.1 CGLO|KAF3807275.1 CHIG|XP\_018156951.1 CVIN|KAF4928137.1 CVYL|A10758 FGRM|XP\_011318157.1 MORY|QBZ53800.1

>Orthogroup8101: ANID|CBF83955.1 CFRU|XP\_031878996.1 CGLO|KAF3807867.1 CHIG|XP\_018153300.1 CVIN|KAF4922626.1 CVYL|A00745 FGRM|XP\_011322429.1 MORY|QBZ65345.1

>Orthogroup8102: ANID|CBF83980.1 CFRU|XP\_031883803.1 CGLO|KAF3805677.1 CHIG|XP\_018163564.1 CVIN|KAF4920670.1 CVYL|A09873 FGRM|XP\_011325304.1 MGRA|XP\_003848239.1

>Orthogroup8103: ANID|CBF84008.1 CFRU|XP\_031881894.1 CGLO|KAF3797837.1 CHIG|XP\_018151839.1 CVYL|A11541 MORY|QBZ55440.1 MORY|QBZ60679.1 MORY|QBZ64905.1

>Orthogroup8104: ANID|CBF84017.1 ANID|CBF86816.1 BCIN|XP\_024552341.1 CFRU|XP\_031879892.1 CHIG|XP\_018152948.1 CVIN|KAF4905170.1 CVYL|A07966 SSCL|APA13176.1

>Orthogroup8105: ANID|CBF84030.1 BCIN|XP\_024547774.1 CFRU|XP\_031887949.1 CGLO|KAF3797593.1 CGLO|KAF3797594.1 CVIN|KAF4899215.1 CVYL|A03397 SSCL|APA12926.1

>Orthogroup8106: ANID|CBF84069.1 CFRU|XP\_031877666.1 CGLO|KAF3796982.1 CHIG|XP\_018153704.1 CVIN|KAF4912155.1 CVYL|A00201 MORY|QBZ60534.1 NCRA|XP\_959434.2

>Orthogroup8107: ANID|CBF84193.1 BCIN|XP\_001555204.1 CFRU|XP\_031893350.1 CGLO|KAF3809664.1 CGLO|KAF3811783.1 CVIN|KAF4907639.1 CVIN|KAF4925052.1 CVYL|A08385

>Orthogroup8108: ANID|CBF84245.1 CFRU|XP\_031891183.1 CGLO|KAF3804742.1 CHIG|XP\_018161826.1 CVIN|KAF4903559.1 CVYL|A05378 MGRA|XP\_003854249.1 SSCL|APA13195.1

>Orthogroup8109: ANID|CBF84285.1 BCIN|XP\_024548290.1 BCIN|XP\_024550548.1 MGRA|XP\_003847410.1 MORY|QBZ59518.1 SSCL|APA11341.1 SSCL|APA11421.1 SSCL|APA12538.1

>Orthogroup8110: ANID|CBF84306.1 CFRU|XP\_031892534.1 CGLO|KAF3797055.1 CHIG|XP\_018157043.1 CVIN|KAF4908003.1 CVYL|A10649 FGRM|XP\_011325995.1 MGRA|XP\_003852836.1

>Orthogroup8111: ANID|CBF84307.1 BCIN|XP\_024549000.1 BCIN|XP\_024551047.1 CHIG|XP\_018157692.1 FGRM|XP\_011322913.1 FGRM|XP\_011325172.1 MGRA|XP\_003848439.1 SSCL|APA11980.1

>Orthogroup8112: ANID|CBF84395.1 CFRU|XP\_031887198.1 CGLO|KAF3809363.1 CHIG|XP\_018156219.1 CVIN|KAF4892657.1 CVIN|KAF4930627.1 CVYL|A01572 FGRM|XP\_011318853.1

>Orthogroup8113: ANID|CBF84585.1 CFRU|XP\_031875571.1 CGLO|KAF3801800.1 CHIG|XP\_018159295.1 CVIN|KAF4916967.1 CVYL|A12908 FGRM|XP\_011321632.1 NCRA|XP\_963579.1

>Orthogroup8114: ANID|CBF84596.1 ANID|CBF87701.1 BCIN|XP\_001547693.1 CFRU|XP\_031889142.1 CGLO|KAF3803130.1 CVYL|A01019 FGRM|XP\_011328680.1 MLAR|XP\_007411713.1

>Orthogroup8115: ANID|CBF84632.1 CFRU|XP\_031881310.1 CGLO|KAF3810984.1 CHIG|XP\_018154858.1 CVIN|KAF4921866.1 CVYL|A02168 FGRM|XP\_011318148.1 MORY|QBZ63014.1

>Orthogroup8116: ANID|CBF84649.1 ANID|CBF85275.1 ANID|CBF86785.1 CFRU|XP\_031892533.1 CGLO|KAF3797054.1 CVIN|KAF4908004.1 CVYL|A08675 CVYL|A10650

>Orthogroup8117: ANID|CBF84677.1 CFRU|XP\_031891901.1 CGLO|KAF3809705.1 CHIG|XP\_018164912.1 CVYL|A06628 FGRM|XP\_011318147.1 MORY|QBZ65298.1 NCRA|XP\_965562.1

>Orthogroup8118: ANID|CBF84915.1 CFRU|XP\_031877909.1 CGLO|KAF3810964.1 CHIG|XP\_018154902.1 CVIN|KAF4907241.1 CVYL|A02185 FGRM|XP\_011323698.1 NCRA|XP\_965176.1

>Orthogroup8119: ANID|CBF85030.1 BCIN|XP\_001553721.2 CFRU|XP\_031892724.1 CHIG|XP\_018153454.1 MGRA|XP\_003857115.1 MORY|QBZ55262.1 NCRA|XP\_011393430.1 SSCL|APA13492.1

>Orthogroup8120: ANID|CBF85048.1 BCIN|XP\_024548823.1 BGRA|VDB84088.1 CHIG|XP\_018158591.1 FGRM|XP\_011328410.1 MGRA|XP\_003852569.1 NCRA|XP\_965710.2 SSCL|APA09621.1

>Orthogroup8121: ANID|CBF85221.1 CFRU|XP\_031876522.1 CGLO|KAF3802954.1 CHIG|XP\_018153662.1 CVIN|KAF4929946.1 CVYL|A00385 FGRM|XP\_011317077.1 MORY|QBZ63839.1

>Orthogroup8122: ANID|CBF85225.1 CFRU|XP\_031884119.1 CGLO|KAF3811035.1 CHIG|XP\_018153010.1 CVIN|KAF4926892.1 CVYL|A09766 MGRA|XP\_003856562.1 NCRA|XP\_965096.1

>Orthogroup8123: ANID|CBF85277.1 CFRU|XP\_031879264.1 CHIG|XP\_018159696.1 CVIN|KAF4920279.1 CVYL|A06346 FGRM|XP\_011315677.1 MORY|QBZ65485.1 NCRA|XP\_961763.3

>Orthogroup8124: ANID|CBF85400.1 BCIN|XP\_024549092.1 CGLO|KAF3799173.1 CHIG|XP\_018151667.1 CHIG|XP\_018160055.1 CHIG|XP\_018163480.1 MGRA|XP\_003851238.1 SSCL|APA15909.1

>Orthogroup8125: ANID|CBF85462.1 CFRU|XP\_031891947.1 CGLO|KAF3809693.1 CVIN|KAF4921940.1 CVYL|A06612 MGRA|XP\_003855853.1 NCRA|XP\_963703.2 SSCL|APA12758.1

>Orthogroup8126: ANID|CBF85518.1 MGRA|XP\_003846855.1 MGRA|XP\_003846902.1 MGRA|XP\_003855080.1 MGRA|XP\_003855227.1 MGRA|XP\_003855228.1 MGRA|XP\_003855236.1 MGRA|XP\_003855322.1

>Orthogroup8127: ANID|CBF85600.1 CFRU|XP\_031880107.1 CFRU|XP\_031882694.1 CGLO|KAF3797737.1 CGLO|KAF3803876.1 CVIN|KAF4917531.1 CVIN|KAF4925424.1 CVYL|A08924

>Orthogroup8128: ANID|CBF85633.1 BCIN|XP\_001551241.2 CFRU|XP\_031890271.1 CGLO|KAF3798767.1 CVIN|KAF4912767.1 CVYL|A09155 FGRM|XP\_011325117.1 MGRA|XP\_003850363.1

>Orthogroup8129: ANID|CBF86210.1 BCIN|XP\_001556090.1 CFRU|XP\_031881650.1 CGLO|KAF3805361.1 CHIG|XP\_018156750.1 CVIN|KAF4907222.1 CVYL|A11010 SSCL|APA13984.1

>Orthogroup8130: ANID|CBF86227.1 BCIN|XP\_024549459.1 CFRU|XP\_031883702.1 CGLO|KAF3800198.1 CHIG|XP\_018155107.1 CVIN|KAF4920432.1 CVYL|A06089 FGRM|XP\_011327716.1

>Orthogroup8131: ANID|CBF86406.1 BCIN|XP\_001548267.1 BCIN|XP\_024553859.1 FGRM|XP\_011319526.1 MLAR|XP\_007405541.1 NCRA|XP\_963190.2 SSCL|APA09924.1 SSCL|APA15221.1

>Orthogroup8132: ANID|CBF86826.1 CFRU|XP\_031875906.1 CGLO|KAF3807809.1 CHIG|XP\_018155347.1 CVIN|KAF4921508.1 CVYL|A00794 FGRM|XP\_011325419.1 MORY|QBZ58266.1

>Orthogroup8133: ANID|CBF86991.1 CFRU|XP\_031880282.1 CGLO|KAF3808950.1 CHIG|XP\_018155808.1 CVIN|KAF4920764.1 CVYL|A01145 FGRM|XP\_011315741.1 FGRM|XP\_011322043.1

>Orthogroup8134: ANID|CBF87113.1 CFRU|XP\_031880138.1 CGLO|KAF3797727.1 CHIG|XP\_018160571.1 CVIN|KAF4917556.1 CVYL|A11423 FGRM|XP\_011321835.1 MLAR|XP\_007411217.1

>Orthogroup8135: ANID|CBF87341.1 CFRU|XP\_031879294.1 CGLO|KAF3808575.1 CHIG|XP\_018156646.1 CHIG|XP\_018161910.1 CVIN|KAF4905057.1 CVYL|A11570 FGRM|XP\_011322408.1

>Orthogroup8136: ANID|CBF87411.1 CFRU|XP\_031891658.1 CGLO|KAF3809716.1 CHIG|XP\_018164918.1 CVIN|KAF4921969.1 CVYL|A06639 MGRA|XP\_003849006.1 MORY|QBZ58375.1

>Orthogroup8137: ANID|CBF87493.1 BCIN|XP\_024553439.1 CFRU|XP\_031883360.1 CGLO|KAF3800548.1 CHIG|XP\_018152127.1 CVIN|KAF4923801.1 CVYL|A13169 FGRM|XP\_011315961.1

>Orthogroup8138: ANID|CBF87748.1 CFRU|XP\_031883531.1 CGLO|KAF3811951.1 CHIG|XP\_018155137.1 CVIN|KAF4905818.1 CVYL|A06113 FGRM|XP\_011327772.1 MORY|QBZ61727.1

>Orthogroup8139: ANID|CBF88487.1 CFRU|XP\_031878477.1 CGLO|KAF3799814.1 CHIG|XP\_018153865.1 CVIN|KAF4907989.1 CVYL|A09695 FGRM|XP\_011316527.1 MGRA|XP\_003856398.1

>Orthogroup8140: ANID|CBF88509.1 BCIN|XP\_024551365.1 CFRU|XP\_031893472.1 FGRM|XP\_011317712.1 MGRA|XP\_003849232.1 MORY|QBZ54472.1 NCRA|XP\_961480.1 SSCL|APA10485.1

>Orthogroup8141: ANID|CBF88657.1 CFRU|XP\_031889143.1 CGLO|KAF3797673.1 CHIG|XP\_018155446.1 CVIN|KAF4919393.1 CVYL|A01097 MORY|QBZ61735.1 NCRA|XP\_962108.2

>Orthogroup8142: ANID|CBF88782.1 CFRU|XP\_031877058.1 CGLO|KAF3811090.1 CHIG|XP\_018152974.1 CVIN|KAF4911081.1 CVYL|A09704 FGRM|XP\_011327750.1 MORY|QBZ61169.1

>Orthogroup8143: ANID|CBF88792.1 BCIN|XP\_024547477.1 CFRU|XP\_031878742.1 CGLO|KAF3798323.1 CHIG|XP\_018151151.1 CVIN|KAF4920340.1 CVYL|A09045 MGRA|XP\_003854905.1

>Orthogroup8144: ANID|CBF88858.1 CFRU|XP\_031883966.1 CGLO|KAF3804974.1 CVIN|KAF4927073.1 CVYL|A09798 FGRM|XP\_011325126.1 FGRM|XP\_011325790.1 SSCL|APA08834.1

>Orthogroup8145: ANID|CBF88951.1 BCIN|XP\_024552654.1 BGRA|VDB88284.1 CFRU|XP\_031882666.1 CHIG|XP\_018152229.1 MORY|QBZ60999.1 NCRA|XP\_956012.1 SSCL|APA15571.1

>Orthogroup8146: ANID|CBF89175.1 CFRU|XP\_031877936.1 CGLO|KAF3810897.1 CHIG|XP\_018154944.1 CVIN|KAF4916352.1 CVYL|A02247 FGRM|XP\_011320053.1 FGRM|XP\_011324634.1

>Orthogroup8147: ANID|CBF89177.1 CFRU|XP\_031877901.1 CGLO|KAF3810898.1 CHIG|XP\_018154945.1 CVIN|KAF4916353.1 CVYL|A02246 FGRM|XP\_011320054.1 FGRM|XP\_011324633.1

>Orthogroup8148: ANID|CBF89559.1 CFRU|XP\_031889291.1 CGLO|KAF3808709.1 CHIG|XP\_018155570.1 CVIN|KAF4929627.1 CVYL|A00971 FGRM|XP\_011321040.1 MGRA|XP\_003851143.1

>Orthogroup8149: ANID|CBF89659.1 BCIN|XP\_024546572.1 CGLO|KAF3811113.1 CHIG|XP\_018152935.1 CHIG|XP\_018152936.1 FGRM|XP\_011328007.1 MGRA|XP\_003857129.1 SSCL|APA06498.1

>Orthogroup8150: ANID|CBF89826.1 BCIN|XP\_001550019.1 FGRM|XP\_011323902.1 MGRA|XP\_003848719.1 MLAR|XP\_007414419.1 MORY|QBZ61498.1 NCRA|XP\_957786.1 SSCL|APA10488.1

>Orthogroup8151: ANID|CBF89943.1 CFRU|XP\_031879330.1 CGLO|KAF3804024.1 CGLO|KAF3808660.1 CHIG|XP\_018161860.1 CVIN|KAF4926122.1 CVYL|A05775 CVYL|A11822

>Orthogroup8152: ANID|CBF89945.1 CFRU|XP\_031879570.1 CGLO|KAF3802707.1 CHIG|XP\_018151492.1 CVYL|A08033 FGRM|XP\_011327267.1 MORY|QBZ56874.1 NCRA|XP\_959610.2

>Orthogroup8153: ANID|CBF90337.1 CFRU|XP\_031885418.1 CGLO|KAF3806495.1 CHIG|XP\_018157531.1 CVIN|KAF4919442.1 FGRM|XP\_011327531.1 FGRM|XP\_011328140.1 SSCL|APA16026.1

>Orthogroup8154: BCIN|XP\_024545970.1 CFRU|XP\_031879890.1 CGLO|KAF3798949.1 CVIN|KAF4923508.1 CVYL|A07865 NCRA|XP\_959218.1 SSCL|APA07415.1 SSCL|APA07416.1

>Orthogroup8155: BCIN|XP\_001555589.1 CFRU|XP\_031882653.1 CGLO|KAF3803880.1 CHIG|XP\_018163719.1 CVIN|KAF4925456.1 CVYL|A08920 FGRM|XP\_011322362.1 SSCL|APA07447.1

>Orthogroup8156: BCIN|XP\_024546126.1 CFRU|XP\_031879893.1 CGLO|KAF3798956.1 CHIG|XP\_018152856.1 CVIN|KAF4923506.1 CVYL|A07873 MORY|QBZ61833.1 SSCL|APA06652.1

>Orthogroup8157: BCIN|XP\_001548374.1 BCIN|XP\_001550618.2 BCIN|XP\_024553172.1 CFRU|XP\_031893555.1 CGLO|KAF3809533.1 CVIN|KAF4918557.1 CVYL|A08488 SSCL|APA06958.1

>Orthogroup8158: BCIN|XP\_001561226.1 CHIG|XP\_018152528.1 FGRM|XP\_011318065.1 MGRA|XP\_003848023.1 MGRA|XP\_003851292.1 MORY|QBZ65673.1 MORY|QBZ65674.1 SSCL|APA07182.1

>Orthogroup8159: BCIN|XP\_024546623.1 CFRU|XP\_031879472.1 CGLO|KAF3799644.1 CHIG|XP\_018154654.1 CVIN|KAF4926474.1 CVYL|A13507 FGRM|XP\_011321230.1 SSCL|APA06454.1

>Orthogroup8160: BCIN|XP\_024546676.1 CFRU|XP\_031890570.1 CHIG|XP\_018164368.1 CVIN|KAF4921163.1 CVYL|A12167 FGRM|XP\_011317157.1 NCRA|XP\_963924.1 SSCL|APA06519.1

>Orthogroup8161: BCIN|XP\_024546725.1 CFRU|XP\_031891534.1 CGLO|KAF3804697.1 CHIG|XP\_018161767.1 CVIN|KAF4923383.1 CVYL|A05188 MORY|QBZ59627.1 SSCL|APA06830.1

>Orthogroup8162: BCIN|XP\_001547543.2 BCIN|XP\_001552470.2 BCIN|XP\_001552474.2 BCIN|XP\_001552476.2 BCIN|XP\_024546769.1 BCIN|XP\_024546771.1 BCIN|XP\_024551544.1 SSCL|APA15168.1

>Orthogroup8163: BCIN|XP\_001551668.1 BCIN|XP\_024546873.1 BCIN|XP\_024548116.1 BCIN|XP\_024553664.1 CGLO|KAF3799067.1 FGRM|XP\_011317554.1 NCRA|XP\_956647.2 SSCL|APA15046.1

>Orthogroup8164: BCIN|XP\_001559009.1 CFRU|XP\_031884309.1 CGLO|KAF3800008.1 CHIG|XP\_018153046.1 CVIN|KAF4926863.1 CVYL|A10223 NCRA|XP\_964550.1 SSCL|APA05863.1

>Orthogroup8165: BCIN|XP\_024546882.1 CFRU|XP\_031876447.1 CGLO|KAF3801949.1 CHIG|XP\_018159860.1 CVIN|KAF4919782.1 CVYL|A02384 MGRA|XP\_003853177.1 SSCL|APA05861.1

>Orthogroup8166: BCIN|XP\_024546934.1 CFRU|XP\_031890763.1 CGLO|KAF3801524.1 CHIG|XP\_018151942.1 CVIN|KAF4898139.1 CVYL|A12611 MGRA|XP\_003853657.1 MORY|QBZ66313.1

>Orthogroup8167: BCIN|XP\_001552896.1 CFRU|XP\_031878474.1 CGLO|KAF3799812.1 CHIG|XP\_018151324.1 CVIN|KAF4907998.1 CVYL|A09697 MORY|QBZ64452.1 SSCL|APA06157.1

>Orthogroup8168: BCIN|XP\_024547190.1 CFRU|XP\_031877646.1 CHIG|XP\_018153732.1 FGRM|XP\_011327803.1 MGRA|XP\_003848382.1 MORY|QBZ60608.1 NCRA|XP\_959793.2 SSCL|APA14107.1

>Orthogroup8169: BCIN|XP\_024547297.1 CHIG|XP\_018151782.1 CHIG|XP\_018151783.1 CHIG|XP\_018153996.1 CHIG|XP\_018154002.1 CVYL|A00604 FGRM|XP\_011326764.1 MGRA|XP\_003851924.1

>Orthogroup8170: BCIN|XP\_001549888.1 BCIN|XP\_001554291.1 CFRU|XP\_031885168.1 CGLO|KAF3800366.1 CVIN|KAF4927792.1 CVYL|A07708 NCRA|XP\_958394.3 SSCL|APA08226.1

>Orthogroup8171: BCIN|XP\_024547459.1 CFRU|XP\_031884024.1 CGLO|KAF3805163.1 CHIG|XP\_018163351.1 CVIN|KAF4927488.1 CVYL|A06587 FGRM|XP\_011322646.1 MORY|QBZ53682.1

>Orthogroup8172: BCIN|XP\_024547485.1 CFRU|XP\_031878913.1 CGLO|KAF3807862.1 CVYL|A00748 FGRM|XP\_011322099.1 MGRA|XP\_003848431.1 MORY|QBZ59371.1 SSCL|APA07661.1

>Orthogroup8173: BCIN|XP\_001559352.1 BCIN|XP\_024550287.1 CFRU|XP\_031891972.1 CGLO|KAF3801250.1 CHIG|XP\_018164868.1 CVIN|KAF4921930.1 CVYL|A06599 SSCL|APA07716.1

>Orthogroup8174: BCIN|XP\_001554979.2 CFRU|XP\_031885062.1 CGLO|KAF3807659.1 CHIG|XP\_018162882.1 CVIN|KAF4927778.1 CVYL|A06709 MORY|QBZ59452.1 SSCL|APA07759.1

>Orthogroup8175: BCIN|XP\_024547637.1 CFRU|XP\_031885063.1 CGLO|KAF3807658.1 CHIG|XP\_018162881.1 CVIN|KAF4927753.1 CVYL|A06697 MORY|QBZ59451.1 SSCL|APA07761.1

>Orthogroup8176: BCIN|XP\_024547882.1 CFRU|XP\_031886922.1 CGLO|KAF3811271.1 CHIG|XP\_018160494.1 CVIN|KAF4927258.1 CVYL|A04463 MORY|QBZ64493.1 SSCL|APA08204.1

>Orthogroup8177: BCIN|XP\_001549882.1 CFRU|XP\_031886979.1 CGLO|KAF3811358.1 CHIG|XP\_018160575.1 CVIN|KAF4921021.1 CVYL|A04547 MORY|QBZ57004.1 SSCL|APA08232.1

>Orthogroup8178: BCIN|XP\_001545300.1 BCIN|XP\_001553198.1 CFRU|XP\_031884966.1 CGLO|KAF3812145.1 CVIN|KAF4918728.1 CVYL|A00251 MGRA|XP\_003852072.1 SSCL|APA12744.1

>Orthogroup8179: BCIN|XP\_024548091.1 BGRA|VDB93160.1 CFRU|XP\_031887312.1 CGLO|KAF3809250.1 CHIG|XP\_018156083.1 CVIN|KAF4925338.1 CVYL|A01441 SSCL|APA12646.1

>Orthogroup8180: BCIN|XP\_024548166.1 CFRU|XP\_031889351.1 CGLO|KAF3808808.1 CHIG|XP\_018155711.1 CVIN|KAF4908021.1 CVYL|A00856 FGRM|XP\_011319260.1 SSCL|APA12415.1

>Orthogroup8181: BCIN|XP\_024548333.1 CFRU|XP\_031888871.1 CHIG|XP\_018159842.1 CVIN|KAF4893593.1 CVYL|A10125 FGRM|XP\_011328826.1 NCRA|XP\_011394789.1 SSCL|APA12585.1

>Orthogroup8182: BCIN|XP\_001545524.1 BCIN|XP\_001545525.2 BCIN|XP\_024548432.1 BCIN|XP\_024549014.1 BCIN|XP\_024549017.1 BCIN|XP\_024552161.1 BCIN|XP\_024552162.1 SSCL|APA09303.1

>Orthogroup8183: BCIN|XP\_024548465.1 BGRA|VDB93092.1 CHIG|XP\_018156336.1 FGRM|XP\_011319005.1 MLAR|XP\_007417918.1 MORY|QBZ54752.1 NCRA|XP\_961629.2 SSCL|APA12197.1

>Orthogroup8184: BCIN|XP\_001557751.1 CFRU|XP\_031881242.1 CGLO|KAF3802499.1 CHIG|XP\_018154805.1 CVIN|KAF4919005.1 CVYL|A02091 MGRA|XP\_003847929.1 SSCL|APA12189.1

>Orthogroup8185: BCIN|XP\_024548502.1 BCIN|XP\_024551423.1 CFRU|XP\_031887793.1 FGRM|XP\_011323208.1 MORY|QBZ57371.1 SSCL|APA10357.1 SSCL|APA10720.1 SSCL|APA15661.1

>Orthogroup8186: BCIN|XP\_001555168.2 BCIN|XP\_001555169.2 BCIN|XP\_024548514.1 BCIN|XP\_024548558.1 BCIN|XP\_024549481.1 BCIN|XP\_024549484.1 SSCL|APA09160.1 SSCL|APA09171.1

>Orthogroup8187: BCIN|XP\_024548644.1 CFRU|XP\_031890386.1 CGLO|KAF3806719.1 CHIG|XP\_018158695.1 CVIN|KAF4919498.1 CVYL|A14027 FGRM|XP\_011317324.1 SSCL|APA09956.1

>Orthogroup8188: BCIN|XP\_001548622.1 CFRU|XP\_031890578.1 CGLO|KAF3806733.1 CHIG|XP\_018158711.1 CVIN|KAF4919507.1 CVYL|A14044 NCRA|XP\_963770.3 SSCL|APA09652.1

>Orthogroup8189: BCIN|XP\_024548817.1 CFRU|XP\_031890298.1 CGLO|KAF3802927.1 CHIG|XP\_018158529.1 FGRM|XP\_011316569.1 MORY|QBZ63208.1 NCRA|XP\_965001.1 SSCL|APA09627.1

>Orthogroup8190: BCIN|XP\_001559762.2 CFRU|XP\_031887860.1 CFRU|XP\_031887865.1 CGLO|KAF3802173.1 CHIG|XP\_018161849.1 CVIN|KAF4900268.1 CVYL|A03217 SSCL|APA09603.1

>Orthogroup8191: BCIN|XP\_024548897.1 CFRU|XP\_031882297.1 CHIG|XP\_018160259.1 CVIN|KAF4930901.1 CVYL|A04143 MGRA|XP\_003851255.1 NCRA|XP\_011394550.1 SSCL|APA09389.1

>Orthogroup8192: BCIN|XP\_024548921.1 CFRU|XP\_031879937.1 CGLO|KAF3798987.1 CVIN|KAF4923497.1 CVYL|A07906 FGRM|XP\_011320752.1 NCRA|XP\_963419.1 SSCL|APA09585.1

>Orthogroup8193: BCIN|XP\_024548924.1 CFRU|XP\_031890623.1 CGLO|KAF3805302.1 CHIG|XP\_018158619.1 CVIN|KAF4925972.1 CVYL|A13954 FGRM|XP\_011316432.1 SSCL|APA09594.1

>Orthogroup8194: BCIN|XP\_001548100.2 CFRU|XP\_031885933.1 CGLO|KAF3805521.1 CHIG|XP\_018155378.1 CVIN|KAF4918315.1 CVYL|A05643 MORY|QBZ53802.1 NCRA|XP\_962607.2

>Orthogroup8195: BCIN|XP\_024549114.1 CFRU|XP\_031889825.1 CGLO|KAF3810452.1 CVIN|KAF4924652.1 CVYL|A13956 FGRM|XP\_011327284.1 NCRA|XP\_011395297.1 SSCL|APA08854.1

>Orthogroup8196: BCIN|XP\_001560333.2 CFRU|XP\_031891041.1 CGLO|KAF3801626.1 CHIG|XP\_018151388.1 CVIN|KAF4922702.1 FGRM|XP\_011328513.1 SSCL|APA08816.1 SSCL|APA09756.1

>Orthogroup8197: BCIN|XP\_001560408.1 BCIN|XP\_024553041.1 CFRU|XP\_031876026.1 CGLO|KAF3805250.1 CHIG|XP\_018155145.1 CVIN|KAF4918658.1 CVYL|A13897 SSCL|APA08770.1

>Orthogroup8198: BCIN|XP\_024549248.1 BGRA|VDB90737.1 CHIG|XP\_018153521.1 CVIN|KAF4919865.1 FGRM|XP\_011316110.1 MGRA|XP\_003852176.1 MORY|QBZ55585.1 SSCL|APA09014.1

>Orthogroup8199: BCIN|XP\_024549250.1 CFRU|XP\_031886037.1 CFRU|XP\_031886040.1 CGLO|KAF3806589.1 CHIG|XP\_018157629.1 CVIN|KAF4920494.1 CVYL|A09279 SSCL|APA15752.1

>Orthogroup8200: BCIN|XP\_001556116.1 CFRU|XP\_031880607.1 CGLO|KAF3811542.1 CHIG|XP\_018160802.1 CVIN|KAF4926741.1 CVYL|A04754 MORY|QBZ58889.1 SSCL|APA08889.1

>Orthogroup8201: BCIN|XP\_001549708.1 BCIN|XP\_024549327.1 CFRU|XP\_031879282.1 CGLO|KAF3808661.1 CHIG|XP\_018152970.1 CVIN|KAF4926121.1 CVYL|A11811 MGRA|XP\_003853241.1

>Orthogroup8202: BCIN|XP\_024549398.1 CFRU|XP\_031878269.1 CGLO|KAF3798040.1 CHIG|XP\_018158091.1 CVIN|KAF4927946.1 CVYL|A08319 FGRM|XP\_011323865.1 SSCL|APA09064.1

>Orthogroup8203: BCIN|XP\_024549462.1 CFRU|XP\_031889541.1 CGLO|KAF3805891.1 CHIG|XP\_018158908.1 CVIN|KAF4920775.1 CVYL|A13821 FGRM|XP\_011315917.1 MORY|QBZ57361.1

>Orthogroup8204: BCIN|XP\_001555180.1 CFRU|XP\_031884737.1 CGLO|KAF3812141.1 CHIG|XP\_018153369.1 CVIN|KAF4918757.1 CVYL|A00255 MORY|QBZ54807.1 SSCL|APA09172.1

>Orthogroup8205: BCIN|XP\_024549550.1 CFRU|XP\_031885461.1 CFRU|XP\_031891185.1 CGLO|KAF3799539.1 CHIG|XP\_018157896.1 CVIN|KAF4931820.1 CVYL|A13399 SSCL|APA13907.1

>Orthogroup8206: BCIN|XP\_024549760.1 CFRU|XP\_031887590.1 CHIG|XP\_018160918.1 CVIN|KAF4921463.1 CVYL|A03503 MORY|QBZ56605.1 NCRA|XP\_962660.1 SSCL|APA05695.1

>Orthogroup8207: BCIN|XP\_024549774.1 CFRU|XP\_031887708.1 CGLO|KAF3811646.1 CHIG|XP\_018160925.1 CVIN|KAF4921435.1 CVYL|A03506 FGRM|XP\_011323591.1 SSCL|APA05719.1

>Orthogroup8208: BCIN|XP\_024549867.1 CFRU|XP\_031890454.1 CGLO|KAF3804870.1 CHIG|XP\_018164402.1 CVIN|KAF4921165.1 CVYL|A12200 FGRM|XP\_011316817.1 NCRA|XP\_011393380.1

>Orthogroup8209: BCIN|XP\_001552170.1 CFRU|XP\_031885504.1 CHIG|XP\_018154574.1 CVIN|KAF4931747.1 FGRM|XP\_011324896.1 MORY|QBZ61063.1 NCRA|XP\_963454.2 SSCL|APA05598.1

>Orthogroup8210: BCIN|XP\_024549933.1 CFRU|XP\_031878710.1 CFRU|XP\_031889797.1 CGLO|KAF3805877.1 CHIG|XP\_018158084.1 CVIN|KAF4920783.1 CVYL|A13836 SSCL|APA05254.1

>Orthogroup8211: BCIN|XP\_001546627.1 BCIN|XP\_001549598.2 BCIN|XP\_001556585.1 SSCL|APA05313.1 SSCL|APA05314.1 SSCL|APA05319.1 SSCL|APA06259.1 SSCL|APA06341.1

>Orthogroup8212: BCIN|XP\_001554673.1 CFRU|XP\_031891323.1 CGLO|KAF3797640.1 CHIG|XP\_018157432.1 MGRA|XP\_003854985.1 MORY|QBZ58224.1 NCRA|XP\_963889.1 SSCL|APA11024.1

>Orthogroup8213: BCIN|XP\_024550367.1 CFRU|XP\_031880688.1 CGLO|KAF3809921.1 CVIN|KAF4930656.1 CVYL|A01703 FGRM|XP\_011321157.1 MGRA|XP\_003852181.1 SSCL|APA11058.1

>Orthogroup8214: BCIN|XP\_001552989.1 CFRU|XP\_031886464.1 CGLO|KAF3806184.1 CHIG|XP\_018162170.1 CVIN|KAF4931482.1 CVYL|A11772 MORY|QBZ55771.1 SSCL|APA11217.1

>Orthogroup8215: BCIN|XP\_024550564.1 CFRU|XP\_031891356.1 CGLO|KAF3804641.1 CHIG|XP\_018161726.1 CVIN|KAF4919090.1 CVYL|A05244 FGRM|XP\_011321544.1 SSCL|APA11358.1

>Orthogroup8216: BCIN|XP\_024550639.1 CFRU|XP\_031889402.1 CGLO|KAF3808779.1 CVIN|KAF4900702.1 CVYL|A00885 FGRM|XP\_011319244.1 NCRA|XP\_960605.1 SSCL|APA11461.1

>Orthogroup8217: BCIN|XP\_024550648.1 CFRU|XP\_031891345.1 CGLO|KAF3797416.1 CHIG|XP\_018157374.1 CHIG|XP\_018157376.1 CHIG|XP\_018157377.1 CVIN|KAF4929355.1 CVYL|A10261

>Orthogroup8218: BCIN|XP\_001550438.1 CFRU|XP\_031889260.1 CGLO|KAF3808847.1 CHIG|XP\_018155750.1 CVYL|A01233 FGRM|XP\_011316377.1 MORY|QBZ62237.1 NCRA|XP\_961252.2

>Orthogroup8219: BCIN|XP\_024550768.1 CFRU|XP\_031889251.1 CGLO|KAF3808720.1 CVIN|KAF4929567.1 CVYL|A00940 MORY|QBZ62020.1 NCRA|XP\_958559.1 SSCL|APA11622.1

>Orthogroup8220: BCIN|XP\_024550773.1 CFRU|XP\_031878489.1 CGLO|KAF3798594.1 CHIG|XP\_018153952.1 CVIN|KAF4930113.1 CVYL|A04851 FGRM|XP\_011325559.1 SSCL|APA11628.1

>Orthogroup8221: BCIN|XP\_001554546.1 CFRU|XP\_031887405.1 CHIG|XP\_018156090.1 FGRM|XP\_011318821.1 MGRA|XP\_003849008.1 MORY|QBZ54194.1 NCRA|XP\_961223.1 SSCL|APA11868.1

>Orthogroup8222: BCIN|XP\_024551021.1 CFRU|XP\_031887159.1 CGLO|KAF3809204.1 CHIG|XP\_018156034.1 FGRM|XP\_011318817.1 MORY|QBZ57074.1 NCRA|XP\_961331.1 SSCL|APA11934.1

>Orthogroup8223: BCIN|XP\_024551148.1 CFRU|XP\_031885377.1 CGLO|KAF3799492.1 CHIG|XP\_018157757.1 CVIN|KAF4931883.1 CVYL|A13352 SSCL|APA07874.1 SSCL|APA07875.1

>Orthogroup8224: BCIN|XP\_024551220.1 CFRU|XP\_031883490.1 CGLO|KAF3800242.1 CVIN|KAF4921792.1 CVYL|A12399 FGRM|XP\_011326227.1 MGRA|XP\_003849153.1 SSCL|APA10127.1

>Orthogroup8225: BCIN|XP\_001550005.2 CFRU|XP\_031891910.1 CGLO|KAF3809727.1 CHIG|XP\_018164905.1 CVIN|KAF4921951.1 CVYL|A06649 MGRA|XP\_003848809.1 SSCL|APA10499.1

>Orthogroup8226: BCIN|XP\_024551373.1 CFRU|XP\_031881190.1 CGLO|KAF3802445.1 CHIG|XP\_018154741.1 CVIN|KAF4913921.1 CVYL|A02035 FGRM|XP\_011322668.1 SSCL|APA10500.1

>Orthogroup8227: BCIN|XP\_024551403.1 CFRU|XP\_031883638.1 CGLO|KAF3800234.1 CHIG|XP\_018152476.1 CVIN|KAF4921774.1 CVYL|A12409 FGRM|XP\_011319697.1 FGRM|XP\_011322113.1

>Orthogroup8228: BCIN|XP\_024551408.1 CFRU|XP\_031892964.1 CGLO|KAF3808033.1 CHIG|XP\_018152348.1 CVIN|KAF4909501.1 FGRM|XP\_011317750.1 NCRA|XP\_956740.1 SSCL|APA10651.1

>Orthogroup8229: BCIN|XP\_024551412.1 CFRU|XP\_031879197.1 CGLO|KAF3807091.1 CHIG|XP\_018159748.1 CVIN|KAF4919062.1 CVYL|A06381 FGRM|XP\_011323227.1 NCRA|XP\_960559.2

>Orthogroup8230: BCIN|XP\_024551542.1 FGRM|XP\_011319383.1 FGRM|XP\_011319735.1 FGRM|XP\_011320265.1 FGRM|XP\_011323283.1 FGRM|XP\_011323342.1 FGRM|XP\_011323343.1 MORY|QBZ64259.1

>Orthogroup8231: BCIN|XP\_024551717.1 CFRU|XP\_031884822.1 CGLO|KAF3812239.1 CHIG|XP\_018153467.1 CVIN|KAF4919916.1 CVYL|A00147 FGRM|XP\_011316950.1 SSCL|APA14558.1

>Orthogroup8232: BCIN|XP\_024551757.1 CFRU|XP\_031890672.1 FGRM|XP\_011317109.1 MGRA|XP\_003856734.1 MLAR|XP\_007416662.1 MORY|QBZ63818.1 NCRA|XP\_011393371.1 SSCL|APA14819.1

>Orthogroup8233: BCIN|XP\_024551975.1 CFRU|XP\_031883551.1 CGLO|KAF3810872.1 CVIN|KAF4916366.1 CVYL|A02272 FGRM|XP\_011318192.1 NCRA|XP\_011394432.1 SSCL|APA12690.1

>Orthogroup8234: BCIN|XP\_001557941.2 CFRU|XP\_031885758.1 CFRU|XP\_031885762.1 CGLO|KAF3810077.1 CHIG|XP\_018157920.1 CVIN|KAF4912745.1 CVYL|A02670 CVYL|A02674

>Orthogroup8235: BCIN|XP\_024552033.1 CFRU|XP\_031881045.1 CGLO|KAF3809863.1 CHIG|XP\_018161456.1 CVIN|KAF4930672.1 CVYL|A01755 FGRM|XP\_011321390.1 MGRA|XP\_003850175.1

>Orthogroup8236: BCIN|XP\_001558173.1 BGRA|VDB83938.1 BGRA|VDB84132.1 BGRA|VDB84133.1 BGRA|VDB84135.1 BGRA|VDB84136.1 BGRA|VDB84137.1 SSCL|APA13143.1

>Orthogroup8237: BCIN|XP\_024552167.1 CFRU|XP\_031887635.1 CGLO|KAF3803226.1 CHIG|XP\_018161077.1 CVIN|KAF4928675.1 CVYL|A03657 MORY|QBZ56265.1 SSCL|APA13089.1

>Orthogroup8238: BCIN|XP\_024552267.1 BCIN|XP\_024552268.1 CFRU|XP\_031886719.1 CGLO|KAF3804079.1 NCRA|XP\_011393379.1 SSCL|APA13117.1 SSCL|APA13118.1 SSCL|APA13119.1

>Orthogroup8239: BCIN|XP\_024552285.1 CFRU|XP\_031881222.1 CGLO|KAF3802532.1 CHIG|XP\_018154829.1 CVIN|KAF4919012.1 CVYL|A02126 MORY|QBZ53787.1 SSCL|APA13059.1

>Orthogroup8240: BCIN|XP\_024552298.1 CFRU|XP\_031887575.1 CFRU|XP\_031887578.1 CGLO|KAF3811619.1 CVYL|A03477 FGRM|XP\_011328154.1 MORY|QBZ56588.1 NCRA|XP\_964431.2

>Orthogroup8241: BCIN|XP\_001547720.2 CFRU|XP\_031889184.1 CFRU|XP\_031891821.1 CGLO|KAF3808744.1 CVIN|KAF4929581.1 CVYL|A00917 CVYL|A06772 FGRM|XP\_011324491.1

>Orthogroup8242: BCIN|XP\_001545697.1 CFRU|XP\_031880982.1 CGLO|KAF3809897.1 CHIG|XP\_018152727.1 CVIN|KAF4930668.1 CVYL|A01721 FGRM|XP\_011325857.1 SSCL|APA14939.1

>Orthogroup8243: BCIN|XP\_024552536.1 CFRU|XP\_031880137.1 CFRU|XP\_031887222.1 CGLO|KAF3797731.1 CVIN|KAF4924177.1 CVYL|A01518 CVYL|A11420 FGRM|XP\_011315647.1

>Orthogroup8244: BCIN|XP\_024552776.1 CFRU|XP\_031880317.1 CGLO|KAF3808990.1 CHIG|XP\_018154893.1 CVIN|KAF4920853.1 CVYL|A01380 MORY|QBZ64359.1 SSCL|APA07506.1

>Orthogroup8245: BCIN|XP\_024552840.1 CFRU|XP\_031880216.1 CGLO|KAF3808942.1 CVIN|KAF4920757.1 FGRM|XP\_011319095.1 MGRA|XP\_003856888.1 MORY|QBZ62240.1 SSCL|APA07612.1

>Orthogroup8246: BCIN|XP\_001552834.1 CFRU|XP\_031887438.1 CGLO|KAF3809214.1 CHIG|XP\_018156024.1 CVIN|KAF4925283.1 CVYL|A01404 NCRA|XP\_961437.1 SSCL|APA07611.1

>Orthogroup8247: BCIN|XP\_001551284.1 CFRU|XP\_031889171.1 CGLO|KAF3803080.1 CHIG|XP\_018155552.1 CVIN|KAF4929624.1 CVYL|A00950 FGRM|XP\_011321122.1 SSCL|APA07564.1

>Orthogroup8248: BCIN|XP\_024552954.1 CFRU|XP\_031880277.1 CGLO|KAF3809085.1 CVIN|KAF4923810.1 CVYL|A01627 FGRM|XP\_011319151.1 NCRA|XP\_959177.3 SSCL|APA16132.1

>Orthogroup8249: BCIN|XP\_024552960.1 CFRU|XP\_031876442.1 CGLO|KAF3801955.1 CHIG|XP\_018158567.1 CVYL|A02389 FGRM|XP\_011323328.1 FGRM|XP\_011325320.1 SSCL|APA16140.1

>Orthogroup8250: BCIN|XP\_024553064.1 BGRA|VCU41378.1 CFRU|XP\_031882371.1 CGLO|KAF3807568.1 CHIG|XP\_018156374.1 CVIN|KAF4928970.1 CVYL|A02914 SSCL|APA16261.1

>Orthogroup8251: BCIN|XP\_024553216.1 CFRU|XP\_031877853.1 CGLO|KAF3804786.1 CVIN|KAF4929748.1 CVYL|A12286 MGRA|XP\_003853550.1 NCRA|XP\_965436.2 SSCL|APA13485.1

>Orthogroup8252: BCIN|XP\_001545550.2 BGRA|VDB83736.1 CHIG|XP\_018160928.1 CVIN|KAF4920166.1 CVYL|A03542 FGRM|XP\_011323739.1 NCRA|XP\_011394392.1 SSCL|APA13615.1

>Orthogroup8253: BCIN|XP\_001548464.2 CFRU|XP\_031889819.1 CGLO|KAF3805861.1 CHIG|XP\_018158867.1 CVIN|KAF4907174.1 CVYL|A13854 NCRA|XP\_965693.3 SSCL|APA13812.1

>Orthogroup8254: BCIN|XP\_001549765.2 CFRU|XP\_031885311.1 CHIG|XP\_018157575.1 CVIN|KAF4921314.1 CVYL|A09333 FGRM|XP\_011327996.1 NCRA|XP\_958208.1 SSCL|APA13774.1

>Orthogroup8255: BCIN|XP\_001549711.1 CFRU|XP\_031888184.1 CGLO|KAF3802213.1 CHIG|XP\_018151050.1 CHIG|XP\_018153843.1 CVYL|A03186 MORY|QBZ53613.1 MORY|QBZ59964.1

>Orthogroup8256: BCIN|XP\_001551091.1 CFRU|XP\_031890977.1 CGLO|KAF3801623.1 CHIG|XP\_018151385.1 CVIN|KAF4922698.1 CVYL|A12513 MORY|QBZ62665.1 SSCL|APA08559.1

>Orthogroup8257: BCIN|XP\_001550720.2 CFRU|XP\_031877402.1 CGLO|KAF3808455.1 CHIG|XP\_018156804.1 CVIN|KAF4915209.1 CVYL|A11685 CVYL|A11686 SSCL|APA15311.1

>Orthogroup8258: BCIN|XP\_024553960.1 CVYL|A08709 FGRM|XP\_011317503.1 FGRM|XP\_011324380.1 MORY|QBZ55202.1 MORY|QBZ56871.1 NCRA|XP\_960095.1 SSCL|APA15428.1

>Orthogroup8259: BCIN|XP\_024553965.1 CFRU|XP\_031888328.1 CGLO|KAF3803731.1 CHIG|XP\_018153182.1 CVIN|KAF4928546.1 CVYL|A14667 MGRA|XP\_003853015.1 MORY|QBZ66260.1

>Orthogroup8260: BCIN|XP\_001549173.1 CFRU|XP\_031880771.1 CGLO|KAF3809968.1 CHIG|XP\_018161553.1 CVIN|KAF4914187.1 CVYL|A01654 MLAR|XP\_007409569.1 SSCL|APA15397.1

>Orthogroup8261: BCIN|XP\_024554032.1 CGLO|KAF3806510.1 CHIG|XP\_018157546.1 CVYL|A09360 FGRM|XP\_011328086.1 MORY|QBZ55076.1 MORY|QBZ56343.1 SSCL|APA15345.1

>Orthogroup8262: BGRA|VCU38915.1 BGRA|VCU38919.1 BGRA|VCU38938.1 BGRA|VCU38950.1 BGRA|VDB85795.1 BGRA|VDB85800.1 BGRA|VDB85843.1 BGRA|VDB85849.1

>Orthogroup8263: BGRA|VCU39112.1 CFRU|XP\_031886124.1 CGLO|KAF3805431.1 CHIG|XP\_018155291.1 CVIN|KAF4930411.1 CVYL|A05561 FGRM|XP\_011325644.1 MORY|QBZ54020.1

>Orthogroup8264: BGRA|VCU39596.1 BGRA|VCU41013.1 BGRA|VDB84221.1 BGRA|VDB86253.1 BGRA|VDB89858.1 BGRA|VDB90463.1 BGRA|VDB94934.1 BGRA|VDB96516.1

>Orthogroup8265: BGRA|VCU40307.1 BGRA|VCU40308.1 BGRA|VCU41122.1 BGRA|VDB85835.1 BGRA|VDB87916.1 BGRA|VDB91401.1 CFRU|XP\_031880587.1 MORY|QBZ65320.1

>Orthogroup8266: BGRA|VCU40512.1 BGRA|VCU40681.1 BGRA|VCU40711.1 BGRA|VCU41133.1 BGRA|VDB83567.1 BGRA|VDB87651.1 BGRA|VDB88974.1 BGRA|VDB94540.1

>Orthogroup8267: BGRA|VCU40818.1 BGRA|VDB85929.1 BGRA|VDB85930.1 BGRA|VDB85931.1 BGRA|VDB85935.1 BGRA|VDB85936.1 BGRA|VDB85937.1 BGRA|VDB85945.1

>Orthogroup8268: BGRA|VCU40844.1 BGRA|VCU41275.1 BGRA|VDB88320.1 BGRA|VDB88324.1 BGRA|VDB88326.1 BGRA|VDB88328.1 BGRA|VDB88329.1 BGRA|VDB88333.1

>Orthogroup8269: BGRA|VCU41354.1 BGRA|VDB88279.1 BGRA|VDB88292.1 BGRA|VDB88306.1 BGRA|VDB92525.1 BGRA|VDB92943.1 BGRA|VDB92944.1 BGRA|VDB92956.1

>Orthogroup8270: BGRA|VDB83711.1 CFRU|XP\_031882950.1 CGLO|KAF3802803.1 CGLO|KAF3808315.1 CHIG|XP\_018163123.1 CVIN|KAF4924083.1 CVYL|A00646 FGRM|XP\_011318371.1

>Orthogroup8271: BGRA|VDB84211.1 CFRU|XP\_031886298.1 CFRU|XP\_031887597.1 CGLO|KAF3803281.1 CGLO|KAF3806232.1 CHIG|XP\_018162068.1 CVIN|KAF4931522.1 CVYL|A11823

>Orthogroup8272: BGRA|VDB87569.1 BGRA|VDB88682.1 BGRA|VDB88683.1 BGRA|VDB94027.1 BGRA|VDB94028.1 BGRA|VDB94449.1 BGRA|VDB95345.1 BGRA|VDB96458.1

>Orthogroup8273: BGRA|VDB89144.1 CFRU|XP\_031885154.1 CHIG|XP\_018162813.1 CVIN|KAF4927620.1 CVYL|A06917 FGRM|XP\_011326414.1 MGRA|XP\_003857369.1 MORY|QBZ53391.1

>Orthogroup8274: BGRA|VDB89675.1 BGRA|VDB89676.1 BGRA|VDB89677.1 BGRA|VDB89678.1 BGRA|VDB89679.1 BGRA|VDB90386.1 BGRA|VDB90387.1 BGRA|VDB90442.1

>Orthogroup8275: BGRA|VDB89729.1 BGRA|VDB89752.1 BGRA|VDB89753.1 BGRA|VDB89754.1 BGRA|VDB89758.1 BGRA|VDB89761.1 BGRA|VDB92685.1 BGRA|VDB92687.1

>Orthogroup8276: BGRA|VDB92529.1 BGRA|VDB92533.1 BGRA|VDB92589.1 BGRA|VDB92668.1 BGRA|VDB92674.1 BGRA|VDB92675.1 BGRA|VDB92679.1 BGRA|VDB93656.1

>Orthogroup8277: BGRA|VDB94835.1 BGRA|VDB94975.1 BGRA|VDB94977.1 BGRA|VDB94993.1 BGRA|VDB94994.1 BGRA|VDB94995.1 BGRA|VDB94997.1 BGRA|VDB94998.1

>Orthogroup8278: CFRU|XP\_031881271.1 CFRU|XP\_031893191.1 CGLO|KAF3802543.1 CHIG|XP\_018150754.1 CVIN|KAF4921856.1 CVYL|A02137 FGRM|XP\_011322336.1 MORY|QBZ65854.1

>Orthogroup8279: CFRU|XP\_031893282.1 CGLO|KAF3800776.1 CGLO|KAF3800777.1 CGLO|KAF3801348.1 CGLO|KAF3807940.1 CHIG|XP\_018150917.1 CHIG|XP\_018158847.1 NCRA|XP\_960157.2

>Orthogroup8280: CFRU|XP\_031877155.1 CFRU|XP\_031893592.1 CGLO|KAF3803995.1 CHIG|XP\_018152087.1 CHIG|XP\_018160921.1 CVIN|KAF4922505.1 CVYL|A08747 CVYL|A08806

>Orthogroup8281: CFRU|XP\_031888889.1 CFRU|XP\_031893385.1 CGLO|KAF3800842.1 CVIN|KAF4915588.1 CVIN|KAF4924758.1 CVYL|A11083 MORY|QBZ53891.1 NCRA|XP\_956563.3

>Orthogroup8282: CFRU|XP\_031893169.1 CGLO|KAF3808123.1 CHIG|XP\_018150967.1 CHIG|XP\_018152820.1 CVIN|KAF4909737.1 CVYL|A08112 FGRM|XP\_011327368.1 NCRA|XP\_960614.2

>Orthogroup8283: CFRU|XP\_031893573.1 CHIG|XP\_018152792.1 CVIN|KAF4920623.1 CVYL|A08143 FGRM|XP\_011317977.1 FGRM|XP\_011317978.1 MORY|QBZ54990.1 NCRA|XP\_958541.2

>Orthogroup8284: CFRU|XP\_031886160.1 CFRU|XP\_031893530.1 CGLO|KAF3809469.1 CGLO|KAF3812001.1 CVIN|KAF4921284.1 CVIN|KAF4930352.1 CVYL|A05508 NCRA|XP\_958522.1

>Orthogroup8285: CFRU|XP\_031893081.1 CGLO|KAF3809573.1 CHIG|XP\_018158071.1 CHIG|XP\_018164799.1 CVIN|KAF4896065.1 FGRM|XP\_011318084.1 FGRM|XP\_011321784.1 MGRA|XP\_003848051.1

>Orthogroup8286: CFRU|XP\_031893085.1 CFRU|XP\_031893086.1 CFRU|XP\_031893435.1 CFRU|XP\_031893439.1 CGLO|KAF3809569.1 CHIG|XP\_018150920.1 CVIN|KAF4912194.1 CVYL|A08458

>Orthogroup8287: CFRU|XP\_031893440.1 CFRU|XP\_031893441.1 CGLO|KAF3805059.1 CGLO|KAF3809570.1 CHIG|XP\_018150921.1 CVIN|KAF4912193.1 CVIN|KAF4912195.1 CVYL|A08457

>Orthogroup8288: CFRU|XP\_031893022.1 CGLO|KAF3808421.1 CHIG|XP\_018152499.1 CVIN|KAF4925023.1 CVYL|A09580 FGRM|XP\_011317930.1 MORY|QBZ54843.1 NCRA|XP\_958082.2

>Orthogroup8289: CFRU|XP\_031893021.1 CGLO|KAF3808420.1 CHIG|XP\_018152498.1 CHIG|XP\_018159865.1 CVIN|KAF4925022.1 CVYL|A09579 MGRA|XP\_003855993.1 MORY|QBZ57324.1

>Orthogroup8290: CFRU|XP\_031893020.1 CGLO|KAF3808419.1 CHIG|XP\_018152497.1 CVIN|KAF4925007.1 CVYL|A09578 FGRM|XP\_011317926.1 MORY|QBZ54842.1 NCRA|XP\_958291.3

>Orthogroup8291: CFRU|XP\_031888692.1 CGLO|KAF3799169.1 CHIG|XP\_018155209.1 CHIG|XP\_018163478.1 CHIG|XP\_018163491.1 CHIG|XP\_018163492.1 CVIN|KAF4914907.1 MORY|QBZ54912.1

>Orthogroup8292: CFRU|XP\_031888966.1 CGLO|KAF3799213.1 CHIG|XP\_018151502.1 CVIN|KAF4909309.1 CVYL|A10108 FGRM|XP\_011328388.1 MORY|QBZ66359.1 NCRA|XP\_961043.1

>Orthogroup8293: CFRU|XP\_031888806.1 CFRU|XP\_031890089.1 CGLO|KAF3799270.1 CGLO|KAF3810375.1 CVIN|KAF4891982.1 CVYL|A05736 CVYL|A10161 FGRM|XP\_011317562.1

>Orthogroup8294: CFRU|XP\_031888955.1 CGLO|KAF3799278.1 CHIG|XP\_018159881.1 CVIN|KAF4924815.1 CVYL|A10167 FGRM|XP\_011328794.1 MORY|QBZ63743.1 NCRA|XP\_960985.1

>Orthogroup8295: CFRU|XP\_031888629.1 CGLO|KAF3799349.1 CGLO|KAF3801015.1 CHIG|XP\_018152334.1 CHIG|XP\_018152335.1 CHIG|XP\_018159142.1 CVYL|A04475 FGRM|XP\_011318075.1

>Orthogroup8296: CFRU|XP\_031888830.1 CGLO|KAF3799354.1 CVIN|KAF4910732.1 CVYL|A04541 FGRM|XP\_011321657.1 MGRA|XP\_003856877.1 MORY|QBZ65037.1 NCRA|XP\_962437.1

>Orthogroup8297: CFRU|XP\_031888945.1 CFRU|XP\_031890484.1 CGLO|KAF3804171.1 CGLO|KAF3804877.1 CVIN|KAF4918367.1 CVIN|KAF4921159.1 CVYL|A03843 CVYL|A12184

>Orthogroup8298: CFRU|XP\_031875483.1 CFRU|XP\_031877008.1 CFRU|XP\_031888908.1 CGLO|KAF3804200.1 CHIG|XP\_018160015.1 CVYL|A03874 FGRM|XP\_011325841.1 MORY|QBZ65167.1

>Orthogroup8299: CFRU|XP\_031888917.1 CFRU|XP\_031892848.1 CGLO|KAF3797044.1 CGLO|KAF3804290.1 CVIN|KAF4905038.1 CVIN|KAF4920138.1 CVYL|A03974 CVYL|A10660

>Orthogroup8300: CFRU|XP\_031888788.1 CFRU|XP\_031888789.1 CGLO|KAF3804297.1 CHIG|XP\_018160094.1 CVIN|KAF4920135.1 CVYL|A03979 FGRM|XP\_011324589.1 NCRA|XP\_961168.1

>Orthogroup8301: CFRU|XP\_031876040.1 CGLO|KAF3805240.1 CHIG|XP\_018158834.1 CVIN|KAF4918677.1 CVYL|A13887 FGRM|XP\_011317210.1 MORY|QBZ62496.1 NCRA|XP\_963856.2

>Orthogroup8302: CFRU|XP\_031876032.1 CGLO|KAF3805244.1 CHIG|XP\_018158830.1 CVIN|KAF4918654.1 CVYL|A13892 MLAR|XP\_007408356.1 MORY|QBZ60349.1 NCRA|XP\_011393195.1

>Orthogroup8303: CFRU|XP\_031875940.1 CFRU|XP\_031889441.1 CGLO|KAF3808923.1 CHIG|XP\_018161941.1 CVYL|A01162 FGRM|XP\_011325990.1 MGRA|XP\_003850082.1 MORY|QBZ54112.1

>Orthogroup8304: CFRU|XP\_031875938.1 CGLO|KAF3805696.1 CHIG|XP\_018163603.1 CVIN|KAF4891816.1 CVIN|KAF4892304.1 CVYL|A09851 FGRM|XP\_011315595.1 FGRM|XP\_011320882.1

>Orthogroup8305: CFRU|XP\_031875919.1 CFRU|XP\_031879347.1 CGLO|KAF3807811.1 CGLO|KAF3808632.1 CVIN|KAF4921506.1 CVIN|KAF4926184.1 CVYL|A12166 FGRM|XP\_011321236.1

>Orthogroup8306: CFRU|XP\_031888586.1 CGLO|KAF3797806.1 CVIN|KAF4923156.1 CVYL|A03035 FGRM|XP\_011321048.1 FGRM|XP\_011322395.1 MGRA|XP\_003848957.1 MORY|QBZ54515.1

>Orthogroup8307: CFRU|XP\_031888439.1 CGLO|KAF3803467.1 CHIG|XP\_018163997.1 CVIN|KAF4926316.1 CVYL|A14397 FGRM|XP\_011326484.1 MORY|QBZ63490.1 NCRA|XP\_958180.1

>Orthogroup8308: CFRU|XP\_031888259.1 CGLO|KAF3803490.1 CHIG|XP\_018164020.1 CVIN|KAF4926311.1 CVYL|A14419 FGRM|XP\_011316979.1 MORY|QBZ55327.1 NCRA|XP\_011393004.1

>Orthogroup8309: CFRU|XP\_031888311.1 CGLO|KAF3803545.1 CHIG|XP\_018164146.1 CVIN|KAF4922248.1 CVYL|A14478 FGRM|XP\_011316156.1 MORY|QBZ56424.1 NCRA|XP\_965142.3

>Orthogroup8310: CFRU|XP\_031888330.1 CGLO|KAF3803730.1 CHIG|XP\_018153184.1 CVIN|KAF4928545.1 CVYL|A14666 FGRM|XP\_011316849.1 MORY|QBZ59787.1 NCRA|XP\_965643.3

>Orthogroup8311: CFRU|XP\_031875838.1 CGLO|KAF3805544.1 CHIG|XP\_018155397.1 CVIN|KAF4889028.1 CVYL|A05667 FGRM|XP\_011317423.1 MORY|QBZ63036.1 NCRA|XP\_011395305.1

>Orthogroup8312: CFRU|XP\_031875796.1 CGLO|KAF3797580.1 CHIG|XP\_018154104.1 CVIN|KAF4912166.1 CVYL|A03408 FGRM|XP\_011325896.1 MGRA|XP\_003851139.1 SSCL|APA07629.1

>Orthogroup8313: CFRU|XP\_031875761.1 CGLO|KAF3812033.1 CHIG|XP\_018150544.1 CVIN|KAF4922546.1 CVYL|A08510 CVYL|A08523 CVYL|A08550 CVYL|A08628

>Orthogroup8314: CFRU|XP\_031888165.1 CGLO|KAF3797614.1 CHIG|XP\_018154119.1 CVIN|KAF4914254.1 CVYL|A03379 FGRM|XP\_011322859.1 MORY|QBZ61184.1 MORY|QBZ66341.1

>Orthogroup8315: CFRU|XP\_031888018.1 CFRU|XP\_031888019.1 CGLO|KAF3802099.1 CGLO|KAF3802100.1 CHIG|XP\_018154248.1 CVIN|KAF4917956.1 CVYL|A03293 CVYL|A03294

>Orthogroup8316: CFRU|XP\_031887956.1 CFRU|XP\_031887959.1 CGLO|KAF3802115.1 CGLO|KAF3802116.1 CHIG|XP\_018153318.1 CHIG|XP\_018157057.1 CVIN|KAF4912417.1 CVYL|A03278

>Orthogroup8317: CFRU|XP\_031887868.1 CGLO|KAF3802295.1 CHIG|XP\_018154397.1 CVIN|KAF4924413.1 CVYL|A10618 FGRM|XP\_011319771.1 MORY|QBZ65770.1 NCRA|XP\_011392900.1

>Orthogroup8318: CFRU|XP\_031875686.1 CFRU|XP\_031884285.1 CGLO|KAF3798121.1 CGLO|KAF3799985.1 CHIG|XP\_018151579.1 CVIN|KAF4926874.1 CVIN|KAF4927956.1 CVYL|A08238

>Orthogroup8319: CFRU|XP\_031875609.1 CFRU|XP\_031875655.1 CFRU|XP\_031877582.1 CFRU|XP\_031877599.1 CFRU|XP\_031880620.1 CVIN|KAF4897231.1 FGRM|XP\_011319627.1 NCRA|XP\_965621.3

>Orthogroup8320: CFRU|XP\_031887761.1 CGLO|KAF3803270.1 CHIG|XP\_018161126.1 CVIN|KAF4928703.1 CVYL|A03704 FGRM|XP\_011327957.1 MORY|QBZ58364.1 NCRA|XP\_962019.1

>Orthogroup8321: CFRU|XP\_031887774.1 CGLO|KAF3803252.1 CHIG|XP\_018161104.1 CVIN|KAF4928706.1 CVYL|A03684 FGRM|XP\_011318076.1 MORY|QBZ60824.1 NCRA|XP\_958957.2

>Orthogroup8322: CFRU|XP\_031887785.1 CFRU|XP\_031891695.1 CGLO|KAF3801431.1 CGLO|KAF3803237.1 CVIN|KAF4922367.1 CVIN|KAF4928681.1 CVYL|A03669 CVYL|A07652

>Orthogroup8323: CFRU|XP\_031887627.1 CGLO|KAF3803224.1 CHIG|XP\_018161075.1 CVIN|KAF4928673.1 CVYL|A03655 FGRM|XP\_011324214.1 MORY|QBZ58803.1 NCRA|XP\_956327.1

>Orthogroup8324: CFRU|XP\_031887494.1 CGLO|KAF3807169.1 CHIG|XP\_018160992.1 CVIN|KAF4917577.1 CVYL|A03572 FGRM|XP\_011328097.1 MORY|QBZ58738.1 NCRA|XP\_962220.3

>Orthogroup8325: CFRU|XP\_031887351.1 CGLO|KAF3809355.1 CHIG|XP\_018156210.1 CVIN|KAF4924186.1 CVYL|A01561 FGRM|XP\_011325147.1 MGRA|XP\_003850090.1 MORY|QBZ57755.1

>Orthogroup8326: CFRU|XP\_031887216.1 CGLO|KAF3809317.1 CHIG|XP\_018156154.1 CVIN|KAF4911364.1 CVYL|A01516 MLAR|XP\_007404739.1 MLAR|XP\_007410469.1 MLAR|XP\_007410525.1

>Orthogroup8327: CFRU|XP\_031887155.1 CFRU|XP\_031887156.1 CGLO|KAF3809221.1 CHIG|XP\_018156048.1 CVIN|KAF4925347.1 CVYL|A01410 FGRM|XP\_011319104.1 NCRA|XP\_959181.1

>Orthogroup8328: CFRU|XP\_031875438.1 MORY|QBZ53518.1 MORY|QBZ54125.1 MORY|QBZ54310.1 MORY|QBZ54832.1 MORY|QBZ57651.1 MORY|QBZ58489.1 MORY|QBZ61713.1

>Orthogroup8329: CFRU|XP\_031887093.1 CGLO|KAF3811339.1 CHIG|XP\_018160599.1 CVIN|KAF4927213.1 CVYL|A04520 FGRM|XP\_011327220.1 MORY|QBZ56974.1 NCRA|XP\_960591.1

>Orthogroup8330: CFRU|XP\_031886749.1 CGLO|KAF3804090.1 CHIG|XP\_018162678.1 CVIN|KAF4919554.1 CVYL|A07050 FGRM|XP\_011326356.1 MORY|QBZ55646.1 NCRA|XP\_956389.1

>Orthogroup8331: CFRU|XP\_031886657.1 CGLO|KAF3801194.1 CHIG|XP\_018162504.1 CHIG|XP\_018162505.1 CVIN|KAF4932097.1 FGRM|XP\_011326959.1 MORY|QBZ55677.1 NCRA|XP\_955805.3

>Orthogroup8332: CFRU|XP\_031886216.1 CGLO|KAF3806407.1 CHIG|XP\_018162289.1 CVIN|KAF4923281.1 CVYL|A11998 MGRA|XP\_003853270.1 MORY|QBZ63856.1 NCRA|XP\_960193.3

>Orthogroup8333: CFRU|XP\_031886218.1 CFRU|XP\_031886219.1 CFRU|XP\_031886279.1 CGLO|KAF3806302.1 CGLO|KAF3806379.1 CVIN|KAF4923978.1 CVYL|A11895 FGRM|XP\_011324293.1

>Orthogroup8334: CFRU|XP\_031886410.1 CGLO|KAF3806359.1 CHIG|XP\_018162234.1 CVIN|KAF4923274.1 CVYL|A11948 MORY|QBZ58976.1 NCRA|XP\_957762.1 NCRA|XP\_960321.1

>Orthogroup8335: CFRU|XP\_031886278.1 CGLO|KAF3806197.1 CHIG|XP\_018162185.1 CVIN|KAF4931501.1 CVYL|A11784 FGRM|XP\_011326333.1 MORY|QBZ55510.1 NCRA|XP\_011393803.1

>Orthogroup8336: CFRU|XP\_031883143.1 CFRU|XP\_031885996.1 CGLO|KAF3812015.1 CHIG|XP\_018151627.1 CVIN|KAF4889736.1 CVIN|KAF4930366.1 CVYL|A00428 CVYL|A05494

>Orthogroup8337: CFRU|XP\_031882003.1 CFRU|XP\_031885946.1 CGLO|KAF3805439.1 CHIG|XP\_018156695.1 CHIG|XP\_018164526.1 CVIN|KAF4930385.1 CVYL|A05569 FGRM|XP\_011325926.1

>Orthogroup8338: CFRU|XP\_031885971.1 CGLO|KAF3805510.1 CHIG|XP\_018156521.1 CVIN|KAF4918293.1 CVYL|A05633 MGRA|XP\_003851354.1 MGRA|XP\_003854155.1 MORY|QBZ65285.1

>Orthogroup8339: CFRU|XP\_031885988.1 CGLO|KAF3806555.1 CHIG|XP\_018157594.1 CVIN|KAF4920480.1 CVYL|A09314 FGRM|XP\_011327985.1 MORY|QBZ56240.1 NCRA|XP\_961996.3

>Orthogroup8340: CFRU|XP\_031885568.1 CGLO|KAF3810029.1 CHIG|XP\_018157746.1 CVIN|KAF4917936.1 CVYL|A02626 FGRM|XP\_011318498.1 MGRA|XP\_003849443.1 MORY|QBZ53717.1

>Orthogroup8341: CFRU|XP\_031885715.1 CGLO|KAF3810154.1 CHIG|XP\_018157986.1 CVIN|KAF4929104.1 CVYL|A02744 FGRM|XP\_011328548.1 MORY|QBZ64387.1 NCRA|XP\_960385.1

>Orthogroup8342: CFRU|XP\_031885842.1 CGLO|KAF3810169.1 CHIG|XP\_018150629.1 CHIG|XP\_018157788.1 CVIN|KAF4929110.1 CVYL|A02761 FGRM|XP\_011320308.1 FGRM|XP\_011322920.1

>Orthogroup8343: CFRU|XP\_031885621.1 CGLO|KAF3810190.1 CHIG|XP\_018157809.1 CVIN|KAF4929125.1 CVYL|A02782 FGRM|XP\_011321672.1 MORY|QBZ59277.1 NCRA|XP\_960445.2

>Orthogroup8344: CFRU|XP\_031885617.1 CHIG|XP\_018152524.1 CVIN|KAF4929134.1 CVYL|A02787 FGRM|XP\_011321802.1 FGRM|XP\_011322056.1 FGRM|XP\_011324286.1 FGRM|XP\_011327736.1

>Orthogroup8345: CFRU|XP\_031892684.1 CGLO|KAF3803078.1 CHIG|XP\_018153518.1 CVIN|KAF4919862.1 CVYL|A00091 FGRM|XP\_011316107.1 MORY|QBZ55582.1 NCRA|XP\_965117.2

>Orthogroup8346: CFRU|XP\_031892351.1 CGLO|KAF3797166.1 CHIG|XP\_018157341.1 CVIN|KAF4918853.1 CVYL|A10532 FGRM|XP\_011320176.1 MORY|QBZ65608.1 NCRA|XP\_965806.1

>Orthogroup8347: CFRU|XP\_031892604.1 CGLO|KAF3797158.1 CHIG|XP\_018157109.1 CVIN|KAF4918839.1 CVYL|A10541 FGRM|XP\_011315804.1 MORY|QBZ65562.1 NCRA|XP\_964706.1

>Orthogroup8348: CFRU|XP\_031892428.1 CGLO|KAF3797143.1 CHIG|XP\_018157102.1 CVIN|KAF4898623.1 CVYL|A10555 FGRM|XP\_011325078.1 MORY|QBZ66128.1 NCRA|XP\_965778.2

>Orthogroup8349: CFRU|XP\_031892628.1 CFRU|XP\_031892629.1 CGLO|KAF3797139.1 CHIG|XP\_018157105.1 CVIN|KAF4898616.1 CVYL|A10558 FGRM|XP\_011328282.1 MORY|QBZ66309.1

>Orthogroup8350: CFRU|XP\_031890303.1 CFRU|XP\_031892884.1 CGLO|KAF3797119.1 CHIG|XP\_018153378.1 CHIG|XP\_018158383.1 CVIN|KAF4908462.1 CVYL|A10582 CVYL|A12420

>Orthogroup8351: CFRU|XP\_031884798.1 CFRU|XP\_031892697.1 CGLO|KAF3801039.1 CVIN|KAF4908680.1 CVYL|A00344 FGRM|XP\_011315650.1 FGRM|XP\_011317910.1 FGRM|XP\_011325447.1

>Orthogroup8352: CFRU|XP\_031892857.1 CGLO|KAF3797045.1 CHIG|XP\_018164824.1 CVIN|KAF4905037.1 CVYL|A10659 FGRM|XP\_011318320.1 FGRM|XP\_011326245.1 NCRA|XP\_962887.1

>Orthogroup8353: CFRU|XP\_031892505.1 CGLO|KAF3797039.1 CHIG|XP\_018157001.1 CVIN|KAF4905034.1 CVYL|A10667 FGRM|XP\_011315907.1 MORY|QBZ65619.1 NCRA|XP\_964720.1

>Orthogroup8354: CFRU|XP\_031885506.1 CGLO|KAF3799553.1 CHIG|XP\_018154545.1 CVIN|KAF4931748.1 CVYL|A13413 MORY|QBZ61049.1 NCRA|XP\_011393679.1 NCRA|XP\_011393680.1

>Orthogroup8355: CFRU|XP\_031885372.1 CGLO|KAF3799547.1 CHIG|XP\_018154538.1 CVIN|KAF4931862.1 CVYL|A13407 FGRM|XP\_011324908.1 MORY|QBZ61059.1 NCRA|XP\_963325.1

>Orthogroup8356: CFRU|XP\_031885086.1 CGLO|KAF3807731.1 CHIG|XP\_018162955.1 CVIN|KAF4920539.1 CVYL|A06819 FGRM|XP\_011322549.1 MORY|QBZ61222.1 MORY|QBZ65914.1

>Orthogroup8357: CFRU|XP\_031885078.1 CGLO|KAF3800342.1 CHIG|XP\_018162830.1 CVIN|KAF4914530.1 CVYL|A07409 FGRM|XP\_011326412.1 MORY|QBZ63248.1 NCRA|XP\_959064.1

>Orthogroup8358: CFRU|XP\_031885066.1 CGLO|KAF3807654.1 CHIG|XP\_018156703.1 CHIG|XP\_018162877.1 CVIN|KAF4927805.1 CVYL|A06653 FGRM|XP\_011321008.1 MGRA|XP\_003848304.1

>Orthogroup8359: CFRU|XP\_031885217.1 CGLO|KAF3807689.1 CHIG|XP\_018162915.1 CVIN|KAF4927838.1 CVYL|A06882 FGRM|XP\_011326263.1 MORY|QBZ59702.1 NCRA|XP\_011394047.1

>Orthogroup8360: CFRU|XP\_031882946.1 CFRU|XP\_031885016.1 CGLO|KAF3800323.1 CGLO|KAF3803377.1 CHIG|XP\_018162974.1 CVIN|KAF4887105.1 CVYL|A14304 FGRM|XP\_011327602.1

>Orthogroup8361: CFRU|XP\_031885202.1 CGLO|KAF3800296.1 CHIG|XP\_018162785.1 CVIN|KAF4927582.1 CVYL|A06937 FGRM|XP\_011318557.1 FGRM|XP\_011327548.1 MORY|QBZ60808.1

>Orthogroup8362: CFRU|XP\_031884830.1 CGLO|KAF3801041.1 CHIG|XP\_018153287.1 CVIN|KAF4908682.1 CVYL|A00342 FGRM|XP\_011321575.1 MORY|QBZ54570.1 NCRA|XP\_962030.1

>Orthogroup8363: CFRU|XP\_031884802.1 CGLO|KAF3801057.1 CHIG|XP\_018153269.1 CVIN|KAF4918123.1 CVYL|A00310 FGRM|XP\_011319528.1 FGRM|XP\_011321780.1 FGRM|XP\_011323141.1

>Orthogroup8364: CFRU|XP\_031884906.1 CGLO|KAF3812104.1 CHIG|XP\_018153341.1 CVIN|KAF4918129.1 CVYL|A00293 FGRM|XP\_011316041.1 MORY|QBZ63849.1 NCRA|XP\_958256.2

>Orthogroup8365: CFRU|XP\_031884998.1 CGLO|KAF3800659.1 CGLO|KAF3812236.1 CHIG|XP\_018153471.1 CVIN|KAF4919922.1 CVYL|A00150 FGRM|XP\_011316913.1 MGRA|XP\_003853769.1

>Orthogroup8366: CFRU|XP\_031884456.1 CGLO|KAF3799766.1 CHIG|XP\_018158238.1 CVIN|KAF4918958.1 CVYL|A11329 MORY|QBZ53447.1 MORY|QBZ56674.1 MORY|QBZ56675.1

>Orthogroup8367: CFRU|XP\_031884617.1 CFRU|XP\_031884618.1 CGLO|KAF3799713.1 CHIG|XP\_018158289.1 CVIN|KAF4919952.1 CVYL|A05874 FGRM|XP\_011327315.1 MGRA|XP\_003857145.1

>Orthogroup8368: CFRU|XP\_031878932.1 CFRU|XP\_031884562.1 CGLO|KAF3799702.1 CGLO|KAF3807927.1 CHIG|XP\_018165040.1 CVIN|KAF4919983.1 CVYL|A00694 CVYL|A05863

>Orthogroup8369: CFRU|XP\_031884511.1 CGLO|KAF3799680.1 CHIG|XP\_018158272.1 CVIN|KAF4919992.1 CVYL|A05844 FGRM|XP\_011316516.1 MORY|QBZ59229.1 NCRA|XP\_965580.2

>Orthogroup8370: CFRU|XP\_031882140.1 CFRU|XP\_031884235.1 CFRU|XP\_031891806.1 CGLO|KAF3804631.1 CGLO|KAF3809764.1 CVIN|KAF4896760.1 CVYL|A09733 MORY|QBZ60211.1

>Orthogroup8371: CFRU|XP\_031884144.1 CGLO|KAF3800014.1 CHIG|XP\_018153018.1 CVIN|KAF4926867.1 CVYL|A09791 FGRM|XP\_011324299.1 MORY|QBZ64144.1 NCRA|XP\_964944.1

>Orthogroup8372: CFRU|XP\_031884295.1 CGLO|KAF3799969.1 CHIG|XP\_018152980.1 CVIN|KAF4926927.1 CVYL|A10190 FGRM|XP\_011327613.1 MGRA|XP\_003852358.1 MORY|QBZ58142.1

>Orthogroup8373: CFRU|XP\_031883965.1 CGLO|KAF3805103.1 CHIG|XP\_018163416.1 CVIN|KAF4927399.1 CVYL|A06455 FGRM|XP\_011324306.1 MORY|QBZ60668.1 NCRA|XP\_011394362.1

>Orthogroup8374: CFRU|XP\_031883955.1 CGLO|KAF3805076.1 CHIG|XP\_018163437.1 CVIN|KAF4927433.1 CVYL|A06483 FGRM|XP\_011321852.1 FGRM|XP\_011323520.1 MORY|QBZ60039.1

>Orthogroup8375: CFRU|XP\_031884063.1 CGLO|KAF3804991.1 CHIG|XP\_018163526.1 CVIN|KAF4927086.1 CVYL|A06559 FGRM|XP\_011326662.1 MORY|QBZ55230.1 MORY|QBZ65132.1

>Orthogroup8376: CFRU|XP\_031883500.1 CFRU|XP\_031883616.1 CGLO|KAF3811898.1 CGLO|KAF3811899.1 CHIG|XP\_018151139.1 CVIN|KAF4911833.1 CVYL|A06155 CVYL|A06156

>Orthogroup8377: CFRU|XP\_031883685.1 CGLO|KAF3811902.1 CHIG|XP\_018155159.1 CVIN|KAF4911840.1 CVYL|A06160 FGRM|XP\_011317382.1 MORY|QBZ60954.1 NCRA|XP\_956464.3

>Orthogroup8378: CFRU|XP\_031883591.1 CFRU|XP\_031891948.1 CGLO|KAF3811956.1 CHIG|XP\_018155089.1 CVIN|KAF4905823.1 CVIN|KAF4921946.1 CVYL|A06109 CVYL|A06614

>Orthogroup8379: CFRU|XP\_031883704.1 CGLO|KAF3800206.1 CHIG|XP\_018155113.1 CVIN|KAF4920403.1 CVYL|A06081 FGRM|XP\_011317540.1 MORY|QBZ54034.1 NCRA|XP\_955870.2

>Orthogroup8380: CFRU|XP\_031877519.1 CFRU|XP\_031883657.1 CGLO|KAF3797531.1 CGLO|KAF3800246.1 CHIG|XP\_018163268.1 CVIN|KAF4921647.1 CVYL|A01980 CVYL|A12395

>Orthogroup8381: CFRU|XP\_031883565.1 CGLO|KAF3810794.1 CHIG|XP\_018155076.1 CVIN|KAF4921784.1 CVYL|A02026 FGRM|XP\_011317534.1 FGRM|XP\_011323234.1 MGRA|XP\_003849241.1

>Orthogroup8382: CFRU|XP\_031883644.1 CGLO|KAF3810798.1 CHIG|XP\_018155064.1 CVIN|KAF4921788.1 CVYL|A02021 FGRM|XP\_011317535.1 MORY|QBZ62385.1 NCRA|XP\_959458.1

>Orthogroup8383: CFRU|XP\_031883472.1 CGLO|KAF3810817.1 CHIG|XP\_018154977.1 CVIN|KAF4899854.1 CVYL|A02010 FGRM|XP\_011317648.1 FGRM|XP\_011328639.1 MORY|QBZ63437.1

>Orthogroup8384: CFRU|XP\_031883237.1 CGLO|KAF3800567.1 CHIG|XP\_018152125.1 CVIN|KAF4927099.1 CVYL|A13148 FGRM|XP\_011317247.1 MORY|QBZ60290.1 NCRA|XP\_011393495.1

>Orthogroup8385: CFRU|XP\_031883154.1 CGLO|KAF3800733.1 CHIG|XP\_018163283.1 CVIN|KAF4919616.1 CVYL|A00471 FGRM|XP\_011326144.1 MORY|QBZ57925.1 NCRA|XP\_963037.2

>Orthogroup8386: CFRU|XP\_031883051.1 CGLO|KAF3800720.1 CHIG|XP\_018159180.1 CVIN|KAF4919639.1 CVYL|A00484 FGRM|XP\_011325197.1 MLAR|XP\_007408485.1 MORY|QBZ56193.1

>Orthogroup8387: CFRU|XP\_031883176.1 CGLO|KAF3808233.1 CHIG|XP\_018163159.1 CVIN|KAF4909558.1 CVYL|A00574 FGRM|XP\_011321773.1 MORY|QBZ58214.1 NCRA|XP\_962760.1

>Orthogroup8388: CFRU|XP\_031883175.1 CGLO|KAF3808234.1 CHIG|XP\_018163160.1 CVIN|KAF4909559.1 CVYL|A00575 FGRM|XP\_011321772.1 MORY|QBZ58213.1 NCRA|XP\_962761.2

>Orthogroup8389: CFRU|XP\_031883166.1 CGLO|KAF3808283.1 CHIG|XP\_018163135.1 CVIN|KAF4921498.1 CVIN|KAF4924089.1 CVYL|A00620 CVYL|A00821 FGRM|XP\_011322304.1

>Orthogroup8390: CFRU|XP\_031882229.1 CFRU|XP\_031882975.1 CGLO|KAF3804385.1 CVIN|KAF4894259.1 CVYL|A00661 MORY|QBZ60834.1 NCRA|XP\_959726.2 NCRA|XP\_962341.1

>Orthogroup8391: CFRU|XP\_031882902.1 CGLO|KAF3812073.1 CHIG|XP\_018164091.1 CVIN|KAF4923672.1 CVYL|A14249 FGRM|XP\_011326773.1 MORY|QBZ55394.1 NCRA|XP\_964210.1

>Orthogroup8392: CFRU|XP\_031882911.1 CGLO|KAF3803383.1 CHIG|XP\_018163773.1 CVIN|KAF4918427.1 CVYL|A14310 FGRM|XP\_011324169.1 MGRA|XP\_003854982.1 MORY|QBZ63192.1

>Orthogroup8393: CFRU|XP\_031882755.1 CGLO|KAF3803430.1 CHIG|XP\_018164101.1 CVIN|KAF4926280.1 CVIN|KAF4926288.1 FGRM|XP\_011316177.1 MORY|QBZ54606.1 NCRA|XP\_963876.1

>Orthogroup8394: CFRU|XP\_031891979.1 CGLO|KAF3805622.1 CHIG|XP\_018152437.1 CHIG|XP\_018158062.1 CVIN|KAF4925694.1 CVYL|A07577 MGRA|XP\_003849158.1 MORY|QBZ58377.1

>Orthogroup8395: CFRU|XP\_031891952.1 CFRU|XP\_031891955.1 CGLO|KAF3805592.1 CHIG|XP\_018152016.1 CHIG|XP\_018154258.1 CHIG|XP\_018154260.1 CVIN|KAF4900692.1 CVYL|A07607

>Orthogroup8396: CFRU|XP\_031891814.1 CGLO|KAF3809969.1 CHIG|XP\_018160173.1 CVYL|A01653 FGRM|XP\_011325782.1 MGRA|XP\_003852222.1 MGRA|XP\_003853018.1 MORY|QBZ54899.1

>Orthogroup8397: CFRU|XP\_031877264.1 CFRU|XP\_031891988.1 CGLO|KAF3801286.1 CVIN|KAF4909286.1 CVIN|KAF4921585.1 CVYL|A02494 CVYL|A07802 FGRM|XP\_011324026.1

>Orthogroup8398: CFRU|XP\_031892233.1 CVIN|KAF4921977.1 CVYL|A06622 FGRM|XP\_011321999.1 MORY|QBZ61229.1 MORY|QBZ61818.1 NCRA|XP\_957449.1 NCRA|XP\_960144.2

>Orthogroup8399: CFRU|XP\_031891830.1 CGLO|KAF3809787.1 CHIG|XP\_018164962.1 CVIN|KAF4915187.1 CVYL|A06707 FGRM|XP\_011318633.1 MORY|QBZ53421.1 NCRA|XP\_959667.2

>Orthogroup8400: CFRU|XP\_031877426.1 CFRU|XP\_031892116.1 CGLO|KAF3800065.1 CGLO|KAF3808430.1 CVIN|KAF4919345.1 CVIN|KAF4931515.1 CVYL|A06765 CVYL|A11714

>Orthogroup8401: CFRU|XP\_031889667.1 CFRU|XP\_031891738.1 CGLO|KAF3800081.1 CGLO|KAF3805970.1 CHIG|XP\_018165024.1 CVIN|KAF4896542.1 CVYL|A06780 CVYL|A13750

>Orthogroup8402: CFRU|XP\_031891752.1 CGLO|KAF3800104.1 CHIG|XP\_018165042.1 CVIN|KAF4925822.1 CVYL|A06796 MORY|QBZ60251.1 MORY|QBZ65342.1 MORY|QBZ66548.1

>Orthogroup8403: CFRU|XP\_031882677.1 CGLO|KAF3803853.1 CHIG|XP\_018151052.1 CVIN|KAF4925416.1 CVYL|A08945 FGRM|XP\_011324265.1 MORY|QBZ64532.1 NCRA|XP\_957521.3

>Orthogroup8404: CFRU|XP\_031882389.1 CGLO|KAF3809408.1 CHIG|XP\_018156257.1 CVIN|KAF4916420.1 CVYL|A03074 FGRM|XP\_011318820.1 MORY|QBZ54193.1 NCRA|XP\_960843.3

>Orthogroup8405: CFRU|XP\_031882486.1 CGLO|KAF3810296.1 CHIG|XP\_018156357.1 CVIN|KAF4914949.1 CVIN|KAF4928895.1 CVYL|A02903 FGRM|XP\_011318947.1 MORY|QBZ64785.1

>Orthogroup8406: CFRU|XP\_031882483.1 CGLO|KAF3807575.1 CHIG|XP\_018156359.1 CVIN|KAF4928898.1 CVYL|A02906 FGRM|XP\_011318946.1 MORY|QBZ62461.1 NCRA|XP\_955856.2

>Orthogroup8407: CFRU|XP\_031882375.1 CGLO|KAF3807565.1 CHIG|XP\_018156370.1 CVIN|KAF4928971.1 CVYL|A02917 FGRM|XP\_011318931.1 MORY|QBZ57114.1 NCRA|XP\_001728178.2

>Orthogroup8408: CFRU|XP\_031882523.1 CGLO|KAF3807555.1 CHIG|XP\_018156382.1 CVIN|KAF4928911.1 FGRM|XP\_011318943.1 MORY|QBZ57434.1 NCRA|XP\_001728177.1 SSCL|APA11619.1

>Orthogroup8409: CFRU|XP\_031882291.1 CGLO|KAF3804428.1 CHIG|XP\_018160250.1 CVIN|KAF4930904.1 CVYL|A04134 FGRM|XP\_011326881.1 MORY|QBZ60573.1 NCRA|XP\_961109.3

>Orthogroup8410: CFRU|XP\_031882024.1 CGLO|KAF3806109.1 CHIG|XP\_018164554.1 CVIN|KAF4902338.1 CVYL|A07404 FGRM|XP\_011326715.1 MORY|QBZ64908.1 NCRA|XP\_959978.2

>Orthogroup8411: CFRU|XP\_031882098.1 CGLO|KAF3797718.1 CHIG|XP\_018164823.1 CVIN|KAF4917542.1 CVYL|A11434 MLAR|XP\_007403706.1 MLAR|XP\_007414395.1 MORY|QBZ53642.1

>Orthogroup8412: CFRU|XP\_031877882.1 CFRU|XP\_031881996.1 CGLO|KAF3804765.1 CHIG|XP\_018164261.1 CVIN|KAF4929823.1 CVYL|A12315 FGRM|XP\_011315842.1 MGRA|XP\_003854719.1

>Orthogroup8413: CFRU|XP\_031881846.1 CGLO|KAF3797831.1 CHIG|XP\_018157673.1 CVIN|KAF4888683.1 CVYL|A04075 CVYL|A13011 NCRA|XP\_964778.2 SSCL|APA15679.1

>Orthogroup8414: CFRU|XP\_031881895.1 CGLO|KAF3797832.1 CGLO|KAF3800035.1 CHIG|XP\_018157672.1 CVIN|KAF4888681.1 CVYL|A05451 CVYL|A13010 FGRM|XP\_011323290.1

>Orthogroup8415: CFRU|XP\_031878239.1 CFRU|XP\_031881813.1 CGLO|KAF3797855.1 CGLO|KAF3808501.1 CVIN|KAF4892152.1 CVIN|KAF4917717.1 CVYL|A11520 CVYL|A11637

>Orthogroup8416: CFRU|XP\_031881855.1 CGLO|KAF3800388.1 CHIG|XP\_018159831.1 CHIG|XP\_018161293.1 CVIN|KAF4901606.1 CVYL|A11504 FGRM|XP\_011325767.1 MORY|QBZ61730.1

>Orthogroup8417: CFRU|XP\_031881428.1 CGLO|KAF3805756.1 CHIG|XP\_018163461.1 CHIG|XP\_018163660.1 CVIN|KAF4926605.1 FGRM|XP\_011316500.1 MORY|QBZ55229.1 MORY|QBZ64911.1

>Orthogroup8418: CFRU|XP\_031877941.1 CFRU|XP\_031881405.1 CGLO|KAF3805775.1 CGLO|KAF3810914.1 CHIG|XP\_018152832.1 CVIN|KAF4909523.1 CVIN|KAF4926632.1 CVYL|A02230

>Orthogroup8419: CFRU|XP\_031881352.1 CGLO|KAF3805813.1 CHIG|XP\_018163705.1 CVIN|KAF4920902.1 CVYL|A06012 FGRM|XP\_011318527.1 MORY|QBZ59749.1 NCRA|XP\_960522.2

>Orthogroup8420: CFRU|XP\_031881477.1 CFRU|XP\_031890897.1 CGLO|KAF3805818.1 CGLO|KAF3811766.1 CVIN|KAF4920892.1 CVIN|KAF4922984.1 CVYL|A06006 CVYL|A12773

>Orthogroup8421: CFRU|XP\_031881331.1 CFRU|XP\_031881332.1 CGLO|KAF3800932.1 CVIN|KAF4920915.1 CVYL|A05972 CVYL|A05973 FGRM|XP\_011317546.1 MGRA|XP\_003852821.1

>Orthogroup8422: CFRU|XP\_031881149.1 CGLO|KAF3802519.1 CHIG|XP\_018164956.1 CVIN|KAF4918994.1 CVYL|A02111 FGRM|XP\_011318104.1 MGRA|XP\_003848155.1 MGRA|XP\_003849513.1

>Orthogroup8423: CFRU|XP\_031880939.1 CFRU|XP\_031881174.1 CGLO|KAF3806911.1 CHIG|XP\_018161464.1 CHIG|XP\_018162648.1 CHIG|XP\_018162997.1 CVIN|KAF4921879.1 CVYL|A02554

>Orthogroup8424: CFRU|XP\_031881273.1 CGLO|KAF3802541.1 CHIG|XP\_018154842.1 CVIN|KAF4921857.1 CVYL|A02135 FGRM|XP\_011323038.1 MORY|QBZ60853.1 NCRA|XP\_959052.3

>Orthogroup8425: CFRU|XP\_031881112.1 CGLO|KAF3800445.1 CHIG|XP\_018161387.1 CVIN|KAF4902815.1 CVYL|A01831 FGRM|XP\_011321426.1 MORY|QBZ65274.1 NCRA|XP\_011394332.1

>Orthogroup8426: CFRU|XP\_031881073.1 CGLO|KAF3809903.1 CHIG|XP\_018161490.1 CVIN|KAF4930642.1 CVYL|A01715 FGRM|XP\_011324426.1 MGRA|XP\_003852953.1 MGRA|XP\_003857696.1

>Orthogroup8427: CFRU|XP\_031880913.1 CGLO|KAF3806936.1 CHIG|XP\_018159649.1 CVIN|KAF4919183.1 CVYL|A06228 FGRM|XP\_011320525.1 MORY|QBZ61874.1 NCRA|XP\_960517.3

>Orthogroup8428: CFRU|XP\_031880812.1 CGLO|KAF3806998.1 CHIG|XP\_018159670.1 CVIN|KAF4918793.1 CVYL|A06293 FGRM|XP\_011325894.1 MORY|QBZ59606.1 NCRA|XP\_963336.1

>Orthogroup8429: CFRU|XP\_031891433.1 CGLO|KAF3804731.1 CHIG|XP\_018157674.1 CHIG|XP\_018157873.1 CVIN|KAF4923368.1 CVYL|A05387 MORY|QBZ55222.1 MORY|QBZ63758.1

>Orthogroup8430: CFRU|XP\_031891605.1 CGLO|KAF3804721.1 CHIG|XP\_018161792.1 CVIN|KAF4923355.1 CVYL|A05400 FGRM|XP\_011321483.1 MORY|QBZ59678.1 NCRA|XP\_963116.2

>Orthogroup8431: CFRU|XP\_031889974.1 CFRU|XP\_031891612.1 CGLO|KAF3802853.1 CGLO|KAF3804629.1 CHIG|XP\_018155625.1 CVIN|KAF4919084.1 CVYL|A05160 CVYL|A05254

>Orthogroup8432: CFRU|XP\_031890690.1 CFRU|XP\_031891408.1 CGLO|KAF3806748.1 CVIN|KAF4919073.1 CVIN|KAF4919510.1 CVYL|A05266 CVYL|A14060 MGRA|XP\_003854943.1

>Orthogroup8433: CFRU|XP\_031891631.1 CGLO|KAF3797910.1 CHIG|XP\_018161610.1 CVIN|KAF4905693.1 CVYL|A05346 FGRM|XP\_011318658.1 MORY|QBZ61133.1 NCRA|XP\_958117.1

>Orthogroup8434: CFRU|XP\_031891362.1 CGLO|KAF3797921.1 CVIN|KAF4907825.1 CVYL|A05356 FGRM|XP\_011322517.1 MORY|QBZ60396.1 MORY|QBZ61144.1 MORY|QBZ66077.1

>Orthogroup8435: CFRU|XP\_031880699.1 CGLO|KAF3809964.1 CHIG|XP\_018161546.1 CVIN|KAF4914196.1 CVYL|A01659 FGRM|XP\_011322067.1 MLAR|XP\_007404482.1 MLAR|XP\_007411195.1

>Orthogroup8436: CFRU|XP\_031880678.1 CGLO|KAF3811184.1 CHIG|XP\_018159507.1 CVIN|KAF4931218.1 CVYL|A04347 FGRM|XP\_011323736.1 MORY|QBZ64680.1 NCRA|XP\_960889.3

>Orthogroup8437: CFRU|XP\_031880736.1 CGLO|KAF3811167.1 CHIG|XP\_018159487.1 CVIN|KAF4931229.1 CVYL|A04328 MGRA|XP\_003847689.1 MLAR|XP\_007409595.1 NCRA|XP\_011394603.1

>Orthogroup8438: CFRU|XP\_031880423.1 CFRU|XP\_031880489.1 CGLO|KAF3807314.1 CGLO|KAF3807315.1 CGLO|KAF3807316.1 CHIG|XP\_018156993.1 CVIN|KAF4918096.1 CVYL|A10801

>Orthogroup8439: CFRU|XP\_031880206.1 CGLO|KAF3809076.1 CHIG|XP\_018155916.1 CHIG|XP\_018155917.1 CVIN|KAF4919738.1 CVYL|A01635 MORY|QBZ57339.1 NCRA|XP\_957927.3

>Orthogroup8440: CFRU|XP\_031880200.1 CFRU|XP\_031890213.1 CGLO|KAF3798271.1 CGLO|KAF3809023.1 CVIN|KAF4916896.1 CVIN|KAF4918000.1 CVYL|A01597 CVYL|A09252

>Orthogroup8441: CFRU|XP\_031880226.1 CGLO|KAF3809010.1 CVIN|KAF4918011.1 CVYL|A01546 FGRM|XP\_011320545.1 FGRM|XP\_011321705.1 FGRM|XP\_011323047.1 FGRM|XP\_011325823.1

>Orthogroup8442: CFRU|XP\_031880172.1 CGLO|KAF3797728.1 CVIN|KAF4917547.1 CVYL|A08565 CVYL|A08606 CVYL|A08702 CVYL|A09930 CVYL|A11422

>Orthogroup8443: CFRU|XP\_031880144.1 CGLO|KAF3797743.1 CHIG|XP\_018151686.1 CVIN|KAF4917552.1 CVYL|A11410 FGRM|XP\_011324431.1 MLAR|XP\_007407294.1 MORY|QBZ58626.1

>Orthogroup8444: CFRU|XP\_031880159.1 CGLO|KAF3811826.1 CHIG|XP\_018151746.1 CVIN|KAF4924887.1 CVYL|A12830 FGRM|XP\_011319516.1 MORY|QBZ60755.1 NCRA|XP\_956942.3

>Orthogroup8445: CFRU|XP\_031880075.1 CGLO|KAF3811804.1 CVIN|KAF4924881.1 CVYL|A12808 MORY|QBZ61149.1 MORY|QBZ63338.1 MORY|QBZ64312.1 MORY|QBZ66536.1

>Orthogroup8446: CFRU|XP\_031879810.1 CGLO|KAF3802966.1 CHIG|XP\_018153647.1 CVIN|KAF4929996.1 CVYL|A00398 FGRM|XP\_011317096.1 MORY|QBZ63854.1 NCRA|XP\_965380.2

>Orthogroup8447: CFRU|XP\_031879682.1 CHIG|XP\_018154075.1 CVIN|KAF4919129.1 CVYL|A04939 FGRM|XP\_011315601.1 MGRA|XP\_003853261.1 MORY|QBZ63033.1 NCRA|XP\_001728268.2

>Orthogroup8448: CFRU|XP\_031879585.1 CGLO|KAF3802687.1 CHIG|XP\_018151476.1 CVIN|KAF4920437.1 CVYL|A08012 FGRM|XP\_011327327.1 MORY|QBZ58654.1 NCRA|XP\_011395265.1

>Orthogroup8449: CFRU|XP\_031890856.1 CGLO|KAF3811676.1 CHIG|XP\_018158407.1 CVIN|KAF4915953.1 CVYL|A12699 MGRA|XP\_003851569.1 MORY|QBZ64003.1 MORY|QBZ65243.1

>Orthogroup8450: CFRU|XP\_031890720.1 CGLO|KAF3801567.1 CHIG|XP\_018151994.1 CVIN|KAF4921110.1 CVYL|A12562 FGRM|XP\_011319249.1 NCRA|XP\_001728449.2 NCRA|XP\_001728450.2

>Orthogroup8451: CFRU|XP\_031879275.1 CHIG|XP\_018161563.1 CHIG|XP\_018163177.1 CHIG|XP\_018163178.1 CVIN|KAF4926164.1 CVYL|A12373 MORY|QBZ57654.1 MORY|QBZ66556.1

>Orthogroup8452: CFRU|XP\_031879386.1 CGLO|KAF3808606.1 CHIG|XP\_018155415.1 CHIG|XP\_018161561.1 CHIG|XP\_018163175.1 CVIN|KAF4926199.1 CVYL|A12376 MORY|QBZ57652.1

>Orthogroup8453: CFRU|XP\_031879230.1 CGLO|KAF3807053.1 CHIG|XP\_018159692.1 CVIN|KAF4920278.1 CVYL|A06347 FGRM|XP\_011323221.1 MORY|QBZ65478.1 SSCL|APA13718.1

>Orthogroup8454: CFRU|XP\_031879084.1 CFRU|XP\_031879100.1 CGLO|KAF3798783.1 CGLO|KAF3798784.1 CGLO|KAF3798785.1 CVIN|KAF4915275.1 CVYL|A09139 FGRM|XP\_011320677.1

>Orthogroup8455: CFRU|XP\_031877127.1 CFRU|XP\_031877146.1 CFRU|XP\_031879101.1 CGLO|KAF3798787.1 CGLO|KAF3804015.1 CHIG|XP\_018159988.1 CVIN|KAF4925133.1 CVYL|A08788

>Orthogroup8456: CFRU|XP\_031879055.1 CGLO|KAF3798834.1 CHIG|XP\_018151198.1 CVIN|KAF4919584.1 CVYL|A09099 FGRM|XP\_011325210.1 MGRA|XP\_003849095.1 MORY|QBZ55242.1

>Orthogroup8457: CFRU|XP\_031879104.1 CGLO|KAF3798874.1 CHIG|XP\_018153971.1 CVIN|KAF4920305.1 CVYL|A09061 MGRA|XP\_003849361.1 MORY|QBZ60252.1 MORY|QBZ65705.1

>Orthogroup8458: CFRU|XP\_031878839.1 CGLO|KAF3801771.1 CGLO|KAF3802576.1 CVIN|KAF4917603.1 CVIN|KAF4922919.1 CVYL|A01867 CVYL|A09625 CVYL|A12936

>Orthogroup8459: CFRU|XP\_031878791.1 CGLO|KAF3802583.1 CHIG|XP\_018151427.1 CVIN|KAF4917616.1 CVYL|A01873 FGRM|XP\_011319607.1 FGRM|XP\_011324742.1 NCRA|XP\_959982.1

>Orthogroup8460: CFRU|XP\_031878777.1 CGLO|KAF3802606.1 CHIG|XP\_018161309.1 CVIN|KAF4911618.1 CVYL|A01894 FGRM|XP\_011322367.1 MGRA|XP\_003853813.1 NCRA|XP\_958126.1

>Orthogroup8461: CFRU|XP\_031878873.1 CGLO|KAF3802608.1 CHIG|XP\_018161306.1 CHIG|XP\_018161307.1 CVIN|KAF4911614.1 CVYL|A01896 NCRA|XP\_011395344.1 NCRA|XP\_956421.2

>Orthogroup8462: CFRU|XP\_031878883.1 CGLO|KAF3802630.1 CHIG|XP\_018161294.1 CHIG|XP\_018162967.1 CVIN|KAF4921636.1 CVYL|A01924 FGRM|XP\_011321457.1 MORY|QBZ65087.1

>Orthogroup8463: CFRU|XP\_031877081.1 CFRU|XP\_031878855.1 CHIG|XP\_018161280.1 CVIN|KAF4909089.1 CVIN|KAF4909090.1 CVIN|KAF4921670.1 CVYL|A01953 MORY|QBZ66379.1

>Orthogroup8464: CFRU|XP\_031878138.1 CFRU|XP\_031878737.1 CGLO|KAF3801813.1 CGLO|KAF3803847.1 CHIG|XP\_018159332.1 CVIN|KAF4906652.1 CVIN|KAF4916969.1 CVYL|A12893

>Orthogroup8465: CFRU|XP\_031878423.1 CGLO|KAF3810780.1 CHIG|XP\_018162533.1 CVIN|KAF4932075.1 CVYL|A07170 FGRM|XP\_011319295.1 FGRM|XP\_011320566.1 MGRA|XP\_003848207.1

>Orthogroup8466: CFRU|XP\_031878298.1 CGLO|KAF3798103.1 CHIG|XP\_018158134.1 CVIN|KAF4927943.1 CVYL|A08254 FGRM|XP\_011317657.1 MORY|QBZ59800.1 MORY|QBZ65075.1

>Orthogroup8467: CFRU|XP\_031878350.1 CGLO|KAF3798098.1 CHIG|XP\_018158139.1 CVIN|KAF4927985.1 CVYL|A08262 MORY|QBZ62735.1 NCRA|XP\_957651.2 SSCL|APA14676.1

>Orthogroup8468: CFRU|XP\_031878276.1 CFRU|XP\_031878277.1 CGLO|KAF3798042.1 CHIG|XP\_018158092.1 CVIN|KAF4927948.1 CVYL|A08315 CVYL|A08316 CVYL|A08317

>Orthogroup8469: CFRU|XP\_031890580.1 CGLO|KAF3806727.1 CHIG|XP\_018158703.1 CVIN|KAF4919495.1 CVYL|A14037 FGRM|XP\_011317335.1 MORY|QBZ60456.1 NCRA|XP\_963930.3

>Orthogroup8470: CFRU|XP\_031890561.1 CGLO|KAF3798128.1 CHIG|XP\_018158646.1 CVIN|KAF4925958.1 CVYL|A13980 FGRM|XP\_011316427.1 MORY|QBZ62591.1 NCRA|XP\_963984.2

>Orthogroup8471: CFRU|XP\_031890613.1 CGLO|KAF3805267.1 CGLO|KAF3805268.1 CHIG|XP\_018158806.1 CHIG|XP\_018158807.1 CVIN|KAF4918665.1 CVYL|A13917 FGRM|XP\_011317303.1

>Orthogroup8472: CFRU|XP\_031890396.1 CGLO|KAF3802949.1 CHIG|XP\_018150772.1 CHIG|XP\_018160147.1 CVYL|A05481 MGRA|XP\_003849858.1 MGRA|XP\_003849859.1 MGRA|XP\_003855190.1

>Orthogroup8473: CFRU|XP\_031890512.1 CGLO|KAF3804897.1 CHIG|XP\_018164364.1 CVIN|KAF4909776.1 CVYL|A12161 FGRM|XP\_011328571.1 MGRA|XP\_003854658.1 NCRA|XP\_958648.1

>Orthogroup8474: CFRU|XP\_031878176.1 CGLO|KAF3808484.1 CHIG|XP\_018161982.1 CVIN|KAF4917726.1 CVYL|A11654 FGRM|XP\_011320992.1 MORY|QBZ62714.1 MORY|QBZ63726.1

>Orthogroup8475: CFRU|XP\_031878243.1 CGLO|KAF3808499.1 CHIG|XP\_018161110.1 CHIG|XP\_018161955.1 CVIN|KAF4917731.1 CVYL|A11640 FGRM|XP\_011315787.1 FGRM|XP\_011327690.1

>Orthogroup8476: CFRU|XP\_031878137.1 CGLO|KAF3801814.1 CHIG|XP\_018159331.1 CVIN|KAF4917000.1 CVYL|A12892 FGRM|XP\_011322059.1 FGRM|XP\_011322069.1 MORY|QBZ53404.1

>Orthogroup8477: CFRU|XP\_031878041.1 CGLO|KAF3799626.1 CHIG|XP\_018154630.1 CHIG|XP\_018154631.1 CVIN|KAF4926488.1 CVYL|A13488 MORY|QBZ61008.1 NCRA|XP\_011393685.1

>Orthogroup8478: CFRU|XP\_031878056.1 CGLO|KAF3799600.1 CHIG|XP\_018154595.1 CVIN|KAF4926499.1 CVYL|A13461 MORY|QBZ54402.1 NCRA|XP\_956479.1 SSCL|APA10544.1

>Orthogroup8479: CFRU|XP\_031876346.1 CFRU|XP\_031877905.1 CGLO|KAF3810942.1 CGLO|KAF3811860.1 CVIN|KAF4920589.1 CVYL|A02205 CVYL|A06197 FGRM|XP\_011321796.1

>Orthogroup8480: CFRU|XP\_031877861.1 CGLO|KAF3806613.1 CHIG|XP\_018164243.1 CVIN|KAF4929744.1 CVYL|A12323 FGRM|XP\_011316731.1 MORY|QBZ55433.1 NCRA|XP\_964637.2

>Orthogroup8481: CFRU|XP\_031877873.1 CGLO|KAF3804766.1 CHIG|XP\_018164259.1 CHIG|XP\_018164260.1 CVIN|KAF4929768.1 CVYL|A12314 FGRM|XP\_011316715.1 NCRA|XP\_964820.3

>Orthogroup8482: CFRU|XP\_031877779.1 CGLO|KAF3810680.1 CHIG|XP\_018162440.1 CVIN|KAF4916946.1 FGRM|XP\_011318450.1 NCRA|XP\_001728534.2 NCRA|XP\_011393767.1 NCRA|XP\_964402.1

>Orthogroup8483: CFRU|XP\_031877803.1 CGLO|KAF3810678.1 CHIG|XP\_018162435.1 CVIN|KAF4916948.1 CVYL|A07281 FGRM|XP\_011318445.1 MORY|QBZ55665.1 NCRA|XP\_011393892.1

>Orthogroup8484: CFRU|XP\_031877698.1 CGLO|KAF3797323.1 CHIG|XP\_018157186.1 CVIN|KAF4917674.1 CVYL|A10371 FGRM|XP\_011320242.1 MGRA|XP\_003853724.1 NCRA|XP\_964280.1

>Orthogroup8485: CFRU|XP\_031877710.1 CGLO|KAF3797356.1 CHIG|XP\_018157155.1 CVIN|KAF4929337.1 CVYL|A10334 FGRM|XP\_011320085.1 MORY|QBZ65942.1 NCRA|XP\_964626.1

>Orthogroup8486: CFRU|XP\_031890108.1 CGLO|KAF3810403.1 CHIG|XP\_018158390.1 CVIN|KAF4908475.1 CVYL|A12415 FGRM|XP\_011316504.1 MORY|QBZ65065.1 NCRA|XP\_965567.1

>Orthogroup8487: CFRU|XP\_031876131.1 CFRU|XP\_031890268.1 CGLO|KAF3802805.1 CGLO|KAF3810295.1 CVIN|KAF4908250.1 CVIN|KAF4918586.1 CVYL|A11375 MORY|QBZ64786.1

>Orthogroup8488: CFRU|XP\_031890173.1 CGLO|KAF3802890.1 CHIG|XP\_018158501.1 CVIN|KAF4913021.1 CVYL|A05123 FGRM|XP\_011316576.1 MORY|QBZ63224.1 NCRA|XP\_965040.1

>Orthogroup8489: CFRU|XP\_031889994.1 CGLO|KAF3802911.1 CGLO|KAF3802916.1 CGLO|KAF3802917.1 CVIN|KAF4925561.1 CVIN|KAF4925583.1 CVYL|A05098 MORY|QBZ60654.1

>Orthogroup8490: CFRU|XP\_031890054.1 CFRU|XP\_031890285.1 CGLO|KAF3798751.1 CGLO|KAF3808331.1 CHIG|XP\_018164676.1 CVIN|KAF4903204.1 CVYL|A09166 CVYL|A09212

>Orthogroup8491: CFRU|XP\_031890191.1 CGLO|KAF3798736.1 CHIG|XP\_018151261.1 CHIG|XP\_018155118.1 CVIN|KAF4896319.1 CVYL|A09178 MGRA|XP\_003852585.1 MORY|QBZ59952.1

>Orthogroup8492: CFRU|XP\_031890189.1 CGLO|KAF3798731.1 CHIG|XP\_018151263.1 CVIN|KAF4896317.1 CVYL|A09180 FGRM|XP\_011328072.1 MORY|QBZ55232.1 NCRA|XP\_962114.2

>Orthogroup8493: CFRU|XP\_031890053.1 CGLO|KAF3808326.1 CHIG|XP\_018151287.1 CVIN|KAF4910256.1 CVYL|A09206 FGRM|XP\_011323839.1 MORY|QBZ64597.1 NCRA|XP\_962469.1

>Orthogroup8494: CFRU|XP\_031877437.1 CGLO|KAF3808451.1 CGLO|KAF3809587.1 CHIG|XP\_018152987.1 CVIN|KAF4915203.1 CVYL|A11690 MORY|QBZ60243.1 MORY|QBZ64175.1

>Orthogroup8495: CFRU|XP\_031877360.1 CGLO|KAF3799919.1 CHIG|XP\_018153768.1 CVIN|KAF4906959.1 CVYL|A09604 FGRM|XP\_011322029.1 MLAR|XP\_007404080.1 MLAR|XP\_007404081.1

>Orthogroup8496: CFRU|XP\_031877377.1 CGLO|KAF3799913.1 CHIG|XP\_018153783.1 CHIG|XP\_018153784.1 CHIG|XP\_018153785.1 CVIN|KAF4903971.1 CVYL|A09609 FGRM|XP\_011327403.1

>Orthogroup8497: CFRU|XP\_031877296.1 CGLO|KAF3806803.1 CHIG|XP\_018159536.1 CVIN|KAF4908876.1 CVYL|A02460 MORY|QBZ55074.1 MORY|QBZ58998.1 NCRA|XP\_964641.1

>Orthogroup8498: CFRU|XP\_031877174.1 CGLO|KAF3806415.1 CHIG|XP\_018162300.1 CVIN|KAF4918065.1 CVYL|A12009 FGRM|XP\_011326557.1 MORY|QBZ59298.1 NCRA|XP\_011393858.1

>Orthogroup8499: CFRU|XP\_031876864.1 CFRU|XP\_031889676.1 CGLO|KAF3805967.1 CHIG|XP\_018164790.1 CVYL|A09672 CVYL|A13754 FGRM|XP\_011318073.1 FGRM|XP\_011322874.1

>Orthogroup8500: CFRU|XP\_031876899.1 CGLO|KAF3799833.1 CHIG|XP\_018153215.1 CHIG|XP\_018159368.1 CHIG|XP\_018161768.1 CVYL|A09680 FGRM|XP\_011325233.1 MORY|QBZ64407.1

>Orthogroup8501: CFRU|XP\_031876859.1 CGLO|KAF3810303.1 CHIG|XP\_018158008.1 CVIN|KAF4918587.1 CVYL|A11256 FGRM|XP\_011318260.1 MORY|QBZ59992.1 NCRA|XP\_962963.1

>Orthogroup8502: CFRU|XP\_031889556.1 CGLO|KAF3810459.1 CHIG|XP\_018159170.1 CVIN|KAF4924608.1 FGRM|XP\_011327289.1 MGRA|XP\_003854049.1 MORY|QBZ59203.1 NCRA|XP\_958000.1

>Orthogroup8503: CFRU|XP\_031889782.1 CGLO|KAF3810488.1 CHIG|XP\_018159122.1 CVIN|KAF4924638.1 CVYL|A14091 FGRM|XP\_011317197.1 MORY|QBZ62580.1 NCRA|XP\_963766.1

>Orthogroup8504: CFRU|XP\_031889665.1 CGLO|KAF3810508.1 CHIG|XP\_018159107.1 CVIN|KAF4891602.1 CVYL|A14113 MORY|QBZ55870.1 MORY|QBZ60840.1 NCRA|XP\_011395384.1

>Orthogroup8505: CFRU|XP\_031889862.1 CGLO|KAF3810525.1 CHIG|XP\_018159092.1 CVIN|KAF4914560.1 CVYL|A13604 FGRM|XP\_011322403.1 MGRA|XP\_003852422.1 MORY|QBZ57698.1

>Orthogroup8506: CFRU|XP\_031889895.1 CGLO|KAF3810638.1 CHIG|XP\_018158968.1 CVIN|KAF4917787.1 CVYL|A13721 MGRA|XP\_003849038.1 MORY|QBZ54139.1 NCRA|XP\_963576.3

>Orthogroup8507: CFRU|XP\_031889534.1 CGLO|KAF3805888.1 CHIG|XP\_018158896.1 CVIN|KAF4920782.1 CVYL|A13825 FGRM|XP\_011316693.1 MORY|QBZ64640.1 NCRA|XP\_959516.1

>Orthogroup8508: CFRU|XP\_031889823.1 CGLO|KAF3805226.1 CHIG|XP\_018158841.1 CVIN|KAF4911351.1 CVYL|A13874 FGRM|XP\_011317212.1 MORY|QBZ56107.1 NCRA|XP\_011393095.1

>Orthogroup8509: CFRU|XP\_031876651.1 CFRU|XP\_031876674.1 CGLO|KAF3801914.1 CHIG|XP\_018153367.1 CHIG|XP\_018159423.1 CHIG|XP\_018159426.1 CVIN|KAF4918698.1 CVYL|A02352

>Orthogroup8510: CFRU|XP\_031876571.1 CGLO|KAF3800895.1 CHIG|XP\_018150786.1 CVIN|KAF4911863.1 CVYL|A11138 FGRM|XP\_011323791.1 MORY|QBZ56528.1 NCRA|XP\_011394199.1

>Orthogroup8511: CFRU|XP\_031876544.1 CGLO|KAF3811473.1 CHIG|XP\_018160726.1 CVYL|A04677 FGRM|XP\_011317769.1 MGRA|XP\_003857725.1 MORY|QBZ58857.1 NCRA|XP\_001728545.1

>Orthogroup8512: CFRU|XP\_031889101.1 CGLO|KAF3808899.1 CVIN|KAF4914510.1 CVYL|A01190 FGRM|XP\_011318093.1 MLAR|XP\_007414441.1 MLAR|XP\_007419290.1 MORY|QBZ62711.1

>Orthogroup8513: CFRU|XP\_031889217.1 CGLO|KAF3808739.1 CHIG|XP\_018155636.1 CVIN|KAF4929584.1 CVYL|A00923 FGRM|XP\_011318080.1 MORY|QBZ65003.1 NCRA|XP\_960207.1

>Orthogroup8514: CFRU|XP\_031889422.1 CGLO|KAF3798413.1 CGLO|KAF3808723.1 CHIG|XP\_018160020.1 CVIN|KAF4920008.1 CVIN|KAF4929569.1 CVYL|A00937 CVYL|A11223

>Orthogroup8515: CFRU|XP\_031889374.1 CGLO|KAF3803149.1 CHIG|XP\_018156487.1 CVIN|KAF4928341.1 CVYL|A01035 FGRM|XP\_011315747.1 FGRM|XP\_011326093.1 SSCL|APA10229.1

>Orthogroup8516: CFRU|XP\_031889144.1 CGLO|KAF3797677.1 CHIG|XP\_018155454.1 CVIN|KAF4919389.1 CVYL|A01093 FGRM|XP\_011323894.1 MORY|QBZ64483.1 NCRA|XP\_960322.2

>Orthogroup8517: CFRU|XP\_031876330.1 CFRU|XP\_031876351.1 CGLO|KAF3811866.1 CHIG|XP\_018164814.1 CVIN|KAF4920567.1 CVYL|A06194 FGRM|XP\_011322861.1 FGRM|XP\_011327293.1

>Orthogroup8518: CGLO|KAF3804810.1 CGLO|KAF3807738.1 CGLO|KAF3808930.1 CHIG|XP\_018151542.1 FGRM|XP\_011315614.1 NCRA|XP\_011393435.1 NCRA|XP\_959396.3 SSCL|APA07877.1

>Orthogroup8519: CGLO|KAF3799118.1 CGLO|KAF3799119.1 CGLO|KAF3799120.1 CHIG|XP\_018155578.1 CVYL|A13772 FGRM|XP\_011327544.1 MORY|QBZ57946.1 NCRA|XP\_011393433.1

>Orthogroup8520: CHIG|XP\_018152703.1 CVYL|A10570 FGRM|XP\_011315649.1 FGRM|XP\_011323259.1 FGRM|XP\_011323263.1 FGRM|XP\_011327560.1 MORY|QBZ56204.1 NCRA|XP\_958260.2

>Orthogroup8521: FGRM|XP\_011318317.1 FGRM|XP\_011319636.1 FGRM|XP\_011320623.1 FGRM|XP\_011322209.1 FGRM|XP\_011323276.1 FGRM|XP\_011325186.1 FGRM|XP\_011325798.1 FGRM|XP\_011325844.1

>Orthogroup8522: FGRM|XP\_011319392.1 FGRM|XP\_011322509.1 FGRM|XP\_011324401.1 FGRM|XP\_011325749.1 FGRM|XP\_011328844.1 FGRM|XP\_011328845.1 MGRA|XP\_003853628.1 NCRA|XP\_960324.1

>Orthogroup8523: FGRM|XP\_011319732.1 FGRM|XP\_011322439.1 FGRM|XP\_011327498.1 MGRA|XP\_003851064.1 MGRA|XP\_003853020.1 MLAR|XP\_007413040.1 MORY|QBZ55119.1 MORY|QBZ59398.1

>Orthogroup8524: MGRA|XP\_003850825.1 MGRA|XP\_003850829.1 MGRA|XP\_003850830.1 MGRA|XP\_003851020.1 MGRA|XP\_003851021.1 MGRA|XP\_003851022.1 MGRA|XP\_003851023.1 MGRA|XP\_003851024.1

>Orthogroup8525: MGRA|XP\_003849312.1 MGRA|XP\_003849313.1 MGRA|XP\_003849317.1 MGRA|XP\_003849318.1 MGRA|XP\_003849796.1 MGRA|XP\_003849797.1 MGRA|XP\_003849798.1 MGRA|XP\_003849799.1

>Orthogroup8526: MGRA|XP\_003846966.1 MGRA|XP\_003847083.1 MGRA|XP\_003847119.1 MGRA|XP\_003847152.1 MGRA|XP\_003847161.1 MGRA|XP\_003847225.1 MGRA|XP\_003847307.1 MGRA|XP\_003847337.1

>Orthogroup8527: MLAR|XP\_007404162.1 MLAR|XP\_007407782.1 MLAR|XP\_007409312.1 MLAR|XP\_007409577.1 MLAR|XP\_007411211.1 MLAR|XP\_007414692.1 MLAR|XP\_007414853.1 MLAR|XP\_007416514.1

>Orthogroup8528: MLAR|XP\_007403529.1 MLAR|XP\_007409115.1 MLAR|XP\_007409118.1 MLAR|XP\_007410010.1 MLAR|XP\_007411907.1 MLAR|XP\_007412185.1 MLAR|XP\_007412862.1 MLAR|XP\_007412865.1

>Orthogroup8529: MLAR|XP\_007403614.1 MLAR|XP\_007403699.1 MLAR|XP\_007406078.1 MLAR|XP\_007410808.1 MLAR|XP\_007411565.1 MLAR|XP\_007413929.1 MLAR|XP\_007418868.1 MLAR|XP\_007419357.1

>Orthogroup8530: MLAR|XP\_007403847.1 MLAR|XP\_007403956.1 MLAR|XP\_007407320.1 MLAR|XP\_007410307.1 MLAR|XP\_007414143.1 MLAR|XP\_007416487.1 MLAR|XP\_007417636.1 MLAR|XP\_007419411.1

>Orthogroup8531: MLAR|XP\_007404250.1 MLAR|XP\_007404861.1 MLAR|XP\_007409305.1 MLAR|XP\_007412310.1 MLAR|XP\_007416985.1 MLAR|XP\_007417026.1 MLAR|XP\_007417027.1 MLAR|XP\_007418723.1

>Orthogroup8532: MLAR|XP\_007404829.1 MLAR|XP\_007404963.1 MLAR|XP\_007404964.1 MLAR|XP\_007406749.1 MLAR|XP\_007410028.1 MLAR|XP\_007412474.1 MLAR|XP\_007416625.1 MLAR|XP\_007416904.1

>Orthogroup8533: MLAR|XP\_007404822.1 MLAR|XP\_007406549.1 MLAR|XP\_007407098.1 MLAR|XP\_007407142.1 MLAR|XP\_007415621.1 MLAR|XP\_007416129.1 MLAR|XP\_007417899.1 MLAR|XP\_007418990.1

>Orthogroup8534: MLAR|XP\_007404278.1 MLAR|XP\_007404279.1 MLAR|XP\_007404280.1 MLAR|XP\_007404808.1 MLAR|XP\_007404809.1 MLAR|XP\_007407754.1 MLAR|XP\_007414186.1 MLAR|XP\_007417954.1

>Orthogroup8535: MLAR|XP\_007404286.1 MLAR|XP\_007408636.1 MLAR|XP\_007409479.1 MLAR|XP\_007409480.1 MLAR|XP\_007414275.1 MLAR|XP\_007414712.1 MLAR|XP\_007418961.1 MLAR|XP\_007419755.1

>Orthogroup8536: MLAR|XP\_007404379.1 MLAR|XP\_007408601.1 MLAR|XP\_007413256.1 MLAR|XP\_007413257.1 MLAR|XP\_007416945.1 MLAR|XP\_007416946.1 MLAR|XP\_007417798.1 MLAR|XP\_007417799.1

>Orthogroup8537: MLAR|XP\_007405127.1 MLAR|XP\_007405431.1 MLAR|XP\_007406143.1 MLAR|XP\_007407446.1 MLAR|XP\_007409960.1 MLAR|XP\_007411072.1 MLAR|XP\_007411783.1 MLAR|XP\_007415494.1

>Orthogroup8538: MLAR|XP\_007405403.1 MLAR|XP\_007405640.1 MLAR|XP\_007406652.1 MLAR|XP\_007410184.1 MLAR|XP\_007412377.1 MLAR|XP\_007415845.1 MLAR|XP\_007417065.1 MLAR|XP\_007418806.1

>Orthogroup8539: MLAR|XP\_007405387.1 MLAR|XP\_007407149.1 MLAR|XP\_007409777.1 MLAR|XP\_007410620.1 MLAR|XP\_007414511.1 MLAR|XP\_007416362.1 MLAR|XP\_007418504.1 MLAR|XP\_007418896.1

>Orthogroup8540: MLAR|XP\_007405091.1 MLAR|XP\_007410500.1 MLAR|XP\_007414118.1 MLAR|XP\_007414525.1 MLAR|XP\_007415413.1 MLAR|XP\_007415420.1 MLAR|XP\_007417353.1 MLAR|XP\_007419031.1

>Orthogroup8541: MLAR|XP\_007405178.1 MLAR|XP\_007409744.1 MLAR|XP\_007410222.1 MLAR|XP\_007410533.1 MLAR|XP\_007412182.1 MLAR|XP\_007414208.1 MLAR|XP\_007415901.1 MLAR|XP\_007416877.1

>Orthogroup8542: MLAR|XP\_007405587.1 MLAR|XP\_007408635.1 MLAR|XP\_007410988.1 MLAR|XP\_007410991.1 MLAR|XP\_007413138.1 MLAR|XP\_007416212.1 MLAR|XP\_007416348.1 MLAR|XP\_007419351.1

>Orthogroup8543: MLAR|XP\_007405675.1 MLAR|XP\_007410497.1 MLAR|XP\_007413994.1 MLAR|XP\_007414499.1 MLAR|XP\_007415540.1 MLAR|XP\_007417430.1 MLAR|XP\_007417708.1 MLAR|XP\_007418687.1

>Orthogroup8544: MLAR|XP\_007406573.1 MLAR|XP\_007406575.1 MLAR|XP\_007407422.1 MLAR|XP\_007408335.1 MLAR|XP\_007410607.1 MLAR|XP\_007412235.1 MLAR|XP\_007412240.1 MLAR|XP\_007417034.1

>Orthogroup8545: MLAR|XP\_007406555.1 MLAR|XP\_007406758.1 MLAR|XP\_007411691.1 MLAR|XP\_007412917.1 MLAR|XP\_007414264.1 MLAR|XP\_007419239.1 MLAR|XP\_007419289.1 MLAR|XP\_007419504.1

>Orthogroup8546: MLAR|XP\_007406527.1 MLAR|XP\_007407532.1 MLAR|XP\_007410852.1 MLAR|XP\_007415796.1 MLAR|XP\_007416272.1 MLAR|XP\_007417674.1 MLAR|XP\_007418383.1 MLAR|XP\_007419352.1

>Orthogroup8547: MLAR|XP\_007407387.1 MLAR|XP\_007410361.1 MLAR|XP\_007413071.1 MLAR|XP\_007413715.1 MLAR|XP\_007413804.1 MLAR|XP\_007413807.1 MLAR|XP\_007414003.1 MLAR|XP\_007414410.1

>Orthogroup8548: MLAR|XP\_007407678.1 MLAR|XP\_007408237.1 MLAR|XP\_007414097.1 MLAR|XP\_007416251.1 MLAR|XP\_007418354.1 MLAR|XP\_007418389.1 MLAR|XP\_007419463.1 MLAR|XP\_007419731.1

>Orthogroup8549: MLAR|XP\_007408251.1 MLAR|XP\_007411315.1 MLAR|XP\_007411679.1 MLAR|XP\_007413303.1 MLAR|XP\_007414587.1 MLAR|XP\_007417576.1 MLAR|XP\_007418185.1 MLAR|XP\_007419487.1

>Orthogroup8550: MLAR|XP\_007408950.1 MLAR|XP\_007408953.1 MLAR|XP\_007411670.1 MLAR|XP\_007412953.1 MLAR|XP\_007412965.1 MLAR|XP\_007412966.1 MLAR|XP\_007417849.1 MLAR|XP\_007417850.1

>Orthogroup8551: MLAR|XP\_007409363.1 MLAR|XP\_007411752.1 MLAR|XP\_007412296.1 MLAR|XP\_007412367.1 MLAR|XP\_007413908.1 MLAR|XP\_007413916.1 MLAR|XP\_007413935.1 MLAR|XP\_007413942.1

>Orthogroup8552: MLAR|XP\_007409567.1 MLAR|XP\_007411255.1 MLAR|XP\_007416181.1 MLAR|XP\_007416185.1 MLAR|XP\_007417629.1 MLAR|XP\_007417630.1 MLAR|XP\_007418501.1 MLAR|XP\_007418502.1

>Orthogroup8553: MLAR|XP\_007409578.1 MLAR|XP\_007411584.1 MLAR|XP\_007411884.1 MLAR|XP\_007411885.1 MLAR|XP\_007416139.1 MLAR|XP\_007416140.1 MLAR|XP\_007418784.1 MLAR|XP\_007419000.1

>Orthogroup8554: MLAR|XP\_007409727.1 MLAR|XP\_007409731.1 MLAR|XP\_007411322.1 MLAR|XP\_007413268.1 MLAR|XP\_007414509.1 MLAR|XP\_007417333.1 MLAR|XP\_007418929.1 MLAR|XP\_007419005.1

>Orthogroup8555: MLAR|XP\_007409770.1 MLAR|XP\_007409981.1 MLAR|XP\_007410605.1 MLAR|XP\_007411291.1 MLAR|XP\_007417317.1 MLAR|XP\_007417513.1 MLAR|XP\_007418639.1 MLAR|XP\_007419609.1

>Orthogroup8556: MLAR|XP\_007413415.1 MLAR|XP\_007413421.1 MLAR|XP\_007413422.1 MLAR|XP\_007413477.1 MLAR|XP\_007416548.1 MLAR|XP\_007416660.1 MLAR|XP\_007418375.1 MLAR|XP\_007418376.1

>Orthogroup8557: MORY|QBZ53558.1 MORY|QBZ53562.1 MORY|QBZ55093.1 MORY|QBZ63042.1 MORY|QBZ63330.1 MORY|QBZ64952.1 MORY|QBZ65600.1 MORY|QBZ66479.1

>Orthogroup8558: MORY|QBZ55524.1 MORY|QBZ57377.1 MORY|QBZ59186.1 MORY|QBZ59209.1 MORY|QBZ61695.1 MORY|QBZ63023.1 MORY|QBZ65206.1 MORY|QBZ66211.1

>Orthogroup8559: NCRA|XP\_001727966.2 NCRA|XP\_011394014.1 NCRA|XP\_958120.1 NCRA|XP\_959100.1 NCRA|XP\_962744.1 NCRA|XP\_962747.1 NCRA|XP\_962748.1 NCRA|XP\_962766.1

>Orthogroup8560: NCRA|XP\_011394796.1 NCRA|XP\_011394797.1 NCRA|XP\_959297.1 NCRA|XP\_960600.3 NCRA|XP\_960601.1 NCRA|XP\_960983.2 NCRA|XP\_960992.1 NCRA|XP\_960993.3

>Orthogroup8561: SSCL|APA07563.1 SSCL|APA10012.1 SSCL|APA10013.1 SSCL|APA10214.1 SSCL|APA10427.1 SSCL|APA10823.1 SSCL|APA15096.1 SSCL|APA15962.1

>Orthogroup8562: ANID|CBF69368.1 ANID|CBF70080.1 ANID|CBF81246.1 ANID|CBF89322.1 CVYL|A05464 FGRM|XP\_011327382.1 SSCL|APA16030.1

>Orthogroup8563: ANID|CBF69396.1 ANID|CBF71393.1 ANID|CBF84971.1 FGRM|XP\_011318117.1 FGRM|XP\_011321895.1 FGRM|XP\_011327584.1 FGRM|XP\_011328057.1

>Orthogroup8564: ANID|CBF69484.1 CFRU|XP\_031879617.1 CGLO|KAF3802741.1 CHIG|XP\_018151505.1 CVIN|KAF4910784.1 CVYL|A08062 FGRM|XP\_011322797.1

>Orthogroup8565: ANID|CBF69761.1 CFRU|XP\_031885458.1 CGLO|KAF3799542.1 CHIG|XP\_018154533.1 CVIN|KAF4931857.1 CVYL|A13402 FGRM|XP\_011324912.1

>Orthogroup8566: ANID|CBF70185.1 ANID|CBF78519.1 CFRU|XP\_031879959.1 CGLO|KAF3798998.1 CVIN|KAF4923449.1 CVYL|A07917 MORY|QBZ66488.1

>Orthogroup8567: ANID|CBF70284.1 CFRU|XP\_031892814.1 CGLO|KAF3807213.1 CHIG|XP\_018157019.1 CVIN|KAF4928197.1 CVYL|A10681 FGRM|XP\_011321432.1

>Orthogroup8568: ANID|CBF70514.1 CFRU|XP\_031879224.1 CHIG|XP\_018151748.1 CVIN|KAF4920253.1 CVYL|A06340 FGRM|XP\_011325848.1 MORY|QBZ65713.1

>Orthogroup8569: ANID|CBF70529.1 CFRU|XP\_031891852.1 CGLO|KAF3801354.1 CHIG|XP\_018164796.1 CVIN|KAF4913313.1 CVYL|A07727 FGRM|XP\_011315608.1

>Orthogroup8570: ANID|CBF70544.1 BCIN|XP\_024553068.1 CFRU|XP\_031876852.1 CGLO|KAF3797984.1 CHIG|XP\_018163628.1 CVIN|KAF4914923.1 SSCL|APA16273.1

>Orthogroup8571: ANID|CBF70583.1 CFRU|XP\_031888188.1 CGLO|KAF3802208.1 CHIG|XP\_018154320.1 CVIN|KAF4922760.1 CVYL|A03190 FGRM|XP\_011320757.1

>Orthogroup8572: ANID|CBF70683.1 CFRU|XP\_031878143.1 CFRU|XP\_031885264.1 CGLO|KAF3801840.1 CVIN|KAF4901588.1 CVYL|A12865 MORY|QBZ58408.1

>Orthogroup8573: ANID|CBF71190.1 CFRU|XP\_031884567.1 CGLO|KAF3810348.1 CVIN|KAF4899858.1 CVYL|A05760 FGRM|XP\_011321927.1 MGRA|XP\_003855449.1

>Orthogroup8574: ANID|CBF71192.1 ANID|CBF85294.1 CHIG|XP\_018158411.1 CHIG|XP\_018158722.1 FGRM|XP\_011322749.1 MORY|QBZ55875.1 MORY|QBZ57597.1

>Orthogroup8575: ANID|CBF71194.1 ANID|CBF71815.1 CFRU|XP\_031892300.1 CGLO|KAF3797182.1 CHIG|XP\_018151723.1 CVIN|KAF4920821.1 CVYL|A10512

>Orthogroup8576: ANID|CBF71222.1 CFRU|XP\_031875710.1 CFRU|XP\_031882137.1 CGLO|KAF3798156.1 CGLO|KAF3804344.1 CVIN|KAF4918341.1 CVYL|A04034

>Orthogroup8577: ANID|CBF71399.1 ANID|CBF71424.1 CFRU|XP\_031892280.1 CGLO|KAF3805608.1 CVIN|KAF4903409.1 CVYL|A07584 FGRM|XP\_011328634.1

>Orthogroup8578: ANID|CBF71476.1 CFRU|XP\_031881786.1 CGLO|KAF3797825.1 CHIG|XP\_018157668.1 CVIN|KAF4900993.1 CVYL|A13016 MGRA|XP\_003848440.1

>Orthogroup8579: ANID|CBF71585.1 CFRU|XP\_031880154.1 CGLO|KAF3811811.1 CHIG|XP\_018151730.1 CVIN|KAF4924896.1 CVYL|A12814 MGRA|XP\_003855453.1

>Orthogroup8580: ANID|CBF71749.1 CFRU|XP\_031893401.1 CGLO|KAF3808398.1 CHIG|XP\_018155192.1 CVIN|KAF4916826.1 CVIN|KAF4916854.1 CVYL|A09558

>Orthogroup8581: ANID|CBF73399.1 ANID|CBF82114.1 CFRU|XP\_031876458.1 CGLO|KAF3798000.1 CHIG|XP\_018158038.1 CVIN|KAF4905642.1 CVYL|A08354

>Orthogroup8582: ANID|CBF73495.1 ANID|CBF74924.1 BCIN|XP\_024552217.1 FGRM|XP\_011320120.1 FGRM|XP\_011322977.1 MGRA|XP\_003849664.1 MGRA|XP\_003852391.1

>Orthogroup8583: ANID|CBF73524.1 ANID|CBF80499.1 CFRU|XP\_031889496.1 CGLO|KAF3808874.1 CHIG|XP\_018154136.1 CVIN|KAF4896676.1 CVYL|A01208

>Orthogroup8584: ANID|CBF73572.1 CFRU|XP\_031877116.1 CGLO|KAF3803999.1 CHIG|XP\_018150934.1 CHIG|XP\_018163237.1 CVIN|KAF4925161.1 FGRM|XP\_011325349.1

>Orthogroup8585: ANID|CBF73618.1 ANID|CBF77081.1 CFRU|XP\_031879642.1 CGLO|KAF3802730.1 CVIN|KAF4910774.1 CVIN|KAF4910775.1 CVYL|A08053

>Orthogroup8586: ANID|CBF73643.1 ANID|CBF84443.1 CFRU|XP\_031875666.1 CFRU|XP\_031875847.1 CFRU|XP\_031877547.1 CGLO|KAF3807992.1 MORY|QBZ66674.1

>Orthogroup8587: ANID|CBF73688.1 CFRU|XP\_031880924.1 CGLO|KAF3806954.1 CHIG|XP\_018159641.1 CVIN|KAF4919168.1 CVYL|A06243 NCRA|XP\_955933.1

>Orthogroup8588: ANID|CBF73866.1 ANID|CBF87059.1 CFRU|XP\_031875994.1 CFRU|XP\_031880965.1 CGLO|KAF3800395.1 CVIN|KAF4930687.1 CVYL|A01790

>Orthogroup8589: ANID|CBF73947.1 CFRU|XP\_031880806.1 CGLO|KAF3806979.1 CHIG|XP\_018159627.1 CVIN|KAF4918769.1 CVYL|A06272 MORY|QBZ53704.1

>Orthogroup8590: ANID|CBF74069.1 BCIN|XP\_024546893.1 FGRM|XP\_011326449.1 MGRA|XP\_003850311.1 MORY|QBZ57460.1 NCRA|XP\_960995.1 SSCL|APA05845.1

>Orthogroup8591: ANID|CBF74180.1 BCIN|XP\_024552703.1 CFRU|XP\_031891828.1 CGLO|KAF3800067.1 CHIG|XP\_018150823.1 CVIN|KAF4919347.1 CVYL|A06766

>Orthogroup8592: ANID|CBF74599.1 CFRU|XP\_031881287.1 CGLO|KAF3810976.1 CHIG|XP\_018154186.1 CVIN|KAF4921863.1 CVYL|A02174 FGRM|XP\_011317567.1

>Orthogroup8593: ANID|CBF74860.1 CFRU|XP\_031884175.1 CGLO|KAF3803760.1 CHIG|XP\_018153156.1 CHIG|XP\_018160136.1 CVIN|KAF4886409.1 CVYL|A14140

>Orthogroup8594: ANID|CBF74862.1 CFRU|XP\_031884177.1 CGLO|KAF3803761.1 CHIG|XP\_018153157.1 CVYL|A14141 MLAR|XP\_007411001.1 MLAR|XP\_007416395.1

>Orthogroup8595: ANID|CBF75178.1 CFRU|XP\_031887877.1 CGLO|KAF3802023.1 CVIN|KAF4914258.1 CVYL|A03365 MGRA|XP\_003855097.1 MORY|QBZ54786.1

>Orthogroup8596: ANID|CBF75584.1 CFRU|XP\_031877468.1 CGLO|KAF3798403.1 CVIN|KAF4921621.1 CVYL|A01989 CVYL|A13447 MORY|QBZ61688.1

>Orthogroup8597: ANID|CBF75940.1 CFRU|XP\_031876849.1 CGLO|KAF3797989.1 CHIG|XP\_018158050.1 CVYL|A08364 MORY|QBZ59913.1 NCRA|XP\_965491.2

>Orthogroup8598: ANID|CBF76050.1 CFRU|XP\_031891007.1 CGLO|KAF3811704.1 CVIN|KAF4905041.1 CVYL|A12731 FGRM|XP\_011321845.1 FGRM|XP\_011322407.1

>Orthogroup8599: ANID|CBF76223.1 CFRU|XP\_031879969.1 CFRU|XP\_031884158.1 CFRU|XP\_031885265.1 CGLO|KAF3798971.1 CVIN|KAF4923474.1 CVYL|A07889

>Orthogroup8600: ANID|CBF76275.1 CFRU|XP\_031884355.1 CGLO|KAF3799941.1 CHIG|XP\_018153064.1 CVYL|A14187 MGRA|XP\_003848732.1 NCRA|XP\_962483.1

>Orthogroup8601: ANID|CBF77124.1 BCIN|XP\_001557055.2 CHIG|XP\_018154329.1 FGRM|XP\_011323308.1 MGRA|XP\_003850470.1 MORY|QBZ56850.1 SSCL|APA08509.1

>Orthogroup8602: ANID|CBF77230.1 FGRM|XP\_011321639.1 MGRA|XP\_003853626.1 MLAR|XP\_007408149.1 MORY|QBZ63322.1 MORY|QBZ65849.1 NCRA|XP\_960615.1

>Orthogroup8603: ANID|CBF77412.1 CFRU|XP\_031878336.1 CHIG|XP\_018158131.1 CVIN|KAF4927939.1 CVYL|A08257 FGRM|XP\_011323246.1 NCRA|XP\_011394446.1

>Orthogroup8604: ANID|CBF77522.1 BCIN|XP\_001546415.1 BGRA|VDB86341.1 MGRA|XP\_003848130.1 MORY|QBZ60988.1 NCRA|XP\_011393525.1 SSCL|APA12268.1

>Orthogroup8605: ANID|CBF77753.1 CFRU|XP\_031882558.1 CGLO|KAF3800480.1 CHIG|XP\_018152273.1 FGRM|XP\_011323674.1 MORY|QBZ53820.1 NCRA|XP\_956814.1

>Orthogroup8606: ANID|CBF78016.1 BCIN|XP\_024547755.1 CFRU|XP\_031880838.1 CGLO|KAF3806964.1 CVIN|KAF4919144.1 CVYL|A06254 SSCL|APA08012.1

>Orthogroup8607: ANID|CBF78022.1 CFRU|XP\_031890163.1 CGLO|KAF3802825.1 CHIG|XP\_018158430.1 CVIN|KAF4905798.1 CVYL|A12429 FGRM|XP\_011317455.1

>Orthogroup8608: ANID|CBF78054.1 CFRU|XP\_031877153.1 CGLO|KAF3803977.1 CHIG|XP\_018150966.1 CVIN|KAF4925186.1 CVYL|A08823 FGRM|XP\_011317983.1

>Orthogroup8609: ANID|CBF78103.1 CFRU|XP\_031881134.1 CGLO|KAF3809899.1 CGLO|KAF3809900.1 CVYL|A01718 FGRM|XP\_011321953.1 FGRM|XP\_011327433.1

>Orthogroup8610: ANID|CBF78152.1 BCIN|XP\_024551269.1 CFRU|XP\_031876114.1 CGLO|KAF3807373.1 CVIN|KAF4929542.1 CVYL|A10870 FGRM|XP\_011318644.1

>Orthogroup8611: ANID|CBF78261.1 BCIN|XP\_001553936.2 CFRU|XP\_031880672.1 CGLO|KAF3809962.1 CVIN|KAF4914190.1 CVYL|A01661 SSCL|APA13113.1

>Orthogroup8612: ANID|CBF78271.1 CFRU|XP\_031892374.1 CGLO|KAF3797279.1 CHIG|XP\_018154989.1 CHIG|XP\_018157271.1 CVIN|KAF4886533.1 CVYL|A10411

>Orthogroup8613: ANID|CBF78296.1 CFRU|XP\_031884847.1 CHIG|XP\_018153391.1 CVIN|KAF4918742.1 FGRM|XP\_011315683.1 MGRA|XP\_003856200.1 MORY|QBZ58672.1

>Orthogroup8614: ANID|CBF78298.1 CFRU|XP\_031891764.1 CGLO|KAF3809749.1 CHIG|XP\_018158217.1 CVIN|KAF4903849.1 CVYL|A06667 FGRM|XP\_011323535.1

>Orthogroup8615: ANID|CBF78312.1 ANID|CBF90241.1 BCIN|XP\_024552308.1 BGRA|VDB94860.1 FGRM|XP\_011321871.1 MGRA|XP\_003855213.1 SSCL|APA13265.1

>Orthogroup8616: ANID|CBF78542.1 CFRU|XP\_031879661.1 CHIG|XP\_018151769.1 CHIG|XP\_018163536.1 FGRM|XP\_011323272.1 MGRA|XP\_003852276.1 MORY|QBZ58351.1

>Orthogroup8617: ANID|CBF78574.1 CFRU|XP\_031881467.1 CGLO|KAF3805748.1 CHIG|XP\_018153205.1 CVYL|A09845 FGRM|XP\_011321992.1 FGRM|XP\_011328550.1

>Orthogroup8618: ANID|CBF78730.1 CFRU|XP\_031878856.1 CGLO|KAF3797506.1 CVIN|KAF4921666.1 CVYL|A01952 MORY|QBZ53320.1 MORY|QBZ56783.1

>Orthogroup8619: ANID|CBF78897.1 CFRU|XP\_031881905.1 CGLO|KAF3810007.1 CHIG|XP\_018157725.1 CVIN|KAF4913007.1 CVYL|A02607 FGRM|XP\_011315592.1

>Orthogroup8620: ANID|CBF78979.1 CFRU|XP\_031889517.1 CGLO|KAF3805910.1 CHIG|XP\_018158918.1 CVIN|KAF4898936.1 CVYL|A13799 FGRM|XP\_011326087.1

>Orthogroup8621: ANID|CBF78993.1 CFRU|XP\_031877951.1 CGLO|KAF3810927.1 CHIG|XP\_018154894.1 CVIN|KAF4909529.1 CVYL|A02218 FGRM|XP\_011318379.1

>Orthogroup8622: ANID|CBF79046.1 ANID|CBF90208.1 BCIN|XP\_024551407.1 CFRU|XP\_031877093.1 CGLO|KAF3804011.1 FGRM|XP\_011319922.1 FGRM|XP\_011322973.1

>Orthogroup8623: ANID|CBF79819.1 BCIN|XP\_001559533.1 BGRA|VDB89293.1 FGRM|XP\_011324091.1 MLAR|XP\_007412544.1 NCRA|XP\_956583.1 SSCL|APA09532.1

>Orthogroup8624: ANID|CBF79898.1 CFRU|XP\_031893180.1 CGLO|KAF3809642.1 CHIG|XP\_018152571.1 CVIN|KAF4896986.1 CVYL|A08415 FGRM|XP\_011319646.1

>Orthogroup8625: ANID|CBF80084.1 BCIN|XP\_001550131.1 FGRM|XP\_011315727.1 FGRM|XP\_011318327.1 FGRM|XP\_011327748.1 FGRM|XP\_011328603.1 SSCL|APA11367.1

>Orthogroup8626: ANID|CBF80093.1 CFRU|XP\_031880297.1 CGLO|KAF3808935.1 CHIG|XP\_018155768.1 CVIN|KAF4920743.1 MORY|QBZ62717.1 NCRA|XP\_958579.1

>Orthogroup8627: ANID|CBF80108.1 CFRU|XP\_031885722.1 CGLO|KAF3810019.1 CHIG|XP\_018157689.1 CVIN|KAF4917945.1 CVYL|A02618 FGRM|XP\_011320929.1

>Orthogroup8628: ANID|CBF80114.1 CFRU|XP\_031889601.1 CGLO|KAF3810567.1 CHIG|XP\_018159039.1 CVIN|KAF4914212.1 CVYL|A13646 MORY|QBZ59462.1

>Orthogroup8629: ANID|CBF80205.1 BCIN|XP\_001552326.1 CFRU|XP\_031877185.1 CGLO|KAF3806453.1 CVIN|KAF4897886.1 CVYL|A12051 SSCL|APA11162.1

>Orthogroup8630: ANID|CBF80320.1 BCIN|XP\_001555708.1 CFRU|XP\_031893155.1 CGLO|KAF3809459.1 CVYL|A10026 FGRM|XP\_011315863.1 SSCL|APA10090.1

>Orthogroup8631: ANID|CBF80400.1 ANID|CBF83678.1 BCIN|XP\_024546337.1 BGRA|VDB95108.1 FGRM|XP\_011320854.1 NCRA|XP\_956630.2 SSCL|APA06882.1

>Orthogroup8632: ANID|CBF80495.1 BCIN|XP\_024547553.1 CFRU|XP\_031889716.1 CGLO|KAF3805229.1 CVIN|KAF4911345.1 MGRA|XP\_003853502.1 MGRA|XP\_003856732.1

>Orthogroup8633: ANID|CBF80560.1 ANID|CBF82261.1 BCIN|XP\_001559359.1 CHIG|XP\_018161552.1 FGRM|XP\_011322378.1 FGRM|XP\_011324360.1 SSCL|APA07711.1

>Orthogroup8634: ANID|CBF80621.1 CFRU|XP\_031885899.1 CGLO|KAF3805486.1 CHIG|XP\_018155346.1 CVIN|KAF4913930.1 CVYL|A05614 FGRM|XP\_011327865.1

>Orthogroup8635: ANID|CBF80658.1 CFRU|XP\_031888457.1 CGLO|KAF3797811.1 CHIG|XP\_018151753.1 CVIN|KAF4923174.1 CVIN|KAF4923182.1 CVYL|A03040

>Orthogroup8636: ANID|CBF80677.1 CFRU|XP\_031883886.1 CGLO|KAF3805082.1 CHIG|XP\_018163431.1 CVIN|KAF4927431.1 CVYL|A06477 MGRA|XP\_003853385.1

>Orthogroup8637: ANID|CBF80750.1 BCIN|XP\_024548125.1 CFRU|XP\_031882226.1 CGLO|KAF3804310.1 CVIN|KAF4920101.1 CVYL|A03996 NCRA|XP\_964533.2

>Orthogroup8638: ANID|CBF81204.1 BCIN|XP\_024546359.1 CFRU|XP\_031888418.1 CGLO|KAF3803669.1 MGRA|XP\_003857429.1 MORY|QBZ54628.1 NCRA|XP\_011393184.1

>Orthogroup8639: ANID|CBF81651.1 CFRU|XP\_031879212.1 CGLO|KAF3807074.1 CHIG|XP\_018159741.1 CVIN|KAF4919029.1 CVYL|A06368 FGRM|XP\_011325741.1

>Orthogroup8640: ANID|CBF81674.1 CFRU|XP\_031889863.1 CGLO|KAF3810526.1 CHIG|XP\_018159095.1 CVIN|KAF4914559.1 FGRM|XP\_011322578.1 MGRA|XP\_003854636.1

>Orthogroup8641: ANID|CBF81689.1 BCIN|XP\_024552967.1 CFRU|XP\_031878268.1 CGLO|KAF3798041.1 CVIN|KAF4927947.1 CVYL|A08318 FGRM|XP\_011327414.1

>Orthogroup8642: ANID|CBF81695.1 CFRU|XP\_031881365.1 CGLO|KAF3805828.1 CHIG|XP\_018163720.1 CVIN|KAF4920926.1 CVYL|A05994 MGRA|XP\_003855127.1

>Orthogroup8643: ANID|CBF81698.1 CFRU|XP\_031892308.1 CGLO|KAF3797133.1 CVIN|KAF4896910.1 CVYL|A10567 FGRM|XP\_011323107.1 MGRA|XP\_003856693.1

>Orthogroup8644: ANID|CBF81774.1 ANID|CBF82220.1 ANID|CBF83904.1 ANID|CBF86039.1 MGRA|XP\_003857111.1 MORY|QBZ64107.1 MORY|QBZ64321.1

>Orthogroup8645: ANID|CBF82111.1 CFRU|XP\_031878249.1 CGLO|KAF3808519.1 CHIG|XP\_018161968.1 CVIN|KAF4891396.1 FGRM|XP\_011326109.1 MGRA|XP\_003853458.1

>Orthogroup8646: ANID|CBF82149.1 CFRU|XP\_031889662.1 CFRU|XP\_031889918.1 CGLO|KAF3810622.1 CHIG|XP\_018158979.1 CVIN|KAF4908279.1 CVYL|A13705

>Orthogroup8647: ANID|CBF82155.1 CFRU|XP\_031891624.1 CHIG|XP\_018161043.1 CVYL|A05368 FGRM|XP\_011315750.1 FGRM|XP\_011320814.1 MORY|QBZ57541.1

>Orthogroup8648: ANID|CBF82317.1 CFRU|XP\_031877033.1 CFRU|XP\_031884178.1 CGLO|KAF3799804.1 CHIG|XP\_018158969.1 CHIG|XP\_018164985.1 CVIN|KAF4886411.1

>Orthogroup8649: ANID|CBF82358.1 CFRU|XP\_031892270.1 CGLO|KAF3801255.1 CHIG|XP\_018153376.1 CVIN|KAF4921932.1 CVYL|A07835 MORY|QBZ62436.1

>Orthogroup8650: ANID|CBF82370.1 CFRU|XP\_031881012.1 CGLO|KAF3809874.1 CHIG|XP\_018161445.1 CVIN|KAF4930716.1 CVYL|A01744 FGRM|XP\_011320965.1

>Orthogroup8651: ANID|CBF82504.1 CFRU|XP\_031893317.1 CGLO|KAF3809644.1 CHIG|XP\_018152573.1 CVIN|KAF4896984.1 CVYL|A08417 FGRM|XP\_011319644.1

>Orthogroup8652: ANID|CBF82572.1 BCIN|XP\_001549227.1 BGRA|VDB90921.1 FGRM|XP\_011324332.1 MORY|QBZ53524.1 NCRA|XP\_958104.1 SSCL|APA09213.1

>Orthogroup8653: ANID|CBF82725.1 BCIN|XP\_001558906.1 BCIN|XP\_024550473.1 CFRU|XP\_031888148.1 CGLO|KAF3797595.1 MORY|QBZ63240.1 SSCL|APA05794.1

>Orthogroup8654: ANID|CBF82784.1 CFRU|XP\_031885716.1 CGLO|KAF3810153.1 CHIG|XP\_018157985.1 CVIN|KAF4929103.1 CVYL|A02743 NCRA|XP\_956080.3

>Orthogroup8655: ANID|CBF82806.1 BCIN|XP\_001549360.1 CFRU|XP\_031889408.1 CGLO|KAF3808915.1 CVIN|KAF4920756.1 CVYL|A01170 SSCL|APA06822.1

>Orthogroup8656: ANID|CBF82965.1 CGLO|KAF3808980.1 FGRM|XP\_011320675.1 FGRM|XP\_011322719.1 FGRM|XP\_011324797.1 MGRA|XP\_003852506.1 MGRA|XP\_003856058.1

>Orthogroup8657: ANID|CBF83074.1 CFRU|XP\_031876108.1 CGLO|KAF3807382.1 CVIN|KAF4929547.1 CVYL|A10875 FGRM|XP\_011326158.1 MORY|QBZ57792.1

>Orthogroup8658: ANID|CBF83247.1 CFRU|XP\_031880604.1 CHIG|XP\_018160798.1 CVIN|KAF4926745.1 CVYL|A04749 FGRM|XP\_011324843.1 MORY|QBZ58770.1

>Orthogroup8659: ANID|CBF83282.1 BCIN|XP\_001556910.2 CFRU|XP\_031889020.1 CGLO|KAF3799360.1 CVIN|KAF4910727.1 CVYL|A04608 FGRM|XP\_011323472.1

>Orthogroup8660: ANID|CBF83331.1 ANID|CBF86364.1 CFRU|XP\_031876075.1 CGLO|KAF3801988.1 CHIG|XP\_018152972.1 CVIN|KAF4919771.1 CVYL|A02419

>Orthogroup8661: ANID|CBF83397.1 BCIN|XP\_024550042.1 CFRU|XP\_031883128.1 CGLO|KAF3808224.1 CHIG|XP\_018163187.1 CVIN|KAF4914267.1 CVYL|A00565

>Orthogroup8662: ANID|CBF83400.1 BCIN|XP\_024550044.1 CFRU|XP\_031882956.1 CGLO|KAF3808306.1 CHIG|XP\_018163124.1 CVIN|KAF4924076.1 CVYL|A00642

>Orthogroup8663: ANID|CBF83575.1 CFRU|XP\_031883455.1 CGLO|KAF3811941.1 CVIN|KAF4908663.1 CVYL|A06125 MGRA|XP\_003849748.1 SSCL|APA09107.1

>Orthogroup8664: ANID|CBF83676.1 CFRU|XP\_031888946.1 CGLO|KAF3804163.1 CHIG|XP\_018159998.1 CVIN|KAF4918398.1 CVYL|A03835 FGRM|XP\_011325904.1

>Orthogroup8665: ANID|CBF83952.1 BCIN|XP\_001545913.1 CFRU|XP\_031886588.1 CGLO|KAF3804095.1 CHIG|XP\_018162672.1 CVIN|KAF4919524.1 CVYL|A07056

>Orthogroup8666: ANID|CBF84081.1 BCIN|XP\_001546438.1 FGRM|XP\_011319815.1 MGRA|XP\_003847598.1 MORY|QBZ65724.1 NCRA|XP\_011392909.1 SSCL|APA07255.1

>Orthogroup8667: ANID|CBF84357.1 CFRU|XP\_031885000.1 CFRU|XP\_031893080.1 CGLO|KAF3807651.1 CGLO|KAF3809577.1 CVIN|KAF4927803.1 MORY|QBZ62430.1

>Orthogroup8668: ANID|CBF84574.1 CFRU|XP\_031883971.1 CGLO|KAF3805104.1 CHIG|XP\_018163415.1 CVIN|KAF4927397.1 CVYL|A06454 MORY|QBZ60013.1

>Orthogroup8669: ANID|CBF84664.1 CFRU|XP\_031880635.1 CGLO|KAF3809933.1 CHIG|XP\_018161511.1 CVIN|KAF4930739.1 CVYL|A01691 FGRM|XP\_011316382.1

>Orthogroup8670: ANID|CBF84726.1 BCIN|XP\_001552268.2 BGRA|VDB89634.1 FGRM|XP\_011319288.1 MORY|QBZ63707.1 NCRA|XP\_001728314.2 SSCL|APA13040.1

>Orthogroup8671: ANID|CBF85166.1 CFRU|XP\_031881408.1 CGLO|KAF3805772.1 CHIG|XP\_018163665.1 CVIN|KAF4926627.1 CVYL|A06045 MORY|QBZ58358.1

>Orthogroup8672: ANID|CBF85425.1 CFRU|XP\_031876267.1 CFRU|XP\_031877255.1 CFRU|XP\_031891559.1 CGLO|KAF3805996.1 CVIN|KAF4925702.1 FGRM|XP\_011321057.1

>Orthogroup8673: ANID|CBF85569.1 CFRU|XP\_031888874.1 CFRU|XP\_031892909.1 CGLO|KAF3804219.1 CVIN|KAF4930142.1 CVIN|KAF4930143.1 CVYL|A03892

>Orthogroup8674: ANID|CBF85657.1 BCIN|XP\_024550385.1 CFRU|XP\_031881175.1 CGLO|KAF3802549.1 CVIN|KAF4921876.1 MGRA|XP\_003855634.1 SSCL|APA11077.1

>Orthogroup8675: ANID|CBF85683.1 CFRU|XP\_031884861.1 CGLO|KAF3801034.1 CHIG|XP\_018153291.1 CVIN|KAF4908685.1 CVYL|A00351 NCRA|XP\_955893.2

>Orthogroup8676: ANID|CBF85776.1 CFRU|XP\_031892105.1 CGLO|KAF3809732.1 CHIG|XP\_018164930.1 CVIN|KAF4903857.1 CVYL|A06656 FGRM|XP\_011322954.1

>Orthogroup8677: ANID|CBF86201.1 CFRU|XP\_031889247.1 CGLO|KAF3808822.1 CHIG|XP\_018155725.1 CVIN|KAF4908014.1 CVYL|A01256 FGRM|XP\_011324415.1

>Orthogroup8678: ANID|CBF86760.1 BCIN|XP\_024553267.1 CFRU|XP\_031881426.1 CGLO|KAF3805758.1 CVIN|KAF4926603.1 CVYL|A06058 FGRM|XP\_011325374.1

>Orthogroup8679: ANID|CBF87144.1 BCIN|XP\_001560053.1 BCIN|XP\_024553799.1 MGRA|XP\_003847471.1 MGRA|XP\_003849009.1 SSCL|APA09917.1 SSCL|APA15273.1

>Orthogroup8680: ANID|CBF87396.1 CFRU|XP\_031889281.1 CGLO|KAF3797683.1 CHIG|XP\_018155464.1 CVIN|KAF4919373.1 CVYL|A01088 MLAR|XP\_007408930.1

>Orthogroup8681: ANID|CBF87483.1 ANID|CBF87484.1 CFRU|XP\_031878245.1 CGLO|KAF3808508.1 CHIG|XP\_018161962.1 CVIN|KAF4917716.1 CVYL|A11631

>Orthogroup8682: ANID|CBF87489.1 CFRU|XP\_031879255.1 CGLO|KAF3807020.1 CHIG|XP\_018159689.1 CVIN|KAF4920266.1 CVYL|A06314 CVYL|A06315

>Orthogroup8683: ANID|CBF87724.1 CFRU|XP\_031884963.1 CGLO|KAF3801051.1 CHIG|XP\_018154076.1 CVIN|KAF4902322.1 CVYL|A00330 FGRM|XP\_011325992.1

>Orthogroup8684: ANID|CBF88128.1 BCIN|XP\_001560832.1 BGRA|VDB94822.1 MGRA|XP\_003855632.1 MORY|QBZ59564.1 NCRA|XP\_956767.2 SSCL|APA08060.1

>Orthogroup8685: ANID|CBF88225.1 BGRA|VDB84241.1 CFRU|XP\_031881617.1 FGRM|XP\_011328171.1 MORY|QBZ65579.1 NCRA|XP\_965068.2 SSCL|APA10862.1

>Orthogroup8686: ANID|CBF88380.1 BCIN|XP\_001546197.1 CFRU|XP\_031877479.1 CGLO|KAF3797524.1 CVIN|KAF4921642.1 CVYL|A01971 MORY|QBZ53549.1

>Orthogroup8687: ANID|CBF88670.1 CGLO|KAF3811884.1 CHIG|XP\_018155168.1 CVIN|KAF4920559.1 CVYL|A06177 FGRM|XP\_011318807.1 NCRA|XP\_011394399.1

>Orthogroup8688: ANID|CBF89129.1 CFRU|XP\_031883162.1 CGLO|KAF3807963.1 CHIG|XP\_018152529.1 CVIN|KAF4924032.1 CVYL|A00665 FGRM|XP\_011322055.1

>Orthogroup8689: ANID|CBF89570.1 CFRU|XP\_031888842.1 CGLO|KAF3804245.1 CHIG|XP\_018160079.1 CVIN|KAF4930115.1 CVYL|A03921 FGRM|XP\_011319388.1

>Orthogroup8690: ANID|CBF89887.1 CFRU|XP\_031879879.1 CGLO|KAF3798943.1 CHIG|XP\_018152869.1 CVIN|KAF4889611.1 MGRA|XP\_003852533.1 MORY|QBZ53361.1

>Orthogroup8691: ANID|CBF89941.1 CFRU|XP\_031889498.1 CGLO|KAF3805921.1 CHIG|XP\_018151326.1 MGRA|XP\_003852359.1 MGRA|XP\_003852477.1 NCRA|XP\_958655.2

>Orthogroup8692: ANID|CBF90284.1 CFRU|XP\_031879716.1 CGLO|KAF3798572.1 CHIG|XP\_018153963.1 CVIN|KAF4930167.1 CVYL|A04869 MGRA|XP\_003849680.1

>Orthogroup8693: BCIN|XP\_001555625.1 CFRU|XP\_031891467.1 CGLO|KAF3804669.1 CHIG|XP\_018161739.1 FGRM|XP\_011321537.1 NCRA|XP\_011394422.1 SSCL|APA07313.1

>Orthogroup8694: BCIN|XP\_024546131.1 CFRU|XP\_031879243.1 CGLO|KAF3807103.1 CHIG|XP\_018159755.1 CVIN|KAF4919037.1 CVYL|A06389 SSCL|APA06658.1

>Orthogroup8695: BCIN|XP\_024546189.1 CFRU|XP\_031884105.1 CGLO|KAF3803789.1 CVYL|A14162 FGRM|XP\_011323187.1 MORY|QBZ59474.1 SSCL|APA10289.1

>Orthogroup8696: BCIN|XP\_024546285.1 CFRU|XP\_031893454.1 CGLO|KAF3809551.1 CHIG|XP\_018152627.1 CVIN|KAF4918546.1 CVYL|A08471 FGRM|XP\_011319695.1

>Orthogroup8697: BCIN|XP\_001561142.1 CFRU|XP\_031876526.1 CGLO|KAF3811471.1 CHIG|XP\_018160723.1 MORY|QBZ56680.1 NCRA|XP\_955832.1 SSCL|APA07113.1

>Orthogroup8698: BCIN|XP\_001553563.2 CFRU|XP\_031878887.1 CGLO|KAF3807848.1 CHIG|XP\_018162970.1 CVIN|KAF4922619.1 CVYL|A00763 SSCL|APA06816.1

>Orthogroup8699: BCIN|XP\_024546658.1 BCIN|XP\_024549324.1 BCIN|XP\_024550891.1 FGRM|XP\_011319333.1 MGRA|XP\_003854476.1 MORY|QBZ58109.1 SSCL|APA11894.1

>Orthogroup8700: BCIN|XP\_001549349.1 BGRA|VDB88375.1 BGRA|VDB89901.1 BGRA|VDB95235.1 BGRA|VDB95307.1 MGRA|XP\_003853845.1 SSCL|APA06410.1

>Orthogroup8701: BCIN|XP\_024546799.1 CFRU|XP\_031879350.1 CGLO|KAF3808611.1 CHIG|XP\_018161905.1 CVIN|KAF4926161.1 CVYL|A12355 SSCL|APA10142.1

>Orthogroup8702: BCIN|XP\_001547203.2 BCIN|XP\_001552721.1 BCIN|XP\_001555851.1 BGRA|VCU40626.1 FGRM|XP\_011321724.1 SSCL|APA06089.1 SSCL|APA13174.1

>Orthogroup8703: BCIN|XP\_024546811.1 CFRU|XP\_031881048.1 CGLO|KAF3800430.1 CHIG|XP\_018159821.1 CVIN|KAF4901303.1 CVYL|A01820 SSCL|APA06079.1

>Orthogroup8704: BCIN|XP\_024546833.1 BCIN|XP\_024549924.1 CFRU|XP\_031893410.1 CGLO|KAF3808039.1 CVIN|KAF4922843.1 CVYL|A08193 SSCL|APA06048.1

>Orthogroup8705: BCIN|XP\_024546927.1 CFRU|XP\_031876661.1 CGLO|KAF3801918.1 CVIN|KAF4918696.1 CVYL|A02356 MORY|QBZ58275.1 MORY|QBZ64300.1

>Orthogroup8706: BCIN|XP\_001558835.1 BGRA|VDB93861.1 CFRU|XP\_031882650.1 CGLO|KAF3799395.1 MORY|QBZ54000.1 NCRA|XP\_956612.1 SSCL|APA05987.1

>Orthogroup8707: BCIN|XP\_024547009.1 BGRA|VCU40505.1 CHIG|XP\_018151530.1 CHIG|XP\_018156038.1 MORY|QBZ64241.1 NCRA|XP\_958379.1 SSCL|APA05886.1

>Orthogroup8708: BCIN|XP\_024547215.1 CFRU|XP\_031893561.1 CGLO|KAF3809531.1 CVIN|KAF4918549.1 CVYL|A08490 MGRA|XP\_003857490.1 MORY|QBZ60215.1

>Orthogroup8709: BCIN|XP\_024547235.1 BCIN|XP\_024551672.1 BCIN|XP\_024554069.1 FGRM|XP\_011322672.1 NCRA|XP\_011394012.1 SSCL|APA05320.1 SSCL|APA14180.1

>Orthogroup8710: BCIN|XP\_001547379.1 CFRU|XP\_031882018.1 CGLO|KAF3806112.1 CHIG|XP\_018164551.1 CVIN|KAF4911024.1 CVYL|A07401 SSCL|APA14220.1

>Orthogroup8711: BCIN|XP\_001551075.1 CFRU|XP\_031887835.1 CGLO|KAF3802070.1 CHIG|XP\_018157911.1 CVIN|KAF4917975.1 CVYL|A03316 SSCL|APA14265.1

>Orthogroup8712: BCIN|XP\_024547417.1 CFRU|XP\_031891340.1 CGLO|KAF3797412.1 CHIG|XP\_018163189.1 CVIN|KAF4929403.1 CVYL|A10265 FGRM|XP\_011321084.1

>Orthogroup8713: BCIN|XP\_024547471.1 CHIG|XP\_018152341.1 NCRA|XP\_957116.3 SSCL|APA07890.1 SSCL|APA07891.1 SSCL|APA09123.1 SSCL|APA13465.1

>Orthogroup8714: BCIN|XP\_024547508.1 CFRU|XP\_031876416.1 CGLO|KAF3798061.1 CGLO|KAF3801959.1 CHIG|XP\_018156190.1 CHIG|XP\_018156577.1 CVIN|KAF4919792.1

>Orthogroup8715: BCIN|XP\_024547676.1 CFRU|XP\_031877354.1 CGLO|KAF3799882.1 CHIG|XP\_018153812.1 CVIN|KAF4921748.1 CVYL|A09636 MORY|QBZ56154.1

>Orthogroup8716: BCIN|XP\_001560858.1 BCIN|XP\_024551460.1 CFRU|XP\_031891880.1 CGLO|KAF3800044.1 CHIG|XP\_018164935.1 CVIN|KAF4919350.1 CVYL|A06743

>Orthogroup8717: BCIN|XP\_024547806.1 CFRU|XP\_031880442.1 CGLO|KAF3807301.1 CVIN|KAF4918102.1 CVYL|A10787 FGRM|XP\_011327467.1 SSCL|APA08099.1

>Orthogroup8718: BCIN|XP\_001554899.1 CFRU|XP\_031884841.1 CGLO|KAF3812213.1 CHIG|XP\_018158408.1 CVIN|KAF4920966.1 MGRA|XP\_003849214.1 SSCL|APA08340.1

>Orthogroup8719: BCIN|XP\_024548232.1 CFRU|XP\_031875714.1 CGLO|KAF3798147.1 CHIG|XP\_018154040.1 CVIN|KAF4919121.1 CVYL|A04967 NCRA|XP\_960764.1

>Orthogroup8720: BCIN|XP\_001557501.2 CFRU|XP\_031887098.1 CGLO|KAF3811341.1 CHIG|XP\_018160597.1 CVIN|KAF4927209.1 CVYL|A04523 FGRM|XP\_011316052.1

>Orthogroup8721: BCIN|XP\_001557534.1 CFRU|XP\_031880254.1 CGLO|KAF3809034.1 CHIG|XP\_018155861.1 CVIN|KAF4923791.1 MGRA|XP\_003855938.1 SSCL|APA12362.1

>Orthogroup8722: BCIN|XP\_024548402.1 BCIN|XP\_024549319.1 BCIN|XP\_024549978.1 BCIN|XP\_024553193.1 SSCL|APA05308.1 SSCL|APA08993.1 SSCL|APA13458.1

>Orthogroup8723: BCIN|XP\_024548735.1 BCIN|XP\_024549283.1 BCIN|XP\_024551422.1 CFRU|XP\_031885634.1 CGLO|KAF3810064.1 CVIN|KAF4912752.1 CVYL|A02660

>Orthogroup8724: BCIN|XP\_024548914.1 CGLO|KAF3808441.1 CGLO|KAF3808443.1 CVYL|A11698 FGRM|XP\_011319415.1 FGRM|XP\_011323215.1 SSCL|APA09573.1

>Orthogroup8725: BCIN|XP\_001556158.2 BCIN|XP\_024548926.1 BCIN|XP\_024549257.1 MGRA|XP\_003849059.1 MGRA|XP\_003849819.1 MORY|QBZ62608.1 SSCL|APA08862.1

>Orthogroup8726: BCIN|XP\_024548977.1 CFRU|XP\_031892264.1 CGLO|KAF3801261.1 CVIN|KAF4921926.1 FGRM|XP\_011320501.1 NCRA|XP\_957685.2 SSCL|APA09561.1

>Orthogroup8727: BCIN|XP\_001548417.1 CFRU|XP\_031881953.1 CGLO|KAF3806008.1 CHIG|XP\_018164641.1 CVIN|KAF4925732.1 CVYL|A07504 SSCL|APA09280.1

>Orthogroup8728: BCIN|XP\_024549064.1 CFRU|XP\_031876044.1 CHIG|XP\_018158821.1 CVIN|KAF4918651.1 CVYL|A13904 SSCL|APA10342.1 SSCL|APA15845.1

>Orthogroup8729: BCIN|XP\_024549093.1 CFRU|XP\_031876532.1 CHIG|XP\_018160725.1 CVIN|KAF4907420.1 CVIN|KAF4907421.1 CVYL|A04676 SSCL|APA15910.1

>Orthogroup8730: BCIN|XP\_001556155.1 CFRU|XP\_031877324.1 CGLO|KAF3799899.1 CVIN|KAF4921719.1 CVYL|A09621 MGRA|XP\_003851671.1 NCRA|XP\_955816.3

>Orthogroup8731: BCIN|XP\_024549428.1 CFRU|XP\_031882874.1 CGLO|KAF3803372.1 CHIG|XP\_018163966.1 CVIN|KAF4915987.1 CVYL|A14289 FGRM|XP\_011316813.1

>Orthogroup8732: BCIN|XP\_024549620.1 CHIG|XP\_018160770.1 FGRM|XP\_011315772.1 FGRM|XP\_011317812.1 MORY|QBZ58759.1 NCRA|XP\_961912.3 SSCL|APA05764.1

>Orthogroup8733: BCIN|XP\_001558768.2 CFRU|XP\_031885693.1 CGLO|KAF3810085.1 CVIN|KAF4912750.1 CVYL|A02679 SSCL|APA05605.1 SSCL|APA05610.1

>Orthogroup8734: BCIN|XP\_024549699.1 CFRU|XP\_031880464.1 CGLO|KAF3807257.1 CHIG|XP\_018156929.1 CVIN|KAF4928184.1 CVYL|A10737 SSCL|APA05633.1

>Orthogroup8735: BCIN|XP\_001554128.2 CFRU|XP\_031892289.1 CGLO|KAF3801279.1 CHIG|XP\_018154931.1 CVIN|KAF4921592.1 CVYL|A07807 SSCL|APA05529.1

>Orthogroup8736: BCIN|XP\_024549917.1 CGLO|KAF3799557.1 CHIG|XP\_018154576.1 CHIG|XP\_018154610.1 CVYL|A13417 FGRM|XP\_011324898.1 MORY|QBZ61053.1

>Orthogroup8737: BCIN|XP\_024549930.1 CFRU|XP\_031893316.1 CGLO|KAF3809643.1 CHIG|XP\_018152572.1 CVIN|KAF4896987.1 CVYL|A08416 FGRM|XP\_011323143.1

>Orthogroup8738: BCIN|XP\_001552528.2 CFRU|XP\_031881759.1 CGLO|KAF3797858.1 CHIG|XP\_018157706.1 CVYL|A11519 FGRM|XP\_011322883.1 SSCL|APA10793.1

>Orthogroup8739: BCIN|XP\_001553442.1 CFRU|XP\_031886568.1 CGLO|KAF3804068.1 CHIG|XP\_018159273.1 CVIN|KAF4919563.1 CVYL|A07030 FGRM|XP\_011325415.1

>Orthogroup8740: BCIN|XP\_024550342.1 CFRU|XP\_031881579.1 CGLO|KAF3805418.1 CHIG|XP\_018156519.1 CVIN|KAF4917744.1 CVYL|A11065 MGRA|XP\_003852811.1

>Orthogroup8741: BCIN|XP\_001554626.1 CFRU|XP\_031891154.1 CGLO|KAF3804489.1 CHIG|XP\_018160318.1 CVIN|KAF4930925.1 CVYL|A04204 SSCL|APA11060.1

>Orthogroup8742: BCIN|XP\_001552295.1 CFRU|XP\_031892429.1 CGLO|KAF3797140.1 CVIN|KAF4898620.1 CVYL|A10557 MORY|QBZ65612.1 NCRA|XP\_011393414.1

>Orthogroup8743: BCIN|XP\_024550667.1 MGRA|XP\_003847449.1 MGRA|XP\_003852379.1 MGRA|XP\_003856866.1 MGRA|XP\_003856867.1 MGRA|XP\_003856874.1 SSCL|APA08519.1

>Orthogroup8744: BCIN|XP\_024550681.1 CFRU|XP\_031878995.1 CGLO|KAF3807844.1 CHIG|XP\_018153304.1 CHIG|XP\_018162966.1 CVIN|KAF4922621.1 CVYL|A00767

>Orthogroup8745: BCIN|XP\_001546670.1 CFRU|XP\_031881006.1 CGLO|KAF3800414.1 CHIG|XP\_018163229.1 CVIN|KAF4930681.1 CVYL|A01807 SSCL|APA11517.1

>Orthogroup8746: BCIN|XP\_024550714.1 CFRU|XP\_031876015.1 CFRU|XP\_031877589.1 CFRU|XP\_031882701.1 MORY|QBZ58981.1 NCRA|XP\_011394514.1 SSCL|APA13368.1

>Orthogroup8747: BCIN|XP\_001549418.1 CFRU|XP\_031877074.1 CGLO|KAF3805207.1 CVIN|KAF4909086.1 CVYL|A07948 FGRM|XP\_011318110.1 SSCL|APA11720.1

>Orthogroup8748: BCIN|XP\_001551664.1 BGRA|VCU39123.1 MGRA|XP\_003856396.1 MLAR|XP\_007406024.1 MLAR|XP\_007407330.1 MLAR|XP\_007407331.1 SSCL|APA11587.1

>Orthogroup8749: BCIN|XP\_024551268.1 CFRU|XP\_031879693.1 CGLO|KAF3798197.1 CVIN|KAF4916813.1 CVYL|A04922 MGRA|XP\_003851688.1 SSCL|APA10282.1

>Orthogroup8750: BCIN|XP\_001546854.1 CFRU|XP\_031888577.1 CHIG|XP\_018163754.1 CVIN|KAF4928573.1 CVYL|A14629 MORY|QBZ64170.1 SSCL|APA12725.1

>Orthogroup8751: BCIN|XP\_001556925.1 CFRU|XP\_031884488.1 CGLO|KAF3799036.1 CHIG|XP\_018158213.1 CVIN|KAF4912192.1 CVYL|A11491 SSCL|APA10537.1

>Orthogroup8752: BCIN|XP\_024551413.1 CFRU|XP\_031880190.1 CGLO|KAF3809044.1 CHIG|XP\_018155868.1 CVIN|KAF4923776.1 CVYL|A01619 FGRM|XP\_011322972.1

>Orthogroup8753: BCIN|XP\_024551551.1 CFRU|XP\_031878214.1 CGLO|KAF3808474.1 CHIG|XP\_018161947.1 CVIN|KAF4915217.1 CVYL|A11666 SSCL|APA14928.1

>Orthogroup8754: BCIN|XP\_001556606.2 CFRU|XP\_031883992.1 CGLO|KAF3805142.1 CHIG|XP\_018163371.1 CVIN|KAF4927404.1 CVYL|A06414 SSCL|APA06278.1

>Orthogroup8755: BCIN|XP\_001556868.2 CGLO|KAF3804959.1 CHIG|XP\_018164465.1 FGRM|XP\_011317114.1 MORY|QBZ61474.1 NCRA|XP\_958623.3 SSCL|APA14817.1

>Orthogroup8756: BCIN|XP\_024551901.1 CFRU|XP\_031876512.1 CGLO|KAF3797010.1 CHIG|XP\_018153674.1 FGRM|XP\_011317158.1 MORY|QBZ63934.1 SSCL|APA06318.1

>Orthogroup8757: BCIN|XP\_001549134.2 CFRU|XP\_031892325.1 CGLO|KAF3812275.1 CVYL|A00108 FGRM|XP\_011316088.1 MORY|QBZ55564.1 SSCL|APA06332.1

>Orthogroup8758: BCIN|XP\_024551972.1 MGRA|XP\_003855318.1 MGRA|XP\_003857640.1 SSCL|APA05417.1 SSCL|APA06502.1 SSCL|APA12696.1 SSCL|APA15934.1

>Orthogroup8759: BCIN|XP\_001557936.1 CFRU|XP\_031878889.1 CGLO|KAF3807853.1 CVIN|KAF4922604.1 CVYL|A00758 MORY|QBZ53803.1 MORY|QBZ66670.1

>Orthogroup8760: BCIN|XP\_024552013.1 CFRU|XP\_031876646.1 CGLO|KAF3801906.1 CHIG|XP\_018161714.1 CVIN|KAF4918713.1 CVYL|A02346 MGRA|XP\_003855102.1

>Orthogroup8761: BCIN|XP\_024552102.1 CFRU|XP\_031883023.1 CGLO|KAF3808227.1 CHIG|XP\_018163184.1 CVIN|KAF4914246.1 CVYL|A00568 FGRM|XP\_011327861.1

>Orthogroup8762: BCIN|XP\_024552243.1 CFRU|XP\_031891745.1 CGLO|KAF3800162.1 CHIG|XP\_018165101.1 CVIN|KAF4925802.1 CVYL|A06859 FGRM|XP\_011322328.1

>Orthogroup8763: BCIN|XP\_001553907.1 CFRU|XP\_031893139.1 CGLO|KAF3809605.1 CHIG|XP\_018163418.1 CVIN|KAF4919211.1 CVYL|A08436 SSCL|APA13138.1

>Orthogroup8764: BCIN|XP\_024552403.1 CHIG|XP\_018150706.1 MLAR|XP\_007407493.1 MLAR|XP\_007419744.1 SSCL|APA08426.1 SSCL|APA14437.1 SSCL|APA14935.1

>Orthogroup8765: BCIN|XP\_024552406.1 CFRU|XP\_031880991.1 CGLO|KAF3800460.1 CHIG|XP\_018161364.1 CVIN|KAF4917592.1 CVYL|A01843 FGRM|XP\_011327374.1

>Orthogroup8766: BCIN|XP\_024552412.1 CHIG|XP\_018159861.1 CHIG|XP\_018161877.1 CHIG|XP\_018165001.1 FGRM|XP\_011323198.1 SSCL|APA12030.1 SSCL|APA15912.1

>Orthogroup8767: BCIN|XP\_001556295.1 CFRU|XP\_031883058.1 CGLO|KAF3800721.1 CHIG|XP\_018157436.1 CVIN|KAF4919637.1 CVYL|A00483 SSCL|APA15683.1

>Orthogroup8768: BCIN|XP\_024552636.1 CFRU|XP\_031883272.1 CGLO|KAF3800501.1 CHIG|XP\_018152207.1 CVIN|KAF4919230.1 FGRM|XP\_011321312.1 SSCL|APA15610.1

>Orthogroup8769: BCIN|XP\_024552831.1 CFRU|XP\_031885639.1 CGLO|KAF3810067.1 CHIG|XP\_018150931.1 CVYL|A02663 MGRA|XP\_003853887.1 SSCL|APA16167.1

>Orthogroup8770: BCIN|XP\_024553015.1 FGRM|XP\_011321197.1 MGRA|XP\_003857501.1 MLAR|XP\_007404097.1 MORY|QBZ57264.1 NCRA|XP\_963537.2 SSCL|APA16201.1

>Orthogroup8771: BCIN|XP\_024553136.1 CFRU|XP\_031886449.1 CGLO|KAF3805313.1 CHIG|XP\_018158404.1 CVYL|A11748 FGRM|XP\_011323226.1 FGRM|XP\_011325228.1

>Orthogroup8772: BCIN|XP\_024553157.1 CFRU|XP\_031880063.1 CGLO|KAF3811854.1 CHIG|XP\_018151701.1 CVIN|KAF4924914.1 CVYL|A11398 SSCL|APA13337.1

>Orthogroup8773: BCIN|XP\_024553229.1 CFRU|XP\_031892442.1 CGLO|KAF3812251.1 CHIG|XP\_018153457.1 CVIN|KAF4919890.1 CVYL|A00134 SSCL|APA13489.1

>Orthogroup8774: BCIN|XP\_001548497.2 CFRU|XP\_031888416.1 CGLO|KAF3803671.1 CHIG|XP\_018163787.1 CVIN|KAF4928563.1 CVYL|A14602 SSCL|APA13837.1

>Orthogroup8775: BCIN|XP\_001548477.2 CFRU|XP\_031882716.1 CGLO|KAF3803398.1 CVIN|KAF4918412.1 CVYL|A14328 NCRA|XP\_965308.1 SSCL|APA13823.1

>Orthogroup8776: BCIN|XP\_024553497.1 CFRU|XP\_031877523.1 CGLO|KAF3797518.1 CHIG|XP\_018160021.1 CVIN|KAF4921630.1 CVYL|A01966 SSCL|APA13794.1

>Orthogroup8777: BCIN|XP\_001549741.1 CFRU|XP\_031876549.1 CHIG|XP\_018160748.1 MLAR|XP\_007418369.1 MORY|QBZ56319.1 NCRA|XP\_962323.2 SSCL|APA13877.1

>Orthogroup8778: BCIN|XP\_024553754.1 CFRU|XP\_031892077.1 CGLO|KAF3801400.1 CGLO|KAF3808680.1 CVIN|KAF4922365.1 CVYL|A07682 NCRA|XP\_001728069.2

>Orthogroup8779: BCIN|XP\_001547787.1 CFRU|XP\_031883312.1 CGLO|KAF3801754.1 CVIN|KAF4922901.1 CVYL|A12950 FGRM|XP\_011325438.1 SSCL|APA15425.1

>Orthogroup8780: BGRA|VCU38750.1 BGRA|VCU38827.1 BGRA|VCU39594.1 BGRA|VDB89626.1 BGRA|VDB90780.1 BGRA|VDB95048.1 BGRA|VDB96320.1

>Orthogroup8781: BGRA|VCU38756.1 BGRA|VDB83568.1 BGRA|VDB88038.1 BGRA|VDB88041.1 BGRA|VDB88042.1 BGRA|VDB88044.1 BGRA|VDB88049.1

>Orthogroup8782: BGRA|VCU38837.1 CFRU|XP\_031890924.1 CGLO|KAF3811744.1 CVIN|KAF4922993.1 CVYL|A12759 FGRM|XP\_011326062.1 NCRA|XP\_963276.3

>Orthogroup8783: BGRA|VCU38918.1 BGRA|VDB84350.1 BGRA|VDB84354.1 BGRA|VDB84355.1 BGRA|VDB84393.1 BGRA|VDB88807.1 BGRA|VDB92413.1

>Orthogroup8784: BGRA|VCU38979.1 BGRA|VCU39360.1 BGRA|VDB85765.1 BGRA|VDB88987.1 BGRA|VDB89646.1 BGRA|VDB93128.1 BGRA|VDB94687.1

>Orthogroup8785: BGRA|VCU38985.1 BGRA|VCU41148.1 BGRA|VCU41281.1 BGRA|VDB83910.1 BGRA|VDB86084.1 BGRA|VDB89708.1 BGRA|VDB93683.1

>Orthogroup8786: BGRA|VCU39044.1 BGRA|VDB85738.1 BGRA|VDB87834.1 BGRA|VDB93001.1 BGRA|VDB93003.1 BGRA|VDB93005.1 BGRA|VDB93017.1

>Orthogroup8787: BGRA|VCU39296.1 BGRA|VCU39351.1 BGRA|VCU40410.1 BGRA|VDB88116.1 BGRA|VDB88276.1 BGRA|VDB93776.1 BGRA|VDB93962.1

>Orthogroup8788: BGRA|VCU39717.1 BGRA|VCU39876.1 BGRA|VCU40450.1 BGRA|VCU40624.1 BGRA|VDB89953.1 BGRA|VDB92441.1 BGRA|VDB96460.1

>Orthogroup8789: BGRA|VCU40012.1 BGRA|VCU40191.1 BGRA|VCU41169.1 BGRA|VDB88168.1 BGRA|VDB88268.1 BGRA|VDB90707.1 BGRA|VDB94564.1

>Orthogroup8790: BGRA|VCU40769.1 BGRA|VCU40778.1 BGRA|VCU40779.1 BGRA|VCU40783.1 BGRA|VCU40785.1 BGRA|VCU40791.1 BGRA|VCU40816.1

>Orthogroup8791: BGRA|VCU40946.1 BGRA|VCU40947.1 BGRA|VCU41411.1 BGRA|VDB88745.1 BGRA|VDB88751.1 BGRA|VDB88755.1 BGRA|VDB88761.1

>Orthogroup8792: BGRA|VDB85977.1 BGRA|VDB87999.1 BGRA|VDB89553.1 BGRA|VDB90847.1 BGRA|VDB92411.1 BGRA|VDB92793.1 BGRA|VDB94770.1

>Orthogroup8793: BGRA|VDB87572.1 BGRA|VDB87576.1 BGRA|VDB87578.1 BGRA|VDB87594.1 BGRA|VDB88026.1 BGRA|VDB88030.1 BGRA|VDB88034.1

>Orthogroup8794: BGRA|VDB89459.1 BGRA|VDB89469.1 BGRA|VDB89475.1 BGRA|VDB89479.1 BGRA|VDB89482.1 BGRA|VDB89632.1 BGRA|VDB89654.1

>Orthogroup8795: BGRA|VDB89584.1 BGRA|VDB92948.1 BGRA|VDB93191.1 BGRA|VDB93238.1 BGRA|VDB93601.1 BGRA|VDB94522.1 BGRA|VDB94703.1

>Orthogroup8796: BGRA|VDB90595.1 CFRU|XP\_031888378.1 CGLO|KAF3803599.1 CHIG|XP\_018163866.1 CVIN|KAF4920350.1 CVYL|A14534 FGRM|XP\_011316777.1

>Orthogroup8797: BGRA|VDB92415.1 BGRA|VDB92419.1 BGRA|VDB92429.1 BGRA|VDB92431.1 BGRA|VDB92445.1 BGRA|VDB92447.1 BGRA|VDB92449.1

>Orthogroup8798: CFRU|XP\_031888895.1 CFRU|XP\_031893192.1 CGLO|KAF3804299.1 CVIN|KAF4920115.1 CVIN|KAF4925172.1 CVYL|A03987 CVYL|A08779

>Orthogroup8799: CFRU|XP\_031886098.1 CFRU|XP\_031893260.1 CGLO|KAF3811992.1 CHIG|XP\_018155252.1 CVIN|KAF4930425.1 CVYL|A05515 FGRM|XP\_011318486.1

>Orthogroup8800: CFRU|XP\_031893572.1 CGLO|KAF3808089.1 CHIG|XP\_018150680.1 CHIG|XP\_018152790.1 CVIN|KAF4920626.1 CVYL|A08144 NCRA|XP\_958538.2

>Orthogroup8801: CFRU|XP\_031893411.1 CGLO|KAF3808042.1 CVIN|KAF4922823.1 CVYL|A08190 FGRM|XP\_011317986.1 MORY|QBZ58257.1 NCRA|XP\_960638.1

>Orthogroup8802: CFRU|XP\_031893130.1 CFRU|XP\_031893131.1 CGLO|KAF3809482.1 CGLO|KAF3809483.1 CVIN|KAF4921275.1 CVYL|A10049 CVYL|A10050

>Orthogroup8803: CFRU|XP\_031893574.1 CFRU|XP\_031893576.1 CGLO|KAF3809507.1 CHIG|XP\_018152651.1 CHIG|XP\_018152653.1 CVIN|KAF4918574.1 CVYL|A08509

>Orthogroup8804: CFRU|XP\_031893579.1 CGLO|KAF3809509.1 CHIG|XP\_018152650.1 CVIN|KAF4917800.1 CVIN|KAF4918573.1 CVIN|KAF4926870.1 CVYL|A08508

>Orthogroup8805: CFRU|XP\_031891194.1 CFRU|XP\_031893581.1 CGLO|KAF3809511.1 CHIG|XP\_018152648.1 CVIN|KAF4918571.1 CVIN|KAF4923059.1 CVYL|A08506

>Orthogroup8806: CFRU|XP\_031893278.1 CGLO|KAF3809541.1 CHIG|XP\_018152635.1 CVIN|KAF4918565.1 CVYL|A08481 MORY|QBZ58225.1 MORY|QBZ59363.1

>Orthogroup8807: CFRU|XP\_031879541.1 CFRU|XP\_031892917.1 CGLO|KAF3802750.1 CGLO|KAF3809553.1 CVIN|KAF4918548.1 CVYL|A08469 FGRM|XP\_011327741.1

>Orthogroup8808: CFRU|XP\_031890643.1 CFRU|XP\_031890673.1 CFRU|XP\_031893138.1 CGLO|KAF3804846.1 CVIN|KAF4900681.1 CVYL|A08438 CVYL|A12226

>Orthogroup8809: CFRU|XP\_031893103.1 CGLO|KAF3809616.1 CHIG|XP\_018152588.1 CVIN|KAF4919195.1 CVYL|A08427 MORY|QBZ59948.1 NCRA|XP\_957415.2

>Orthogroup8810: CFRU|XP\_031884378.1 CFRU|XP\_031893348.1 CGLO|KAF3799040.1 CGLO|KAF3809665.1 CGLO|KAF3809666.1 CVIN|KAF4925031.1 FGRM|XP\_011318121.1

>Orthogroup8811: CFRU|XP\_031880230.1 CFRU|XP\_031893367.1 CGLO|KAF3809681.1 CVIN|KAF4920850.1 CVIN|KAF4924998.1 CVYL|A01291 CVYL|A09590

>Orthogroup8812: CFRU|XP\_031890306.1 CFRU|XP\_031890307.1 CFRU|XP\_031893373.1 CGLO|KAF3810383.1 CVIN|KAF4909103.1 CVIN|KAF4909108.1 CVYL|A05729

>Orthogroup8813: CFRU|XP\_031893390.1 CGLO|KAF3808410.1 CVIN|KAF4924993.1 CVYL|A09569 CVYL|A09570 MORY|QBZ63715.1 NCRA|XP\_963062.1

>Orthogroup8814: CFRU|XP\_031891053.1 CFRU|XP\_031893039.1 CFRU|XP\_031893040.1 CGLO|KAF3808404.1 CVIN|KAF4909954.1 CVIN|KAF4915933.1 CVYL|A12706

>Orthogroup8815: CFRU|XP\_031893494.1 CGLO|KAF3807999.1 CHIG|XP\_018152380.1 CVIN|KAF4895813.1 CVYL|A09483 FGRM|XP\_011317729.1 MGRA|XP\_003854746.1

>Orthogroup8816: CFRU|XP\_031893608.1 CGLO|KAF3808003.1 CHIG|XP\_018152377.1 CVIN|KAF4895817.1 CVYL|A09480 FGRM|XP\_011322210.1 NCRA|XP\_964370.2

>Orthogroup8817: CFRU|XP\_031888801.1 CFRU|XP\_031889018.1 CGLO|KAF3799272.1 CGLO|KAF3799273.1 CVIN|KAF4924813.1 CVYL|A10163 FGRM|XP\_011315729.1

>Orthogroup8818: CFRU|XP\_031875262.1 CFRU|XP\_031888808.1 CGLO|KAF3799276.1 CHIG|XP\_018150612.1 CHIG|XP\_018160042.1 CVIN|KAF4924816.1 CVYL|A10166

>Orthogroup8819: CFRU|XP\_031877071.1 CFRU|XP\_031881476.1 CFRU|XP\_031888943.1 CFRU|XP\_031888995.1 CGLO|KAF3804149.1 CVIN|KAF4920893.1 CVYL|A03909

>Orthogroup8820: CFRU|XP\_031889049.1 CGLO|KAF3799373.1 CHIG|XP\_018159964.1 CVYL|A04719 FGRM|XP\_011327489.1 MLAR|XP\_007410760.1 MLAR|XP\_007415836.1

>Orthogroup8821: CFRU|XP\_031885626.1 CFRU|XP\_031888975.1 CGLO|KAF3804126.1 CGLO|KAF3810139.1 CHIG|XP\_018163149.1 CVIN|KAF4910277.1 CVIN|KAF4912137.1

>Orthogroup8822: CFRU|XP\_031889001.1 CGLO|KAF3804145.1 CGLO|KAF3804147.1 CHIG|XP\_018158351.1 CVIN|KAF4910285.1 CVYL|A03718 CVYL|A03729

>Orthogroup8823: CFRU|XP\_031888711.1 CGLO|KAF3804173.1 CHIG|XP\_018151175.1 CHIG|XP\_018157088.1 CHIG|XP\_018160029.1 CVIN|KAF4918369.1 CVYL|A03846

>Orthogroup8824: CFRU|XP\_031889064.1 CFRU|XP\_031889065.1 CGLO|KAF3804233.1 CHIG|XP\_018160067.1 CVIN|KAF4930134.1 CVYL|A03911 MORY|QBZ64652.1

>Orthogroup8825: CFRU|XP\_031888843.1 CGLO|KAF3804243.1 CHIG|XP\_018160077.1 CVIN|KAF4930181.1 CVYL|A03922 FGRM|XP\_011324581.1 MGRA|XP\_003852288.1

>Orthogroup8826: CFRU|XP\_031888610.1 CGLO|KAF3804252.1 CHIG|XP\_018160046.1 CVIN|KAF4930084.1 CVYL|A03928 MORY|QBZ59743.1 NCRA|XP\_957704.2

>Orthogroup8827: CFRU|XP\_031875907.1 CFRU|XP\_031875909.1 CFRU|XP\_031875910.1 CGLO|KAF3807813.1 CGLO|KAF3807814.1 CVYL|A00780 CVYL|A00781

>Orthogroup8828: CFRU|XP\_031875884.1 CGLO|KAF3802660.1 CHIG|XP\_018153919.1 CHIG|XP\_018160171.1 CVIN|KAF4895161.1 CVIN|KAF4895162.1 CVYL|A13645

>Orthogroup8829: CFRU|XP\_031888291.1 CGLO|KAF3803711.1 CHIG|XP\_018163739.1 CVIN|KAF4928579.1 CVYL|A14644 MORY|QBZ59738.1 NCRA|XP\_965652.1

>Orthogroup8830: CFRU|XP\_031875801.1 CGLO|KAF3801774.1 CHIG|XP\_018159278.1 CVIN|KAF4922924.1 CVYL|A12932 FGRM|XP\_011322189.1 NCRA|XP\_960473.3

>Orthogroup8831: CFRU|XP\_031875789.1 CFRU|XP\_031889131.1 CGLO|KAF3796925.1 CGLO|KAF3797706.1 CHIG|XP\_018164214.1 CVIN|KAF4912173.1 CVYL|A03415

>Orthogroup8832: CFRU|XP\_031875770.1 CFRU|XP\_031876742.1 CFRU|XP\_031883721.1 CFRU|XP\_031885082.1 CFRU|XP\_031887336.1 CFRU|XP\_031889288.1 CFRU|XP\_031891068.1

>Orthogroup8833: CFRU|XP\_031875493.1 CFRU|XP\_031875760.1 CFRU|XP\_031876159.1 CGLO|KAF3812035.1 CVIN|KAF4922548.1 CVYL|A08527 MORY|QBZ56794.1

>Orthogroup8834: CFRU|XP\_031875728.1 CFRU|XP\_031876157.1 CFRU|XP\_031876795.1 CFRU|XP\_031880862.1 CFRU|XP\_031882752.1 CFRU|XP\_031889704.1 CHIG|XP\_018159972.1

>Orthogroup8835: CFRU|XP\_031888164.1 CGLO|KAF3797615.1 CHIG|XP\_018154120.1 CHIG|XP\_018155418.1 CVIN|KAF4914253.1 CVYL|A03378 MORY|QBZ57864.1

>Orthogroup8836: CFRU|XP\_031888033.1 CHIG|XP\_018150978.1 CHIG|XP\_018154175.1 CHIG|XP\_018160392.1 CVIN|KAF4910486.1 CVYL|A03349 CVYL|A04274

>Orthogroup8837: CFRU|XP\_031888036.1 CGLO|KAF3802040.1 CHIG|XP\_018154174.1 CVIN|KAF4910491.1 CVYL|A03348 FGRM|XP\_011323144.1 SSCL|APA07439.1

>Orthogroup8838: CFRU|XP\_031887995.1 CGLO|KAF3802079.1 CVIN|KAF4917986.1 CVYL|A03307 FGRM|XP\_011325167.1 FGRM|XP\_011327373.1 MORY|QBZ56573.1

>Orthogroup8839: CFRU|XP\_031887991.1 CFRU|XP\_031892060.1 CGLO|KAF3800099.1 CGLO|KAF3802080.1 CVIN|KAF4917985.1 CVIN|KAF4925826.1 CVYL|A06792

>Orthogroup8840: CFRU|XP\_031888174.1 CGLO|KAF3802125.1 CVIN|KAF4912408.1 CVYL|A03269 FGRM|XP\_011320186.1 MORY|QBZ66109.1 NCRA|XP\_964997.2

>Orthogroup8841: CFRU|XP\_031878731.1 CFRU|XP\_031888189.1 CGLO|KAF3797569.1 CGLO|KAF3802209.1 CVIN|KAF4922761.1 CVIN|KAF4923580.1 CVYL|A08977

>Orthogroup8842: CFRU|XP\_031875406.1 CFRU|XP\_031875665.1 CFRU|XP\_031877558.1 FGRM|XP\_011324754.1 NCRA|XP\_958158.2 NCRA|XP\_959118.2 NCRA|XP\_959847.1

>Orthogroup8843: CFRU|XP\_031875634.1 CFRU|XP\_031891101.1 CFRU|XP\_031891506.1 CGLO|KAF3801477.1 CGLO|KAF3804648.1 CHIG|XP\_018159598.1 CVYL|A05237

>Orthogroup8844: CFRU|XP\_031875557.1 CFRU|XP\_031876863.1 CGLO|KAF3799845.1 CHIG|XP\_018153827.1 CVIN|KAF4921714.1 CVYL|A09670 MORY|QBZ64273.1

>Orthogroup8845: CFRU|XP\_031883492.1 CFRU|XP\_031887340.1 CGLO|KAF3800243.1 CHIG|XP\_018164670.1 CVIN|KAF4921793.1 CVYL|A12398 FGRM|XP\_011322194.1

>Orthogroup8846: CFRU|XP\_031887426.1 CGLO|KAF3809172.1 CHIG|XP\_018155995.1 CVIN|KAF4919829.1 CVYL|A01360 MORY|QBZ57442.1 NCRA|XP\_961171.2

>Orthogroup8847: CFRU|XP\_031875436.1 CFRU|XP\_031877534.1 CFRU|XP\_031877544.1 CFRU|XP\_031880496.1 CFRU|XP\_031880618.1 CHIG|XP\_018150491.1 CVIN|KAF4897230.1

>Orthogroup8848: CFRU|XP\_031886997.1 CGLO|KAF3811412.1 CHIG|XP\_018160651.1 CVIN|KAF4919716.1 CVYL|A04609 FGRM|XP\_011327177.1 MORY|QBZ54266.1

>Orthogroup8849: CFRU|XP\_031886840.1 CGLO|KAF3811353.1 CHIG|XP\_018160580.1 CVIN|KAF4921046.1 CVYL|A04542 MORY|QBZ57066.1 NCRA|XP\_011394556.1

>Orthogroup8850: CFRU|XP\_031886706.1 CFRU|XP\_031890371.1 CGLO|KAF3804899.1 CGLO|KAF3804900.1 CVIN|KAF4909774.1 CVYL|A07005 CVYL|A12159

>Orthogroup8851: CFRU|XP\_031886616.1 CGLO|KAF3801234.1 CHIG|XP\_018162617.1 CVIN|KAF4932121.1 CVYL|A07095 FGRM|XP\_011326641.1 NCRA|XP\_957234.1

>Orthogroup8852: CFRU|XP\_031886794.1 CFRU|XP\_031886795.1 CGLO|KAF3801218.1 CVIN|KAF4932110.1 CVYL|A07114 CVYL|A07115 MGRA|XP\_003850210.1

>Orthogroup8853: CFRU|XP\_031875384.1 CGLO|KAF3801436.1 CGLO|KAF3801789.1 CHIG|XP\_018151311.1 CHIG|XP\_018159291.1 CVIN|KAF4916979.1 CVYL|A12919

>Orthogroup8854: CFRU|XP\_031877282.1 CFRU|XP\_031886424.1 CGLO|KAF3802006.1 CGLO|KAF3811881.1 CHIG|XP\_018152992.1 CVIN|KAF4920592.1 CVYL|A06170

>Orthogroup8855: CFRU|XP\_031886184.1 CGLO|KAF3801122.1 CHIG|XP\_018150467.1 CVIN|KAF4930361.1 CVYL|A05489 FGRM|XP\_011325964.1 MORY|QBZ63696.1

>Orthogroup8856: CFRU|XP\_031886088.1 CGLO|KAF3801121.1 CHIG|XP\_018150466.1 CVIN|KAF4930362.1 CVYL|A05490 MGRA|XP\_003847608.1 MORY|QBZ63694.1

>Orthogroup8857: CFRU|XP\_031885889.1 CGLO|KAF3805450.1 CHIG|XP\_018155304.1 CVIN|KAF4930403.1 CVYL|A05580 FGRM|XP\_011320927.1 FGRM|XP\_011328871.1

>Orthogroup8858: CFRU|XP\_031886077.1 CGLO|KAF3805464.1 CVIN|KAF4897788.1 CVYL|A05594 FGRM|XP\_011317450.1 MORY|QBZ58980.1 NCRA|XP\_963337.1

>Orthogroup8859: CFRU|XP\_031885887.1 CGLO|KAF3805466.1 CHIG|XP\_018155327.1 CVIN|KAF4897790.1 CVYL|A05596 FGRM|XP\_011317394.1 MORY|QBZ58975.1

>Orthogroup8860: CFRU|XP\_031886115.1 CGLO|KAF3805496.1 CHIG|XP\_018155360.1 CVIN|KAF4913936.1 CVYL|A05621 MORY|QBZ60873.1 NCRA|XP\_011392838.1

>Orthogroup8861: CFRU|XP\_031886090.1 CGLO|KAF3805513.1 CHIG|XP\_018155363.1 CHIG|XP\_018155416.1 CVIN|KAF4918292.1 CVYL|A05636 FGRM|XP\_011321091.1

>Orthogroup8862: CFRU|XP\_031886007.1 CGLO|KAF3806550.1 CVIN|KAF4920487.1 CVYL|A09319 FGRM|XP\_011325969.1 MGRA|XP\_003852255.1 MGRA|XP\_003852600.1

>Orthogroup8863: CFRU|XP\_031878547.1 CFRU|XP\_031885741.1 CGLO|KAF3798451.1 CGLO|KAF3810038.1 CHIG|XP\_018157756.1 CVIN|KAF4917935.1 CVYL|A02634

>Orthogroup8864: CFRU|XP\_031885781.1 CGLO|KAF3810094.1 CHIG|XP\_018157898.1 CVIN|KAF4892590.1 CVYL|A02688 FGRM|XP\_011328261.1 NCRA|XP\_957570.2

>Orthogroup8865: CFRU|XP\_031885586.1 CGLO|KAF3810142.1 CGLO|KAF3810627.1 CHIG|XP\_018157972.1 CVIN|KAF4912138.1 CVYL|A02731 MORY|QBZ62143.1

>Orthogroup8866: CFRU|XP\_031885841.1 CGLO|KAF3810167.1 CHIG|XP\_018157786.1 CVIN|KAF4929111.1 CVYL|A02759 FGRM|XP\_011320306.1 FGRM|XP\_011324249.1

>Orthogroup8867: CFRU|XP\_031892597.1 CGLO|KAF3807937.1 CHIG|XP\_018160141.1 CHIG|XP\_018163573.1 CVIN|KAF4894353.1 CVYL|A00685 FGRM|XP\_011326085.1

>Orthogroup8868: CFRU|XP\_031892839.1 CFRU|XP\_031892840.1 CGLO|KAF3809103.1 CGLO|KAF3809104.1 CHIG|XP\_018155925.1 CVIN|KAF4922117.1 CVYL|A01290

>Orthogroup8869: CFRU|XP\_031892354.1 CGLO|KAF3803050.1 CHIG|XP\_018153597.1 CVIN|KAF4892472.1 CVYL|A00060 MLAR|XP\_007409085.1 MORY|QBZ63010.1

>Orthogroup8870: CFRU|XP\_031892798.1 CGLO|KAF3797253.1 CHIG|XP\_018157249.1 CVYL|A10441 FGRM|XP\_011320026.1 MORY|QBZ66163.1 NCRA|XP\_964860.1

>Orthogroup8871: CFRU|XP\_031892823.1 CGLO|KAF3797233.1 CHIG|XP\_018157226.1 CVIN|KAF4917706.1 CVYL|A10464 MORY|QBZ66125.1 NCRA|XP\_965773.1

>Orthogroup8872: CFRU|XP\_031892540.1 CGLO|KAF3797226.1 CHIG|XP\_018157266.1 CVIN|KAF4917701.1 CVYL|A10471 MORY|QBZ66001.1 NCRA|XP\_964889.1

>Orthogroup8873: CFRU|XP\_031892495.1 CGLO|KAF3797191.1 CHIG|XP\_018157310.1 CVIN|KAF4920805.1 CVYL|A10506 NCRA|XP\_958755.2 NCRA|XP\_964376.2

>Orthogroup8874: CFRU|XP\_031892608.1 CGLO|KAF3797128.1 CHIG|XP\_018160717.1 CVIN|KAF4896911.1 CVYL|A10572 FGRM|XP\_011319304.1 MORY|QBZ57381.1

>Orthogroup8875: CFRU|XP\_031891860.1 CFRU|XP\_031892722.1 CGLO|KAF3797066.1 CGLO|KAF3809803.1 CVIN|KAF4899035.1 CVYL|A06721 CVYL|A10638

>Orthogroup8876: CFRU|XP\_031892804.1 CGLO|KAF3797059.1 CHIG|XP\_018157037.1 CVIN|KAF4894647.1 CVYL|A10645 FGRM|XP\_011325468.1 MORY|QBZ61993.1

>Orthogroup8877: CFRU|XP\_031885500.1 CGLO|KAF3799558.1 CHIG|XP\_018154575.1 CVIN|KAF4931744.1 CVYL|A13418 FGRM|XP\_011324897.1 MORY|QBZ61062.1

>Orthogroup8878: CFRU|XP\_031885503.1 CFRU|XP\_031885505.1 CGLO|KAF3799554.1 CHIG|XP\_018154546.1 CHIG|XP\_018154547.1 CVIN|KAF4931751.1 CVYL|A13414

>Orthogroup8879: CFRU|XP\_031885369.1 CGLO|KAF3799552.1 CHIG|XP\_018154544.1 CVIN|KAF4931749.1 CVYL|A13412 FGRM|XP\_011324902.1 MORY|QBZ61054.1

>Orthogroup8880: CFRU|XP\_031885535.1 CGLO|KAF3799530.1 CHIG|XP\_018154519.1 CVIN|KAF4931876.1 CVYL|A13390 FGRM|XP\_011324921.1 NCRA|XP\_956271.2

>Orthogroup8881: CFRU|XP\_031885379.1 CGLO|KAF3799495.1 CHIG|XP\_018154479.1 CVIN|KAF4931774.1 CVYL|A13355 FGRM|XP\_011321190.1 MORY|QBZ57258.1

>Orthogroup8882: CFRU|XP\_031885323.1 CGLO|KAF3798647.1 CHIG|XP\_018157516.1 CVIN|KAF4919461.1 CVYL|A09384 FGRM|XP\_011324829.1 NCRA|XP\_962282.1

>Orthogroup8883: CFRU|XP\_031885426.1 CGLO|KAF3806493.1 CHIG|XP\_018157529.1 CVIN|KAF4919440.1 CVYL|A09375 MORY|QBZ56570.1 NCRA|XP\_961793.2

>Orthogroup8884: CFRU|XP\_031885466.1 CGLO|KAF3806504.1 CHIG|XP\_018157541.1 CVIN|KAF4921343.1 CVYL|A09365 FGRM|XP\_011318559.1 MORY|QBZ56349.1

>Orthogroup8885: CFRU|XP\_031885442.1 CGLO|KAF3806532.1 CHIG|XP\_018157570.1 CVIN|KAF4921323.1 CVYL|A09338 FGRM|XP\_011328058.1 NCRA|XP\_957929.2

>Orthogroup8886: CFRU|XP\_031885283.1 CGLO|KAF3807799.1 CHIG|XP\_018157025.1 CVIN|KAF4921516.1 CVYL|A00803 FGRM|XP\_011322245.1 MGRA|XP\_003850147.1

>Orthogroup8887: CFRU|XP\_031885271.1 CFRU|XP\_031885272.1 CGLO|KAF3807760.1 CHIG|XP\_018163023.1 CVIN|KAF4920546.1 CVYL|A00839 FGRM|XP\_011319677.1

>Orthogroup8888: CFRU|XP\_031885042.1 CGLO|KAF3807706.1 CHIG|XP\_018162931.1 CVIN|KAF4918861.1 CVYL|A07153 FGRM|XP\_011319568.1 NCRA|XP\_963341.3

>Orthogroup8889: CFRU|XP\_031885021.1 CGLO|KAF3800327.1 CHIG|XP\_018162926.1 CVIN|KAF4927784.1 CVYL|A06897 MLAR|XP\_007415655.1 MLAR|XP\_007417079.1

>Orthogroup8890: CFRU|XP\_031885113.1 CFRU|XP\_031885148.1 CVIN|KAF4927574.1 CVIN|KAF4927580.1 CVYL|A06930 CVYL|A06933 SSCL|APA11607.1

>Orthogroup8891: CFRU|XP\_031884965.1 CGLO|KAF3801052.1 CHIG|XP\_018153274.1 CVIN|KAF4902323.1 CVYL|A00329 MGRA|XP\_003857512.1 NCRA|XP\_957977.3

>Orthogroup8892: CFRU|XP\_031884900.1 CGLO|KAF3812095.1 CHIG|XP\_018153253.1 CVIN|KAF4918116.1 CVYL|A00300 FGRM|XP\_011321976.1 MGRA|XP\_003850597.1

>Orthogroup8893: CFRU|XP\_031884940.1 CGLO|KAF3812161.1 CHIG|XP\_018153408.1 CVIN|KAF4918750.1 CVYL|A00230 FGRM|XP\_011325390.1 MORY|QBZ64096.1

>Orthogroup8894: CFRU|XP\_031884842.1 CGLO|KAF3812233.1 CHIG|XP\_018153476.1 CVIN|KAF4919924.1 CVYL|A00153 MORY|QBZ55253.1 NCRA|XP\_965168.1

>Orthogroup8895: CFRU|XP\_031875269.1 CFRU|XP\_031879600.1 CFRU|XP\_031879602.1 CGLO|KAF3802759.1 CHIG|XP\_018156633.1 CVIN|KAF4894660.1 CVYL|A08083

>Orthogroup8896: CFRU|XP\_031884422.1 CGLO|KAF3799780.1 CHIG|XP\_018158219.1 CVIN|KAF4918948.1 CVYL|A11315 FGRM|XP\_011323394.1 NCRA|XP\_957649.1

>Orthogroup8897: CFRU|XP\_031884431.1 CGLO|KAF3799750.1 CHIG|XP\_018151623.1 CVIN|KAF4918964.1 CVYL|A11345 CVYL|A11346 FGRM|XP\_011326057.1

>Orthogroup8898: CFRU|XP\_031884636.1 CGLO|KAF3799742.1 CHIG|XP\_018153382.1 CVIN|KAF4899561.1 FGRM|XP\_011323397.1 MGRA|XP\_003847982.1 MGRA|XP\_003855302.1

>Orthogroup8899: CFRU|XP\_031884628.1 CGLO|KAF3799720.1 CHIG|XP\_018158257.1 CVIN|KAF4919972.1 CVYL|A05880 MORY|QBZ54859.1 NCRA|XP\_011394859.1

>Orthogroup8900: CFRU|XP\_031884574.1 CGLO|KAF3799707.1 CHIG|XP\_018159289.1 CVIN|KAF4919955.1 CVYL|A05869 MORY|QBZ58083.1 SSCL|APA12276.1

>Orthogroup8901: CFRU|XP\_031884579.1 CGLO|KAF3799704.1 CHIG|XP\_018150918.1 CVIN|KAF4919981.1 CVYL|A05865 CVYL|A05866 FGRM|XP\_011325805.1

>Orthogroup8902: CFRU|XP\_031884677.1 CGLO|KAF3799665.1 CHIG|XP\_018151068.1 CHIG|XP\_018156604.1 FGRM|XP\_011317678.1 FGRM|XP\_011326005.1 MORY|QBZ57895.1

>Orthogroup8903: CFRU|XP\_031883890.1 CFRU|XP\_031884472.1 CGLO|KAF3796974.1 CVIN|KAF4913283.1 CVYL|A05807 FGRM|XP\_011315589.1 FGRM|XP\_011320632.1

>Orthogroup8904: CFRU|XP\_031884417.1 CGLO|KAF3796975.1 CHIG|XP\_018151555.1 CHIG|XP\_018158323.1 CVIN|KAF4913284.1 CVYL|A05806 MORY|QBZ64188.1

>Orthogroup8905: CFRU|XP\_031884654.1 CGLO|KAF3810309.1 CHIG|XP\_018158331.1 CVIN|KAF4913300.1 CVYL|A05795 FGRM|XP\_011316493.1 MORY|QBZ58458.1

>Orthogroup8906: CFRU|XP\_031884499.1 CGLO|KAF3810313.1 CHIG|XP\_018158338.1 CVIN|KAF4913303.1 CVYL|A05791 FGRM|XP\_011322159.1 MORY|QBZ58671.1

>Orthogroup8907: CFRU|XP\_031884164.1 CGLO|KAF3811067.1 CHIG|XP\_018153102.1 CVIN|KAF4915259.1 CVYL|A09730 MORY|QBZ55155.1 NCRA|XP\_962131.1

>Orthogroup8908: CFRU|XP\_031883498.1 CFRU|XP\_031884219.1 CGLO|KAF3810812.1 CVIN|KAF4899847.1 CVIN|KAF4918143.1 CVYL|A02014 CVYL|A09747

>Orthogroup8909: CFRU|XP\_031884079.1 CGLO|KAF3800010.1 CHIG|XP\_018153048.1 CVIN|KAF4926865.1 CVYL|A10225 FGRM|XP\_011322151.1 MORY|QBZ60173.1

>Orthogroup8910: CFRU|XP\_031884308.1 CGLO|KAF3800007.1 CHIG|XP\_018153045.1 CVIN|KAF4926862.1 CVYL|A10222 FGRM|XP\_011325268.1 MORY|QBZ53610.1

>Orthogroup8911: CFRU|XP\_031884094.1 CGLO|KAF3799966.1 CHIG|XP\_018159059.1 CVIN|KAF4926880.1 CVYL|A10182 MORY|QBZ54336.1 MORY|QBZ66337.1

>Orthogroup8912: CFRU|XP\_031884298.1 CGLO|KAF3799961.1 CHIG|XP\_018159066.1 CVIN|KAF4926934.1 CVYL|A10175 MORY|QBZ54342.1 MORY|QBZ62893.1

>Orthogroup8913: CFRU|XP\_031884299.1 CGLO|KAF3799960.1 CHIG|XP\_018159067.1 CVIN|KAF4926935.1 CVYL|A10174 MORY|QBZ54343.1 MORY|QBZ62892.1

>Orthogroup8914: CFRU|XP\_031884271.1 CGLO|KAF3799959.1 CHIG|XP\_018159068.1 CVIN|KAF4926932.1 CVYL|A10173 MORY|QBZ54340.1 MORY|QBZ62896.1

>Orthogroup8915: CFRU|XP\_031884181.1 CGLO|KAF3803773.1 CHIG|XP\_018153146.1 CVIN|KAF4917913.1 CVYL|A14151 FGRM|XP\_011321977.1 MORY|QBZ56741.1

>Orthogroup8916: CFRU|XP\_031884172.1 CGLO|KAF3803763.1 CHIG|XP\_018153159.1 CVIN|KAF4917894.1 CVYL|A14143 FGRM|XP\_011324182.1 MORY|QBZ59782.1

>Orthogroup8917: CFRU|XP\_031883852.1 CGLO|KAF3805034.1 CHIG|XP\_018163476.1 CVIN|KAF4927142.1 CVYL|A06518 MORY|QBZ59824.1 NCRA|XP\_963275.1

>Orthogroup8918: CFRU|XP\_031883928.1 CGLO|KAF3804990.1 CHIG|XP\_018163528.1 CVIN|KAF4927124.1 CVYL|A06560 FGRM|XP\_011316880.1 FGRM|XP\_011319182.1

>Orthogroup8919: CFRU|XP\_031884047.1 CGLO|KAF3805678.1 CHIG|XP\_018163563.1 CVIN|KAF4920673.1 CVYL|A09872 FGRM|XP\_011325303.1 MORY|QBZ61142.1

>Orthogroup8920: CFRU|XP\_031883817.1 CGLO|KAF3805686.1 CHIG|XP\_018163586.1 CVIN|KAF4920656.1 CVYL|A09863 MORY|QBZ66388.1 NCRA|XP\_011394368.1

>Orthogroup8921: CFRU|XP\_031883961.1 CGLO|KAF3805687.1 CHIG|XP\_018163590.1 CHIG|XP\_018164904.1 CVIN|KAF4920653.1 CVYL|A09862 FGRM|XP\_011321759.1

>Orthogroup8922: CFRU|XP\_031883764.1 CGLO|KAF3805693.1 CHIG|XP\_018163600.1 CVIN|KAF4891815.1 CVIN|KAF4892302.1 CVYL|A09854 MORY|QBZ53417.1

>Orthogroup8923: CFRU|XP\_031883579.1 CGLO|KAF3811909.1 CHIG|XP\_018155144.1 CVIN|KAF4911826.1 CVYL|A06149 FGRM|XP\_011328686.1 MORY|QBZ61741.1

>Orthogroup8924: CFRU|XP\_031883681.1 CGLO|KAF3811912.1 CHIG|XP\_018155149.1 CVIN|KAF4911844.1 CVYL|A06146 MORY|QBZ55043.1 MORY|QBZ59890.1

>Orthogroup8925: CFRU|XP\_031883606.1 CGLO|KAF3800202.1 CHIG|XP\_018155117.1 CVIN|KAF4920431.1 CVYL|A06085 MORY|QBZ60706.1 SSCL|APA14395.1

>Orthogroup8926: CFRU|XP\_031883464.1 CHIG|XP\_018155067.1 CVIN|KAF4920419.1 CVYL|A06064 FGRM|XP\_011321435.1 FGRM|XP\_011322675.1 MORY|QBZ61114.1

>Orthogroup8927: CFRU|XP\_031883463.1 CGLO|KAF3800223.1 CHIG|XP\_018155068.1 CVIN|KAF4920418.1 CVYL|A06063 FGRM|XP\_011317539.1 NCRA|XP\_963333.1

>Orthogroup8928: CFRU|XP\_031883637.1 CFRU|XP\_031883640.1 CGLO|KAF3800235.1 CGLO|KAF3800236.1 CHIG|XP\_018155053.1 CVIN|KAF4921775.1 CVYL|A12410

>Orthogroup8929: CFRU|XP\_031883558.1 CGLO|KAF3800250.1 CHIG|XP\_018155059.1 CVIN|KAF4921771.1 CVYL|A12391 FGRM|XP\_011317541.1 NCRA|XP\_011393572.1

>Orthogroup8930: CFRU|XP\_031883471.1 CGLO|KAF3810815.1 CVIN|KAF4899849.1 CVYL|A02011 FGRM|XP\_011319425.1 FGRM|XP\_011319700.1 FGRM|XP\_011325239.1

>Orthogroup8931: CFRU|XP\_031883623.1 CGLO|KAF3810832.1 CHIG|XP\_018155027.1 CVIN|KAF4911097.1 CVYL|A01993 MORY|QBZ60816.1 NCRA|XP\_960545.2

>Orthogroup8932: CFRU|XP\_031883605.1 CGLO|KAF3805712.1 CGLO|KAF3810846.1 CHIG|XP\_018154982.1 CVIN|KAF4911116.1 CVYL|A02295 FGRM|XP\_011317517.1

>Orthogroup8933: CFRU|XP\_031883427.1 CGLO|KAF3801765.1 CHIG|XP\_018159263.1 CVIN|KAF4922907.1 CVYL|A12942 FGRM|XP\_011320480.1 NCRA|XP\_960463.1

>Orthogroup8934: CFRU|XP\_031883307.1 CGLO|KAF3801756.1 CHIG|XP\_018159270.1 CVIN|KAF4922899.1 CVYL|A12947 CVYL|A12948 FGRM|XP\_011318621.1

>Orthogroup8935: CFRU|XP\_031883374.1 CGLO|KAF3801722.1 CHIG|XP\_018159237.1 CVIN|KAF4922943.1 CVYL|A12979 FGRM|XP\_011320275.1 NCRA|XP\_956079.3

>Orthogroup8936: CFRU|XP\_031883141.1 CGLO|KAF3800751.1 CHIG|XP\_018163299.1 CVIN|KAF4919624.1 CVYL|A00453 FGRM|XP\_011327066.1 MORY|QBZ64224.1

>Orthogroup8937: CFRU|XP\_031883140.1 CGLO|KAF3800750.1 CHIG|XP\_018163298.1 CVIN|KAF4919625.1 CVYL|A00454 FGRM|XP\_011327281.1 MORY|QBZ64229.1

>Orthogroup8938: CFRU|XP\_031883133.1 CGLO|KAF3800748.1 CHIG|XP\_018163296.1 CVIN|KAF4919631.1 CVYL|A00456 FGRM|XP\_011327280.1 MORY|QBZ64227.1

>Orthogroup8939: CFRU|XP\_031883184.1 CGLO|KAF3800718.1 CHIG|XP\_018163272.1 CVIN|KAF4919636.1 CVYL|A00486 MORY|QBZ65278.1 NCRA|XP\_011395345.1

>Orthogroup8940: CFRU|XP\_031883029.1 CFRU|XP\_031883030.1 CGLO|KAF3808185.1 CHIG|XP\_018163222.1 CVIN|KAF4924292.1 CVIN|KAF4924293.1 CVYL|A00538

>Orthogroup8941: CFRU|XP\_031883190.1 CFRU|XP\_031883231.1 CGLO|KAF3808292.1 CGLO|KAF3808293.1 CVIN|KAF4924045.1 CVYL|A00631 CVYL|A00632

>Orthogroup8942: CFRU|XP\_031881752.1 CFRU|XP\_031881753.1 CFRU|XP\_031883045.1 CGLO|KAF3800376.1 CVIN|KAF4890933.1 MGRA|XP\_003854697.1 NCRA|XP\_958299.2

>Orthogroup8943: CFRU|XP\_031883173.1 CGLO|KAF3807954.1 CHIG|XP\_018161092.1 CVIN|KAF4924060.1 CVYL|A00672 CVYL|A00673 MORY|QBZ62428.1

>Orthogroup8944: CFRU|XP\_031882805.1 CGLO|KAF3806636.1 CHIG|XP\_018164226.1 CVIN|KAF4918898.1 CVYL|A12349 FGRM|XP\_011315686.1 FGRM|XP\_011319706.1

>Orthogroup8945: CFRU|XP\_031882807.1 CGLO|KAF3806639.1 CGLO|KAF3809614.1 CVIN|KAF4918935.1 CVYL|A12352 FGRM|XP\_011320582.1 SSCL|APA15762.1

>Orthogroup8946: CFRU|XP\_031882900.1 CGLO|KAF3812078.1 CVIN|KAF4923679.1 CVYL|A14256 MORY|QBZ55396.1 NCRA|XP\_957652.1 NCRA|XP\_960028.3

>Orthogroup8947: CFRU|XP\_031891709.1 CGLO|KAF3805636.1 CHIG|XP\_018164690.1 CVIN|KAF4925727.1 CVYL|A07563 FGRM|XP\_011324666.1 MGRA|XP\_003848080.1

>Orthogroup8948: CFRU|XP\_031891705.1 CGLO|KAF3805633.1 CHIG|XP\_018164692.1 CVIN|KAF4925728.1 CVYL|A07566 MGRA|XP\_003851502.1 MLAR|XP\_007411854.1

>Orthogroup8949: CFRU|XP\_031892222.1 CHIG|XP\_018159057.1 CVIN|KAF4925696.1 CVYL|A07579 FGRM|XP\_011322570.1 FGRM|XP\_011322601.1 MGRA|XP\_003856980.1

>Orthogroup8950: CFRU|XP\_031879137.1 CFRU|XP\_031891669.1 CGLO|KAF3805596.1 CHIG|XP\_018164719.1 CVIN|KAF4900696.1 CVYL|A07601 FGRM|XP\_011327761.1

>Orthogroup8951: CFRU|XP\_031891953.1 CFRU|XP\_031891959.1 CGLO|KAF3805589.1 CGLO|KAF3805591.1 CVIN|KAF4900695.1 CVYL|A07610 CVYL|A07612

>Orthogroup8952: CFRU|XP\_031892151.1 CGLO|KAF3801366.1 CVIN|KAF4913320.1 CVYL|A07715 FGRM|XP\_011325795.1 MGRA|XP\_003851898.1 NCRA|XP\_960339.2

>Orthogroup8953: CFRU|XP\_031891868.1 CGLO|KAF3801308.1 CHIG|XP\_018164835.1 CVIN|KAF4921575.1 CVYL|A07777 FGRM|XP\_011322757.1 NCRA|XP\_011393955.1

>Orthogroup8954: CFRU|XP\_031891942.1 CGLO|KAF3809694.1 CHIG|XP\_018164871.1 CVIN|KAF4921945.1 CVYL|A06613 FGRM|XP\_011322546.1 MORY|QBZ63682.1

>Orthogroup8955: CFRU|XP\_031892236.1 CGLO|KAF3809697.1 CHIG|XP\_018164873.1 CVIN|KAF4921948.1 CVYL|A06618 FGRM|XP\_011326103.1 MORY|QBZ60692.1

>Orthogroup8956: CFRU|XP\_031891769.1 CGLO|KAF3809751.1 CHIG|XP\_018164992.1 CVIN|KAF4903847.1 CVYL|A06669 MORY|QBZ58990.1 NCRA|XP\_960125.2

>Orthogroup8957: CFRU|XP\_031891820.1 CGLO|KAF3800074.1 CHIG|XP\_018164753.1 CVIN|KAF4891449.1 CVYL|A06773 MORY|QBZ64945.1 SSCL|APA10887.1

>Orthogroup8958: CFRU|XP\_031882636.1 CGLO|KAF3803955.1 CHIG|XP\_018150989.1 CVYL|A08847 FGRM|XP\_011323421.1 MORY|QBZ54793.1 NCRA|XP\_001728195.2

>Orthogroup8959: CFRU|XP\_031882615.1 CGLO|KAF3803890.1 CGLO|KAF3808623.1 CHIG|XP\_018158743.1 CVYL|A08897 CVYL|A09814 FGRM|XP\_011317459.1

>Orthogroup8960: CFRU|XP\_031882517.1 CGLO|KAF3807628.1 CHIG|XP\_018156302.1 CVIN|KAF4921387.1 CVYL|A03122 FGRM|XP\_011318882.1 NCRA|XP\_961624.2

>Orthogroup8961: CFRU|XP\_031882518.1 CGLO|KAF3807560.1 CHIG|XP\_018156364.1 CVIN|KAF4928907.1 CVYL|A02923 FGRM|XP\_011318936.1 SSCL|APA10715.1

>Orthogroup8962: CFRU|XP\_031882146.1 CGLO|KAF3804324.1 CHIG|XP\_018160118.1 CVIN|KAF4920127.1 CVYL|A04016 MORY|QBZ53435.1 NCRA|XP\_962961.1

>Orthogroup8963: CFRU|XP\_031882205.1 CGLO|KAF3804396.1 CHIG|XP\_018160203.1 CVIN|KAF4931000.1 CVYL|A04092 MGRA|XP\_003856519.1 MORY|QBZ64805.1

>Orthogroup8964: CFRU|XP\_031882196.1 CGLO|KAF3804406.1 CHIG|XP\_018160219.1 CVIN|KAF4930898.1 CVYL|A04105 MGRA|XP\_003854285.1 MORY|QBZ63392.1

>Orthogroup8965: CFRU|XP\_031882179.1 CGLO|KAF3804439.1 CHIG|XP\_018160262.1 CVIN|KAF4930964.1 CVYL|A04147 MGRA|XP\_003857326.1 MORY|QBZ55846.1

>Orthogroup8966: CFRU|XP\_031882102.1 CGLO|KAF3806119.1 CHIG|XP\_018155084.1 CHIG|XP\_018164547.1 CVIN|KAF4911030.1 CVYL|A07391 FGRM|XP\_011315909.1

>Orthogroup8967: CFRU|XP\_031882116.1 CGLO|KAF3806106.1 CHIG|XP\_018164561.1 CVIN|KAF4902336.1 CVYL|A07406 MORY|QBZ59863.1 NCRA|XP\_011395103.1

>Orthogroup8968: CFRU|XP\_031881945.1 CGLO|KAF3806017.1 CHIG|XP\_018164639.1 CVIN|KAF4917822.1 CVYL|A07494 MORY|QBZ65430.1 NCRA|XP\_957496.3

>Orthogroup8969: CFRU|XP\_031881799.1 CGLO|KAF3800671.1 CHIG|XP\_018157122.1 CVIN|KAF4922048.1 CVYL|A13046 MGRA|XP\_003850814.1 MGRA|XP\_003855918.1

>Orthogroup8970: CFRU|XP\_031881766.1 CGLO|KAF3800688.1 CHIG|XP\_018157653.1 CVIN|KAF4922039.1 CVYL|A13029 FGRM|XP\_011321263.1 NCRA|XP\_958921.1

>Orthogroup8971: CFRU|XP\_031881727.1 CGLO|KAF3797843.1 CVIN|KAF4908864.1 CVYL|A11533 FGRM|XP\_011320637.1 FGRM|XP\_011322966.1 FGRM|XP\_011327581.1

>Orthogroup8972: CFRU|XP\_031881751.1 CGLO|KAF3798382.1 CGLO|KAF3800377.1 CHIG|XP\_018157704.1 CVIN|KAF4901603.1 CVYL|A11516 FGRM|XP\_011322617.1

>Orthogroup8973: CFRU|XP\_031881771.1 CGLO|KAF3809989.1 CHIG|XP\_018157714.1 CVIN|KAF4905022.1 CVYL|A02589 FGRM|XP\_011321026.1 NCRA|XP\_963802.2

>Orthogroup8974: CFRU|XP\_031881554.1 CGLO|KAF3807428.1 CHIG|XP\_018156794.1 CVIN|KAF4918517.1 CVYL|A10932 FGRM|XP\_011322750.1 MORY|QBZ66098.1

>Orthogroup8975: CFRU|XP\_031881662.1 CGLO|KAF3807435.1 CHIG|XP\_018156801.1 CVIN|KAF4918542.1 CVYL|A10938 FGRM|XP\_011328638.1 MGRA|XP\_003849784.1

>Orthogroup8976: CFRU|XP\_031878264.1 CFRU|XP\_031881529.1 CGLO|KAF3798027.1 CGLO|KAF3798028.1 CVIN|KAF4915614.1 CVYL|A08330 FGRM|XP\_011327528.1

>Orthogroup8977: CFRU|XP\_031881527.1 CGLO|KAF3807464.1 CHIG|XP\_018164897.1 CVIN|KAF4918538.1 CVYL|A10975 MORY|QBZ62415.1 NCRA|XP\_011395207.1

>Orthogroup8978: CFRU|XP\_031881526.1 CGLO|KAF3807465.1 CHIG|XP\_018164898.1 CVIN|KAF4918537.1 CVYL|A10976 FGRM|XP\_011322391.1 MORY|QBZ62416.1

>Orthogroup8979: CFRU|XP\_031881535.1 CGLO|KAF3805352.1 CHIG|XP\_018159728.1 CVIN|KAF4913612.1 CVYL|A10994 FGRM|XP\_011316595.1 MGRA|XP\_003857014.1

>Orthogroup8980: CFRU|XP\_031881603.1 CGLO|KAF3805392.1 CHIG|XP\_018156718.1 CVIN|KAF4917775.1 FGRM|XP\_011315702.1 FGRM|XP\_011320821.1 MLAR|XP\_007419355.1

>Orthogroup8981: CFRU|XP\_031881402.1 CGLO|KAF3805743.1 CHIG|XP\_018152632.1 CVIN|KAF4926596.1 CVYL|A09867 FGRM|XP\_011322558.1 FGRM|XP\_011324422.1

>Orthogroup8982: CFRU|XP\_031881497.1 CGLO|KAF3805785.1 CHIG|XP\_018163687.1 CHIG|XP\_018163688.1 CVIN|KAF4926573.1 CVYL|A06035 FGRM|XP\_011316915.1

>Orthogroup8983: CFRU|XP\_031881378.1 CGLO|KAF3805805.1 CHIG|XP\_018163698.1 CVIN|KAF4920910.1 CVYL|A06017 FGRM|XP\_011318143.1 MORY|QBZ58144.1

>Orthogroup8984: CFRU|XP\_031881369.1 CGLO|KAF3805824.1 CHIG|XP\_018152040.1 CHIG|XP\_018157519.1 CHIG|XP\_018164764.1 CVIN|KAF4920930.1 CVYL|A05998

>Orthogroup8985: CFRU|XP\_031880997.1 CGLO|KAF3802566.1 CHIG|XP\_018155061.1 CVIN|KAF4917605.1 CVYL|A01855 FGRM|XP\_011319684.1 MGRA|XP\_003857098.1

>Orthogroup8986: CFRU|XP\_031879158.1 CFRU|XP\_031881109.1 CGLO|KAF3800448.1 CGLO|KAF3807009.1 CHIG|XP\_018159511.1 CVIN|KAF4895116.1 CVYL|A06303

>Orthogroup8987: CFRU|XP\_031881065.1 CGLO|KAF3800402.1 CHIG|XP\_018161403.1 CVIN|KAF4930598.1 CVYL|A01797 FGRM|XP\_011321416.1 MORY|QBZ65288.1

>Orthogroup8988: CFRU|XP\_031880930.1 CGLO|KAF3806938.1 CHIG|XP\_018159650.1 CVIN|KAF4919177.1 CVYL|A06230 MORY|QBZ63994.1 NCRA|XP\_011394967.1

>Orthogroup8989: CFRU|XP\_031880821.1 CGLO|KAF3806944.1 CGLO|KAF3806945.1 CVIN|KAF4919152.1 CVIN|KAF4919153.1 CVYL|A06234 FGRM|XP\_011321101.1

>Orthogroup8990: CFRU|XP\_031880835.1 CGLO|KAF3806960.1 CHIG|XP\_018159638.1 CVIN|KAF4919166.1 CVYL|A06250 NCRA|XP\_963789.2 SSCL|APA06487.1

>Orthogroup8991: CFRU|XP\_031880872.1 CGLO|KAF3806976.1 CHIG|XP\_018159630.1 CVIN|KAF4918763.1 CVYL|A06269 FGRM|XP\_011321628.1 MGRA|XP\_003857596.1

>Orthogroup8992: CFRU|XP\_031880804.1 CGLO|KAF3806982.1 CHIG|XP\_018159625.1 CVIN|KAF4918764.1 CVYL|A06275 MORY|QBZ59611.1 NCRA|XP\_961798.1

>Orthogroup8993: CFRU|XP\_031891599.1 CGLO|KAF3797406.1 CHIG|XP\_018157370.1 CHIG|XP\_018159365.1 CVIN|KAF4929409.1 CVYL|A10271 FGRM|XP\_011319038.1

>Orthogroup8994: CFRU|XP\_031891591.1 CGLO|KAF3797390.1 CHIG|XP\_018157344.1 CVIN|KAF4929347.1 CVYL|A10294 MGRA|XP\_003847502.1 MGRA|XP\_003852508.1

>Orthogroup8995: CFRU|XP\_031891456.1 CGLO|KAF3804516.1 CHIG|XP\_018159472.1 CVIN|KAF4924517.1 CVYL|A04233 MORY|QBZ60848.1 NCRA|XP\_960353.1

>Orthogroup8996: CFRU|XP\_031891216.1 CGLO|KAF3804508.1 CHIG|XP\_018160332.1 CVIN|KAF4924488.1 CVYL|A04224 FGRM|XP\_011328832.1 MORY|QBZ59155.1

>Orthogroup8997: CFRU|XP\_031891357.1 CGLO|KAF3804638.1 CHIG|XP\_018161729.1 CVIN|KAF4919091.1 CVYL|A05247 FGRM|XP\_011318697.1 NCRA|XP\_958506.2

>Orthogroup8998: CFRU|XP\_031891641.1 CGLO|KAF3797886.1 CHIG|XP\_018161635.1 CVIN|KAF4923095.1 CVYL|A05323 FGRM|XP\_011326161.1 MGRA|XP\_003847561.1

>Orthogroup8999: CFRU|XP\_031891371.1 CGLO|KAF3797900.1 CHIG|XP\_018161619.1 CVIN|KAF4905696.1 CVYL|A05337 FGRM|XP\_011318677.1 MORY|QBZ61137.1

>Orthogroup9000: CFRU|XP\_031880469.1 CGLO|KAF3807259.1 CVIN|KAF4928187.1 CVYL|A10739 FGRM|XP\_011321690.1 MORY|QBZ55220.1 MORY|QBZ65924.1

>Orthogroup9001: CFRU|XP\_031880384.1 CGLO|KAF3807284.1 CHIG|XP\_018156958.1 CVIN|KAF4928180.1 CVYL|A10766 FGRM|XP\_011320160.1 MORY|QBZ65677.1

>Orthogroup9002: CFRU|XP\_031880189.1 CGLO|KAF3809092.1 CHIG|XP\_018155899.1 CVIN|KAF4923802.1 CVYL|A01620 FGRM|XP\_011318744.1 MGRA|XP\_003852637.1

>Orthogroup9003: CFRU|XP\_031880202.1 CFRU|XP\_031890136.1 CGLO|KAF3798270.1 CGLO|KAF3809021.1 CVIN|KAF4916917.1 CVIN|KAF4918030.1 CVYL|A01594

>Orthogroup9004: CFRU|XP\_031880134.1 CGLO|KAF3811846.1 CHIG|XP\_018151689.1 CVIN|KAF4924868.1 CVYL|A12846 FGRM|XP\_011327396.1 MGRA|XP\_003850641.1

>Orthogroup9005: CFRU|XP\_031879919.1 CGLO|KAF3798922.1 CHIG|XP\_018152882.1 CVIN|KAF4908224.1 CVYL|A07842 MORY|QBZ55853.1 NCRA|XP\_962262.1

>Orthogroup9006: CFRU|XP\_031879955.1 CGLO|KAF3798927.1 CHIG|XP\_018152886.1 CVIN|KAF4908229.1 CVYL|A07847 MORY|QBZ60112.1 NCRA|XP\_962393.1

>Orthogroup9007: CFRU|XP\_031879908.1 CGLO|KAF3798933.1 CGLO|KAF3798934.1 CGLO|KAF3798935.1 CHIG|XP\_018152879.1 CVIN|KAF4898138.1 CVYL|A07853

>Orthogroup9008: CFRU|XP\_031879885.1 CGLO|KAF3798938.1 CHIG|XP\_018152877.1 CVIN|KAF4898134.1 CVYL|A07855 FGRM|XP\_011318049.1 MORY|QBZ59862.1

>Orthogroup9009: CFRU|XP\_031880024.1 CGLO|KAF3805192.1 CGLO|KAF3807770.1 CHIG|XP\_018160211.1 CVIN|KAF4909079.1 CVYL|A07961 MORY|QBZ65255.1

>Orthogroup9010: CFRU|XP\_031879808.1 CGLO|KAF3803043.1 CHIG|XP\_018153590.1 CVIN|KAF4929952.1 CVYL|A00055 FGRM|XP\_011327863.1 FGRM|XP\_011327864.1

>Orthogroup9011: CFRU|XP\_031879766.1 CGLO|KAF3810025.1 CHIG|XP\_018158282.1 CVIN|KAF4916801.1 CVYL|A04911 MORY|QBZ53658.1 SSCL|APA09020.1

>Orthogroup9012: CFRU|XP\_031879558.1 CGLO|KAF3802677.1 CHIG|XP\_018159162.1 CVIN|KAF4920427.1 CVYL|A08048 MORY|QBZ64033.1 NCRA|XP\_964154.1

>Orthogroup9013: CFRU|XP\_031879636.1 CGLO|KAF3802696.1 CHIG|XP\_018150663.1 CHIG|XP\_018151482.1 CVYL|A08021 FGRM|XP\_011320644.1 FGRM|XP\_011327273.1

>Orthogroup9014: CFRU|XP\_031879616.1 CGLO|KAF3802737.1 CGLO|KAF3802738.1 CVIN|KAF4910782.1 CVYL|A08060 MGRA|XP\_003849395.1 MGRA|XP\_003849891.1

>Orthogroup9015: CFRU|XP\_031879260.1 CFRU|XP\_031879523.1 CGLO|KAF3807050.1 CHIG|XP\_018159698.1 CVIN|KAF4920271.1 CVYL|A06344 FGRM|XP\_011323219.1

>Orthogroup9016: CFRU|XP\_031879423.1 CGLO|KAF3799635.1 CHIG|XP\_018154643.1 CVYL|A13498 FGRM|XP\_011321806.1 FGRM|XP\_011323361.1 FGRM|XP\_011327311.1

>Orthogroup9017: CFRU|XP\_031879467.1 CGLO|KAF3802421.1 CVIN|KAF4918227.1 CVYL|A13564 FGRM|XP\_011325488.1 MORY|QBZ64863.1 NCRA|XP\_956855.2

>Orthogroup9018: CFRU|XP\_031890772.1 CFRU|XP\_031890773.1 CFRU|XP\_031890779.1 CGLO|KAF3811713.1 CVIN|KAF4915927.1 CVIN|KAF4915948.1 CVYL|A12724

>Orthogroup9019: CFRU|XP\_031890801.1 CHIG|XP\_018151831.1 CHIG|XP\_018162079.1 CVIN|KAF4915944.1 CVIN|KAF4927833.1 CVYL|A06888 CVYL|A12715

>Orthogroup9020: CFRU|XP\_031891074.1 CGLO|KAF3801444.1 CHIG|XP\_018163117.1 CVYL|A12682 FGRM|XP\_011319698.1 FGRM|XP\_011322112.1 SSCL|APA10763.1

>Orthogroup9021: CFRU|XP\_031879399.1 CGLO|KAF3808602.1 CHIG|XP\_018161555.1 CVIN|KAF4926155.1 CVYL|A12369 CVYL|A12380 MORY|QBZ58422.1

>Orthogroup9022: CFRU|XP\_031879398.1 CFRU|XP\_031879401.1 CGLO|KAF3808634.1 CHIG|XP\_018161876.1 CVIN|KAF4926150.1 CVIN|KAF4926153.1 CVYL|A12144

>Orthogroup9023: CFRU|XP\_031879301.1 CGLO|KAF3808667.1 CHIG|XP\_018161846.1 CVIN|KAF4926169.1 CVYL|A11733 FGRM|XP\_011317937.1 MORY|QBZ59967.1

>Orthogroup9024: CFRU|XP\_031879191.1 CGLO|KAF3807110.1 CHIG|XP\_018159761.1 CVIN|KAF4919058.1 CVYL|A06396 FGRM|XP\_011323281.1 NCRA|XP\_959429.2

>Orthogroup9025: CFRU|XP\_031879204.1 CGLO|KAF3807086.1 CHIG|XP\_018159747.1 CVIN|KAF4919064.1 CVYL|A06380 FGRM|XP\_011320676.1 MORY|QBZ65114.1

>Orthogroup9026: CFRU|XP\_031879184.1 CGLO|KAF3807082.1 CHIG|XP\_018164677.1 CVIN|KAF4919042.1 CVYL|A06376 MORY|QBZ57680.1 MORY|QBZ66218.1

>Orthogroup9027: CFRU|XP\_031879265.1 CGLO|KAF3807051.1 CHIG|XP\_018159697.1 CVIN|KAF4920270.1 CVYL|A06345 FGRM|XP\_011323220.1 MORY|QBZ65484.1

>Orthogroup9028: CFRU|XP\_031878951.1 CGLO|KAF3807897.1 CHIG|XP\_018163074.1 CVIN|KAF4922612.1 CVYL|A00717 FGRM|XP\_011322098.1 MORY|QBZ64270.1

>Orthogroup9029: CFRU|XP\_031878923.1 CFRU|XP\_031878925.1 CGLO|KAF3807868.1 CVIN|KAF4922627.1 CVIN|KAF4922630.1 CVYL|A00743 CVYL|A00744

>Orthogroup9030: CFRU|XP\_031878851.1 CGLO|KAF3802575.1 CHIG|XP\_018161345.1 CVIN|KAF4917604.1 CVYL|A01863 FGRM|XP\_011325094.1 MORY|QBZ55936.1

>Orthogroup9031: CFRU|XP\_031878867.1 CGLO|KAF3802595.1 CHIG|XP\_018161285.1 CVYL|A01881 FGRM|XP\_011318641.1 MLAR|XP\_007407510.1 MLAR|XP\_007412369.1

>Orthogroup9032: CFRU|XP\_031878774.1 CGLO|KAF3802603.1 CHIG|XP\_018161315.1 CVIN|KAF4911605.1 CVYL|A01890 FGRM|XP\_011320445.1 MORY|QBZ60547.1

>Orthogroup9033: CFRU|XP\_031878802.1 CGLO|KAF3797495.1 CHIG|XP\_018157996.1 CVIN|KAF4921627.1 CVYL|A01944 MLAR|XP\_007403542.1 MLAR|XP\_007407469.1

>Orthogroup9034: CFRU|XP\_031878741.1 CGLO|KAF3803850.1 CHIG|XP\_018151089.1 CHIG|XP\_018159642.1 CVIN|KAF4906654.1 CVYL|A08952 NCRA|XP\_962133.2

>Orthogroup9035: CFRU|XP\_031878598.1 CGLO|KAF3798471.1 CHIG|XP\_018161230.1 CVIN|KAF4917468.1 CVYL|A11173 FGRM|XP\_011325868.1 MORY|QBZ65146.1

>Orthogroup9036: CFRU|XP\_031878460.1 CFRU|XP\_031878521.1 CGLO|KAF3798593.1 CHIG|XP\_018155483.1 CVIN|KAF4930114.1 CVYL|A04852 FGRM|XP\_011322689.1

>Orthogroup9037: CFRU|XP\_031878278.1 CGLO|KAF3798066.1 CHIG|XP\_018158160.1 CVIN|KAF4927968.1 CVYL|A08291 MORY|QBZ60638.1 NCRA|XP\_962124.1

>Orthogroup9038: CFRU|XP\_031890548.1 CGLO|KAF3806695.1 CHIG|XP\_018158668.1 CVIN|KAF4925960.1 CVYL|A13999 FGRM|XP\_011316653.1 MORY|QBZ55486.1

>Orthogroup9039: CFRU|XP\_031890545.1 CGLO|KAF3806694.1 CHIG|XP\_018158666.1 CVIN|KAF4925984.1 CVYL|A13997 FGRM|XP\_011316652.1 MORY|QBZ55485.1

>Orthogroup9040: CFRU|XP\_031890508.1 CGLO|KAF3804824.1 CHIG|XP\_018164316.1 CVIN|KAF4929794.1 CVYL|A12250 FGRM|XP\_011317014.1 NCRA|XP\_001728365.2

>Orthogroup9041: CFRU|XP\_031890456.1 CGLO|KAF3804942.1 CHIG|XP\_018164447.1 CVIN|KAF4919413.1 CVYL|A12112 MORY|QBZ54711.1 SSCL|APA08963.1

>Orthogroup9042: CFRU|XP\_031878237.1 CGLO|KAF3808491.1 CHIG|XP\_018153776.1 CVIN|KAF4917739.1 CVYL|A11648 FGRM|XP\_011327392.1 MORY|QBZ53656.1

>Orthogroup9043: CFRU|XP\_031878201.1 CGLO|KAF3808529.1 CHIG|XP\_018161940.1 CVIN|KAF4917630.1 CVYL|A11610 FGRM|XP\_011323492.1 MGRA|XP\_003849154.1

>Orthogroup9044: CFRU|XP\_031878136.1 CGLO|KAF3801812.1 CHIG|XP\_018159333.1 CVIN|KAF4917001.1 CVYL|A12894 FGRM|XP\_011322845.1 NCRA|XP\_960502.2

>Orthogroup9045: CFRU|XP\_031877903.1 CGLO|KAF3810958.1 CHIG|XP\_018154878.1 CVIN|KAF4907250.1 CVYL|A02190 MGRA|XP\_003853298.1 SSCL|APA08414.1

>Orthogroup9046: CFRU|XP\_031877890.1 CGLO|KAF3810934.1 CHIG|XP\_018154896.1 CVIN|KAF4909518.1 CVYL|A02212 MLAR|XP\_007411615.1 NCRA|XP\_958391.1

>Orthogroup9047: CFRU|XP\_031877948.1 CGLO|KAF3810928.1 CHIG|XP\_018154895.1 CVIN|KAF4909516.1 CVYL|A02217 FGRM|XP\_011320434.1 SSCL|APA10085.1

>Orthogroup9048: CFRU|XP\_031877938.1 CGLO|KAF3810892.1 CHIG|XP\_018154922.1 CVIN|KAF4916374.1 CVYL|A02251 FGRM|XP\_011321839.1 FGRM|XP\_011322708.1

>Orthogroup9049: CFRU|XP\_031877970.1 CGLO|KAF3810884.1 CHIG|XP\_018154910.1 CVIN|KAF4916358.1 CVYL|A02260 FGRM|XP\_011322870.1 MORY|QBZ60042.1

>Orthogroup9050: CFRU|XP\_031877848.1 CGLO|KAF3806618.1 CVIN|KAF4918896.1 CVIN|KAF4918897.1 CVYL|A12328 FGRM|XP\_011322804.1 MORY|QBZ55072.1

>Orthogroup9051: CFRU|XP\_031877481.1 CGLO|KAF3797521.1 CHIG|XP\_018161267.1 CVIN|KAF4921617.1 CVYL|A01969 MGRA|XP\_003852527.1 NCRA|XP\_961668.2

>Orthogroup9052: CFRU|XP\_031877489.1 CFRU|XP\_031877503.1 CFRU|XP\_031877507.1 CGLO|KAF3798414.1 CHIG|XP\_018162659.1 CVYL|A11221 CVYL|A11222

>Orthogroup9053: CFRU|XP\_031890265.1 CGLO|KAF3802809.1 CHIG|XP\_018158420.1 CHIG|XP\_018159858.1 CVIN|KAF4908251.1 CVYL|A11373 FGRM|XP\_011323850.1

>Orthogroup9054: CFRU|XP\_031890170.1 CHIG|XP\_018158432.1 CVIN|KAF4905805.1 CVYL|A05184 FGRM|XP\_011322642.1 MORY|QBZ59730.1 NCRA|XP\_957052.1

>Orthogroup9055: CFRU|XP\_031890184.1 CGLO|KAF3802869.1 CHIG|XP\_018158467.1 CVIN|KAF4923827.1 CVYL|A05144 FGRM|XP\_011318720.1 MGRA|XP\_003852807.1

>Orthogroup9056: CFRU|XP\_031890242.1 CGLO|KAF3802880.1 CHIG|XP\_018158480.1 CHIG|XP\_018158481.1 CHIG|XP\_018158482.1 CVIN|KAF4923845.1 CVYL|A05133

>Orthogroup9057: CFRU|XP\_031890192.1 CGLO|KAF3802929.1 CHIG|XP\_018158530.1 CVIN|KAF4925586.1 CVYL|A05089 MGRA|XP\_003853807.1 MORY|QBZ54853.1

>Orthogroup9058: CFRU|XP\_031890066.1 CHIG|XP\_018151642.1 CHIG|XP\_018159781.1 CVIN|KAF4912771.1 CVYL|A09161 FGRM|XP\_011318309.1 MORY|QBZ57774.1

>Orthogroup9059: CFRU|XP\_031877418.1 CHIG|XP\_018162035.1 CVIN|KAF4931444.1 CVYL|A11741 FGRM|XP\_011324099.1 MORY|QBZ61424.1 NCRA|XP\_956409.2

>Orthogroup9060: CFRU|XP\_031877311.1 CGLO|KAF3799877.1 CHIG|XP\_018153816.1 CVIN|KAF4921728.1 CVYL|A09641 FGRM|XP\_011325410.1 NCRA|XP\_958046.2

>Orthogroup9061: CFRU|XP\_031877347.1 CGLO|KAF3799867.1 CVIN|KAF4921708.1 CVYL|A09650 FGRM|XP\_011315569.1 NCRA|XP\_959999.1 SSCL|APA07967.1

>Orthogroup9062: CFRU|XP\_031877183.1 CGLO|KAF3806416.1 CHIG|XP\_018162301.1 CVIN|KAF4918068.1 CVYL|A12010 FGRM|XP\_011326556.1 MORY|QBZ59550.1

>Orthogroup9063: CFRU|XP\_031877122.1 CFRU|XP\_031877123.1 CGLO|KAF3803981.1 CHIG|XP\_018161943.1 CVIN|KAF4925190.1 CVYL|A08818 CVYL|A08819

>Orthogroup9064: CFRU|XP\_031877050.1 CGLO|KAF3805198.1 CVIN|KAF4909084.1 CVYL|A05392 CVYL|A07958 CVYL|A08454 FGRM|XP\_011325792.1

>Orthogroup9065: CFRU|XP\_031876995.1 CGLO|KAF3800037.1 CGLO|KAF3803822.1 CHIG|XP\_018150477.1 CHIG|XP\_018150546.1 CHIG|XP\_018156655.1 CVYL|A05449

>Orthogroup9066: CFRU|XP\_031876818.1 CGLO|KAF3797979.1 CVIN|KAF4914932.1 CVYL|A08374 FGRM|XP\_011327491.1 MORY|QBZ60212.1 MORY|QBZ63748.1

>Orthogroup9067: CFRU|XP\_031889838.1 CGLO|KAF3810429.1 CHIG|XP\_018159185.1 CVYL|A13723 FGRM|XP\_011317176.1 MORY|QBZ65314.1 NCRA|XP\_962000.1

>Orthogroup9068: CFRU|XP\_031889611.1 CGLO|KAF3810438.1 CHIG|XP\_018159179.1 CVIN|KAF4924656.1 CVYL|A13823 FGRM|XP\_011317175.1 NCRA|XP\_959831.2

>Orthogroup9069: CFRU|XP\_031889835.1 CGLO|KAF3810565.1 CHIG|XP\_018154212.1 CHIG|XP\_018159036.1 CVIN|KAF4892077.1 CVIN|KAF4892085.1 CVYL|A13643

>Orthogroup9070: CFRU|XP\_031889532.1 CGLO|KAF3805884.1 CHIG|XP\_018158892.1 CVIN|KAF4920785.1 CVYL|A13829 FGRM|XP\_011317292.1 NCRA|XP\_965792.1

>Orthogroup9071: CFRU|XP\_031889802.1 CGLO|KAF3805883.1 CHIG|XP\_018158891.1 CVIN|KAF4920786.1 CVYL|A13830 FGRM|XP\_011317291.1 NCRA|XP\_965793.1

>Orthogroup9072: CFRU|XP\_031876670.1 CGLO|KAF3801889.1 CHIG|XP\_018159386.1 CHIG|XP\_018161574.1 CVIN|KAF4913582.1 CVYL|A02334 NCRA|XP\_958941.1

>Orthogroup9073: CFRU|XP\_031876605.1 CGLO|KAF3800907.1 CVIN|KAF4907258.1 CVIN|KAF4907267.1 CVYL|A12444 FGRM|XP\_011318638.1 FGRM|XP\_011322761.1

>Orthogroup9074: CFRU|XP\_031876434.1 CGLO|KAF3801939.1 CHIG|XP\_018159400.1 CVIN|KAF4918718.1 CVYL|A02376 FGRM|XP\_011320530.1 MORY|QBZ61830.1

>Orthogroup9075: CFRU|XP\_031876409.1 CGLO|KAF3801967.1 CHIG|XP\_018159416.1 CVIN|KAF4919789.1 CVYL|A02402 FGRM|XP\_011320390.1 MORY|QBZ63978.1

>Orthogroup9076: CFRU|XP\_031889228.1 CGLO|KAF3808920.1 CVIN|KAF4920746.1 CVYL|A01165 FGRM|XP\_011322205.1 FGRM|XP\_011325113.1 MGRA|XP\_003855883.1

>Orthogroup9077: CFRU|XP\_031889224.1 CGLO|KAF3808914.1 CHIG|XP\_018155762.1 CHIG|XP\_018163257.1 CVIN|KAF4920736.1 CVYL|A01171 FGRM|XP\_011326237.1

>Orthogroup9078: CFRU|XP\_031889313.1 CGLO|KAF3808912.1 CHIG|XP\_018155780.1 CVIN|KAF4920737.1 CVYL|A01173 FGRM|XP\_011322386.1 MGRA|XP\_003856681.1

>Orthogroup9079: CFRU|XP\_031889275.1 CGLO|KAF3808866.1 CHIG|XP\_018161114.1 CVIN|KAF4896679.1 CVYL|A01215 FGRM|XP\_011326040.1 MORY|QBZ65454.1

>Orthogroup9080: CFRU|XP\_031889238.1 CGLO|KAF3808825.1 CHIG|XP\_018155731.1 CVYL|A01253 FGRM|XP\_011321739.1 MGRA|XP\_003854213.1 MORY|QBZ65030.1

>Orthogroup9081: CFRU|XP\_031889385.1 CGLO|KAF3808761.1 CHIG|XP\_018155664.1 CHIG|XP\_018159009.1 CHIG|XP\_018163672.1 CVIN|KAF4906983.1 CVYL|A00901

>Orthogroup9082: CFRU|XP\_031889196.1 CGLO|KAF3808747.1 CHIG|XP\_018155647.1 CVIN|KAF4906991.1 CVIN|KAF4906992.1 CVYL|A00913 FGRM|XP\_011315816.1

>Orthogroup9083: CFRU|XP\_031889103.1 CGLO|KAF3803085.1 CHIG|XP\_018155584.1 CVIN|KAF4929549.1 CVYL|A00977 FGRM|XP\_011320981.1 MGRA|XP\_003857038.1

>Orthogroup9084: CFRU|XP\_031889436.1 CGLO|KAF3797687.1 CHIG|XP\_018155465.1 CVIN|KAF4928276.1 CVYL|A01084 FGRM|XP\_011327600.1 NCRA|XP\_960169.2

>Orthogroup9085: CFRU|XP\_031876272.1 CGLO|KAF3805666.1 CHIG|XP\_018164665.1 CVIN|KAF4925743.1 CVYL|A07529 FGRM|XP\_011325759.1 MORY|QBZ59395.1

>Orthogroup9086: CGLO|KAF3797426.1 CGLO|KAF3799501.1 CHIG|XP\_018154485.1 CVYL|A10249 FGRM|XP\_011321247.1 MORY|QBZ57268.1 NCRA|XP\_955926.2

>Orthogroup9087: CGLO|KAF3807023.1 CHIG|XP\_018150928.1 CHIG|XP\_018163737.1 CVYL|A06318 CVYL|A11435 FGRM|XP\_011322005.1 MGRA|XP\_003854821.1

>Orthogroup9088: CGLO|KAF3805430.1 CHIG|XP\_018155290.1 CVIN|KAF4930412.1 CVYL|A05560 FGRM|XP\_011325571.1 MORY|QBZ54041.1 NCRA|XP\_956850.2

>Orthogroup9089: CGLO|KAF3799114.1 CGLO|KAF3799116.1 CHIG|XP\_018155577.1 CVYL|A13773 FGRM|XP\_011325101.1 FGRM|XP\_011327543.1 NCRA|XP\_965595.2

>Orthogroup9090: CHIG|XP\_018151764.1 CHIG|XP\_018155012.1 CHIG|XP\_018156575.1 CHIG|XP\_018158031.1 CHIG|XP\_018158032.1 CHIG|XP\_018161696.1 CHIG|XP\_018163140.1

>Orthogroup9091: CHIG|XP\_018150598.1 CHIG|XP\_018150610.1 CHIG|XP\_018150728.1 CHIG|XP\_018151900.1 CHIG|XP\_018159773.1 MORY|QBZ57561.1 MORY|QBZ65306.1

>Orthogroup9092: CHIG|XP\_018150630.1 CHIG|XP\_018150651.1 CHIG|XP\_018150676.1 CHIG|XP\_018150731.1 CHIG|XP\_018154861.1 CHIG|XP\_018156191.1 CVYL|A04908

>Orthogroup9093: FGRM|XP\_011318226.1 FGRM|XP\_011320708.1 FGRM|XP\_011322445.1 FGRM|XP\_011322633.1 FGRM|XP\_011325776.1 FGRM|XP\_011327583.1 FGRM|XP\_011328531.1

>Orthogroup9094: MGRA|XP\_003847520.1 MGRA|XP\_003851881.1 MGRA|XP\_003852736.1 MGRA|XP\_003853701.1 MGRA|XP\_003854729.1 MGRA|XP\_003857324.1 MGRA|XP\_003857814.1

>Orthogroup9095: MGRA|XP\_003849640.1 MGRA|XP\_003853522.1 MGRA|XP\_003853606.1 MGRA|XP\_003855861.1 MGRA|XP\_003857655.1 MGRA|XP\_003857662.1 MGRA|XP\_003857668.1

>Orthogroup9096: MGRA|XP\_003849816.1 MGRA|XP\_003849817.1 MGRA|XP\_003849818.1 MGRA|XP\_003853353.1 MGRA|XP\_003856743.1 NCRA|XP\_956341.1 NCRA|XP\_963578.1

>Orthogroup9097: MGRA|XP\_003852061.1 MLAR|XP\_007404383.1 MLAR|XP\_007404673.1 MLAR|XP\_007404676.1 MLAR|XP\_007404677.1 MLAR|XP\_007405100.1 MLAR|XP\_007412461.1

>Orthogroup9098: MGRA|XP\_003850823.1 MGRA|XP\_003850824.1 MGRA|XP\_003850827.1 MGRA|XP\_003850828.1 MGRA|XP\_003850831.1 MGRA|XP\_003851007.1 MGRA|XP\_003851009.1

>Orthogroup9099: MGRA|XP\_003850961.1 MORY|QBZ57602.1 MORY|QBZ57608.1 MORY|QBZ57637.1 SSCL|APA11982.1 SSCL|APA14938.1 SSCL|APA15004.1

>Orthogroup9100: MGRA|XP\_003846895.1 MGRA|XP\_003846952.1 MGRA|XP\_003847122.1 MGRA|XP\_003847143.1 MGRA|XP\_003847197.1 MGRA|XP\_003847298.1 MGRA|XP\_003847361.1

>Orthogroup9101: MLAR|XP\_007403478.1 MLAR|XP\_007406678.1 MLAR|XP\_007412909.1 MLAR|XP\_007415805.1 MLAR|XP\_007417792.1 MLAR|XP\_007418595.1 MLAR|XP\_007418609.1

>Orthogroup9102: MLAR|XP\_007403562.1 MLAR|XP\_007404943.1 MLAR|XP\_007405860.1 MLAR|XP\_007405901.1 MLAR|XP\_007405966.1 MLAR|XP\_007412883.1 MLAR|XP\_007413116.1

>Orthogroup9103: MLAR|XP\_007404092.1 MLAR|XP\_007409909.1 MLAR|XP\_007414758.1 MLAR|XP\_007415364.1 MLAR|XP\_007418874.1 MLAR|XP\_007418875.1 MLAR|XP\_007418876.1

>Orthogroup9104: MLAR|XP\_007403651.1 MLAR|XP\_007407190.1 MLAR|XP\_007407965.1 MLAR|XP\_007412575.1 MLAR|XP\_007415662.1 MLAR|XP\_007417569.1 MLAR|XP\_007417767.1

>Orthogroup9105: MLAR|XP\_007403742.1 MLAR|XP\_007407428.1 MLAR|XP\_007410563.1 MLAR|XP\_007411613.1 MLAR|XP\_007413767.1 MLAR|XP\_007416011.1 MLAR|XP\_007417550.1

>Orthogroup9106: MLAR|XP\_007403769.1 MLAR|XP\_007411411.1 MLAR|XP\_007412592.1 MLAR|XP\_007415441.1 MLAR|XP\_007415442.1 MLAR|XP\_007416278.1 MLAR|XP\_007416279.1

>Orthogroup9107: MLAR|XP\_007403784.1 MLAR|XP\_007406797.1 MLAR|XP\_007408015.1 MLAR|XP\_007408302.1 MLAR|XP\_007409524.1 MLAR|XP\_007409525.1 MLAR|XP\_007409526.1

>Orthogroup9108: MLAR|XP\_007403852.1 MLAR|XP\_007404467.1 MLAR|XP\_007409832.1 MLAR|XP\_007410390.1 MLAR|XP\_007411171.1 MLAR|XP\_007416209.1 MLAR|XP\_007418069.1

>Orthogroup9109: MLAR|XP\_007404824.1 MLAR|XP\_007405548.1 MLAR|XP\_007407100.1 MLAR|XP\_007407144.1 MLAR|XP\_007415623.1 MLAR|XP\_007416778.1 MLAR|XP\_007419446.1

>Orthogroup9110: MLAR|XP\_007404937.1 MLAR|XP\_007411109.1 MLAR|XP\_007415017.1 MLAR|XP\_007415019.1 MLAR|XP\_007415020.1 MLAR|XP\_007415021.1 MLAR|XP\_007416107.1

>Orthogroup9111: MLAR|XP\_007405384.1 MLAR|XP\_007407999.1 MLAR|XP\_007408843.1 MLAR|XP\_007410049.1 MLAR|XP\_007417898.1 MLAR|XP\_007419188.1 MLAR|XP\_007419580.1

>Orthogroup9112: MLAR|XP\_007404991.1 MLAR|XP\_007404994.1 MLAR|XP\_007404995.1 MLAR|XP\_007413395.1 MLAR|XP\_007417520.1 MLAR|XP\_007419097.1 MLAR|XP\_007419098.1

>Orthogroup9113: MLAR|XP\_007405273.1 MLAR|XP\_007408803.1 MLAR|XP\_007410250.1 MLAR|XP\_007412844.1 MLAR|XP\_007413512.1 MLAR|XP\_007414918.1 MLAR|XP\_007418455.1

>Orthogroup9114: MLAR|XP\_007405096.1 MLAR|XP\_007407295.1 MLAR|XP\_007408172.1 MLAR|XP\_007408881.1 MLAR|XP\_007410507.1 MLAR|XP\_007410511.1 MLAR|XP\_007410512.1

>Orthogroup9115: MLAR|XP\_007405118.1 MLAR|XP\_007407450.1 MLAR|XP\_007408802.1 MLAR|XP\_007413592.1 MLAR|XP\_007415341.1 MLAR|XP\_007416174.1 MLAR|XP\_007419693.1

>Orthogroup9116: MLAR|XP\_007405225.1 MLAR|XP\_007406863.1 MLAR|XP\_007406864.1 MLAR|XP\_007411233.1 MLAR|XP\_007411422.1 MLAR|XP\_007413565.1 MLAR|XP\_007418655.1

>Orthogroup9117: MLAR|XP\_007405197.1 MLAR|XP\_007410188.1 MLAR|XP\_007411012.1 MLAR|XP\_007414689.1 MLAR|XP\_007415632.1 MLAR|XP\_007415693.1 MLAR|XP\_007418527.1

>Orthogroup9118: MLAR|XP\_007405698.1 MLAR|XP\_007405842.1 MLAR|XP\_007408378.1 MLAR|XP\_007410330.1 MLAR|XP\_007411051.1 MLAR|XP\_007414933.1 MLAR|XP\_007419045.1

>Orthogroup9119: MLAR|XP\_007405785.1 MLAR|XP\_007407298.1 MLAR|XP\_007407528.1 MLAR|XP\_007408292.1 MLAR|XP\_007414778.1 MLAR|XP\_007414781.1 MLAR|XP\_007416950.1

>Orthogroup9120: MLAR|XP\_007405757.1 MLAR|XP\_007406703.1 MLAR|XP\_007411872.1 MLAR|XP\_007414338.1 MLAR|XP\_007414372.1 MLAR|XP\_007416074.1 MLAR|XP\_007416467.1

>Orthogroup9121: MLAR|XP\_007405597.1 MLAR|XP\_007405598.1 MLAR|XP\_007405603.1 MLAR|XP\_007406061.1 MLAR|XP\_007406062.1 MLAR|XP\_007415200.1 MLAR|XP\_007415204.1

>Orthogroup9122: MLAR|XP\_007405913.1 MLAR|XP\_007406286.1 MLAR|XP\_007407935.1 MLAR|XP\_007408786.1 MLAR|XP\_007411558.1 MLAR|XP\_007414353.1 MLAR|XP\_007417525.1

>Orthogroup9123: MLAR|XP\_007405916.1 MLAR|XP\_007411501.1 MLAR|XP\_007411504.1 MLAR|XP\_007412885.1 MLAR|XP\_007413823.1 MLAR|XP\_007416430.1 MLAR|XP\_007419007.1

>Orthogroup9124: MLAR|XP\_007406271.1 MLAR|XP\_007406273.1 MLAR|XP\_007411450.1 MLAR|XP\_007411451.1 MLAR|XP\_007416068.1 MLAR|XP\_007418401.1 MLAR|XP\_007419632.1

>Orthogroup9125: MLAR|XP\_007406032.1 MLAR|XP\_007408357.1 MLAR|XP\_007408368.1 MLAR|XP\_007416078.1 MLAR|XP\_007416415.1 MLAR|XP\_007418308.1 MLAR|XP\_007419089.1

>Orthogroup9126: MLAR|XP\_007406053.1 MLAR|XP\_007413691.1 MLAR|XP\_007413692.1 MLAR|XP\_007413696.1 MLAR|XP\_007413699.1 MLAR|XP\_007413843.1 MLAR|XP\_007413844.1

>Orthogroup9127: MLAR|XP\_007406081.1 MLAR|XP\_007407533.1 MLAR|XP\_007410973.1 MLAR|XP\_007412035.1 MLAR|XP\_007412710.1 MLAR|XP\_007415380.1 MLAR|XP\_007415446.1

>Orthogroup9128: MLAR|XP\_007406130.1 MLAR|XP\_007406800.1 MLAR|XP\_007407131.1 MLAR|XP\_007407336.1 MLAR|XP\_007408151.1 MLAR|XP\_007412920.1 MLAR|XP\_007416531.1

>Orthogroup9129: MLAR|XP\_007406698.1 MLAR|XP\_007408666.1 MLAR|XP\_007408811.1 MLAR|XP\_007412075.1 MLAR|XP\_007414798.1 MLAR|XP\_007414799.1 MLAR|XP\_007416146.1

>Orthogroup9130: MLAR|XP\_007406434.1 MLAR|XP\_007406601.1 MLAR|XP\_007409913.1 MLAR|XP\_007415617.1 MLAR|XP\_007415619.1 MLAR|XP\_007415714.1 MLAR|XP\_007415718.1

>Orthogroup9131: MLAR|XP\_007406446.1 MLAR|XP\_007407122.1 MLAR|XP\_007407344.1 MLAR|XP\_007407345.1 MLAR|XP\_007412302.1 MLAR|XP\_007417357.1 MLAR|XP\_007417387.1

>Orthogroup9132: MLAR|XP\_007406717.1 MLAR|XP\_007406723.1 MLAR|XP\_007413223.1 MLAR|XP\_007413226.1 MLAR|XP\_007416776.1 MLAR|XP\_007416819.1 MLAR|XP\_007417991.1

>Orthogroup9133: MLAR|XP\_007406718.1 MLAR|XP\_007408110.1 MLAR|XP\_007408969.1 MLAR|XP\_007409088.1 MLAR|XP\_007409092.1 MLAR|XP\_007409093.1 MLAR|XP\_007409095.1

>Orthogroup9134: MLAR|XP\_007407011.1 MLAR|XP\_007413189.1 MLAR|XP\_007413555.1 MLAR|XP\_007413607.1 MLAR|XP\_007416824.1 MLAR|XP\_007416865.1 MLAR|XP\_007417309.1

>Orthogroup9135: MLAR|XP\_007406878.1 MLAR|XP\_007406879.1 MLAR|XP\_007406954.1 MLAR|XP\_007406960.1 MLAR|XP\_007410821.1 MLAR|XP\_007411471.1 MLAR|XP\_007416684.1

>Orthogroup9136: MLAR|XP\_007407357.1 MLAR|XP\_007407399.1 MLAR|XP\_007407690.1 MLAR|XP\_007409216.1 MLAR|XP\_007410242.1 MLAR|XP\_007414978.1 MLAR|XP\_007418634.1

>Orthogroup9137: MLAR|XP\_007407456.1 MLAR|XP\_007407632.1 MLAR|XP\_007408916.1 MLAR|XP\_007412469.1 MLAR|XP\_007412958.1 MLAR|XP\_007417179.1 MLAR|XP\_007417937.1

>Orthogroup9138: MLAR|XP\_007408433.1 MLAR|XP\_007408497.1 MLAR|XP\_007408502.1 MLAR|XP\_007408507.1 MLAR|XP\_007408508.1 MLAR|XP\_007411476.1 MLAR|XP\_007414891.1

>Orthogroup9139: MLAR|XP\_007410860.1 MLAR|XP\_007410956.1 MLAR|XP\_007411359.1 MLAR|XP\_007412455.1 MLAR|XP\_007415637.1 MLAR|XP\_007416577.1 MLAR|XP\_007417514.1

>Orthogroup9140: MLAR|XP\_007411686.1 MLAR|XP\_007411750.1 MLAR|XP\_007411790.1 MLAR|XP\_007414300.1 MLAR|XP\_007414865.1 MLAR|XP\_007414866.1 MLAR|XP\_007414868.1

>Orthogroup9141: MLAR|XP\_007413992.1 MLAR|XP\_007415538.1 MLAR|XP\_007415539.1 MLAR|XP\_007417441.1 MLAR|XP\_007419020.1 MLAR|XP\_007419459.1 MLAR|XP\_007419460.1

>Orthogroup9142: MORY|QBZ53636.1 MORY|QBZ58926.1 MORY|QBZ61952.1 MORY|QBZ61953.1 MORY|QBZ63472.1 MORY|QBZ65322.1 MORY|QBZ66289.1

>Orthogroup9143: NCRA|XP\_001728387.1 NCRA|XP\_011394376.1 NCRA|XP\_957051.1 NCRA|XP\_958004.2 NCRA|XP\_958005.1 NCRA|XP\_958726.1 NCRA|XP\_964643.1

>Orthogroup9144: NCRA|XP\_011393656.1 NCRA|XP\_011394855.1 NCRA|XP\_011394856.1 NCRA|XP\_955824.1 NCRA|XP\_958454.1 NCRA|XP\_958472.1 NCRA|XP\_958473.1

>Orthogroup9145: ANID|CBF69511.1 ANID|CBF82176.1 BCIN|XP\_024547392.1 MLAR|XP\_007406208.1 MLAR|XP\_007416492.1 MLAR|XP\_007416493.1

>Orthogroup9146: ANID|CBF69558.1 CFRU|XP\_031883844.1 CGLO|KAF3805168.1 CHIG|XP\_018163346.1 CVIN|KAF4927475.1 FGRM|XP\_011327652.1

>Orthogroup9147: ANID|CBF69949.1 CFRU|XP\_031892341.1 CGLO|KAF3807214.1 CHIG|XP\_018157020.1 CVIN|KAF4928153.1 CVYL|A10697

>Orthogroup9148: ANID|CBF70082.1 CFRU|XP\_031882171.1 CGLO|KAF3804357.1 CVIN|KAF4918351.1 CVYL|A04061 FGRM|XP\_011324549.1

>Orthogroup9149: ANID|CBF70508.1 ANID|CBF84675.1 CHIG|XP\_018152592.1 CVYL|A06221 FGRM|XP\_011319426.1 MORY|QBZ65539.1

>Orthogroup9150: ANID|CBF70537.1 BCIN|XP\_001545998.1 MGRA|XP\_003854781.1 MORY|QBZ59683.1 NCRA|XP\_956790.2 SSCL|APA08268.1

>Orthogroup9151: ANID|CBF70802.1 BCIN|XP\_024553833.1 BGRA|VDB93498.1 MGRA|XP\_003852252.1 MORY|QBZ62829.1 SSCL|APA15240.1

>Orthogroup9152: ANID|CBF71167.1 CFRU|XP\_031879168.1 CGLO|KAF3807118.1 CHIG|XP\_018150771.1 CVIN|KAF4919051.1 MGRA|XP\_003851495.1

>Orthogroup9153: ANID|CBF71357.1 BCIN|XP\_001554146.2 BGRA|VDB94476.1 MGRA|XP\_003852203.1 MLAR|XP\_007407488.1 SSCL|APA05513.1

>Orthogroup9154: ANID|CBF71509.1 CFRU|XP\_031879749.1 CGLO|KAF3798183.1 CVIN|KAF4919130.1 CVYL|A04941 FGRM|XP\_011315619.1

>Orthogroup9155: ANID|CBF71511.1 CFRU|XP\_031887990.1 CGLO|KAF3802081.1 CVIN|KAF4917969.1 CVYL|A03306 NCRA|XP\_956701.1

>Orthogroup9156: ANID|CBF71521.1 CFRU|XP\_031879123.1 CGLO|KAF3798844.1 CVIN|KAF4919608.1 CVYL|A09091 MGRA|XP\_003857121.1

>Orthogroup9157: ANID|CBF71659.1 ANID|CBF85772.1 CFRU|XP\_031891140.1 CGLO|KAF3797943.1 CGLO|KAF3805534.1 CHIG|XP\_018161225.1

>Orthogroup9158: ANID|CBF71805.1 CFRU|XP\_031881171.1 CGLO|KAF3802537.1 CHIG|XP\_018153210.1 CVIN|KAF4919013.1 CVYL|A02121

>Orthogroup9159: ANID|CBF73419.1 ANID|CBF79093.1 ANID|CBF85719.1 FGRM|XP\_011324295.1 FGRM|XP\_011328701.1 MGRA|XP\_003850071.1

>Orthogroup9160: ANID|CBF73597.1 ANID|CBF78155.1 CFRU|XP\_031881264.1 CGLO|KAF3802564.1 CVIN|KAF4921844.1 CVYL|A02153

>Orthogroup9161: ANID|CBF73864.1 ANID|CBF84489.1 ANID|CBF89276.1 ANID|CBF89323.1 CGLO|KAF3803808.1 CVYL|A05465

>Orthogroup9162: ANID|CBF73868.1 CFRU|XP\_031876974.1 CFRU|XP\_031881437.1 CGLO|KAF3800924.1 CVIN|KAF4920883.1 CVYL|A05979

>Orthogroup9163: ANID|CBF74178.1 CFRU|XP\_031890930.1 CGLO|KAF3811746.1 CHIG|XP\_018151785.1 CVIN|KAF4923017.1 CVYL|A12761

>Orthogroup9164: ANID|CBF74242.1 CFRU|XP\_031884736.1 CGLO|KAF3812142.1 CHIG|XP\_018153370.1 CVIN|KAF4918758.1 CVYL|A00254

>Orthogroup9165: ANID|CBF74605.1 ANID|CBF75716.1 CFRU|XP\_031878182.1 CGLO|KAF3808487.1 CHIG|XP\_018153106.1 NCRA|XP\_955760.1

>Orthogroup9166: ANID|CBF74641.1 CFRU|XP\_031883529.1 CGLO|KAF3800227.1 CHIG|XP\_018157680.1 CVIN|KAF4921797.1 CVYL|A12402

>Orthogroup9167: ANID|CBF74654.1 CFRU|XP\_031877031.1 CGLO|KAF3811098.1 CHIG|XP\_018152969.1 CVIN|KAF4911072.1 CVYL|A07987

>Orthogroup9168: ANID|CBF74950.1 CFRU|XP\_031878524.1 CGLO|KAF3798642.1 CGLO|KAF3799789.1 CVIN|KAF4912446.1 CVYL|A04809

>Orthogroup9169: ANID|CBF75042.1 BCIN|XP\_001550467.1 FGRM|XP\_011321254.1 MGRA|XP\_003849954.1 MGRA|XP\_003857606.1 SSCL|APA11659.1

>Orthogroup9170: ANID|CBF75191.1 CFRU|XP\_031890516.1 CGLO|KAF3806764.1 CVIN|KAF4919489.1 CVYL|A04977 MGRA|XP\_003857524.1

>Orthogroup9171: ANID|CBF75275.1 CFRU|XP\_031891434.1 CGLO|KAF3804738.1 CVIN|KAF4903568.1 CVYL|A05383 MGRA|XP\_003853706.1

>Orthogroup9172: ANID|CBF75880.1 CFRU|XP\_031887407.1 CGLO|KAF3809261.1 CHIG|XP\_018156094.1 CVIN|KAF4907396.1 CVYL|A01453

>Orthogroup9173: ANID|CBF75882.1 CFRU|XP\_031887410.1 CHIG|XP\_018156093.1 CVIN|KAF4907383.1 CVYL|A01452 MGRA|XP\_003852380.1

>Orthogroup9174: ANID|CBF75898.1 CFRU|XP\_031889257.1 CGLO|KAF3808845.1 CVYL|A01235 CVYL|A01236 CVYL|A01237

>Orthogroup9175: ANID|CBF75918.1 CFRU|XP\_031876020.1 CFRU|XP\_031887230.1 CHIG|XP\_018150700.1 CHIG|XP\_018154986.1 CHIG|XP\_018155019.1

>Orthogroup9176: ANID|CBF75928.1 ANID|CBF80527.1 ANID|CBF81712.1 ANID|CBF81781.1 ANID|CBF84910.1 ANID|CBF85151.1

>Orthogroup9177: ANID|CBF75930.1 ANID|CBF75932.1 BCIN|XP\_024547430.1 BCIN|XP\_024550215.1 CHIG|XP\_018156858.1 FGRM|XP\_011322089.1

>Orthogroup9178: ANID|CBF75942.1 ANID|CBF79037.1 ANID|CBF82971.1 ANID|CBF83199.1 ANID|CBF84458.1 SSCL|APA09337.1

>Orthogroup9179: ANID|CBF76056.1 CFRU|XP\_031889052.1 CGLO|KAF3799370.1 CVIN|KAF4910719.1 CVYL|A04686 MLAR|XP\_007414817.1

>Orthogroup9180: ANID|CBF76081.1 ANID|CBF80591.1 ANID|CBF80652.1 ANID|CBF81135.1 ANID|CBF86728.1 ANID|CBF86730.1

>Orthogroup9181: ANID|CBF76145.1 ANID|CBF84592.1 ANID|CBF86034.1 FGRM|XP\_011318059.1 FGRM|XP\_011326508.1 MGRA|XP\_003852751.1

>Orthogroup9182: ANID|CBF76169.1 CFRU|XP\_031883487.1 CGLO|KAF3811934.1 CHIG|XP\_018154058.1 CVIN|KAF4908653.1 CVYL|A06132

>Orthogroup9183: ANID|CBF76245.1 CFRU|XP\_031892094.1 CGLO|KAF3800115.1 CHIG|XP\_018165053.1 CVIN|KAF4925804.1 CVYL|A06806

>Orthogroup9184: ANID|CBF76366.1 ANID|CBF78381.1 ANID|CBF79522.1 ANID|CBF82446.1 ANID|CBF84630.1 ANID|CBF88873.1

>Orthogroup9185: ANID|CBF76611.1 CFRU|XP\_031884639.1 CGLO|KAF3799033.1 CVIN|KAF4912182.1 CVYL|A11494 MGRA|XP\_003857269.1

>Orthogroup9186: ANID|CBF76719.1 CFRU|XP\_031879397.1 CGLO|KAF3808633.1 CHIG|XP\_018161879.1 CVIN|KAF4926154.1 CVYL|A12155

>Orthogroup9187: ANID|CBF77559.1 BCIN|XP\_024552801.1 FGRM|XP\_011322462.1 MGRA|XP\_003847865.1 MLAR|XP\_007408521.1 SSCL|APA16035.1

>Orthogroup9188: ANID|CBF77716.1 CFRU|XP\_031888462.1 CGLO|KAF3797817.1 CHIG|XP\_018158745.1 CVIN|KAF4923177.1 CVYL|A03045

>Orthogroup9189: ANID|CBF77775.1 BCIN|XP\_001556458.1 BGRA|VDB89223.1 MORY|QBZ62624.1 NCRA|XP\_957677.1 SSCL|APA06547.1

>Orthogroup9190: ANID|CBF78258.1 ANID|CBF80815.1 MGRA|XP\_003856829.1 MORY|QBZ61978.1 NCRA|XP\_958955.2 NCRA|XP\_959467.2

>Orthogroup9191: ANID|CBF78344.1 CFRU|XP\_031885930.1 CGLO|KAF3805511.1 CVYL|A05634 FGRM|XP\_011325378.1 MGRA|XP\_003847952.1

>Orthogroup9192: ANID|CBF78433.1 BCIN|XP\_024547747.1 CHIG|XP\_018150573.1 CVYL|A08652 SSCL|APA08001.1 SSCL|APA08002.1

>Orthogroup9193: ANID|CBF78459.1 CFRU|XP\_031881268.1 CGLO|KAF3802554.1 CHIG|XP\_018154852.1 CVIN|KAF4921872.1 CVYL|A02144

>Orthogroup9194: ANID|CBF78940.1 ANID|CBF86537.1 BCIN|XP\_024550650.1 BGRA|VDB93086.1 SSCL|APA06568.1 SSCL|APA11473.1

>Orthogroup9195: ANID|CBF79052.1 ANID|CBF85615.1 BCIN|XP\_024550900.1 CFRU|XP\_031889286.1 CHIG|XP\_018158975.1 FGRM|XP\_011320537.1

>Orthogroup9196: ANID|CBF79147.1 ANID|CBF85241.1 ANID|CBF85839.1 BCIN|XP\_024553010.1 CHIG|XP\_018158293.1 SSCL|APA09619.1

>Orthogroup9197: ANID|CBF79158.1 CFRU|XP\_031882447.1 CGLO|KAF3809419.1 CVIN|KAF4916338.1 CVYL|A03088 MGRA|XP\_003851103.1

>Orthogroup9198: ANID|CBF79160.1 CFRU|XP\_031882356.1 CGLO|KAF3809417.1 CVIN|KAF4916315.1 CVYL|A03086 MGRA|XP\_003850740.1

>Orthogroup9199: ANID|CBF79167.1 CVYL|A02645 FGRM|XP\_011323334.1 MORY|QBZ63388.1 MORY|QBZ64035.1 SSCL|APA09817.1

>Orthogroup9200: ANID|CBF79913.1 ANID|CBF80772.1 ANID|CBF86632.1 BCIN|XP\_024547802.1 FGRM|XP\_011325099.1 SSCL|APA08075.1

>Orthogroup9201: ANID|CBF80007.1 CFRU|XP\_031880265.1 CGLO|KAF3809016.1 CVIN|KAF4918021.1 CVYL|A01587 FGRM|XP\_011321562.1

>Orthogroup9202: ANID|CBF80125.1 BCIN|XP\_024546147.1 BCIN|XP\_024550910.1 MGRA|XP\_003847879.1 SSCL|APA07137.1 SSCL|APA11874.1

>Orthogroup9203: ANID|CBF80147.1 ANID|CBF87368.1 ANID|CBF90092.1 BCIN|XP\_001550501.1 FGRM|XP\_011327619.1 NCRA|XP\_001728167.1

>Orthogroup9204: ANID|CBF80167.1 ANID|CBF88267.1 CFRU|XP\_031888086.1 CGLO|KAF3802166.1 CVIN|KAF4907202.1 CVYL|A03227

>Orthogroup9205: ANID|CBF80223.1 ANID|CBF81148.1 ANID|CBF86379.1 ANID|CBF89320.1 MORY|QBZ63734.1 NCRA|XP\_956214.3

>Orthogroup9206: ANID|CBF80288.1 CHIG|XP\_018155411.1 FGRM|XP\_011323043.1 FGRM|XP\_011324885.1 FGRM|XP\_011325106.1 FGRM|XP\_011327597.1

>Orthogroup9207: ANID|CBF80463.1 CFRU|XP\_031881741.1 CGLO|KAF3800624.1 CVIN|KAF4918204.1 CVYL|A13093 FGRM|XP\_011320635.1

>Orthogroup9208: ANID|CBF80497.1 CFRU|XP\_031889271.1 CGLO|KAF3808871.1 CHIG|XP\_018154139.1 CVIN|KAF4896687.1 CVYL|A01211

>Orthogroup9209: ANID|CBF80500.1 CFRU|XP\_031889495.1 CGLO|KAF3808875.1 CHIG|XP\_018154135.1 CVIN|KAF4896684.1 CVYL|A01207

>Orthogroup9210: ANID|CBF80522.1 CFRU|XP\_031879202.1 CGLO|KAF3807088.1 CHIG|XP\_018161347.1 CVIN|KAF4919065.1 MGRA|XP\_003857437.1

>Orthogroup9211: ANID|CBF80535.1 MORY|QBZ54669.1 MORY|QBZ59283.1 MORY|QBZ61612.1 MORY|QBZ64122.1 MORY|QBZ66204.1

>Orthogroup9212: ANID|CBF80541.1 CFRU|XP\_031883174.1 CGLO|KAF3807955.1 CVIN|KAF4924059.1 CVYL|A00671 FGRM|XP\_011322929.1

>Orthogroup9213: ANID|CBF80577.1 CFRU|XP\_031888944.1 CGLO|KAF3804172.1 CHIG|XP\_018160030.1 CVIN|KAF4918366.1 CVYL|A03845

>Orthogroup9214: ANID|CBF80608.1 BCIN|XP\_001547923.1 CFRU|XP\_031876360.1 CGLO|KAF3811869.1 CVIN|KAF4920571.1 CVYL|A06191

>Orthogroup9215: ANID|CBF80675.1 CFRU|XP\_031888827.1 CGLO|KAF3799356.1 CVIN|KAF4910723.1 CVYL|A04564 MGRA|XP\_003853361.1

>Orthogroup9216: ANID|CBF80944.1 BCIN|XP\_024550519.1 BGRA|VDB93755.1 MGRA|XP\_003855657.1 MLAR|XP\_007414588.1 SSCL|APA11259.1

>Orthogroup9217: ANID|CBF81131.1 BGRA|VDB90996.1 CFRU|XP\_031884696.1 CGLO|KAF3812229.1 CVIN|KAF4919901.1 NCRA|XP\_001728032.2

>Orthogroup9218: ANID|CBF81137.1 BCIN|XP\_001554462.1 FGRM|XP\_011321814.1 FGRM|XP\_011322288.1 MGRA|XP\_003850812.1 SSCL|APA12641.1

>Orthogroup9219: ANID|CBF81397.1 CFRU|XP\_031882160.1 CGLO|KAF3804480.1 CVIN|KAF4930984.1 CVYL|A04194 FGRM|XP\_011328838.1

>Orthogroup9220: ANID|CBF81405.1 BCIN|XP\_001555174.1 CGLO|KAF3811370.1 MGRA|XP\_003850642.1 MLAR|XP\_007408380.1 SSCL|APA09166.1

>Orthogroup9221: ANID|CBF81558.1 BCIN|XP\_024552485.1 CGLO|KAF3806040.1 FGRM|XP\_011318000.1 FGRM|XP\_011327366.1 SSCL|APA08526.1

>Orthogroup9222: ANID|CBF81656.1 BCIN|XP\_001556772.1 FGRM|XP\_011327742.1 MGRA|XP\_003855714.1 NCRA|XP\_011394115.1 SSCL|APA14547.1

>Orthogroup9223: ANID|CBF81757.1 BCIN|XP\_024550584.1 BGRA|VDB94707.1 MGRA|XP\_003853998.1 MLAR|XP\_007404396.1 SSCL|APA11386.1

>Orthogroup9224: ANID|CBF81919.1 CFRU|XP\_031880670.1 CFRU|XP\_031880770.1 CGLO|KAF3809975.1 FGRM|XP\_011322254.1 NCRA|XP\_960636.3

>Orthogroup9225: ANID|CBF81958.1 CFRU|XP\_031889000.1 CGLO|KAF3804148.1 CHIG|XP\_018159985.1 CVIN|KAF4910271.1 CVYL|A03740

>Orthogroup9226: ANID|CBF82006.1 CFRU|XP\_031882369.1 CGLO|KAF3809420.1 CVIN|KAF4916340.1 CVYL|A03089 MGRA|XP\_003851102.1

>Orthogroup9227: ANID|CBF82058.1 CFRU|XP\_031893007.1 CGLO|KAF3809489.1 CHIG|XP\_018152676.1 CVIN|KAF4921297.1 CVYL|A10056

>Orthogroup9228: ANID|CBF82085.1 CFRU|XP\_031879921.1 CGLO|KAF3799018.1 CHIG|XP\_018152925.1 CVIN|KAF4923480.1 CVYL|A07934

>Orthogroup9229: ANID|CBF82167.1 CFRU|XP\_031889612.1 CGLO|KAF3810436.1 CVIN|KAF4924658.1 CVYL|A13800 MGRA|XP\_003854335.1

>Orthogroup9230: ANID|CBF82213.1 CFRU|XP\_031876857.1 CGLO|KAF3797957.1 CHIG|XP\_018158930.1 CVIN|KAF4914938.1 CVYL|A11241

>Orthogroup9231: ANID|CBF82376.1 MLAR|XP\_007405188.1 MLAR|XP\_007409364.1 MLAR|XP\_007415213.1 MLAR|XP\_007418650.1 MLAR|XP\_007418740.1

>Orthogroup9232: ANID|CBF82379.1 BCIN|XP\_001558086.1 CFRU|XP\_031884783.1 CGLO|KAF3812122.1 CVYL|A00276 SSCL|APA12942.1

>Orthogroup9233: ANID|CBF82387.1 CFRU|XP\_031888638.1 CGLO|KAF3804263.1 CHIG|XP\_018160053.1 CVIN|KAF4909070.1 CVYL|A03945

>Orthogroup9234: ANID|CBF82517.1 CFRU|XP\_031884642.1 CGLO|KAF3799783.1 CHIG|XP\_018158215.1 CVIN|KAF4918953.1 CVYL|A11311

>Orthogroup9235: ANID|CBF82688.1 BCIN|XP\_024553203.1 BGRA|VDB88861.1 MGRA|XP\_003848387.1 MLAR|XP\_007405983.1 SSCL|APA13463.1

>Orthogroup9236: ANID|CBF82881.1 ANID|CBF87402.1 CFRU|XP\_031881080.1 CGLO|KAF3800462.1 CVIN|KAF4917594.1 CVYL|A01845

>Orthogroup9237: ANID|CBF83040.1 CFRU|XP\_031879096.1 CGLO|KAF3798817.1 CHIG|XP\_018151212.1 CVIN|KAF4919571.1 CVYL|A09113

>Orthogroup9238: ANID|CBF83577.1 ANID|CBF86953.1 BCIN|XP\_024552070.1 SSCL|APA07722.1 SSCL|APA07795.1 SSCL|APA10278.1

>Orthogroup9239: ANID|CBF83685.1 BCIN|XP\_001561360.1 BGRA|VCU40193.1 FGRM|XP\_011320856.1 NCRA|XP\_956631.1 SSCL|APA06878.1

>Orthogroup9240: ANID|CBF83892.1 BCIN|XP\_001554186.1 BGRA|VCU40384.1 MORY|QBZ57956.1 MORY|QBZ57964.1 SSCL|APA10176.1

>Orthogroup9241: ANID|CBF84027.1 BCIN|XP\_001551123.2 CFRU|XP\_031884208.1 FGRM|XP\_011319364.1 MGRA|XP\_003851086.1 SSCL|APA15048.1

>Orthogroup9242: ANID|CBF84034.1 BCIN|XP\_024547777.1 CFRU|XP\_031892305.1 CHIG|XP\_018157091.1 CVIN|KAF4898621.1 CVYL|A10565

>Orthogroup9243: ANID|CBF84074.1 BCIN|XP\_024547166.1 BGRA|VDB92903.1 MGRA|XP\_003848642.1 MLAR|XP\_007410970.1 SSCL|APA14081.1

>Orthogroup9244: ANID|CBF84174.1 CFRU|XP\_031886878.1 CGLO|KAF3811243.1 CHIG|XP\_018160466.1 CVIN|KAF4931165.1 CVYL|A04422

>Orthogroup9245: ANID|CBF84176.1 ANID|CBF87190.1 CFRU|XP\_031886991.1 CHIG|XP\_018160467.1 CVIN|KAF4931166.1 CVYL|A04421

>Orthogroup9246: ANID|CBF84190.1 CFRU|XP\_031888739.1 CGLO|KAF3799254.1 CHIG|XP\_018159892.1 CVIN|KAF4908847.1 CVYL|A10146

>Orthogroup9247: ANID|CBF84251.1 CFRU|XP\_031891845.1 CGLO|KAF3801350.1 CHIG|XP\_018155193.1 CVIN|KAF4913323.1 CVYL|A07733

>Orthogroup9248: ANID|CBF84461.1 CFRU|XP\_031892340.1 CGLO|KAF3797123.1 CVIN|KAF4893357.1 CVYL|A10579 FGRM|XP\_011322544.1

>Orthogroup9249: ANID|CBF84924.1 BCIN|XP\_001556496.1 CFRU|XP\_031886562.1 CGLO|KAF3804071.1 CVIN|KAF4919545.1 CVYL|A07033

>Orthogroup9250: ANID|CBF85162.1 CFRU|XP\_031884265.1 CGLO|KAF3803798.1 CHIG|XP\_018156693.1 CVIN|KAF4917917.1 CVYL|A14169

>Orthogroup9251: ANID|CBF85653.1 CFRU|XP\_031891421.1 CGLO|KAF3804557.1 CHIG|XP\_018163073.1 CVIN|KAF4923103.1 CVYL|A05318

>Orthogroup9252: ANID|CBF85672.1 BCIN|XP\_024546286.1 BGRA|VDB90831.1 MGRA|XP\_003851071.1 MLAR|XP\_007410063.1 SSCL|APA06940.1

>Orthogroup9253: ANID|CBF85727.1 CFRU|XP\_031891250.1 CGLO|KAF3804654.1 CVIN|KAF4913902.1 CVYL|A05231 MORY|QBZ55323.1

>Orthogroup9254: ANID|CBF86218.1 CFRU|XP\_031890886.1 CGLO|KAF3801487.1 CHIG|XP\_018151917.1 CVIN|KAF4916392.1 CVYL|A12642

>Orthogroup9255: ANID|CBF86334.1 CGLO|KAF3797511.1 CHIG|XP\_018161270.1 CVYL|A01958 FGRM|XP\_011322938.1 NCRA|XP\_956640.1

>Orthogroup9256: ANID|CBF86604.1 BCIN|XP\_024553163.1 BGRA|VDB93627.1 CHIG|XP\_018156624.1 NCRA|XP\_955874.2 SSCL|APA13411.1

>Orthogroup9257: ANID|CBF86722.1 CFRU|XP\_031879700.1 CFRU|XP\_031892547.1 CGLO|KAF3809120.1 CVIN|KAF4922089.1 CVYL|A01304

>Orthogroup9258: ANID|CBF86727.1 CFRU|XP\_031876693.1 CGLO|KAF3801924.1 CVIN|KAF4918708.1 CVYL|A02361 SSCL|APA15375.1

>Orthogroup9259: ANID|CBF87065.1 CFRU|XP\_031881185.1 CGLO|KAF3802562.1 CHIG|XP\_018154853.1 CVIN|KAF4921848.1 CVYL|A02151

>Orthogroup9260: ANID|CBF87206.1 CFRU|XP\_031878955.1 CGLO|KAF3807892.1 CHIG|XP\_018163078.1 CVIN|KAF4922614.1 CVIN|KAF4922615.1

>Orthogroup9261: ANID|CBF87438.1 CGLO|KAF3800451.1 CHIG|XP\_018151558.1 CHIG|XP\_018154997.1 CHIG|XP\_018159430.1 CVYL|A01836

>Orthogroup9262: ANID|CBF88055.1 BCIN|XP\_024550641.1 BGRA|VDB89164.1 MGRA|XP\_003848917.1 MORY|QBZ56211.1 SSCL|APA11462.1

>Orthogroup9263: ANID|CBF88067.1 BCIN|XP\_024549101.1 CFRU|XP\_031876606.1 CGLO|KAF3800906.1 FGRM|XP\_011320762.1 MGRA|XP\_003855752.1

>Orthogroup9264: ANID|CBF88291.1 BCIN|XP\_024548516.1 CFRU|XP\_031879503.1 CGLO|KAF3802414.1 CHIG|XP\_018154709.1 NCRA|XP\_958716.1

>Orthogroup9265: ANID|CBF88321.1 CFRU|XP\_031883479.1 CGLO|KAF3810877.1 CHIG|XP\_018154904.1 CVYL|A02268 FGRM|XP\_011318002.1

>Orthogroup9266: ANID|CBF88489.1 CFRU|XP\_031878475.1 CGLO|KAF3799813.1 CHIG|XP\_018153867.1 CVIN|KAF4907987.1 CVYL|A09696

>Orthogroup9267: ANID|CBF88728.1 CFRU|XP\_031881567.1 CGLO|KAF3807458.1 CVIN|KAF4918505.1 CVYL|A10969 MORY|QBZ61665.1

>Orthogroup9268: ANID|CBF88830.1 CFRU|XP\_031881007.1 CGLO|KAF3800411.1 CHIG|XP\_018161395.1 CVIN|KAF4930629.1 CVYL|A01806

>Orthogroup9269: ANID|CBF89140.1 BCIN|XP\_001546022.2 BCIN|XP\_001550755.2 FGRM|XP\_011325337.1 MGRA|XP\_003853610.1 SSCL|APA09649.1

>Orthogroup9270: ANID|CBF89346.1 CGLO|KAF3799746.1 CHIG|XP\_018158249.1 CVYL|A11349 FGRM|XP\_011320943.1 MORY|QBZ59246.1

>Orthogroup9271: ANID|CBF89882.1 CFRU|XP\_031888484.1 CGLO|KAF3803516.1 CVIN|KAF4922223.1 CVYL|A14446 NCRA|XP\_965408.2

>Orthogroup9272: ANID|CBF90324.1 BCIN|XP\_024550261.1 FGRM|XP\_011326215.1 MORY|QBZ62202.1 NCRA|XP\_001728331.2 SSCL|APA10936.1

>Orthogroup9273: ANID|CBF90350.1 CFRU|XP\_031892211.1 FGRM|XP\_011323075.1 FGRM|XP\_011325730.1 FGRM|XP\_011326060.1 MORY|QBZ63342.1

>Orthogroup9274: BCIN|XP\_001555570.1 BGRA|VCU39842.1 FGRM|XP\_011317186.1 MORY|QBZ56382.1 NCRA|XP\_965343.2 SSCL|APA07434.1

>Orthogroup9275: BCIN|XP\_024545996.1 CFRU|XP\_031881170.1 CFRU|XP\_031883939.1 CGLO|KAF3802538.1 CVIN|KAF4921850.1 CVYL|A02132

>Orthogroup9276: BCIN|XP\_001555599.1 CFRU|XP\_031879775.1 CGLO|KAF3798566.1 CHIG|XP\_018153966.1 CVIN|KAF4930116.1 CVYL|A04875

>Orthogroup9277: BCIN|XP\_001548519.1 BGRA|VCU38959.1 FGRM|XP\_011320663.1 MGRA|XP\_003847621.1 MGRA|XP\_003852024.1 SSCL|APA07236.1

>Orthogroup9278: BCIN|XP\_024546140.1 CFRU|XP\_031877574.1 CFRU|XP\_031880586.1 CHIG|XP\_018154992.1 FGRM|XP\_011321059.1 FGRM|XP\_011322900.1

>Orthogroup9279: BCIN|XP\_001547283.2 CFRU|XP\_031892962.1 CGLO|KAF3808057.1 CHIG|XP\_018152768.1 CVYL|A08176 NCRA|XP\_965586.1

>Orthogroup9280: BCIN|XP\_024546418.1 CFRU|XP\_031889791.1 CGLO|KAF3805223.1 CHIG|XP\_018158845.1 CVIN|KAF4911354.1 CVYL|A13871

>Orthogroup9281: BCIN|XP\_024546759.1 CFRU|XP\_031877491.1 CGLO|KAF3798429.1 CVYL|A11208 FGRM|XP\_011319410.1 MORY|QBZ64032.1

>Orthogroup9282: BCIN|XP\_024546775.1 CFRU|XP\_031880921.1 CHIG|XP\_018159636.1 CVYL|A06247 FGRM|XP\_011320906.1 MORY|QBZ59807.1

>Orthogroup9283: BCIN|XP\_024546797.1 CFRU|XP\_031885682.1 CGLO|KAF3810253.1 CHIG|XP\_018157943.1 CVIN|KAF4910804.1 CVYL|A02855

>Orthogroup9284: BCIN|XP\_001548741.1 BCIN|XP\_001557610.2 BCIN|XP\_024546820.1 BCIN|XP\_024551714.1 SSCL|APA06063.1 SSCL|APA12309.1

>Orthogroup9285: BCIN|XP\_001546766.2 BCIN|XP\_024546842.1 BCIN|XP\_024548390.1 BCIN|XP\_024551390.1 BCIN|XP\_024551925.1 SSCL|APA10622.1

>Orthogroup9286: BCIN|XP\_024546845.1 FGRM|XP\_011324302.1 MGRA|XP\_003855406.1 MORY|QBZ63476.1 NCRA|XP\_956655.3 SSCL|APA06042.1

>Orthogroup9287: BCIN|XP\_001555933.1 BCIN|XP\_024552496.1 CFRU|XP\_031887710.1 CHIG|XP\_018157915.1 CHIG|XP\_018159054.1 FGRM|XP\_011315628.1

>Orthogroup9288: BCIN|XP\_001546721.1 CFRU|XP\_031891414.1 CGLO|KAF3804748.1 CHIG|XP\_018161823.1 CVIN|KAF4903557.1 CVYL|A11544

>Orthogroup9289: BCIN|XP\_001555159.1 BCIN|XP\_024547259.1 BCIN|XP\_024548398.1 BCIN|XP\_024549143.1 MORY|QBZ54130.1 SSCL|APA08809.1

>Orthogroup9290: BCIN|XP\_024547280.1 CFRU|XP\_031885090.1 CHIG|XP\_018153900.1 CHIG|XP\_018154886.1 FGRM|XP\_011318494.1 SSCL|APA14241.1

>Orthogroup9291: BCIN|XP\_001551033.1 BCIN|XP\_024547722.1 CFRU|XP\_031891697.1 CVIN|KAF4922369.1 CVYL|A07655 MORY|QBZ53479.1

>Orthogroup9292: BCIN|XP\_001554372.1 BCIN|XP\_024548231.1 CFRU|XP\_031877304.1 CGLO|KAF3799905.1 CHIG|XP\_018156514.1 CVYL|A09616

>Orthogroup9293: BCIN|XP\_024547421.1 CHIG|XP\_018153884.1 FGRM|XP\_011315604.1 FGRM|XP\_011317585.1 FGRM|XP\_011319570.1 FGRM|XP\_011320605.1

>Orthogroup9294: BCIN|XP\_024547464.1 CFRU|XP\_031889641.1 CGLO|KAF3810509.1 CVIN|KAF4891604.1 CVYL|A14114 SSCL|APA07642.1

>Orthogroup9295: BCIN|XP\_001551255.1 BCIN|XP\_001554391.1 BCIN|XP\_024547638.1 MGRA|XP\_003855251.1 SSCL|APA07764.1 SSCL|APA13249.1

>Orthogroup9296: BCIN|XP\_024547751.1 BGRA|VDB90388.1 FGRM|XP\_011325087.1 MORY|QBZ62682.1 NCRA|XP\_957664.1 SSCL|APA08008.1

>Orthogroup9297: BCIN|XP\_024547825.1 BGRA|VCU38818.1 MLAR|XP\_007406440.1 MORY|QBZ54254.1 NCRA|XP\_011394538.1 SSCL|APA08132.1

>Orthogroup9298: BCIN|XP\_024547847.1 BGRA|VDB90396.1 MLAR|XP\_007413582.1 MORY|QBZ62625.1 NCRA|XP\_958582.2 SSCL|APA08162.1

>Orthogroup9299: BCIN|XP\_001548162.1 BCIN|XP\_001560358.1 BCIN|XP\_024547989.1 BCIN|XP\_024549030.1 SSCL|APA08347.1 SSCL|APA08800.1

>Orthogroup9300: BCIN|XP\_001554849.1 CFRU|XP\_031888459.1 CGLO|KAF3797815.1 CHIG|XP\_018156500.1 CVIN|KAF4923178.1 FGRM|XP\_011325300.1

>Orthogroup9301: BCIN|XP\_024548128.1 CFRU|XP\_031875313.1 CHIG|XP\_018156868.1 CHIG|XP\_018163008.1 FGRM|XP\_011318328.1 FGRM|XP\_011319701.1

>Orthogroup9302: BCIN|XP\_001550913.2 MGRA|XP\_003847913.1 MGRA|XP\_003847914.1 MGRA|XP\_003847915.1 MORY|QBZ58946.1 SSCL|APA12384.1

>Orthogroup9303: BCIN|XP\_024548223.1 CFRU|XP\_031889815.1 CGLO|KAF3805865.1 CVIN|KAF4907186.1 CVYL|A13849 FGRM|XP\_011327624.1

>Orthogroup9304: BCIN|XP\_024548270.1 CFRU|XP\_031886131.1 CGLO|KAF3805503.1 CVIN|KAF4918320.1 CVYL|A05627 FGRM|XP\_011319575.1

>Orthogroup9305: BCIN|XP\_001549314.1 BCIN|XP\_024549193.1 SSCL|APA08408.1 SSCL|APA08410.1 SSCL|APA10313.1 SSCL|APA12128.1

>Orthogroup9306: BCIN|XP\_001546294.1 FGRM|XP\_011317087.1 FGRM|XP\_011319034.1 MGRA|XP\_003855710.1 MGRA|XP\_003856518.1 SSCL|APA09831.1

>Orthogroup9307: BCIN|XP\_001548647.1 CFRU|XP\_031890314.1 CGLO|KAF3808338.1 CVIN|KAF4904104.1 CVYL|A09219 SSCL|APA09631.1

>Orthogroup9308: BCIN|XP\_024548832.1 BCIN|XP\_024549605.1 BCIN|XP\_024552198.1 BCIN|XP\_024554068.1 SSCL|APA05321.1 SSCL|APA05322.1

>Orthogroup9309: BCIN|XP\_024549038.1 CFRU|XP\_031889813.1 CHIG|XP\_018158865.1 CVIN|KAF4907194.1 CVYL|A13853 NCRA|XP\_963381.3

>Orthogroup9310: BCIN|XP\_024549084.1 CFRU|XP\_031885957.1 CGLO|KAF3801174.1 CHIG|XP\_018155200.1 CVIN|KAF4911046.1 CVYL|A06218

>Orthogroup9311: BCIN|XP\_001560199.1 CFRU|XP\_031881633.1 CGLO|KAF3805373.1 CHIG|XP\_018164937.1 CVYL|A11022 SSCL|APA15897.1

>Orthogroup9312: BCIN|XP\_001560315.1 MGRA|XP\_003850693.1 MGRA|XP\_003854942.1 MGRA|XP\_003855487.1 MLAR|XP\_007405048.1 MLAR|XP\_007407485.1

>Orthogroup9313: BCIN|XP\_001556109.1 CHIG|XP\_018155420.1 FGRM|XP\_011327756.1 MGRA|XP\_003849215.1 MLAR|XP\_007410879.1 SSCL|APA08893.1

>Orthogroup9314: BCIN|XP\_001555674.1 BCIN|XP\_001555709.1 BCIN|XP\_001559094.1 BCIN|XP\_024549507.1 BCIN|XP\_024551253.1 SSCL|APA09061.1

>Orthogroup9315: BCIN|XP\_001547348.1 CFRU|XP\_031878153.1 CGLO|KAF3801854.1 CVIN|KAF4901933.1 CVYL|A12853 SSCL|APA09109.1

>Orthogroup9316: BCIN|XP\_024549564.1 CFRU|XP\_031884944.1 CGLO|KAF3812167.1 CHIG|XP\_018153392.1 CVIN|KAF4918737.1 FGRM|XP\_011315682.1

>Orthogroup9317: BCIN|XP\_024549577.1 CFRU|XP\_031892004.1 CVIN|KAF4903407.1 CVYL|A07588 MORY|QBZ62919.1 SSCL|APA13967.1

>Orthogroup9318: BCIN|XP\_001558656.1 CFRU|XP\_031882228.1 CGLO|KAF3804475.1 CVIN|KAF4930989.1 CVYL|A04190 FGRM|XP\_011324715.1

>Orthogroup9319: BCIN|XP\_001549805.1 BCIN|XP\_001549806.1 BCIN|XP\_001549816.1 BCIN|XP\_024550053.1 BCIN|XP\_024550055.1 BCIN|XP\_024550056.1

>Orthogroup9320: BCIN|XP\_024550524.1 BCIN|XP\_024551700.1 CFRU|XP\_031891944.1 CVIN|KAF4921941.1 CVIN|KAF4921952.1 CVYL|A06608

>Orthogroup9321: BCIN|XP\_024550691.1 CFRU|XP\_031881003.1 CGLO|KAF3800413.1 CVIN|KAF4930680.1 FGRM|XP\_011315870.1 SSCL|APA11518.1

>Orthogroup9322: BCIN|XP\_024550881.1 CFRU|XP\_031881711.1 CGLO|KAF3805365.1 CHIG|XP\_018156744.1 CVIN|KAF4907235.1 CVYL|A11014

>Orthogroup9323: BCIN|XP\_024550973.1 CFRU|XP\_031889377.1 CGLO|KAF3803148.1 CVIN|KAF4928334.1 CVYL|A01034 FGRM|XP\_011315746.1

>Orthogroup9324: BCIN|XP\_024551023.1 BGRA|VDB84093.1 MGRA|XP\_003854735.1 MLAR|XP\_007404212.1 MORY|QBZ65106.1 SSCL|APA11938.1

>Orthogroup9325: BCIN|XP\_024551147.1 CFRU|XP\_031884964.1 CGLO|KAF3812146.1 CVIN|KAF4918727.1 CVYL|A00250 MORY|QBZ59228.1

>Orthogroup9326: BCIN|XP\_001556964.2 BCIN|XP\_001556965.1 CHIG|XP\_018153853.1 SSCL|APA10568.1 SSCL|APA10569.1 SSCL|APA10570.1

>Orthogroup9327: BCIN|XP\_024551429.1 CFRU|XP\_031877171.1 CHIG|XP\_018162297.1 CVIN|KAF4918064.1 CVYL|A12007 SSCL|APA10670.1

>Orthogroup9328: BCIN|XP\_024551456.1 CFRU|XP\_031885684.1 CGLO|KAF3810251.1 CHIG|XP\_018157941.1 CVIN|KAF4910788.1 CVYL|A02853

>Orthogroup9329: BCIN|XP\_001552415.2 CHIG|XP\_018151940.1 FGRM|XP\_011328487.1 MGRA|XP\_003854259.1 SSCL|APA07729.1 SSCL|APA14885.1

>Orthogroup9330: BCIN|XP\_001550419.1 CFRU|XP\_031891789.1 CGLO|KAF3801338.1 CVIN|KAF4910743.1 CVYL|A07746 FGRM|XP\_011322322.1

>Orthogroup9331: BCIN|XP\_001558417.1 CFRU|XP\_031890513.1 CFRU|XP\_031891766.1 CGLO|KAF3806758.1 CGLO|KAF3809742.1 CVIN|KAF4919517.1

>Orthogroup9332: BCIN|XP\_024551948.1 MGRA|XP\_003856223.1 MLAR|XP\_007412643.1 MORY|QBZ57799.1 NCRA|XP\_959262.1 SSCL|APA06390.1

>Orthogroup9333: BCIN|XP\_024552017.1 BCIN|XP\_024552019.1 CHIG|XP\_018151925.1 SSCL|APA12781.1 SSCL|APA12782.1 SSCL|APA12783.1

>Orthogroup9334: BCIN|XP\_024552188.1 CGLO|KAF3802041.1 CHIG|XP\_018154173.1 CVIN|KAF4910492.1 CVYL|A03347 SSCL|APA13279.1

>Orthogroup9335: BCIN|XP\_001545909.1 CFRU|XP\_031891545.1 CGLO|KAF3797440.1 CHIG|XP\_018157403.1 CVIN|KAF4929360.1 CVYL|A10236

>Orthogroup9336: BCIN|XP\_024552494.1 CFRU|XP\_031876069.1 CGLO|KAF3798078.1 CGLO|KAF3801979.1 MLAR|XP\_007409344.1 NCRA|XP\_963377.1

>Orthogroup9337: BCIN|XP\_001555360.1 CHIG|XP\_018155391.1 CHIG|XP\_018162037.1 FGRM|XP\_011319894.1 FGRM|XP\_011320977.1 SSCL|APA08479.1

>Orthogroup9338: BCIN|XP\_024552600.1 CFRU|XP\_031889083.1 CGLO|KAF3797668.1 CVYL|A01102 FGRM|XP\_011323886.1 MORY|QBZ57709.1

>Orthogroup9339: BCIN|XP\_024552678.1 CFRU|XP\_031887291.1 CHIG|XP\_018164675.1 CVYL|A01531 SSCL|APA15533.1 SSCL|APA15534.1

>Orthogroup9340: BCIN|XP\_024552972.1 FGRM|XP\_011319547.1 FGRM|XP\_011322451.1 FGRM|XP\_011322478.1 SSCL|APA16250.1 SSCL|APA16251.1

>Orthogroup9341: BCIN|XP\_024553040.1 CFRU|XP\_031876050.1 CGLO|KAF3805251.1 CHIG|XP\_018155147.1 CVIN|KAF4918648.1 CVYL|A13898

>Orthogroup9342: BCIN|XP\_024553072.1 CFRU|XP\_031883909.1 CGLO|KAF3805055.1 CVIN|KAF4902231.1 CVYL|A06504 SSCL|APA16274.1

>Orthogroup9343: BCIN|XP\_024553266.1 CGLO|KAF3797992.1 CGLO|KAF3805620.1 MORY|QBZ53326.1 MORY|QBZ56792.1 MORY|QBZ65462.1

>Orthogroup9344: BCIN|XP\_024553295.1 CFRU|XP\_031893308.1 CGLO|KAF3800795.1 CHIG|XP\_018150902.1 CVIN|KAF4922466.1 CVYL|A08756

>Orthogroup9345: BCIN|XP\_024553323.1 CFRU|XP\_031890953.1 CGLO|KAF3801549.1 CHIG|XP\_018151969.1 CVYL|A12586 FGRM|XP\_011322297.1

>Orthogroup9346: BCIN|XP\_024553545.1 CFRU|XP\_031885746.1 CGLO|KAF3810020.1 CHIG|XP\_018157755.1 CVIN|KAF4917934.1 CVYL|A02633

>Orthogroup9347: BCIN|XP\_001545336.1 CFRU|XP\_031875827.1 CGLO|KAF3805561.1 CHIG|XP\_018150707.1 CHIG|XP\_018151637.1 MGRA|XP\_003852022.1

>Orthogroup9348: BCIN|XP\_024553617.1 CFRU|XP\_031890644.1 CGLO|KAF3804853.1 CHIG|XP\_018150995.1 CVIN|KAF4900683.1 CVYL|A12224

>Orthogroup9349: BCIN|XP\_024553762.1 CFRU|XP\_031879384.1 CGLO|KAF3808562.1 CVIN|KAF4906494.1 CVYL|A11583 FGRM|XP\_011323753.1

>Orthogroup9350: BGRA|VCU38758.1 BGRA|VCU38759.1 BGRA|VCU38769.1 BGRA|VCU38772.1 BGRA|VCU39011.1 BGRA|VDB93057.1

>Orthogroup9351: BGRA|VCU38963.1 BGRA|VCU41328.1 BGRA|VDB83475.1 BGRA|VDB83477.1 BGRA|VDB88029.1 BGRA|VDB88857.1

>Orthogroup9352: BGRA|VCU38987.1 BGRA|VCU41405.1 BGRA|VDB88090.1 BGRA|VDB89936.1 BGRA|VDB90545.1 BGRA|VDB92970.1

>Orthogroup9353: BGRA|VCU39039.1 BGRA|VCU40585.1 BGRA|VCU40723.1 BGRA|VDB83664.1 BGRA|VDB91105.1 BGRA|VDB91283.1

>Orthogroup9354: BGRA|VCU39052.1 BGRA|VCU39239.1 BGRA|VDB84062.1 BGRA|VDB87667.1 BGRA|VDB89938.1 BGRA|VDB93637.1

>Orthogroup9355: BGRA|VCU39086.1 BGRA|VCU40617.1 BGRA|VCU40741.1 BGRA|VCU41388.1 BGRA|VDB86185.1 BGRA|VDB95259.1

>Orthogroup9356: BGRA|VCU39132.1 BGRA|VCU39133.1 BGRA|VCU39134.1 BGRA|VCU41311.1 BGRA|VCU41312.1 BGRA|VDB88247.1

>Orthogroup9357: BGRA|VCU39231.1 BGRA|VDB84229.1 BGRA|VDB88392.1 BGRA|VDB91071.1 BGRA|VDB94451.1 BGRA|VDB96363.1

>Orthogroup9358: BGRA|VCU39404.1 BGRA|VCU39414.1 BGRA|VCU39418.1 BGRA|VCU39419.1 BGRA|VCU39425.1 BGRA|VCU39533.1

>Orthogroup9359: BGRA|VCU39530.1 BGRA|VCU39535.1 BGRA|VDB87798.1 BGRA|VDB90382.1 BGRA|VDB90385.1 BGRA|VDB90392.1

>Orthogroup9360: BGRA|VCU39873.1 BGRA|VCU41053.1 BGRA|VDB83599.1 BGRA|VDB89862.1 BGRA|VDB89947.1 BGRA|VDB94712.1

>Orthogroup9361: BGRA|VCU40854.1 CFRU|XP\_031882355.1 CGLO|KAF3809412.1 CHIG|XP\_018156254.1 CVIN|KAF4916323.1 CVYL|A03078

>Orthogroup9362: BGRA|VDB83541.1 BGRA|VDB83545.1 BGRA|VDB83548.1 BGRA|VDB83551.1 BGRA|VDB83552.1 BGRA|VDB83557.1

>Orthogroup9363: BGRA|VDB83837.1 BGRA|VDB83851.1 BGRA|VDB89583.1 BGRA|VDB89585.1 BGRA|VDB89586.1 BGRA|VDB89785.1

>Orthogroup9364: CFRU|XP\_031893616.1 CGLO|KAF3800820.1 CHIG|XP\_018156501.1 CVIN|KAF4922492.1 CVYL|A08729 FGRM|XP\_011319643.1

>Orthogroup9365: CFRU|XP\_031893610.1 CGLO|KAF3800822.1 CHIG|XP\_018150887.1 CVIN|KAF4922500.1 CVYL|A08727 MORY|QBZ64266.1

>Orthogroup9366: CFRU|XP\_031892906.1 CGLO|KAF3808130.1 CHIG|XP\_018155620.1 CVIN|KAF4909736.1 CVYL|A08106 MORY|QBZ58249.1

>Orthogroup9367: CFRU|XP\_031893489.1 CGLO|KAF3808047.1 CHIG|XP\_018152748.1 CVIN|KAF4922825.1 CVYL|A08185 FGRM|XP\_011321901.1

>Orthogroup9368: CFRU|XP\_031893189.1 CGLO|KAF3802854.1 CGLO|KAF3808038.1 CVIN|KAF4910472.1 CVIN|KAF4922842.1 CVYL|A08194

>Orthogroup9369: CFRU|XP\_031893062.1 CGLO|KAF3809458.1 CHIG|XP\_018152712.1 CVIN|KAF4921261.1 CVYL|A10025 MORY|QBZ55811.1

>Orthogroup9370: CFRU|XP\_031893153.1 CGLO|KAF3809461.1 CHIG|XP\_018152711.1 CVIN|KAF4921263.1 CVYL|A10028 FGRM|XP\_011318220.1

>Orthogroup9371: CFRU|XP\_031893129.1 CGLO|KAF3809481.1 CHIG|XP\_018152687.1 CHIG|XP\_018152688.1 CVYL|A10048 CVYL|A10051

>Orthogroup9372: CFRU|XP\_031893005.1 CGLO|KAF3809490.1 CHIG|XP\_018152677.1 CVIN|KAF4921296.1 CVYL|A10057 FGRM|XP\_011317890.1

>Orthogroup9373: CFRU|XP\_031893270.1 CGLO|KAF3809545.1 CHIG|XP\_018155116.1 CVIN|KAF4918569.1 CVYL|A08477 CVYL|A13713

>Orthogroup9374: CFRU|XP\_031893049.1 CGLO|KAF3809549.1 CHIG|XP\_018152629.1 CVIN|KAF4918561.1 CVYL|A08473 MORY|QBZ56708.1

>Orthogroup9375: CFRU|XP\_031875504.1 CFRU|XP\_031893519.1 CGLO|KAF3809594.1 CHIG|XP\_018152594.1 CVIN|KAF4919214.1 MORY|QBZ56968.1

>Orthogroup9376: CFRU|XP\_031886712.1 CFRU|XP\_031893548.1 CFRU|XP\_031893551.1 CGLO|KAF3809625.1 CVIN|KAF4927604.1 CVYL|A07010

>Orthogroup9377: CFRU|XP\_031893179.1 CGLO|KAF3809641.1 CHIG|XP\_018152570.1 CVIN|KAF4896988.1 CVYL|A08414 FGRM|XP\_011323145.1

>Orthogroup9378: CFRU|XP\_031893344.1 CGLO|KAF3809662.1 CHIG|XP\_018152527.1 CVIN|KAF4925050.1 CVYL|A08388 MORY|QBZ60248.1

>Orthogroup9379: CFRU|XP\_031883783.1 CFRU|XP\_031893393.1 CGLO|KAF3808413.1 CHIG|XP\_018153975.1 CVIN|KAF4925011.1 CVYL|A09572

>Orthogroup9380: CFRU|XP\_031893042.1 CGLO|KAF3808402.1 CHIG|XP\_018152472.1 CVIN|KAF4909951.1 CVYL|A09562 SSCL|APA16226.1

>Orthogroup9381: CFRU|XP\_031893041.1 CGLO|KAF3808401.1 CHIG|XP\_018152468.1 CVIN|KAF4909952.1 CVYL|A09561 FGRM|XP\_011317684.1

>Orthogroup9382: CFRU|XP\_031893052.1 CGLO|KAF3808384.1 CHIG|XP\_018152460.1 CVIN|KAF4916844.1 CVYL|A09544 FGRM|XP\_011321816.1

>Orthogroup9383: CFRU|XP\_031888922.1 CGLO|KAF3799205.1 CHIG|XP\_018159819.1 CVIN|KAF4894525.1 CVYL|A10100 MORY|QBZ59127.1

>Orthogroup9384: CFRU|XP\_031889059.1 CGLO|KAF3799265.1 CHIG|XP\_018158454.1 CVIN|KAF4908852.1 CVYL|A10156 FGRM|XP\_011323052.1

>Orthogroup9385: CFRU|XP\_031888689.1 CGLO|KAF3799292.1 CVIN|KAF4924791.1 CVYL|A03842 MORY|QBZ63507.1 MORY|QBZ63509.1

>Orthogroup9386: CFRU|XP\_031888990.1 CGLO|KAF3799293.1 CVYL|A03853 NCRA|XP\_963383.2 NCRA|XP\_963384.2 NCRA|XP\_963476.3

>Orthogroup9387: CFRU|XP\_031888678.1 CFRU|XP\_031889600.1 CGLO|KAF3810568.1 CVIN|KAF4914215.1 CVYL|A13647 MORY|QBZ63777.1

>Orthogroup9388: CFRU|XP\_031888880.1 CGLO|KAF3799299.1 CHIG|XP\_018159901.1 CVIN|KAF4924757.1 CVYL|A03942 NCRA|XP\_958977.2

>Orthogroup9389: CFRU|XP\_031888850.1 CGLO|KAF3799338.1 CHIG|XP\_018161113.1 CVIN|KAF4924775.1 CVYL|A04364 MORY|QBZ63226.1

>Orthogroup9390: CFRU|XP\_031886043.1 CFRU|XP\_031888626.1 CGLO|KAF3799346.1 CVIN|KAF4904485.1 CVYL|A04441 CVYL|A05696

>Orthogroup9391: CFRU|XP\_031889051.1 CGLO|KAF3799371.1 CVIN|KAF4910718.1 CVYL|A04697 FGRM|XP\_011322353.1 NCRA|XP\_011393089.1

>Orthogroup9392: CFRU|XP\_031888731.1 CGLO|KAF3804133.1 CHIG|XP\_018159974.1 CVIN|KAF4910276.1 CVYL|A03596 FGRM|XP\_011328374.1

>Orthogroup9393: CFRU|XP\_031889003.1 CGLO|KAF3804143.1 CHIG|XP\_018159984.1 CVIN|KAF4910287.1 CVYL|A03696 MORY|QBZ58619.1

>Orthogroup9394: CFRU|XP\_031889002.1 CGLO|KAF3804144.1 CHIG|XP\_018151524.1 CVIN|KAF4910286.1 CVYL|A03707 MORY|QBZ63362.1

>Orthogroup9395: CFRU|XP\_031888750.1 CGLO|KAF3804157.1 CHIG|XP\_018160004.1 CVIN|KAF4918401.1 CVYL|A03828 MORY|QBZ60794.1

>Orthogroup9396: CFRU|XP\_031888763.1 CGLO|KAF3804186.1 CVIN|KAF4918389.1 CVIN|KAF4918405.1 CVYL|A03862 MORY|QBZ59935.1

>Orthogroup9397: CFRU|XP\_031888861.1 CGLO|KAF3804257.1 CHIG|XP\_018160051.1 CVIN|KAF4909077.1 CVYL|A03936 MORY|QBZ64947.1

>Orthogroup9398: CFRU|XP\_031888770.1 CGLO|KAF3804287.1 CHIG|XP\_018159372.1 CVYL|A03970 FGRM|XP\_011328685.1 NCRA|XP\_960111.2

>Orthogroup9399: CFRU|XP\_031888705.1 CHIG|XP\_018163574.1 CVIN|KAF4920140.1 CVIN|KAF4922402.1 CVYL|A03971 FGRM|XP\_011326084.1

>Orthogroup9400: CFRU|XP\_031888746.1 CGLO|KAF3804298.1 CHIG|XP\_018160093.1 CVIN|KAF4920119.1 CVYL|A03980 FGRM|XP\_011324583.1

>Orthogroup9401: CFRU|XP\_031888654.1 CGLO|KAF3804307.1 CVIN|KAF4920095.1 CVYL|A03992 FGRM|XP\_011327430.1 NCRA|XP\_011393046.1

>Orthogroup9402: CFRU|XP\_031876082.1 CGLO|KAF3801983.1 CHIG|XP\_018159397.1 CVIN|KAF4919768.1 CVYL|A02414 FGRM|XP\_011320388.1

>Orthogroup9403: CFRU|XP\_031875846.1 MORY|QBZ66660.1 SSCL|APA08599.1 SSCL|APA08600.1 SSCL|APA11289.1 SSCL|APA13349.1

>Orthogroup9404: CFRU|XP\_031888263.1 CGLO|KAF3797808.1 CHIG|XP\_018157375.1 CVIN|KAF4923181.1 CVYL|A03037 MORY|QBZ61861.1

>Orthogroup9405: CFRU|XP\_031888417.1 CGLO|KAF3803668.1 CHIG|XP\_018163789.1 CVIN|KAF4928559.1 FGRM|XP\_011317040.1 NCRA|XP\_011393329.1

>Orthogroup9406: CFRU|XP\_031875815.1 CFRU|XP\_031875816.1 CGLO|KAF3801784.1 CHIG|XP\_018151312.1 CVIN|KAF4916994.1 CVYL|A12924

>Orthogroup9407: CFRU|XP\_031875723.1 CGLO|KAF3798154.1 CHIG|XP\_018154048.1 CVIN|KAF4919119.1 CVYL|A04959 FGRM|XP\_011319480.1

>Orthogroup9408: CFRU|XP\_031875707.1 CGLO|KAF3798145.1 CHIG|XP\_018154038.1 CVIN|KAF4919108.1 CVYL|A04969 MORY|QBZ65060.1

>Orthogroup9409: CFRU|XP\_031888157.1 CGLO|KAF3802016.1 CHIG|XP\_018154169.1 CVIN|KAF4914265.1 CVYL|A03372 FGRM|XP\_011318028.1

>Orthogroup9410: CFRU|XP\_031888034.1 CGLO|KAF3802038.1 CHIG|XP\_018158028.1 CVIN|KAF4910501.1 CVYL|A03350 MORY|QBZ60535.1

>Orthogroup9411: CFRU|XP\_031888050.1 CGLO|KAF3802055.1 CHIG|XP\_018156555.1 CVIN|KAF4901920.1 CVYL|A03333 SSCL|APA11304.1

>Orthogroup9412: CFRU|XP\_031887832.1 CGLO|KAF3802067.1 CVIN|KAF4917977.1 CVYL|A03319 FGRM|XP\_011327497.1 NCRA|XP\_960133.1

>Orthogroup9413: CFRU|XP\_031888136.1 CFRU|XP\_031888145.1 CGLO|KAF3802133.1 CVIN|KAF4912422.1 CVYL|A03260 CVYL|A03261

>Orthogroup9414: CFRU|XP\_031885814.1 CFRU|XP\_031887910.1 CGLO|KAF3802147.1 CGLO|KAF3810241.1 CVIN|KAF4910800.1 CVYL|A02842

>Orthogroup9415: CFRU|XP\_031887988.1 CGLO|KAF3802204.1 CHIG|XP\_018154319.1 CVYL|A03195 FGRM|XP\_011322129.1 FGRM|XP\_011325985.1

>Orthogroup9416: CFRU|XP\_031888185.1 CGLO|KAF3802214.1 CGLO|KAF3802215.1 CGLO|KAF3802216.1 CVIN|KAF4922762.1 CVYL|A03185

>Orthogroup9417: CFRU|XP\_031887966.1 CGLO|KAF3802227.1 CHIG|XP\_018154330.1 CVIN|KAF4914838.1 CVYL|A03174 FGRM|XP\_011318112.1

>Orthogroup9418: CFRU|XP\_031888204.1 CGLO|KAF3802258.1 CVYL|A10673 FGRM|XP\_011318322.1 MGRA|XP\_003857116.1 MORY|QBZ57978.1

>Orthogroup9419: CFRU|XP\_031887937.1 CGLO|KAF3802327.1 CHIG|XP\_018154429.1 CVYL|A10962 MORY|QBZ64539.1 NCRA|XP\_001728323.1

>Orthogroup9420: CFRU|XP\_031875620.1 CFRU|XP\_031875621.1 CFRU|XP\_031878579.1 CGLO|KAF3798538.1 CVIN|KAF4919269.1 CVYL|A03784

>Orthogroup9421: CFRU|XP\_031887455.1 CGLO|KAF3803300.1 CHIG|XP\_018161147.1 CVIN|KAF4928635.1 CVYL|A03734 FGRM|XP\_011325720.1

>Orthogroup9422: CFRU|XP\_031887522.1 CGLO|KAF3803208.1 CHIG|XP\_018161056.1 CVIN|KAF4928659.1 CVYL|A03637 FGRM|XP\_011322988.1

>Orthogroup9423: CFRU|XP\_031887527.1 CGLO|KAF3803205.1 CVIN|KAF4920218.1 FGRM|XP\_011323569.1 MGRA|XP\_003848940.1 NCRA|XP\_961730.2

>Orthogroup9424: CFRU|XP\_031887485.1 CGLO|KAF3803196.1 CHIG|XP\_018161034.1 CVIN|KAF4920196.1 CVYL|A03626 MORY|QBZ58886.1

>Orthogroup9425: CFRU|XP\_031880797.1 CFRU|XP\_031887504.1 CGLO|KAF3807188.1 CHIG|XP\_018152568.1 CVIN|KAF4920214.1 CVYL|A03593

>Orthogroup9426: CFRU|XP\_031887507.1 CGLO|KAF3807185.1 CHIG|XP\_018157141.1 CHIG|XP\_018158959.1 CVIN|KAF4920232.1 CVYL|A03591

>Orthogroup9427: CFRU|XP\_031887515.1 CGLO|KAF3811606.1 CVIN|KAF4921443.1 CVYL|A03464 FGRM|XP\_011322314.1 MORY|QBZ64314.1

>Orthogroup9428: CFRU|XP\_031875528.1 CGLO|KAF3807350.1 CHIG|XP\_018152984.1 CVIN|KAF4920087.1 CVYL|A10843 MORY|QBZ54706.1

>Orthogroup9429: CFRU|XP\_031875531.1 CGLO|KAF3807351.1 CHIG|XP\_018152985.1 CVIN|KAF4920090.1 CVYL|A10844 MORY|QBZ54707.1

>Orthogroup9430: CFRU|XP\_031875526.1 CGLO|KAF3805850.1 CVIN|KAF4929029.1 CVYL|A08567 CVYL|A08605 CVYL|A11164

>Orthogroup9431: CFRU|XP\_031887369.1 CGLO|KAF3809341.1 CHIG|XP\_018156181.1 CVYL|A01544 CVYL|A01545 FGRM|XP\_011322499.1

>Orthogroup9432: CFRU|XP\_031887276.1 CGLO|KAF3809198.1 CHIG|XP\_018156042.1 CVIN|KAF4925309.1 CVYL|A01387 FGRM|XP\_011323178.1

>Orthogroup9433: CFRU|XP\_031887422.1 CGLO|KAF3809175.1 CHIG|XP\_018153384.1 MGRA|XP\_003847050.1 MORY|QBZ57439.1 NCRA|XP\_961174.3

>Orthogroup9434: CFRU|XP\_031875242.1 CFRU|XP\_031875289.1 CFRU|XP\_031875371.1 CFRU|XP\_031875448.1 CFRU|XP\_031881056.1 CHIG|XP\_018150602.1

>Orthogroup9435: CFRU|XP\_031886897.1 CGLO|KAF3811295.1 CGLO|KAF3811297.1 CVIN|KAF4927234.1 CVIN|KAF4931187.1 CVYL|A04435

>Orthogroup9436: CFRU|XP\_031886781.1 CGLO|KAF3798896.1 CGLO|KAF3810972.1 CVIN|KAF4921834.1 CVIN|KAF4925544.1 CVYL|A02177

>Orthogroup9437: CFRU|XP\_031886623.1 CGLO|KAF3807511.1 CHIG|XP\_018158792.1 CVIN|KAF4917518.1 CVYL|A05033 NCRA|XP\_964968.1

>Orthogroup9438: CFRU|XP\_031886822.1 CGLO|KAF3807502.1 CHIG|XP\_018158729.1 CVIN|KAF4917503.1 CVYL|A05024 FGRM|XP\_011323539.1

>Orthogroup9439: CFRU|XP\_031886741.1 CGLO|KAF3806767.1 CHIG|XP\_018151166.1 CVIN|KAF4905660.1 CVYL|A04980 FGRM|XP\_011322299.1

>Orthogroup9440: CFRU|XP\_031886537.1 CGLO|KAF3800281.1 CHIG|XP\_018162769.1 CVIN|KAF4927553.1 CVYL|A06955 MORY|QBZ64433.1

>Orthogroup9441: CFRU|XP\_031886688.1 CHIG|XP\_018162757.1 CVIN|KAF4927609.1 FGRM|XP\_011327024.1 MORY|QBZ61332.1 NCRA|XP\_957334.3

>Orthogroup9442: CFRU|XP\_031886667.1 CGLO|KAF3804034.1 CHIG|XP\_018162734.1 CVIN|KAF4927591.1 CVYL|A06988 FGRM|XP\_011326384.1

>Orthogroup9443: CFRU|XP\_031886547.1 MGRA|XP\_003850554.1 MLAR|XP\_007403678.1 MLAR|XP\_007411589.1 MLAR|XP\_007411590.1 MLAR|XP\_007411591.1

>Orthogroup9444: CFRU|XP\_031886722.1 CGLO|KAF3804075.1 CHIG|XP\_018162694.1 CVIN|KAF4919536.1 FGRM|XP\_011326938.1 NCRA|XP\_011394039.1

>Orthogroup9445: CFRU|XP\_031886718.1 CGLO|KAF3804084.1 CHIG|XP\_018162684.1 CVIN|KAF4919546.1 CVYL|A07044 NCRA|XP\_956384.1

>Orthogroup9446: CFRU|XP\_031886602.1 CGLO|KAF3804113.1 CHIG|XP\_018151932.1 CHIG|XP\_018157589.1 CVIN|KAF4932051.1 CVYL|A07079

>Orthogroup9447: CFRU|XP\_031886611.1 CFRU|XP\_031886612.1 CGLO|KAF3801227.1 CHIG|XP\_018162609.1 CVIN|KAF4932137.1 CVYL|A07103

>Orthogroup9448: CFRU|XP\_031875378.1 CFRU|XP\_031877604.1 CFRU|XP\_031879593.1 CGLO|KAF3802782.1 CVIN|KAF4912215.1 CVYL|A07995

>Orthogroup9449: CFRU|XP\_031875376.1 CFRU|XP\_031884860.1 CHIG|XP\_018153298.1 CVIN|KAF4908688.1 CVYL|A00350 FGRM|XP\_011321556.1

>Orthogroup9450: CFRU|XP\_031875374.1 CGLO|KAF3797714.1 CHIG|XP\_018154030.1 CVYL|A11439 MORY|QBZ57927.1 MORY|QBZ60213.1

>Orthogroup9451: CFRU|XP\_031886044.1 CFRU|XP\_031886230.1 CGLO|KAF3801149.1 CGLO|KAF3806386.1 CVIN|KAF4923229.1 CVYL|A11974

>Orthogroup9452: CFRU|XP\_031886455.1 CGLO|KAF3806322.1 CHIG|XP\_018160076.1 CVIN|KAF4923970.1 CVYL|A11913 FGRM|XP\_011326583.1

>Orthogroup9453: CFRU|XP\_031884279.1 CFRU|XP\_031886456.1 CGLO|KAF3799987.1 CGLO|KAF3804970.1 CGLO|KAF3806321.1 CVIN|KAF4923967.1

>Orthogroup9454: CFRU|XP\_031886062.1 CGLO|KAF3801166.1 CHIG|XP\_018155208.1 CVIN|KAF4911065.1 CVYL|A06223 FGRM|XP\_011320851.1

>Orthogroup9455: CFRU|XP\_031886212.1 CGLO|KAF3801147.1 CHIG|XP\_018155217.1 CVIN|KAF4904489.1 CVYL|A05701 FGRM|XP\_011317460.1

>Orthogroup9456: CFRU|XP\_031886187.1 CGLO|KAF3801125.1 CHIG|XP\_018155237.1 CVYL|A05719 MGRA|XP\_003855085.1 MORY|QBZ65897.1

>Orthogroup9457: CFRU|XP\_031886024.1 CGLO|KAF3812000.1 CHIG|XP\_018155248.1 CVIN|KAF4930355.1 CVYL|A05509 MGRA|XP\_003856529.1

>Orthogroup9458: CFRU|XP\_031886105.1 CGLO|KAF3811998.1 CHIG|XP\_018151038.1 CHIG|XP\_018155249.1 CVIN|KAF4930353.1 CVYL|A05510

>Orthogroup9459: CFRU|XP\_031885963.1 CGLO|KAF3805422.1 CVIN|KAF4930338.1 CVYL|A05552 FGRM|XP\_011318176.1 FGRM|XP\_011322472.1

>Orthogroup9460: CFRU|XP\_031886066.1 CGLO|KAF3805459.1 CHIG|XP\_018155321.1 CVIN|KAF4930447.1 CVYL|A05589 MORY|QBZ53376.1

>Orthogroup9461: CFRU|XP\_031886068.1 CGLO|KAF3805472.1 CHIG|XP\_018155343.1 CVIN|KAF4897797.1 CVYL|A05602 FGRM|XP\_011324781.1

>Orthogroup9462: CFRU|XP\_031886091.1 CGLO|KAF3805501.1 CHIG|XP\_018155357.1 CVIN|KAF4918303.1 CVYL|A05625 FGRM|XP\_011317401.1

>Orthogroup9463: CFRU|XP\_031886018.1 CGLO|KAF3806575.1 CHIG|XP\_018157613.1 CVIN|KAF4920470.1 CVYL|A09293 NCRA|XP\_957461.1

>Orthogroup9464: CFRU|XP\_031877131.1 CFRU|XP\_031886034.1 CVIN|KAF4920460.1 CVIN|KAF4925181.1 CVYL|A08816 CVYL|A09275

>Orthogroup9465: CFRU|XP\_031877466.1 CFRU|XP\_031885638.1 CHIG|XP\_018157774.1 CHIG|XP\_018157775.1 CVIN|KAF4912759.1 CVYL|A02664

>Orthogroup9466: CFRU|XP\_031885711.1 CGLO|KAF3810151.1 CHIG|XP\_018157983.1 CVIN|KAF4929101.1 CVYL|A02741 CVYL|A08531

>Orthogroup9467: CFRU|XP\_031885695.1 CGLO|KAF3810166.1 CHIG|XP\_018157785.1 CVIN|KAF4929154.1 CVYL|A02758 FGRM|XP\_011320305.1

>Orthogroup9468: CFRU|XP\_031885843.1 CGLO|KAF3810168.1 CHIG|XP\_018157787.1 CVIN|KAF4929109.1 CVYL|A02760 FGRM|XP\_011320307.1

>Orthogroup9469: CFRU|XP\_031885589.1 CGLO|KAF3810204.1 CHIG|XP\_018157825.1 CVIN|KAF4929176.1 CVYL|A02799 FGRM|XP\_011315710.1

>Orthogroup9470: CFRU|XP\_031885594.1 CGLO|KAF3810205.1 CHIG|XP\_018150564.1 CHIG|XP\_018157827.1 CVIN|KAF4929174.1 CVYL|A02801

>Orthogroup9471: CFRU|XP\_031892598.1 CGLO|KAF3807938.1 CHIG|XP\_018160142.1 CVIN|KAF4894352.1 CVYL|A00684 FGRM|XP\_011326083.1

>Orthogroup9472: CFRU|XP\_031892513.1 CGLO|KAF3809100.1 CHIG|XP\_018155922.1 CVIN|KAF4922116.1 CVYL|A01287 NCRA|XP\_960878.1

>Orthogroup9473: CFRU|XP\_031880279.1 CFRU|XP\_031892489.1 CGLO|KAF3809062.1 CVIN|KAF4919744.1 CVIN|KAF4923806.1 CVYL|A01649

>Orthogroup9474: CFRU|XP\_031892727.1 CGLO|KAF3812260.1 CHIG|XP\_018153449.1 CVIN|KAF4919935.1 CVYL|A00127 FGRM|XP\_011316943.1

>Orthogroup9475: CFRU|XP\_031892393.1 CGLO|KAF3812285.1 CHIG|XP\_018153511.1 CVIN|KAF4919882.1 CVYL|A00097 MORY|QBZ55618.1

>Orthogroup9476: CFRU|XP\_031892355.1 CGLO|KAF3803049.1 FGRM|XP\_011316071.1 MORY|QBZ63008.1 NCRA|XP\_011393397.1 SSCL|APA06945.1

>Orthogroup9477: CFRU|XP\_031892477.1 CGLO|KAF3797268.1 CVIN|KAF4920687.1 CVYL|A10425 FGRM|XP\_011328604.1 SSCL|APA13635.1

>Orthogroup9478: CFRU|XP\_031892546.1 CGLO|KAF3797221.1 CHIG|XP\_018157285.1 CVIN|KAF4917693.1 CVYL|A10475 MORY|QBZ66393.1

>Orthogroup9479: CFRU|XP\_031892311.1 CGLO|KAF3797135.1 CHIG|XP\_018157092.1 CVIN|KAF4898615.1 CVYL|A10564 FGRM|XP\_011326031.1

>Orthogroup9480: CFRU|XP\_031892612.1 CGLO|KAF3797124.1 CHIG|XP\_018157089.1 CVIN|KAF4893362.1 CVYL|A10578 MORY|QBZ65022.1

>Orthogroup9481: CFRU|XP\_031892855.1 CGLO|KAF3797047.1 CVIN|KAF4908012.1 CVYL|A10657 MORY|QBZ61857.1 MORY|QBZ64287.1

>Orthogroup9482: CFRU|XP\_031885455.1 CFRU|XP\_031891187.1 CGLO|KAF3799541.1 CHIG|XP\_018157897.1 CVIN|KAF4931886.1 CVYL|A13401

>Orthogroup9483: CFRU|XP\_031885480.1 CGLO|KAF3799478.1 CHIG|XP\_018154463.1 CVIN|KAF4931791.1 CVYL|A13340 MGRA|XP\_003847907.1

>Orthogroup9484: CFRU|XP\_031885543.1 CGLO|KAF3798662.1 CHIG|XP\_018157493.1 CVIN|KAF4919453.1 CVYL|A09401 MORY|QBZ57194.1

>Orthogroup9485: CFRU|XP\_031885429.1 CGLO|KAF3806542.1 CHIG|XP\_018157585.1 CVIN|KAF4921337.1 CVYL|A09327 MORY|QBZ56239.1

>Orthogroup9486: CFRU|XP\_031885287.1 CGLO|KAF3807790.1 CHIG|XP\_018163004.1 CVIN|KAF4921512.1 CVYL|A00812 FGRM|XP\_011317667.1

>Orthogroup9487: CFRU|XP\_031885282.1 CHIG|XP\_018151540.1 CVIN|KAF4920540.1 CVYL|A00828 FGRM|XP\_011325135.1 MGRA|XP\_003852387.1

>Orthogroup9488: CFRU|XP\_031885244.1 CGLO|KAF3807742.1 CHIG|XP\_018163034.1 CVIN|KAF4920527.1 CVYL|A06953 FGRM|XP\_011326108.1

>Orthogroup9489: CFRU|XP\_031885095.1 CFRU|XP\_031889440.1 CVIN|KAF4918892.1 CVYL|A06998 MORY|QBZ53424.1 NCRA|XP\_959576.2

>Orthogroup9490: CFRU|XP\_031885192.1 CGLO|KAF3800334.1 CHIG|XP\_018154728.1 CHIG|XP\_018162820.1 CVIN|KAF4918882.1 CVYL|A07320

>Orthogroup9491: CFRU|XP\_031885149.1 CGLO|KAF3800303.1 CHIG|XP\_018162792.1 CVIN|KAF4927626.1 CVYL|A06927 MORY|QBZ63878.1

>Orthogroup9492: CFRU|XP\_031884967.1 CGLO|KAF3800957.1 CHIG|XP\_018153218.1 CVIN|KAF4912789.1 CVYL|A05947 MLAR|XP\_007407612.1

>Orthogroup9493: CFRU|XP\_031884960.1 CGLO|KAF3800981.1 CHIG|XP\_018151529.1 CVIN|KAF4913270.1 CVYL|A05925 FGRM|XP\_011320484.1

>Orthogroup9494: CFRU|XP\_031884844.1 CGLO|KAF3800986.1 CHIG|XP\_018153243.1 CHIG|XP\_018153244.1 CVIN|KAF4913272.1 CVYL|A05915

>Orthogroup9495: CFRU|XP\_031884750.1 CGLO|KAF3800992.1 CHIG|XP\_018157713.1 CVYL|A05914 FGRM|XP\_011324555.1 MORY|QBZ55141.1

>Orthogroup9496: CFRU|XP\_031884859.1 CGLO|KAF3801035.1 CHIG|XP\_018153297.1 CVIN|KAF4908687.1 CVYL|A00349 FGRM|XP\_011321557.1

>Orthogroup9497: CFRU|XP\_031884825.1 CGLO|KAF3801049.1 CHIG|XP\_018153278.1 CVIN|KAF4902324.1 CVYL|A00332 MGRA|XP\_003855508.1

>Orthogroup9498: CFRU|XP\_031884804.1 CGLO|KAF3801058.1 CHIG|XP\_018153268.1 CVIN|KAF4918122.1 CVYL|A00309 FGRM|XP\_011321781.1

>Orthogroup9499: CFRU|XP\_031884735.1 CGLO|KAF3812136.1 CHIG|XP\_018152976.1 CVIN|KAF4910001.1 CVYL|A00262 SSCL|APA08432.1

>Orthogroup9500: CFRU|XP\_031884871.1 CGLO|KAF3812169.1 CHIG|XP\_018153393.1 CVIN|KAF4918738.1 CVYL|A00221 FGRM|XP\_011315680.1

>Orthogroup9501: CFRU|XP\_031884952.1 CGLO|KAF3812192.1 CHIG|XP\_018153419.1 CVIN|KAF4920978.1 CVYL|A00196 FGRM|XP\_011316605.1

>Orthogroup9502: CFRU|XP\_031884946.1 CGLO|KAF3812194.1 CHIG|XP\_018153417.1 CVIN|KAF4920976.1 CVYL|A00193 MORY|QBZ60247.1

>Orthogroup9503: CFRU|XP\_031884927.1 CGLO|KAF3812195.1 CHIG|XP\_018153418.1 CVIN|KAF4920977.1 CVYL|A00191 FGRM|XP\_011318394.1

>Orthogroup9504: CFRU|XP\_031884716.1 CGLO|KAF3812210.1 CHIG|XP\_018153438.1 CVIN|KAF4920971.1 CVYL|A00173 FGRM|XP\_011316952.1

>Orthogroup9505: CFRU|XP\_031884754.1 CGLO|KAF3812232.1 CHIG|XP\_018153477.1 CVIN|KAF4919902.1 CVYL|A00154 FGRM|XP\_011316941.1

>Orthogroup9506: CFRU|XP\_031884583.1 CGLO|KAF3799052.1 CHIG|XP\_018158203.1 CVIN|KAF4918235.1 CVYL|A11477 SSCL|APA13897.1

>Orthogroup9507: CFRU|XP\_031884380.1 CGLO|KAF3799034.1 CHIG|XP\_018151821.1 CVYL|A11493 FGRM|XP\_011328698.1 MGRA|XP\_003855911.1

>Orthogroup9508: CFRU|XP\_031884641.1 CGLO|KAF3799031.1 CHIG|XP\_018159983.1 CVIN|KAF4912190.1 CVYL|A11496 FGRM|XP\_011322092.1

>Orthogroup9509: CFRU|XP\_031884523.1 CFRU|XP\_031884674.1 CGLO|KAF3799785.1 CVIN|KAF4918945.1 CVYL|A11309 CVYL|A11497

>Orthogroup9510: CFRU|XP\_031884425.1 CFRU|XP\_031884426.1 CGLO|KAF3799776.1 CVIN|KAF4918947.1 CVIN|KAF4918975.1 CVYL|A11319

>Orthogroup9511: CFRU|XP\_031884455.1 CGLO|KAF3799771.1 CHIG|XP\_018158231.1 CHIG|XP\_018159994.1 CVIN|KAF4918967.1 CVYL|A11324

>Orthogroup9512: CFRU|XP\_031884586.1 CGLO|KAF3799757.1 CHIG|XP\_018160097.1 CVIN|KAF4918961.1 CVYL|A11339 FGRM|XP\_011322124.1

>Orthogroup9513: CFRU|XP\_031884429.1 CGLO|KAF3799745.1 CHIG|XP\_018155783.1 CVYL|A11350 FGRM|XP\_011327484.1 MORY|QBZ56187.1

>Orthogroup9514: CFRU|XP\_031884635.1 CGLO|KAF3799740.1 CGLO|KAF3799741.1 CHIG|XP\_018163510.1 CVYL|A11351 CVYL|A11352

>Orthogroup9515: CFRU|XP\_031877229.1 CFRU|XP\_031884597.1 CGLO|KAF3806794.1 CVIN|KAF4914234.1 CVYL|A11365 MGRA|XP\_003853073.1

>Orthogroup9516: CFRU|XP\_031884477.1 CGLO|KAF3799711.1 CHIG|XP\_018158288.1 CVIN|KAF4919958.1 CVYL|A05872 CVYL|A08593

>Orthogroup9517: CFRU|XP\_031884577.1 CGLO|KAF3799710.1 CHIG|XP\_018158286.1 CVIN|KAF4919957.1 CVYL|A05871 MORY|QBZ56236.1

>Orthogroup9518: CFRU|XP\_031884581.1 CGLO|KAF3799706.1 CHIG|XP\_018159290.1 CVIN|KAF4919960.1 CVYL|A05868 MORY|QBZ58084.1

>Orthogroup9519: CFRU|XP\_031884498.1 CGLO|KAF3810312.1 CHIG|XP\_018158335.1 CHIG|XP\_018158337.1 CVIN|KAF4913302.1 CVYL|A05792

>Orthogroup9520: CFRU|XP\_031884555.1 CGLO|KAF3810319.1 CHIG|XP\_018160186.1 CVIN|KAF4891714.1 CVYL|A05783 FGRM|XP\_011322413.1

>Orthogroup9521: CFRU|XP\_031884566.1 CGLO|KAF3810349.1 CVIN|KAF4899859.1 CVYL|A05759 FGRM|XP\_011325325.1 MORY|QBZ54154.1

>Orthogroup9522: CFRU|XP\_031884391.1 CFRU|XP\_031884564.1 CGLO|KAF3810351.1 CVIN|KAF4899866.1 CVYL|A05757 NCRA|XP\_960093.2

>Orthogroup9523: CFRU|XP\_031884234.1 CGLO|KAF3811063.1 CHIG|XP\_018153105.1 CVIN|KAF4915264.1 CVYL|A09734 NCRA|XP\_962799.2

>Orthogroup9524: CFRU|XP\_031884082.1 CGLO|KAF3811049.1 CHIG|XP\_018153133.1 CVIN|KAF4918164.1 CVYL|A09742 FGRM|XP\_011318133.1

>Orthogroup9525: CFRU|XP\_031884083.1 CGLO|KAF3811050.1 CHIG|XP\_018153134.1 CVIN|KAF4918145.1 CVYL|A09743 NCRA|XP\_964799.1

>Orthogroup9526: CFRU|XP\_031876666.1 CFRU|XP\_031884364.1 CGLO|KAF3801898.1 CVIN|KAF4913580.1 CVIN|KAF4918152.1 CVYL|A02340

>Orthogroup9527: CFRU|XP\_031884204.1 CGLO|KAF3811018.1 CHIG|XP\_018153016.1 CVIN|KAF4926894.1 CVYL|A09770 NCRA|XP\_011393612.1

>Orthogroup9528: CFRU|XP\_031884275.1 CHIG|XP\_018159072.1 CVYL|A12432 MORY|QBZ53629.1 MORY|QBZ54344.1 MORY|QBZ62891.1

>Orthogroup9529: CFRU|XP\_031884240.1 CGLO|KAF3803778.1 CVIN|KAF4917916.1 CVYL|A14156 FGRM|XP\_011327427.1 MGRA|XP\_003848850.1

>Orthogroup9530: CFRU|XP\_031884260.1 CGLO|KAF3803776.1 CVIN|KAF4917897.1 CVYL|A14154 FGRM|XP\_011326034.1 FGRM|XP\_011327425.1

>Orthogroup9531: CFRU|XP\_031884074.1 CHIG|XP\_018163342.1 CVIN|KAF4927473.1 CVYL|A06580 FGRM|XP\_011325812.1 MORY|QBZ64653.1

>Orthogroup9532: CFRU|XP\_031883824.1 CGLO|KAF3805134.1 CHIG|XP\_018163380.1 CVIN|KAF4927458.1 CVYL|A06422 MGRA|XP\_003852338.1

>Orthogroup9533: CFRU|XP\_031884032.1 CGLO|KAF3805107.1 CHIG|XP\_018163408.1 CVIN|KAF4927392.1 CVYL|A06451 FGRM|XP\_011318170.1

>Orthogroup9534: CFRU|XP\_031883858.1 CGLO|KAF3805084.1 CHIG|XP\_018163429.1 CVIN|KAF4927389.1 CVYL|A06475 MORY|QBZ64434.1

>Orthogroup9535: CFRU|XP\_031883956.1 CGLO|KAF3805075.1 CHIG|XP\_018163438.1 CVIN|KAF4927432.1 CVYL|A06484 NCRA|XP\_962129.1

>Orthogroup9536: CFRU|XP\_031883899.1 CGLO|KAF3805002.1 CVIN|KAF4927065.1 CVYL|A06546 FGRM|XP\_011319916.1 FGRM|XP\_011327665.1

>Orthogroup9537: CFRU|XP\_031883974.1 CGLO|KAF3805676.1 CHIG|XP\_018163570.1 CVIN|KAF4920671.1 CVYL|A09874 FGRM|XP\_011322375.1

>Orthogroup9538: CFRU|XP\_031884069.1 CGLO|KAF3805684.1 CGLO|KAF3808035.1 CHIG|XP\_018152741.1 CVYL|A08197 CVYL|A09864

>Orthogroup9539: CFRU|XP\_031883732.1 CHIG|XP\_018151140.1 CVIN|KAF4911834.1 CVIN|KAF4920591.1 CVYL|A06154 CVYL|A06163

>Orthogroup9540: CFRU|XP\_031883669.1 CGLO|KAF3811915.1 CVIN|KAF4911838.1 FGRM|XP\_011327731.1 FGRM|XP\_011328697.1 NCRA|XP\_959313.1

>Orthogroup9541: CFRU|XP\_031883507.1 CGLO|KAF3811930.1 CGLO|KAF3811931.1 CVIN|KAF4908649.1 CVYL|A06135 FGRM|XP\_011323853.1

>Orthogroup9542: CFRU|XP\_031883738.1 CGLO|KAF3811943.1 CHIG|XP\_018153088.1 CVIN|KAF4905826.1 CVYL|A06120 FGRM|XP\_011321066.1

>Orthogroup9543: CFRU|XP\_031883586.1 CGLO|KAF3800210.1 CHIG|XP\_018156188.1 CVIN|KAF4920406.1 CVYL|A06076 FGRM|XP\_011322148.1

>Orthogroup9544: CFRU|XP\_031883541.1 CGLO|KAF3810860.1 CHIG|XP\_018155025.1 CVIN|KAF4889453.1 CVYL|A02286 MORY|QBZ58206.1

>Orthogroup9545: CFRU|XP\_031883270.1 CGLO|KAF3800503.1 CHIG|XP\_018152209.1 FGRM|XP\_011321309.1 MORY|QBZ61098.1 NCRA|XP\_963614.1

>Orthogroup9546: CFRU|XP\_031883355.1 CGLO|KAF3800536.1 CHIG|XP\_018152147.1 CVIN|KAF4923822.1 CVYL|A13179 MORY|QBZ54396.1

>Orthogroup9547: CFRU|XP\_031883240.1 CHIG|XP\_018152122.1 CVIN|KAF4923781.1 CVYL|A13151 FGRM|XP\_011317245.1 NCRA|XP\_011393497.1

>Orthogroup9548: CFRU|XP\_031883380.1 CGLO|KAF3801737.1 CHIG|XP\_018158262.1 CVIN|KAF4922918.1 CVYL|A12965 FGRM|XP\_011317608.1

>Orthogroup9549: CFRU|XP\_031883017.1 CGLO|KAF3808166.1 CVIN|KAF4924270.1 FGRM|XP\_011322723.1 FGRM|XP\_011322967.1 MORY|QBZ55691.1

>Orthogroup9550: CFRU|XP\_031883221.1 CGLO|KAF3808176.1 CHIG|XP\_018163235.1 CVIN|KAF4924264.1 CVYL|A00531 MLAR|XP\_007412884.1

>Orthogroup9551: CFRU|XP\_031883171.1 CGLO|KAF3808193.1 CHIG|XP\_018163213.1 CVIN|KAF4924328.1 CVYL|A00544 NCRA|XP\_960165.3

>Orthogroup9552: CFRU|XP\_031883131.1 CGLO|KAF3808198.1 CHIG|XP\_018151808.1 CVIN|KAF4924281.1 CVYL|A00549 FGRM|XP\_011325256.1

>Orthogroup9553: CFRU|XP\_031883106.1 CGLO|KAF3808260.1 CHIG|XP\_018163148.1 CVIN|KAF4900279.1 CVYL|A00596 MGRA|XP\_003854686.1

>Orthogroup9554: CFRU|XP\_031883074.1 CGLO|KAF3808266.1 CHIG|XP\_018163141.1 FGRM|XP\_011318086.1 MORY|QBZ61608.1 NCRA|XP\_959992.1

>Orthogroup9555: CFRU|XP\_031883060.1 CGLO|KAF3808286.1 CHIG|XP\_018163133.1 CVIN|KAF4924087.1 CVYL|A00622 FGRM|XP\_011327110.1

>Orthogroup9556: CFRU|XP\_031882958.1 CGLO|KAF3808308.1 CHIG|XP\_018156503.1 CHIG|XP\_018156881.1 CVIN|KAF4924078.1 CVYL|A00644

>Orthogroup9557: CFRU|XP\_031882706.1 CGLO|KAF3800313.1 CGLO|KAF3806637.1 CVIN|KAF4918933.1 CVYL|A12350 MORY|QBZ54565.1

>Orthogroup9558: CFRU|XP\_031882935.1 CGLO|KAF3806649.1 CHIG|XP\_018164219.1 CVIN|KAF4918901.1 CVYL|A12361 MORY|QBZ59810.1

>Orthogroup9559: CFRU|XP\_031882742.1 CGLO|KAF3806668.1 CVYL|A14210 CVYL|A14211 MGRA|XP\_003848963.1 MGRA|XP\_003852511.1

>Orthogroup9560: CFRU|XP\_031882724.1 CGLO|KAF3803392.1 CHIG|XP\_018163939.1 CVIN|KAF4918450.1 CVYL|A14322 NCRA|XP\_965302.1

>Orthogroup9561: CFRU|XP\_031892029.1 CGLO|KAF3805562.1 CVIN|KAF4922339.1 CVYL|A07643 FGRM|XP\_011323241.1 MGRA|XP\_003855185.1

>Orthogroup9562: CFRU|XP\_031892070.1 CFRU|XP\_031892071.1 CGLO|KAF3801415.1 CHIG|XP\_018164742.1 CVIN|KAF4922364.1 CVYL|A07671

>Orthogroup9563: CFRU|XP\_031890800.1 CFRU|XP\_031892084.1 CGLO|KAF3811693.1 CHIG|XP\_018153795.1 CVIN|KAF4915961.1 CVYL|A12718

>Orthogroup9564: CFRU|XP\_031876111.1 CFRU|XP\_031892082.1 CGLO|KAF3801406.1 CGLO|KAF3807363.1 CVIN|KAF4920059.1 CVYL|A10858

>Orthogroup9565: CFRU|XP\_031892241.1 CGLO|KAF3801376.1 CHIG|XP\_018151115.1 CVIN|KAF4907811.1 CVYL|A07705 MORY|QBZ61772.1

>Orthogroup9566: CFRU|XP\_031891847.1 CGLO|KAF3801357.1 CHIG|XP\_018162038.1 CVIN|KAF4913327.1 CVYL|A07724 FGRM|XP\_011317622.1

>Orthogroup9567: CFRU|XP\_031876594.1 CFRU|XP\_031892130.1 CGLO|KAF3801343.1 CHIG|XP\_018159676.1 CVIN|KAF4910747.1 CVYL|A07740

>Orthogroup9568: CFRU|XP\_031891817.1 CGLO|KAF3801335.1 CHIG|XP\_018164806.1 CVIN|KAF4910748.1 CVIN|KAF4910749.1 CVYL|A07750

>Orthogroup9569: CFRU|XP\_031892203.1 CGLO|KAF3801331.1 CHIG|XP\_018156907.1 CVIN|KAF4910752.1 CVYL|A07755 FGRM|XP\_011322584.1

>Orthogroup9570: CFRU|XP\_031892204.1 CGLO|KAF3801330.1 CHIG|XP\_018164803.1 CVIN|KAF4910762.1 CVYL|A07756 FGRM|XP\_011320547.1

>Orthogroup9571: CFRU|XP\_031892186.1 CGLO|KAF3801309.1 CHIG|XP\_018164836.1 CVIN|KAF4921576.1 CVYL|A07776 NCRA|XP\_959316.3

>Orthogroup9572: CFRU|XP\_031892067.1 CGLO|KAF3801298.1 CHIG|XP\_018164844.1 CVYL|A07788 FGRM|XP\_011328380.1 MGRA|XP\_003856895.1

>Orthogroup9573: CFRU|XP\_031892064.1 CGLO|KAF3801294.1 CHIG|XP\_018164852.1 CVIN|KAF4921560.1 CVYL|A07793 FGRM|XP\_011322556.1

>Orthogroup9574: CFRU|XP\_031877263.1 CFRU|XP\_031880072.1 CFRU|XP\_031891727.1 CVIN|KAF4917561.1 CVIN|KAF4921567.1 CVYL|A07800

>Orthogroup9575: CFRU|XP\_031891730.1 CGLO|KAF3801282.1 CHIG|XP\_018164855.1 CVIN|KAF4921589.1 CVYL|A07805 FGRM|XP\_011327454.1

>Orthogroup9576: CFRU|XP\_031891963.1 CFRU|XP\_031892150.1 CGLO|KAF3801246.1 CGLO|KAF3801247.1 CVIN|KAF4921956.1 CVYL|A06601

>Orthogroup9577: CFRU|XP\_031891929.1 CGLO|KAF3809712.1 CHIG|XP\_018154210.1 CVIN|KAF4921979.1 CVYL|A06635 NCRA|XP\_960194.3

>Orthogroup9578: CFRU|XP\_031891659.1 CGLO|KAF3809715.1 CHIG|XP\_018164917.1 CVIN|KAF4921919.1 CVYL|A06638 MORY|QBZ58374.1

>Orthogroup9579: CFRU|XP\_031891762.1 CGLO|KAF3809747.1 CHIG|XP\_018161343.1 CVIN|KAF4903852.1 CVYL|A06665 FGRM|XP\_011322144.1

>Orthogroup9580: CFRU|XP\_031892143.1 CGLO|KAF3809768.1 CHIG|XP\_018164984.1 CVIN|KAF4915196.1 CVYL|A06689 FGRM|XP\_011328387.1

>Orthogroup9581: CFRU|XP\_031891882.1 CGLO|KAF3800046.1 CHIG|XP\_018164931.1 CVIN|KAF4919346.1 CVYL|A06745 MORY|QBZ61912.1

>Orthogroup9582: CFRU|XP\_031891826.1 CGLO|KAF3800069.1 CHIG|XP\_018165017.1 CVIN|KAF4919335.1 CVYL|A06767 FGRM|XP\_011319437.1

>Orthogroup9583: CFRU|XP\_031889675.1 CFRU|XP\_031891866.1 CGLO|KAF3805968.1 CHIG|XP\_018165025.1 CVIN|KAF4896538.1 CVYL|A13752

>Orthogroup9584: CFRU|XP\_031892054.1 CGLO|KAF3800097.1 CHIG|XP\_018165038.1 CVIN|KAF4925825.1 CVYL|A06790 MORY|QBZ55046.1

>Orthogroup9585: CFRU|XP\_031892091.1 CGLO|KAF3800111.1 CHIG|XP\_018165049.1 CVIN|KAF4925858.1 CVYL|A06802 FGRM|XP\_011322591.1

>Orthogroup9586: CFRU|XP\_031891896.1 CGLO|KAF3800179.1 CHIG|XP\_018165108.1 CVIN|KAF4906625.1 CVYL|A06868 FGRM|XP\_011317213.1

>Orthogroup9587: CFRU|XP\_031882540.1 CGLO|KAF3803917.1 CHIG|XP\_018151029.1 CVIN|KAF4925442.1 CVYL|A08885 MGRA|XP\_003849718.1

>Orthogroup9588: CFRU|XP\_031882366.1 CGLO|KAF3807589.1 CHIG|XP\_018156345.1 CVIN|KAF4928951.1 CVYL|A02893 FGRM|XP\_011322019.1

>Orthogroup9589: CFRU|XP\_031882130.1 CGLO|KAF3804323.1 CVIN|KAF4920126.1 CVYL|A04015 FGRM|XP\_011316502.1 MORY|QBZ54537.1

>Orthogroup9590: CFRU|XP\_031882231.1 CGLO|KAF3804359.1 CHIG|XP\_018160161.1 CVIN|KAF4918344.1 CVYL|A04059 MORY|QBZ53461.1

>Orthogroup9591: CFRU|XP\_031882330.1 CGLO|KAF3804367.1 CVIN|KAF4891817.1 CVIN|KAF4892305.1 CVYL|A04049 FGRM|XP\_011327376.1

>Orthogroup9592: CFRU|XP\_031882335.1 CGLO|KAF3804370.1 CHIG|XP\_018160160.1 CVIN|KAF4918328.1 CVYL|A04046 FGRM|XP\_011324434.1

>Orthogroup9593: CFRU|XP\_031882210.1 CGLO|KAF3804380.1 CHIG|XP\_018160193.1 CVYL|A04074 FGRM|XP\_011322717.1 NCRA|XP\_960103.1

>Orthogroup9594: CFRU|XP\_031882012.1 CGLO|KAF3806128.1 CHIG|XP\_018164535.1 CVIN|KAF4911012.1 CVYL|A07380 MORY|QBZ59799.1

>Orthogroup9595: CFRU|XP\_031882103.1 CGLO|KAF3806118.1 CHIG|XP\_018164546.1 CVIN|KAF4911037.1 CVYL|A07392 FGRM|XP\_011321547.1

>Orthogroup9596: CFRU|XP\_031882017.1 CGLO|KAF3806111.1 CHIG|XP\_018164550.1 CVIN|KAF4911023.1 CVYL|A07402 FGRM|XP\_011326669.1

>Orthogroup9597: CFRU|XP\_031881981.1 CGLO|KAF3806059.1 CHIG|XP\_018164611.1 CVIN|KAF4913552.1 CVYL|A07455 FGRM|XP\_011315998.1

>Orthogroup9598: CFRU|XP\_031881785.1 CGLO|KAF3797826.1 CVIN|KAF4900992.1 CVYL|A13015 FGRM|XP\_011324523.1 MLAR|XP\_007411880.1

>Orthogroup9599: CFRU|XP\_031881805.1 CGLO|KAF3800386.1 CHIG|XP\_018157701.1 CVIN|KAF4901612.1 CVYL|A11506 FGRM|XP\_011327486.1

>Orthogroup9600: CFRU|XP\_031881859.1 CGLO|KAF3809994.1 CHIG|XP\_018157735.1 CVYL|A02594 CVYL|A02595 NCRA|XP\_957720.1

>Orthogroup9601: CFRU|XP\_031881910.1 CGLO|KAF3810003.1 CHIG|XP\_018157728.1 CVIN|KAF4912998.1 CVYL|A02604 NCRA|XP\_956845.3

>Orthogroup9602: CFRU|XP\_031881700.1 CGLO|KAF3807397.1 CHIG|XP\_018156815.1 CVIN|KAF4929660.1 CVYL|A10889 FGRM|XP\_011328311.1

>Orthogroup9603: CFRU|XP\_031881616.1 CGLO|KAF3807403.1 CVIN|KAF4929652.1 CVYL|A10909 FGRM|XP\_011319864.1 MORY|QBZ58704.1

>Orthogroup9604: CFRU|XP\_031881623.1 CGLO|KAF3807419.1 CHIG|XP\_018156806.1 CVIN|KAF4906630.1 CVYL|A10920 MORY|QBZ65392.1

>Orthogroup9605: CFRU|XP\_031881643.1 CGLO|KAF3807471.1 CHIG|XP\_018156761.1 CVIN|KAF4913616.1 CVYL|A10981 MORY|QBZ58806.1

>Orthogroup9606: CFRU|XP\_031881580.1 CGLO|KAF3805417.1 CHIG|XP\_018150769.1 CVIN|KAF4917756.1 CVYL|A11064 FGRM|XP\_011325202.1

>Orthogroup9607: CFRU|XP\_031881458.1 CGLO|KAF3805716.1 CHIG|XP\_018163640.1 CVIN|KAF4926635.1 CVYL|A09829 FGRM|XP\_011320502.1

>Orthogroup9608: CFRU|XP\_031881371.1 CGLO|KAF3805826.1 CHIG|XP\_018157075.1 CVIN|KAF4920928.1 CVYL|A05996 FGRM|XP\_011319489.1

>Orthogroup9609: CFRU|XP\_031877868.1 CFRU|XP\_031881463.1 CGLO|KAF3806622.1 CVIN|KAF4918924.1 CVYL|A12332 FGRM|XP\_011326035.1

>Orthogroup9610: CFRU|XP\_031879592.1 CFRU|XP\_031879594.1 CFRU|XP\_031881473.1 CGLO|KAF3800911.1 CHIG|XP\_018157640.1 CVYL|A05989

>Orthogroup9611: CFRU|XP\_031881464.1 CHIG|XP\_018153015.1 CVIN|KAF4920888.1 CVYL|A05987 FGRM|XP\_011324404.1 SSCL|APA10714.1

>Orthogroup9612: CFRU|XP\_031881188.1 CGLO|KAF3802463.1 CHIG|XP\_018158403.1 CVIN|KAF4916866.1 CVYL|A02064 FGRM|XP\_011325229.1

>Orthogroup9613: CFRU|XP\_031881216.1 MGRA|XP\_003852106.1 MORY|QBZ56652.1 MORY|QBZ66623.1 MORY|QBZ66661.1 NCRA|XP\_956737.3

>Orthogroup9614: CFRU|XP\_031881328.1 CGLO|KAF3802503.1 CHIG|XP\_018165109.1 CVIN|KAF4919003.1 CVYL|A02095 CVYL|A08697

>Orthogroup9615: CFRU|XP\_031881173.1 CGLO|KAF3802551.1 CHIG|XP\_018159995.1 CVIN|KAF4921874.1 CVYL|A02142 MGRA|XP\_003854212.1

>Orthogroup9616: CFRU|XP\_031881172.1 CGLO|KAF3802550.1 CHIG|XP\_018156802.1 CVIN|KAF4921877.1 CVYL|A02141 FGRM|XP\_011321932.1

>Orthogroup9617: CFRU|XP\_031881008.1 CGLO|KAF3800399.1 CHIG|XP\_018161408.1 CVIN|KAF4930614.1 CVYL|A01794 FGRM|XP\_011321429.1

>Orthogroup9618: CFRU|XP\_031881024.1 CFRU|XP\_031889387.1 CGLO|KAF3808751.1 CGLO|KAF3809827.1 CVYL|A01785 MGRA|XP\_003852495.1

>Orthogroup9619: CFRU|XP\_031881026.1 CGLO|KAF3809829.1 CHIG|XP\_018161415.1 CVIN|KAF4930693.1 CVYL|A01783 MGRA|XP\_003850008.1

>Orthogroup9620: CFRU|XP\_031881043.1 CGLO|KAF3809861.1 CHIG|XP\_018161458.1 CVIN|KAF4930620.1 CVYL|A01757 FGRM|XP\_011321392.1

>Orthogroup9621: CFRU|XP\_031881055.1 CGLO|KAF3809914.1 CHIG|XP\_018161504.1 CVIN|KAF4930732.1 CVYL|A01707 MGRA|XP\_003855423.1

>Orthogroup9622: CFRU|XP\_031880818.1 CFRU|XP\_031880869.1 CGLO|KAF3806868.1 CGLO|KAF3806869.1 CHIG|XP\_018159556.1 CVYL|A02514

>Orthogroup9623: CFRU|XP\_031880865.1 CGLO|KAF3806870.1 CHIG|XP\_018159554.1 CVIN|KAF4895976.1 CVYL|A02515 FGRM|XP\_011316465.1

>Orthogroup9624: CFRU|XP\_031880874.1 CFRU|XP\_031880875.1 CGLO|KAF3806894.1 CVIN|KAF4904498.1 CVYL|A02538 CVYL|A02539

>Orthogroup9625: CFRU|XP\_031880850.1 CGLO|KAF3806898.1 CHIG|XP\_018159561.1 CHIG|XP\_018159567.1 CVIN|KAF4923839.1 MORY|QBZ63045.1

>Orthogroup9626: CFRU|XP\_031880794.1 CGLO|KAF3799378.1 CGLO|KAF3806929.1 CVYL|A02574 CVYL|A02575 SSCL|APA10909.1

>Orthogroup9627: CFRU|XP\_031880824.1 CGLO|KAF3806946.1 CHIG|XP\_018161417.1 CVIN|KAF4919151.1 CVYL|A06235 MGRA|XP\_003854210.1

>Orthogroup9628: CFRU|XP\_031880892.1 CFRU|XP\_031880893.1 CGLO|KAF3806972.1 CHIG|XP\_018159616.1 CVIN|KAF4918779.1 CVYL|A06264

>Orthogroup9629: CFRU|XP\_031880890.1 CGLO|KAF3806973.1 CHIG|XP\_018159615.1 CVIN|KAF4918778.1 CVYL|A06265 FGRM|XP\_011328378.1

>Orthogroup9630: CFRU|XP\_031880897.1 CGLO|KAF3806974.1 CHIG|XP\_018159612.1 CVIN|KAF4918789.1 CVYL|A06267 NCRA|XP\_011393405.1

>Orthogroup9631: CFRU|XP\_031891595.1 CGLO|KAF3797402.1 CHIG|XP\_018157361.1 CVIN|KAF4929397.1 CVYL|A10276 MORY|QBZ65304.1

>Orthogroup9632: CFRU|XP\_031891329.1 CGLO|KAF3797399.1 CVIN|KAF4929396.1 CVIN|KAF4929411.1 CVYL|A10280 FGRM|XP\_011325617.1

>Orthogroup9633: CFRU|XP\_031891478.1 CGLO|KAF3804498.1 CHIG|XP\_018160326.1 CVIN|KAF4930976.1 CVYL|A04213 NCRA|XP\_960930.2

>Orthogroup9634: CFRU|XP\_031891431.1 CFRU|XP\_031891432.1 CGLO|KAF3804732.1 CHIG|XP\_018161428.1 CVIN|KAF4923365.1 CVYL|A05386

>Orthogroup9635: CFRU|XP\_031891252.1 CGLO|KAF3804658.1 CVIN|KAF4913905.1 CVYL|A05227 FGRM|XP\_011320662.1 NCRA|XP\_001728273.1

>Orthogroup9636: CFRU|XP\_031891628.1 CGLO|KAF3804602.1 CHIG|XP\_018161676.1 CVIN|KAF4891281.1 CVYL|A05278 FGRM|XP\_011319448.1

>Orthogroup9637: CFRU|XP\_031891172.1 CGLO|KAF3804568.1 CHIG|XP\_018161646.1 CVIN|KAF4923087.1 CVYL|A05309 CVYL|A10069

>Orthogroup9638: CFRU|XP\_031891374.1 CGLO|KAF3797903.1 CHIG|XP\_018161616.1 CVIN|KAF4905680.1 CVYL|A05340 FGRM|XP\_011318665.1

>Orthogroup9639: CFRU|XP\_031891634.1 CHIG|XP\_018161613.1 CVIN|KAF4905689.1 CVYL|A05343 MLAR|XP\_007405934.1 MLAR|XP\_007413802.1

>Orthogroup9640: CFRU|XP\_031891368.1 CGLO|KAF3797925.1 CHIG|XP\_018161594.1 CVIN|KAF4907821.1 CVYL|A05360 MORY|QBZ59288.1

>Orthogroup9641: CFRU|XP\_031880491.1 CGLO|KAF3811592.1 CHIG|XP\_018160858.1 CVIN|KAF4914873.1 CVYL|A03447 NCRA|XP\_962238.2

>Orthogroup9642: CFRU|XP\_031876792.1 CFRU|XP\_031880569.1 CGLO|KAF3800025.1 CHIG|XP\_018158070.1 CVIN|KAF4912479.1 CVYL|A05462

>Orthogroup9643: CFRU|XP\_031880355.1 CGLO|KAF3800754.1 CGLO|KAF3807231.1 MORY|QBZ64959.1 SSCL|APA07158.1 SSCL|APA15394.1

>Orthogroup9644: CFRU|XP\_031880352.1 CGLO|KAF3807235.1 CGLO|KAF3807236.1 CHIG|XP\_018164602.1 CVIN|KAF4928172.1 CVYL|A10717

>Orthogroup9645: CFRU|XP\_031880256.1 CGLO|KAF3809032.1 CHIG|XP\_018155863.1 CVIN|KAF4923790.1 CVYL|A01605 MORY|QBZ64635.1

>Orthogroup9646: CFRU|XP\_031880211.1 CGLO|KAF3809019.1 CVIN|KAF4917996.1 CVYL|A01592 FGRM|XP\_011317641.1 MGRA|XP\_003852002.1

>Orthogroup9647: CFRU|XP\_031880306.1 CGLO|KAF3808998.1 CHIG|XP\_018155843.1 CVIN|KAF4918028.1 CVYL|A01457 FGRM|XP\_011319324.1

>Orthogroup9648: CFRU|XP\_031880082.1 CGLO|KAF3797734.1 CHIG|XP\_018161952.1 CVIN|KAF4917534.1 CVYL|A11418 MGRA|XP\_003857508.1

>Orthogroup9649: CFRU|XP\_031880060.1 CGLO|KAF3811851.1 CVIN|KAF4924916.1 CVYL|A11395 FGRM|XP\_011327641.1 MORY|QBZ58218.1

>Orthogroup9650: CFRU|XP\_031880155.1 CGLO|KAF3811810.1 CHIG|XP\_018151729.1 CVIN|KAF4924882.1 CVYL|A12813 FGRM|XP\_011318230.1

>Orthogroup9651: CFRU|XP\_031880112.1 CGLO|KAF3811795.1 CHIG|XP\_018151758.1 CVIN|KAF4924924.1 CVYL|A12801 FGRM|XP\_011321141.1

>Orthogroup9652: CFRU|XP\_031880036.1 CFRU|XP\_031880037.1 CGLO|KAF3811790.1 CHIG|XP\_018151772.1 CVIN|KAF4907646.1 CVYL|A12795

>Orthogroup9653: CFRU|XP\_031880031.1 CGLO|KAF3811785.1 CVIN|KAF4907633.1 CVIN|KAF4907641.1 CVYL|A12789 CVYL|A12790

>Orthogroup9654: CFRU|XP\_031879964.1 CGLO|KAF3798920.1 CVIN|KAF4908215.1 FGRM|XP\_011320512.1 FGRM|XP\_011321866.1 MORY|QBZ63724.1

>Orthogroup9655: CFRU|XP\_031879842.1 CGLO|KAF3802960.1 CHIG|XP\_018153655.1 CVIN|KAF4929986.1 CVYL|A00392 MORY|QBZ63863.1

>Orthogroup9656: CFRU|XP\_031879835.1 CGLO|KAF3802999.1 CHIG|XP\_018153613.1 CVIN|KAF4929979.1 CVYL|A00010 FGRM|XP\_011322034.1

>Orthogroup9657: CFRU|XP\_031879802.1 CGLO|KAF3803030.1 CHIG|XP\_018153576.1 CVIN|KAF4929936.1 CVYL|A00041 NCRA|XP\_963717.1

>Orthogroup9658: CFRU|XP\_031879777.1 CGLO|KAF3798570.1 CGLO|KAF3798571.1 CVIN|KAF4930169.1 CVYL|A04871 MORY|QBZ56133.1

>Orthogroup9659: CFRU|XP\_031879736.1 CFRU|XP\_031889911.1 CGLO|KAF3798191.1 CGLO|KAF3805946.1 CVIN|KAF4916796.1 CVYL|A04929

>Orthogroup9660: CFRU|XP\_031879640.1 CGLO|KAF3802714.1 CGLO|KAF3802715.1 CVYL|A08041 MORY|QBZ53406.1 MORY|QBZ54307.1

>Orthogroup9661: CFRU|XP\_031879551.1 CGLO|KAF3802733.1 CVIN|KAF4910776.1 CVYL|A08055 CVYL|A09914 MGRA|XP\_003846887.1

>Orthogroup9662: CFRU|XP\_031879534.1 CGLO|KAF3802757.1 CHIG|XP\_018163433.1 CVIN|KAF4894657.1 CVYL|A08080 MORY|QBZ64751.1

>Orthogroup9663: CFRU|XP\_031877045.1 CFRU|XP\_031879647.1 CFRU|XP\_031890908.1 CGLO|KAF3802783.1 CHIG|XP\_018152059.1 MORY|QBZ58068.1

>Orthogroup9664: CFRU|XP\_031879442.1 CGLO|KAF3802407.1 CHIG|XP\_018154707.1 CVIN|KAF4922186.1 CVYL|A13551 FGRM|XP\_011317265.1

>Orthogroup9665: CFRU|XP\_031879443.1 CGLO|KAF3802408.1 CVIN|KAF4922185.1 CVYL|A13552 FGRM|XP\_011317264.1 MORY|QBZ64861.1

>Orthogroup9666: CFRU|XP\_031879436.1 CFRU|XP\_031879437.1 CGLO|KAF3802410.1 CHIG|XP\_018154724.1 CVIN|KAF4918215.1 CVIN|KAF4918216.1

>Orthogroup9667: CFRU|XP\_031879478.1 CGLO|KAF3802427.1 CHIG|XP\_018154730.1 CVIN|KAF4918224.1 CVYL|A13571 FGRM|XP\_011322702.1

>Orthogroup9668: CFRU|XP\_031879488.1 CHIG|XP\_018152337.1 CHIG|XP\_018156603.1 CVIN|KAF4913915.1 CVYL|A02033 FGRM|XP\_011327540.1

>Orthogroup9669: CFRU|XP\_031891099.1 CGLO|KAF3811752.1 CHIG|XP\_018151787.1 CVIN|KAF4923009.1 CVYL|A12767 FGRM|XP\_011319492.1

>Orthogroup9670: CFRU|XP\_031890926.1 CGLO|KAF3811742.1 CHIG|XP\_018151806.1 CVIN|KAF4922995.1 CVYL|A12757 MGRA|XP\_003848995.1

>Orthogroup9671: CFRU|XP\_031891021.1 CGLO|KAF3811688.1 CHIG|XP\_018158371.1 CVIN|KAF4915930.1 CVYL|A12713 FGRM|XP\_011322178.1

>Orthogroup9672: CFRU|XP\_031891088.1 CGLO|KAF3801460.1 CHIG|XP\_018151911.1 CVIN|KAF4912387.1 CVYL|A12663 FGRM|XP\_011316418.1

>Orthogroup9673: CFRU|XP\_031890719.1 CGLO|KAF3801569.1 CHIG|XP\_018151992.1 CVIN|KAF4921085.1 CVYL|A12564 FGRM|XP\_011319459.1

>Orthogroup9674: CFRU|XP\_031890717.1 CGLO|KAF3801575.1 CHIG|XP\_018151340.1 CVIN|KAF4921111.1 CVYL|A12558 MORY|QBZ59138.1

>Orthogroup9675: CFRU|XP\_031890965.1 CGLO|KAF3801683.1 CHIG|XP\_018151464.1 CVIN|KAF4896994.1 CVYL|A12453 FGRM|XP\_011328498.1

>Orthogroup9676: CFRU|XP\_031879307.1 CGLO|KAF3808585.1 CHIG|XP\_018161907.1 CVIN|KAF4908436.1 CVYL|A11557 FGRM|XP\_011315597.1

>Orthogroup9677: CFRU|XP\_031879337.1 CFRU|XP\_031879370.1 CGLO|KAF3808657.1 CHIG|XP\_018156513.1 CVIN|KAF4926118.1 CVYL|A11855

>Orthogroup9678: CFRU|XP\_031879177.1 CGLO|KAF3807067.1 CHIG|XP\_018159726.1 CHIG|XP\_018165048.1 CVIN|KAF4920245.1 CVYL|A06360

>Orthogroup9679: CFRU|XP\_031879181.1 CGLO|KAF3807063.1 CHIG|XP\_018159724.1 CVYL|A06357 FGRM|XP\_011325628.1 MGRA|XP\_003856258.1

>Orthogroup9680: CFRU|XP\_031879262.1 CGLO|KAF3807056.1 CHIG|XP\_018159722.1 CVIN|KAF4920275.1 CVYL|A06350 MORY|QBZ61150.1

>Orthogroup9681: CFRU|XP\_031879156.1 CGLO|KAF3799365.1 CGLO|KAF3807040.1 CGLO|KAF3807041.1 CVIN|KAF4920252.1 CVYL|A06334

>Orthogroup9682: CFRU|XP\_031879232.1 CGLO|KAF3807033.1 CVIN|KAF4920287.1 CVYL|A06327 MGRA|XP\_003849732.1 NCRA|XP\_957419.1

>Orthogroup9683: CFRU|XP\_031879257.1 CGLO|KAF3807029.1 CHIG|XP\_018159714.1 CVIN|KAF4920288.1 CVYL|A06324 FGRM|XP\_011328266.1

>Orthogroup9684: CFRU|XP\_031879216.1 CGLO|KAF3807019.1 CHIG|XP\_018159686.1 CVIN|KAF4920280.1 CVYL|A06312 FGRM|XP\_011318030.1

>Orthogroup9685: CFRU|XP\_031879205.1 CGLO|KAF3807014.1 CHIG|XP\_018159679.1 CHIG|XP\_018159681.1 CVIN|KAF4920269.1 CVYL|A06305

>Orthogroup9686: CFRU|XP\_031877098.1 CFRU|XP\_031879102.1 CGLO|KAF3798788.1 CHIG|XP\_018159986.1 CVIN|KAF4891442.1 CVYL|A08789

>Orthogroup9687: CFRU|XP\_031879110.1 CGLO|KAF3798794.1 CHIG|XP\_018151229.1 CVIN|KAF4919602.1 CVYL|A09131 SSCL|APA08624.1

>Orthogroup9688: CFRU|XP\_031879040.1 CHIG|XP\_018152708.1 CHIG|XP\_018154253.1 CHIG|XP\_018157211.1 CVIN|KAF4919595.1 MORY|QBZ60279.1

>Orthogroup9689: CFRU|XP\_031879051.1 CGLO|KAF3798830.1 CHIG|XP\_018151222.1 CHIG|XP\_018151223.1 CVIN|KAF4919579.1 CVYL|A08516

>Orthogroup9690: CFRU|XP\_031879038.1 CGLO|KAF3798857.1 CHIG|XP\_018151171.1 CVIN|KAF4920330.1 CVYL|A09078 MORY|QBZ64803.1

>Orthogroup9691: CFRU|XP\_031879011.1 CGLO|KAF3798870.1 CVIN|KAF4920301.1 CVYL|A09065 FGRM|XP\_011322426.1 MLAR|XP\_007405068.1

>Orthogroup9692: CFRU|XP\_031878909.1 CGLO|KAF3807919.1 CHIG|XP\_018163059.1 CVIN|KAF4915250.1 CVYL|A00700 FGRM|XP\_011322192.1

>Orthogroup9693: CFRU|XP\_031878885.1 CFRU|XP\_031878906.1 CGLO|KAF3807917.1 CHIG|XP\_018163063.1 CVIN|KAF4915252.1 CVYL|A00702

>Orthogroup9694: CFRU|XP\_031878905.1 CGLO|KAF3807915.1 CHIG|XP\_018163065.1 CHIG|XP\_018163067.1 CVIN|KAF4915241.1 CVYL|A00704

>Orthogroup9695: CFRU|XP\_031878985.1 CFRU|XP\_031878986.1 CGLO|KAF3807879.1 CVIN|KAF4922576.1 CVYL|A00732 CVYL|A00733

>Orthogroup9696: CFRU|XP\_031878984.1 CGLO|KAF3807881.1 CHIG|XP\_018163053.1 CVIN|KAF4922575.1 CVYL|A00731 FGRM|XP\_011322844.1

>Orthogroup9697: CFRU|XP\_031878972.1 CGLO|KAF3803299.1 CGLO|KAF3807884.1 CHIG|XP\_018152665.1 CVIN|KAF4928667.1 FGRM|XP\_011318276.1

>Orthogroup9698: CFRU|XP\_031878920.1 CGLO|KAF3807872.1 CHIG|XP\_018152329.1 CHIG|XP\_018156586.1 CVIN|KAF4922581.1 CVYL|A00740

>Orthogroup9699: CFRU|XP\_031878841.1 CGLO|KAF3802597.1 CHIG|XP\_018161318.1 CVIN|KAF4896241.1 CVYL|A01884 MGRA|XP\_003851570.1

>Orthogroup9700: CFRU|XP\_031878775.1 CGLO|KAF3802602.1 CHIG|XP\_018161314.1 CVIN|KAF4911606.1 CVYL|A01889 FGRM|XP\_011321047.1

>Orthogroup9701: CFRU|XP\_031878847.1 CGLO|KAF3802622.1 CVIN|KAF4905503.1 CVYL|A01918 FGRM|XP\_011320784.1 MGRA|XP\_003848237.1

>Orthogroup9702: CFRU|XP\_031878813.1 CGLO|KAF3797510.1 CHIG|XP\_018161271.1 CVIN|KAF4921673.1 CVYL|A01957 FGRM|XP\_011318364.1

>Orthogroup9703: CFRU|XP\_031878795.1 CGLO|KAF3797512.1 CHIG|XP\_018159608.1 CHIG|XP\_018162952.1 CVIN|KAF4921674.1 CVYL|A01959

>Orthogroup9704: CFRU|XP\_031878718.1 CGLO|KAF3798325.1 CHIG|XP\_018151150.1 CVIN|KAF4920316.1 CVYL|A09043 MORY|QBZ55183.1

>Orthogroup9705: CFRU|XP\_031878729.1 CGLO|KAF3798344.1 CHIG|XP\_018151128.1 CVIN|KAF4923562.1 CVYL|A09017 CVYL|A09018

>Orthogroup9706: CFRU|XP\_031878712.1 CGLO|KAF3798353.1 CHIG|XP\_018150861.1 CHIG|XP\_018152726.1 CVIN|KAF4923605.1 CVYL|A09027

>Orthogroup9707: CFRU|XP\_031878621.1 CGLO|KAF3798464.1 CHIG|XP\_018161232.1 CVIN|KAF4920035.1 CVYL|A11179 MORY|QBZ58461.1

>Orthogroup9708: CFRU|XP\_031878552.1 CFRU|XP\_031890288.1 CGLO|KAF3798485.1 CGLO|KAF3798748.1 CVIN|KAF4903202.1 CVYL|A09169

>Orthogroup9709: CFRU|XP\_031878612.1 CGLO|KAF3798493.1 CHIG|XP\_018163236.1 CVIN|KAF4917485.1 CVYL|A11170 FGRM|XP\_011322119.1

>Orthogroup9710: CFRU|XP\_031878613.1 CGLO|KAF3798494.1 CHIG|XP\_018161226.1 CVYL|A11169 MGRA|XP\_003851734.1 MORY|QBZ58354.1

>Orthogroup9711: CFRU|XP\_031878548.1 CGLO|KAF3798504.1 CHIG|XP\_018163413.1 CVIN|KAF4917476.1 CVYL|A03820 MORY|QBZ61160.1

>Orthogroup9712: CFRU|XP\_031878642.1 CGLO|KAF3798507.1 CHIG|XP\_018161187.1 CVIN|KAF4917477.1 CVYL|A03819 MLAR|XP\_007411954.1

>Orthogroup9713: CFRU|XP\_031878541.1 CGLO|KAF3798536.1 CHIG|XP\_018161185.1 CVIN|KAF4919272.1 CVYL|A03788 FGRM|XP\_011321050.1

>Orthogroup9714: CFRU|XP\_031878504.1 CGLO|KAF3798644.1 CHIG|XP\_018153892.1 CVIN|KAF4912453.1 CVYL|A04805 MLAR|XP\_007406010.1

>Orthogroup9715: CFRU|XP\_031878488.1 CGLO|KAF3798638.1 CHIG|XP\_018153907.1 CVIN|KAF4912444.1 CVYL|A04812 FGRM|XP\_011324688.1

>Orthogroup9716: CFRU|XP\_031878513.1 CGLO|KAF3798614.1 CVIN|KAF4930100.1 CVIN|KAF4930109.1 CVYL|A04831 CVYL|A04832

>Orthogroup9717: CFRU|XP\_031878305.1 CGLO|KAF3798094.1 CHIG|XP\_018152452.1 CHIG|XP\_018152623.1 CVIN|KAF4927979.1 CVYL|A08267

>Orthogroup9718: CFRU|XP\_031878262.1 CGLO|KAF3798025.1 CHIG|XP\_018150607.1 CHIG|XP\_018153904.1 CHIG|XP\_018156560.1 CHIG|XP\_018158076.1

>Orthogroup9719: CFRU|XP\_031890682.1 CGLO|KAF3804836.1 CHIG|XP\_018154993.1 CHIG|XP\_018164337.1 CVIN|KAF4929791.1 CVYL|A12237

>Orthogroup9720: CFRU|XP\_031890367.1 CFRU|XP\_031890510.1 CGLO|KAF3804902.1 CVYL|A09496 CVYL|A11970 CVYL|A12157

>Orthogroup9721: CFRU|XP\_031878213.1 CHIG|XP\_018161944.1 CVIN|KAF4917725.1 CVYL|A11664 FGRM|XP\_011322539.1 MORY|QBZ61905.1

>Orthogroup9722: CFRU|XP\_031878210.1 CGLO|KAF3808526.1 CHIG|XP\_018161976.1 CHIG|XP\_018163201.1 CVIN|KAF4917645.1 CVYL|A11617

>Orthogroup9723: CFRU|XP\_031878120.1 CGLO|KAF3801837.1 CHIG|XP\_018159313.1 CVIN|KAF4907405.1 CVYL|A12869 MORY|QBZ62876.1

>Orthogroup9724: CFRU|XP\_031878110.1 CHIG|XP\_018151121.1 CVIN|KAF4901584.1 CVYL|A12861 FGRM|XP\_011318368.1 FGRM|XP\_011323624.1

>Orthogroup9725: CFRU|XP\_031878095.1 CGLO|KAF3801850.1 CHIG|XP\_018159339.1 CVIN|KAF4901581.1 CVYL|A12856 MORY|QBZ64926.1

>Orthogroup9726: CFRU|XP\_031878008.1 CGLO|KAF3799597.1 CHIG|XP\_018154592.1 CVYL|A13458 FGRM|XP\_011321223.1 NCRA|XP\_956476.1

>Orthogroup9727: CFRU|XP\_031877885.1 CGLO|KAF3810891.1 CHIG|XP\_018154924.1 CVIN|KAF4916376.1 CVYL|A02253 FGRM|XP\_011322705.1

>Orthogroup9728: CFRU|XP\_031877832.1 CGLO|KAF3806608.1 CHIG|XP\_018164247.1 CVIN|KAF4929827.1 CVYL|A12317 FGRM|XP\_011322835.1

>Orthogroup9729: CFRU|XP\_031877725.1 CGLO|KAF3797311.1 CHIG|XP\_018157200.1 CVIN|KAF4893354.1 CVYL|A10384 MORY|QBZ60386.1

>Orthogroup9730: CFRU|XP\_031877677.1 CGLO|KAF3797343.1 CHIG|XP\_018157167.1 CHIG|XP\_018161865.1 CVIN|KAF4917648.1 CVYL|A10348

>Orthogroup9731: CFRU|XP\_031877705.1 CGLO|KAF3797362.1 CHIG|XP\_018157148.1 CVYL|A10327 FGRM|XP\_011320091.1 MORY|QBZ65949.1

>Orthogroup9732: CFRU|XP\_031877627.1 CGLO|KAF3801100.1 CHIG|XP\_018153749.1 CVIN|KAF4909549.1 CVYL|A11295 FGRM|XP\_011324554.1

>Orthogroup9733: CFRU|XP\_031877526.1 CGLO|KAF3797515.1 CHIG|XP\_018161269.1 CVIN|KAF4921672.1 CVYL|A01962 MORY|QBZ57757.1

>Orthogroup9734: CFRU|XP\_031877478.1 CGLO|KAF3797526.1 CHIG|XP\_018161261.1 CVIN|KAF4921613.1 CVYL|A01974 MORY|QBZ59922.1

>Orthogroup9735: CFRU|XP\_031889947.1 CGLO|KAF3802905.1 CHIG|XP\_018158509.1 CVIN|KAF4907426.1 CVYL|A05108 FGRM|XP\_011316583.1

>Orthogroup9736: CFRU|XP\_031890034.1 CGLO|KAF3798881.1 CHIG|XP\_018158550.1 CVIN|KAF4925577.1 CVYL|A05072 FGRM|XP\_011316622.1

>Orthogroup9737: CFRU|XP\_031890064.1 CGLO|KAF3798761.1 CHIG|XP\_018155046.1 CHIG|XP\_018159783.1 CVIN|KAF4912773.1 CVYL|A09159

>Orthogroup9738: CFRU|XP\_031890282.1 CGLO|KAF3798755.1 CHIG|XP\_018156879.1 CVIN|KAF4903208.1 CVYL|A09164 MGRA|XP\_003852536.1

>Orthogroup9739: CFRU|XP\_031890286.1 CGLO|KAF3798750.1 CHIG|XP\_018159935.1 CVIN|KAF4903203.1 CVYL|A09167 MORY|QBZ60670.1

>Orthogroup9740: CFRU|XP\_031890153.1 CGLO|KAF3798722.1 CHIG|XP\_018151278.1 CVIN|KAF4896759.1 CVYL|A09190 FGRM|XP\_011327912.1

>Orthogroup9741: CFRU|XP\_031890319.1 CGLO|KAF3796918.1 CHIG|XP\_018151294.1 CVIN|KAF4904106.1 CVYL|A09221 MORY|QBZ66471.1

>Orthogroup9742: CFRU|XP\_031890138.1 CGLO|KAF3798264.1 CHIG|XP\_018156994.1 CVIN|KAF4916922.1 CVYL|A09246 MORY|QBZ62615.1

>Orthogroup9743: CFRU|XP\_031890023.1 CGLO|KAF3798273.1 CVIN|KAF4916908.1 CVYL|A09254 FGRM|XP\_011327119.1 MORY|QBZ60058.1

>Orthogroup9744: CFRU|XP\_031877424.1 CGLO|KAF3808459.1 CHIG|XP\_018161993.1 CVIN|KAF4915205.1 CVYL|A11682 FGRM|XP\_011325949.1

>Orthogroup9745: CFRU|XP\_031877344.1 CHIG|XP\_018153773.1 CHIG|XP\_018153774.1 CVIN|KAF4921691.1 CVYL|A09619 FGRM|XP\_011322543.1

>Orthogroup9746: CFRU|XP\_031877329.1 CGLO|KAF3799892.1 CHIG|XP\_018156917.1 CVIN|KAF4921716.1 CVYL|A09628 FGRM|XP\_011322260.1

>Orthogroup9747: CFRU|XP\_031877351.1 CGLO|KAF3799886.1 CHIG|XP\_018153807.1 CVIN|KAF4921746.1 CVYL|A09633 FGRM|XP\_011325431.1

>Orthogroup9748: CFRU|XP\_031877353.1 CGLO|KAF3799883.1 CVIN|KAF4921749.1 CVYL|A09635 FGRM|XP\_011320570.1 FGRM|XP\_011323526.1

>Orthogroup9749: CFRU|XP\_031877257.1 CGLO|KAF3802008.1 CHIG|XP\_018159444.1 CVIN|KAF4919779.1 CVYL|A02438 MORY|QBZ58688.1

>Orthogroup9750: CFRU|XP\_031877270.1 CGLO|KAF3806806.1 CHIG|XP\_018159532.1 CVYL|A02462 MORY|QBZ64753.1 NCRA|XP\_956690.1

>Orthogroup9751: CFRU|XP\_031877269.1 CGLO|KAF3806832.1 CHIG|XP\_018154948.1 CHIG|XP\_018159527.1 CVIN|KAF4909290.1 CVYL|A02479

>Orthogroup9752: CFRU|XP\_031877102.1 CGLO|KAF3804002.1 CHIG|XP\_018150938.1 CVIN|KAF4925168.1 CVYL|A08799 FGRM|XP\_011325249.1

>Orthogroup9753: CFRU|XP\_031877047.1 CGLO|KAF3805201.1 CHIG|XP\_018152952.1 CVIN|KAF4909087.1 CVYL|A07955 FGRM|XP\_011324275.1

>Orthogroup9754: CFRU|XP\_031877037.1 CFRU|XP\_031877073.1 CGLO|KAF3811109.1 CHIG|XP\_018152940.1 CVIN|KAF4911091.1 CVYL|A07975

>Orthogroup9755: CFRU|XP\_031877083.1 CGLO|KAF3811106.1 CHIG|XP\_018151606.1 CVIN|KAF4911088.1 CVYL|A07978 FGRM|XP\_011324517.1

>Orthogroup9756: CFRU|XP\_031877026.1 CGLO|KAF3811078.1 CHIG|XP\_018153092.1 CVIN|KAF4895032.1 CVYL|A09718 MORY|QBZ58235.1

>Orthogroup9757: CFRU|XP\_031876911.1 CGLO|KAF3799856.1 CGLO|KAF3799857.1 CHIG|XP\_018158116.1 CVIN|KAF4921734.1 CVYL|A09660

>Orthogroup9758: CFRU|XP\_031876905.1 CGLO|KAF3799818.1 CHIG|XP\_018153868.1 CVIN|KAF4907993.1 CVYL|A09690 MORY|QBZ62708.1

>Orthogroup9759: CFRU|XP\_031876850.1 CGLO|KAF3797986.1 CVIN|KAF4914928.1 CVYL|A08368 FGRM|XP\_011322687.1 SSCL|APA06316.1

>Orthogroup9760: CFRU|XP\_031889780.1 CGLO|KAF3810487.1 CHIG|XP\_018156698.1 CVIN|KAF4924635.1 CVYL|A14090 FGRM|XP\_011317199.1

>Orthogroup9761: CFRU|XP\_031889850.1 CGLO|KAF3810542.1 CVIN|KAF4914566.1 CVYL|A08355 CVYL|A08356 CVYL|A13619

>Orthogroup9762: CFRU|XP\_031889831.1 CGLO|KAF3810561.1 CHIG|XP\_018159033.1 CVIN|KAF4892082.1 CVYL|A13639 FGRM|XP\_011321940.1

>Orthogroup9763: CFRU|XP\_031889694.1 CGLO|KAF3810603.1 CHIG|XP\_018157899.1 CVIN|KAF4893860.1 CVYL|A13684 FGRM|XP\_011328262.1

>Orthogroup9764: CFRU|XP\_031889724.1 CGLO|KAF3805934.1 CVIN|KAF4911876.1 CVYL|A13777 MGRA|XP\_003852032.1 MGRA|XP\_003856599.1

>Orthogroup9765: CFRU|XP\_031889744.1 CGLO|KAF3805917.1 CHIG|XP\_018158453.1 CVIN|KAF4898932.1 CVYL|A13792 MORY|QBZ65435.1

>Orthogroup9766: CFRU|XP\_031876796.1 CFRU|XP\_031876797.1 CGLO|KAF3798307.1 CGLO|KAF3800032.1 CVIN|KAF4915228.1 CVYL|A05455

>Orthogroup9767: CFRU|XP\_031876760.1 CGLO|KAF3802367.1 CHIG|XP\_018152518.1 CHIG|XP\_018152582.1 CVIN|KAF4913567.1 CVYL|A03776

>Orthogroup9768: CFRU|XP\_031876692.1 CGLO|KAF3801925.1 CHIG|XP\_018153349.1 CVIN|KAF4918705.1 CVYL|A02363 MORY|QBZ60055.1

>Orthogroup9769: CFRU|XP\_031876650.1 CGLO|KAF3801883.1 CVIN|KAF4913585.1 CVYL|A02327 FGRM|XP\_011323529.1 MORY|QBZ58227.1

>Orthogroup9770: CFRU|XP\_031876591.1 CGLO|KAF3800899.1 CHIG|XP\_018150782.1 CVIN|KAF4907260.1 CVYL|A12436 FGRM|XP\_011322582.1

>Orthogroup9771: CFRU|XP\_031876521.1 CHIG|XP\_018153661.1 CVIN|KAF4929990.1 CVYL|A00386 FGRM|XP\_011317078.1 MORY|QBZ63840.1

>Orthogroup9772: CFRU|XP\_031876479.1 CGLO|KAF3798007.1 CHIG|XP\_018158073.1 CVIN|KAF4915621.1 CVYL|A08347 MORY|QBZ63068.1

>Orthogroup9773: CFRU|XP\_031876427.1 CGLO|KAF3801947.1 CHIG|XP\_018151599.1 CHIG|XP\_018151600.1 CVIN|KAF4896248.1 CVYL|A02381

>Orthogroup9774: CFRU|XP\_031889207.1 CGLO|KAF3808788.1 CHIG|XP\_018155697.1 CVIN|KAF4906826.1 CVYL|A00877 FGRM|XP\_011319332.1

>Orthogroup9775: CFRU|XP\_031889221.1 CGLO|KAF3808735.1 CHIG|XP\_018153778.1 CVIN|KAF4929588.1 CVYL|A00927 MORY|QBZ64256.1

>Orthogroup9776: CFRU|XP\_031889104.1 CGLO|KAF3803084.1 CHIG|XP\_018155585.1 CVIN|KAF4929550.1 CVYL|A00976 FGRM|XP\_011321135.1

>Orthogroup9777: CFRU|XP\_031889111.1 CGLO|KAF3803091.1 CVIN|KAF4920069.1 CVIN|KAF4929556.1 CVYL|A00983 CVYL|A10831

>Orthogroup9778: CFRU|XP\_031889411.1 CGLO|KAF3803111.1 CHIG|XP\_018155606.1 CVIN|KAF4928274.1 CVYL|A00999 FGRM|XP\_011328630.1

>Orthogroup9779: CFRU|XP\_031889138.1 CGLO|KAF3803123.1 CHIG|XP\_018161082.1 CVIN|KAF4928312.1 CVYL|A01012 MORY|QBZ57380.1

>Orthogroup9780: CFRU|XP\_031889115.1 CFRU|XP\_031889237.1 CVIN|KAF4928293.1 CVIN|KAF4928294.1 CVYL|A01046 CVYL|A01047

>Orthogroup9781: CFRU|XP\_031889198.1 CGLO|KAF3797693.1 CGLO|KAF3803171.1 CVIN|KAF4928326.1 CVIN|KAF4928345.1 CVYL|A01059

>Orthogroup9782: CFRU|XP\_031889437.1 CGLO|KAF3797688.1 CHIG|XP\_018155466.1 CVIN|KAF4928281.1 CVYL|A01083 MGRA|XP\_003850279.1

>Orthogroup9783: CFRU|XP\_031876385.1 CGLO|KAF3797774.1 CVIN|KAF4918824.1 CVYL|A02993 MORY|QBZ63529.1 NCRA|XP\_956581.1

>Orthogroup9784: CFRU|XP\_031876282.1 CGLO|KAF3805663.1 CHIG|XP\_018164668.1 CVIN|KAF4925750.1 CVYL|A07533 FGRM|XP\_011325756.1

>Orthogroup9785: CFRU|XP\_031876174.1 CGLO|KAF3808905.1 MORY|QBZ57640.1 MORY|QBZ58394.1 MORY|QBZ64410.1 MORY|QBZ66716.1

>Orthogroup9786: CFRU|XP\_031876146.1 CGLO|KAF3810278.1 CHIG|XP\_018157998.1 CVIN|KAF4918615.1 CVYL|A11264 FGRM|XP\_011322982.1

>Orthogroup9787: CFRU|XP\_031876096.1 CFRU|XP\_031876109.1 CGLO|KAF3807355.1 CGLO|KAF3807356.1 CVIN|KAF4920051.1 CVYL|A10848

>Orthogroup9788: CFRU|XP\_031876101.1 CGLO|KAF3807357.1 CHIG|XP\_018156866.1 CVIN|KAF4920052.1 CVYL|A10849 MGRA|XP\_003849181.1

>Orthogroup9789: CFRU|XP\_031876110.1 CFRU|XP\_031876116.1 CFRU|XP\_031876117.1 CGLO|KAF3807370.1 CVIN|KAF4929543.1 CVYL|A10866

>Orthogroup9790: CGLO|KAF3800768.1 CGLO|KAF3805963.1 CHIG|XP\_018164837.1 CVIN|KAF4917810.1 CVIN|KAF4919658.1 CVYL|A00436

>Orthogroup9791: CGLO|KAF3805851.1 CVYL|A08564 FGRM|XP\_011318144.1 FGRM|XP\_011320569.1 FGRM|XP\_011323117.1 FGRM|XP\_011323118.1

>Orthogroup9792: CHIG|XP\_018151926.1 CHIG|XP\_018154224.1 CHIG|XP\_018159770.1 CHIG|XP\_018161591.1 CHIG|XP\_018162854.1 CHIG|XP\_018162855.1

>Orthogroup9793: CHIG|XP\_018163085.1 FGRM|XP\_011321882.1 MGRA|XP\_003855451.1 MORY|QBZ65328.1 MORY|QBZ65401.1 NCRA|XP\_962127.1

>Orthogroup9794: CHIG|XP\_018160181.1 CHIG|XP\_018160182.1 CHIG|XP\_018161419.1 FGRM|XP\_011327653.1 SSCL|APA10821.1 SSCL|APA15905.1

>Orthogroup9795: CHIG|XP\_018155000.1 FGRM|XP\_011318138.1 FGRM|XP\_011325356.1 FGRM|XP\_011327447.1 MGRA|XP\_003850354.1 NCRA|XP\_963191.1

>Orthogroup9796: CHIG|XP\_018151563.1 CHIG|XP\_018151843.1 CHIG|XP\_018153877.1 CHIG|XP\_018154000.1 MORY|QBZ55032.1 MORY|QBZ60714.1

>Orthogroup9797: FGRM|XP\_011318219.1 FGRM|XP\_011318283.1 FGRM|XP\_011325422.1 FGRM|XP\_011327448.1 FGRM|XP\_011327549.1 FGRM|XP\_011328574.1

>Orthogroup9798: FGRM|XP\_011325145.1 NCRA|XP\_955889.2 NCRA|XP\_958850.3 NCRA|XP\_958851.1 NCRA|XP\_958917.3 NCRA|XP\_962500.2

>Orthogroup9799: FGRM|XP\_011325939.1 MLAR|XP\_007410594.1 MLAR|XP\_007412610.1 MLAR|XP\_007414702.1 MLAR|XP\_007416320.1 MLAR|XP\_007416971.1

>Orthogroup9800: MGRA|XP\_003850563.1 MGRA|XP\_003850572.1 MGRA|XP\_003850596.1 MGRA|XP\_003853370.1 MGRA|XP\_003853629.1 MGRA|XP\_003856507.1

>Orthogroup9801: MGRA|XP\_003849053.1 MGRA|XP\_003849286.1 MGRA|XP\_003849822.1 MGRA|XP\_003849823.1 MGRA|XP\_003849824.1 MGRA|XP\_003851834.1

>Orthogroup9802: MGRA|XP\_003851011.1 MGRA|XP\_003851012.1 MGRA|XP\_003851013.1 MGRA|XP\_003851014.1 MGRA|XP\_003851015.1 MGRA|XP\_003851016.1

>Orthogroup9803: MGRA|XP\_003850895.1 MGRA|XP\_003850897.1 MGRA|XP\_003850966.1 MGRA|XP\_003850967.1 MGRA|XP\_003850968.1 MGRA|XP\_003850969.1

>Orthogroup9804: MGRA|XP\_003847549.1 MGRA|XP\_003847550.1 MGRA|XP\_003847551.1 MGRA|XP\_003847552.1 MGRA|XP\_003847556.1 MGRA|XP\_003847677.1

>Orthogroup9805: MGRA|XP\_003846911.1 MGRA|XP\_003846978.1 MGRA|XP\_003847037.1 MGRA|XP\_003847401.1 MGRA|XP\_003847404.1 MGRA|XP\_003847500.1

>Orthogroup9806: MGRA|XP\_003846914.1 MGRA|XP\_003847121.1 MGRA|XP\_003847163.1 MGRA|XP\_003847207.1 MGRA|XP\_003847250.1 MGRA|XP\_003847451.1

>Orthogroup9807: MGRA|XP\_003846883.1 MGRA|XP\_003846927.1 MGRA|XP\_003846995.1 MGRA|XP\_003847103.1 MGRA|XP\_003847296.1 MGRA|XP\_003847363.1

>Orthogroup9808: MGRA|XP\_003846862.1 MGRA|XP\_003847047.1 MGRA|XP\_003847114.1 MGRA|XP\_003847213.1 MGRA|XP\_003847220.1 MGRA|XP\_003847340.1

>Orthogroup9809: MLAR|XP\_007403611.1 MLAR|XP\_007406561.1 MLAR|XP\_007407273.1 MLAR|XP\_007410281.1 MLAR|XP\_007416432.1 MLAR|XP\_007416806.1

>Orthogroup9810: MLAR|XP\_007404306.1 MLAR|XP\_007404469.1 MLAR|XP\_007407934.1 MLAR|XP\_007410473.1 MLAR|XP\_007410504.1 MLAR|XP\_007415265.1

>Orthogroup9811: MLAR|XP\_007404344.1 MLAR|XP\_007406132.1 MLAR|XP\_007409555.1 MLAR|XP\_007414188.1 MLAR|XP\_007414227.1 MLAR|XP\_007416443.1

>Orthogroup9812: MLAR|XP\_007404487.1 MLAR|XP\_007404569.1 MLAR|XP\_007415734.1 MLAR|XP\_007416187.1 MLAR|XP\_007418808.1 MLAR|XP\_007419401.1

>Orthogroup9813: MLAR|XP\_007405442.1 MLAR|XP\_007406776.1 MLAR|XP\_007407029.1 MLAR|XP\_007416845.1 MLAR|XP\_007417956.1 MLAR|XP\_007419617.1

>Orthogroup9814: MLAR|XP\_007404934.1 MLAR|XP\_007410753.1 MLAR|XP\_007411726.1 MLAR|XP\_007417600.1 MLAR|XP\_007418938.1 MLAR|XP\_007418950.1

>Orthogroup9815: MLAR|XP\_007404952.1 MLAR|XP\_007405073.1 MLAR|XP\_007411077.1 MLAR|XP\_007414086.1 MLAR|XP\_007416037.1 MLAR|XP\_007418276.1

>Orthogroup9816: MLAR|XP\_007404970.1 MLAR|XP\_007405692.1 MLAR|XP\_007406655.1 MLAR|XP\_007407513.1 MLAR|XP\_007414857.1 MLAR|XP\_007417088.1

>Orthogroup9817: MLAR|XP\_007405393.1 MLAR|XP\_007408513.1 MLAR|XP\_007412518.1 MLAR|XP\_007417619.1 MLAR|XP\_007417648.1 MLAR|XP\_007417649.1

>Orthogroup9818: MLAR|XP\_007405030.1 MLAR|XP\_007408629.1 MLAR|XP\_007408631.1 MLAR|XP\_007408851.1 MLAR|XP\_007408865.1 MLAR|XP\_007419349.1

>Orthogroup9819: MLAR|XP\_007405041.1 MLAR|XP\_007405078.1 MLAR|XP\_007406755.1 MLAR|XP\_007414708.1 MLAR|XP\_007417516.1 MLAR|XP\_007418098.1

>Orthogroup9820: MLAR|XP\_007405104.1 MLAR|XP\_007406786.1 MLAR|XP\_007407982.1 MLAR|XP\_007408858.1 MLAR|XP\_007416112.1 MLAR|XP\_007417701.1

>Orthogroup9821: MLAR|XP\_007405228.1 MLAR|XP\_007406595.1 MLAR|XP\_007407164.1 MLAR|XP\_007407292.1 MLAR|XP\_007417099.1 MLAR|XP\_007418388.1

>Orthogroup9822: MLAR|XP\_007405216.1 MLAR|XP\_007412439.1 MLAR|XP\_007414080.1 MLAR|XP\_007416738.1 MLAR|XP\_007417329.1 MLAR|XP\_007417801.1

>Orthogroup9823: MLAR|XP\_007405166.1 MLAR|XP\_007410152.1 MLAR|XP\_007415513.1 MLAR|XP\_007416259.1 MLAR|XP\_007416363.1 MLAR|XP\_007416528.1

>Orthogroup9824: MLAR|XP\_007405657.1 MLAR|XP\_007405679.1 MLAR|XP\_007406255.1 MLAR|XP\_007408770.1 MLAR|XP\_007414049.1 MLAR|XP\_007415499.1

>Orthogroup9825: MLAR|XP\_007406356.1 MLAR|XP\_007407684.1 MLAR|XP\_007407686.1 MLAR|XP\_007414182.1 MLAR|XP\_007418046.1 MLAR|XP\_007418078.1

>Orthogroup9826: MLAR|XP\_007406377.1 MLAR|XP\_007407384.1 MLAR|XP\_007411743.1 MLAR|XP\_007411903.1 MLAR|XP\_007411979.1 MLAR|XP\_007418711.1

>Orthogroup9827: MLAR|XP\_007406641.1 MLAR|XP\_007406642.1 MLAR|XP\_007407511.1 MLAR|XP\_007411520.1 MLAR|XP\_007411731.1 MLAR|XP\_007419373.1

>Orthogroup9828: MLAR|XP\_007406784.1 MLAR|XP\_007406785.1 MLAR|XP\_007407343.1 MLAR|XP\_007408153.1 MLAR|XP\_007418280.1 MLAR|XP\_007418292.1

>Orthogroup9829: MLAR|XP\_007406999.1 MLAR|XP\_007408552.1 MLAR|XP\_007411897.1 MLAR|XP\_007418444.1 MLAR|XP\_007419204.1 MLAR|XP\_007419233.1

>Orthogroup9830: MLAR|XP\_007407636.1 MLAR|XP\_007407637.1 MLAR|XP\_007413272.1 MLAR|XP\_007413273.1 MLAR|XP\_007419595.1 MLAR|XP\_007419596.1

>Orthogroup9831: MLAR|XP\_007407547.1 MLAR|XP\_007411027.1 MLAR|XP\_007411028.1 MLAR|XP\_007411029.1 MLAR|XP\_007412634.1 MLAR|XP\_007415077.1

>Orthogroup9832: MLAR|XP\_007408277.1 MLAR|XP\_007411259.1 MLAR|XP\_007411303.1 MLAR|XP\_007411307.1 MLAR|XP\_007411350.1 MLAR|XP\_007417871.1

>Orthogroup9833: MLAR|XP\_007408080.1 MLAR|XP\_007408083.1 MLAR|XP\_007411010.1 MLAR|XP\_007411173.1 MLAR|XP\_007411212.1 MLAR|XP\_007415691.1

>Orthogroup9834: MLAR|XP\_007408487.1 MLAR|XP\_007408613.1 MLAR|XP\_007409517.1 MLAR|XP\_007411851.1 MLAR|XP\_007416446.1 MLAR|XP\_007418018.1

>Orthogroup9835: MLAR|XP\_007408791.1 MLAR|XP\_007410196.1 MLAR|XP\_007411793.1 MLAR|XP\_007412589.1 MLAR|XP\_007415051.1 MLAR|XP\_007417993.1

>Orthogroup9836: MLAR|XP\_007409101.1 MLAR|XP\_007409806.1 MLAR|XP\_007411138.1 MLAR|XP\_007411139.1 MLAR|XP\_007411143.1 MLAR|XP\_007418395.1

>Orthogroup9837: MLAR|XP\_007410121.1 MLAR|XP\_007412392.1 MLAR|XP\_007412755.1 MLAR|XP\_007413814.1 MLAR|XP\_007416642.1 MLAR|XP\_007418850.1

>Orthogroup9838: MLAR|XP\_007410585.1 MLAR|XP\_007410586.1 MLAR|XP\_007410587.1 MLAR|XP\_007410588.1 MLAR|XP\_007410589.1 MLAR|XP\_007410590.1

>Orthogroup9839: MLAR|XP\_007411413.1 MLAR|XP\_007412099.1 MLAR|XP\_007412728.1 MLAR|XP\_007413390.1 MLAR|XP\_007413484.1 MLAR|XP\_007418672.1

>Orthogroup9840: MLAR|XP\_007411288.1 MLAR|XP\_007411289.1 MLAR|XP\_007411290.1 MLAR|XP\_007415372.1 MLAR|XP\_007415375.1 MLAR|XP\_007419747.1

>Orthogroup9841: MLAR|XP\_007412351.1 MLAR|XP\_007414342.1 MLAR|XP\_007414379.1 MLAR|XP\_007414381.1 MLAR|XP\_007416585.1 MLAR|XP\_007417696.1

>Orthogroup9842: MLAR|XP\_007413022.1 MLAR|XP\_007413023.1 MLAR|XP\_007413024.1 MLAR|XP\_007413026.1 MLAR|XP\_007413046.1 MLAR|XP\_007413103.1

>Orthogroup9843: MLAR|XP\_007415537.1 MLAR|XP\_007417443.1 MLAR|XP\_007417444.1 MLAR|XP\_007419019.1 MLAR|XP\_007419047.1 MLAR|XP\_007419458.1

>Orthogroup9844: MLAR|XP\_007417396.1 MLAR|XP\_007417397.1 MLAR|XP\_007417399.1 MLAR|XP\_007418864.1 MLAR|XP\_007418865.1 MLAR|XP\_007418866.1

>Orthogroup9845: MORY|QBZ53289.1 MORY|QBZ60076.1 MORY|QBZ66707.1 MORY|QBZ66708.1 MORY|QBZ66728.1 MORY|QBZ66740.1

>Orthogroup9846: MORY|QBZ54106.1 MORY|QBZ55039.1 MORY|QBZ55391.1 MORY|QBZ55392.1 MORY|QBZ60237.1 MORY|QBZ62277.1

>Orthogroup9847: MORY|QBZ54361.1 MORY|QBZ57592.1 MORY|QBZ57648.1 MORY|QBZ57649.1 MORY|QBZ58522.1 MORY|QBZ66594.1

>Orthogroup9848: MORY|QBZ54812.1 MORY|QBZ56255.1 MORY|QBZ58139.1 MORY|QBZ60507.1 MORY|QBZ63124.1 MORY|QBZ66456.1

>Orthogroup9849: MORY|QBZ56822.1 MORY|QBZ61748.1 MORY|QBZ64412.1 MORY|QBZ66264.1 MORY|QBZ66442.1 MORY|QBZ66549.1

>Orthogroup9850: MORY|QBZ58964.1 MORY|QBZ63311.1 MORY|QBZ65254.1 NCRA|XP\_960557.2 NCRA|XP\_963402.2 NCRA|XP\_965504.2

>Orthogroup9851: NCRA|XP\_957946.2 NCRA|XP\_959330.1 NCRA|XP\_959331.1 NCRA|XP\_959332.1 NCRA|XP\_959334.1 NCRA|XP\_959335.1

>Orthogroup9852: NCRA|XP\_962044.1 NCRA|XP\_962045.2 NCRA|XP\_962046.1 NCRA|XP\_962047.2 NCRA|XP\_962050.2 NCRA|XP\_962182.3

>Orthogroup9853: NCRA|XP\_957077.1 NCRA|XP\_957083.1 NCRA|XP\_957088.1 NCRA|XP\_957092.1 NCRA|XP\_957094.2 NCRA|XP\_957096.3

>Orthogroup9854: NCRA|XP\_958223.1 NCRA|XP\_958224.1 NCRA|XP\_958225.1 NCRA|XP\_959700.3 NCRA|XP\_959701.1 NCRA|XP\_959702.1

>Orthogroup9855: SSCL|APA08588.1 SSCL|APA08589.1 SSCL|APA08976.1 SSCL|APA11287.1 SSCL|APA13351.1 SSCL|APA13382.1

>Orthogroup9856: SSCL|APA08598.1 SSCL|APA11285.1 SSCL|APA13353.1 SSCL|APA15666.1 SSCL|APA15799.1 SSCL|APA15800.1

>Orthogroup9857: ANID|CBF69408.1 ANID|CBF86715.1 CVYL|A12426 MORY|QBZ58550.1 MORY|QBZ63593.1

>Orthogroup9858: ANID|CBF69419.1 BCIN|XP\_001560260.1 MGRA|XP\_003848578.1 MGRA|XP\_003850643.1 SSCL|APA15954.1

>Orthogroup9859: ANID|CBF69485.1 ANID|CBF82059.1 BGRA|VCU40492.1 CHIG|XP\_018155459.1 MORY|QBZ65960.1

>Orthogroup9860: ANID|CBF69525.1 CHIG|XP\_018160191.1 FGRM|XP\_011321454.1 FGRM|XP\_011322563.1 MORY|QBZ57546.1

>Orthogroup9861: ANID|CBF69625.1 CFRU|XP\_031880170.1 CGLO|KAF3797726.1 CVYL|A11424 FGRM|XP\_011325180.1

>Orthogroup9862: ANID|CBF69813.1 BCIN|XP\_024549648.1 BGRA|VCU40176.1 MGRA|XP\_003848764.1 SSCL|APA06194.1

>Orthogroup9863: ANID|CBF70261.1 ANID|CBF89382.1 ANID|CBF89705.1 BCIN|XP\_001553898.1 SSCL|APA13051.1

>Orthogroup9864: ANID|CBF70506.1 FGRM|XP\_011319728.1 MLAR|XP\_007407623.1 MLAR|XP\_007414323.1 MLAR|XP\_007417247.1

>Orthogroup9865: ANID|CBF70597.1 CFRU|XP\_031877461.1 CGLO|KAF3798424.1 CVIN|KAF4920032.1 CVYL|A11213

>Orthogroup9866: ANID|CBF70785.1 BCIN|XP\_001550762.1 BGRA|VDB94485.1 MGRA|XP\_003852231.1 SSCL|APA15282.1

>Orthogroup9867: ANID|CBF71029.1 BCIN|XP\_001555766.1 BCIN|XP\_024547599.1 SSCL|APA07805.1 SSCL|APA10128.1

>Orthogroup9868: ANID|CBF71258.1 ANID|CBF71474.1 ANID|CBF75356.1 ANID|CBF78886.1 ANID|CBF84328.1

>Orthogroup9869: ANID|CBF71416.1 FGRM|XP\_011318212.1 FGRM|XP\_011326058.1 FGRM|XP\_011328304.1 MGRA|XP\_003852840.1

>Orthogroup9870: ANID|CBF71501.1 CFRU|XP\_031878573.1 CGLO|KAF3803335.1 CVIN|KAF4919286.1 CVYL|A03778

>Orthogroup9871: ANID|CBF71593.1 ANID|CBF80250.1 ANID|CBF80255.1 ANID|CBF82190.1 ANID|CBF89813.1

>Orthogroup9872: ANID|CBF71712.1 BCIN|XP\_024547798.1 MGRA|XP\_003854897.1 MLAR|XP\_007412252.1 SSCL|APA08068.1

>Orthogroup9873: ANID|CBF71752.1 ANID|CBF75400.1 BCIN|XP\_001552139.1 CHIG|XP\_018163340.1 FGRM|XP\_011319693.1

>Orthogroup9874: ANID|CBF71790.1 CFRU|XP\_031878297.1 CGLO|KAF3798109.1 CVYL|A08250 FGRM|XP\_011321765.1

>Orthogroup9875: ANID|CBF73463.1 ANID|CBF77053.1 FGRM|XP\_011320567.1 FGRM|XP\_011326622.1 FGRM|XP\_011328729.1

>Orthogroup9876: ANID|CBF73676.1 CFRU|XP\_031878745.1 CGLO|KAF3798367.1 CVIN|KAF4923571.1 CVYL|A09004

>Orthogroup9877: ANID|CBF74100.1 BCIN|XP\_001558223.1 BGRA|VCU40494.1 MGRA|XP\_003850252.1 SSCL|APA13642.1

>Orthogroup9878: ANID|CBF74160.1 BCIN|XP\_024547310.1 BGRA|VDB86295.1 NCRA|XP\_962755.1 SSCL|APA14278.1

>Orthogroup9879: ANID|CBF74239.1 BCIN|XP\_024551242.1 BGRA|VCU41115.1 MGRA|XP\_003852159.1 SSCL|APA10322.1

>Orthogroup9880: ANID|CBF74384.1 BCIN|XP\_001549347.1 BGRA|VDB95118.1 MGRA|XP\_003853941.1 SSCL|APA06408.1

>Orthogroup9881: ANID|CBF74531.1 CFRU|XP\_031879960.1 CHIG|XP\_018152917.1 CVIN|KAF4923482.1 CVYL|A07933

>Orthogroup9882: ANID|CBF74591.1 CFRU|XP\_031877473.1 CGLO|KAF3797529.1 CVIN|KAF4921645.1 CVYL|A01978

>Orthogroup9883: ANID|CBF74687.1 BCIN|XP\_024549514.1 MORY|QBZ53550.1 NCRA|XP\_962942.1 SSCL|APA09127.1

>Orthogroup9884: ANID|CBF74691.1 CFRU|XP\_031891777.1 CGLO|KAF3801397.1 CHIG|XP\_018164783.1 CVYL|A07685

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>Orthogroup9886: ANID|CBF75142.1 ANID|CBF80504.1 ANID|CBF83016.1 ANID|CBF84225.1 MORY|QBZ65424.1

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>Orthogroup9888: ANID|CBF75394.1 BCIN|XP\_001556316.1 FGRM|XP\_011327417.1 MGRA|XP\_003856926.1 SSCL|APA15704.1

>Orthogroup9889: ANID|CBF75878.1 ANID|CBF82088.1 CFRU|XP\_031884434.1 CGLO|KAF3799093.1 FGRM|XP\_011328664.1

>Orthogroup9890: ANID|CBF75888.1 FGRM|XP\_011327755.1 MGRA|XP\_003855295.1 MLAR|XP\_007414017.1 MORY|QBZ64030.1

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>Orthogroup9892: ANID|CBF76078.1 BCIN|XP\_024548944.1 CFRU|XP\_031880883.1 CVIN|KAF4894671.1 FGRM|XP\_011323439.1

>Orthogroup9893: ANID|CBF76139.1 CGLO|KAF3798826.1 CHIG|XP\_018153107.1 CHIG|XP\_018158991.1 CHIG|XP\_018160294.1

>Orthogroup9894: ANID|CBF76151.1 CFRU|XP\_031892902.1 CGLO|KAF3806821.1 CGLO|KAF3809598.1 NCRA|XP\_958172.3

>Orthogroup9895: ANID|CBF76227.1 ANID|CBF80405.1 CHIG|XP\_018152515.1 CHIG|XP\_018161701.1 CVYL|A07463

>Orthogroup9896: ANID|CBF77120.1 CHIG|XP\_018160082.1 FGRM|XP\_011323304.1 MORY|QBZ56849.1 NCRA|XP\_960142.1

>Orthogroup9897: ANID|CBF77160.1 CFRU|XP\_031875696.1 CGLO|KAF3798114.1 CVIN|KAF4927994.1 CVYL|A08245

>Orthogroup9898: ANID|CBF77485.1 BCIN|XP\_024546202.1 BGRA|VDB90711.1 MGRA|XP\_003850595.1 SSCL|APA07025.1

>Orthogroup9899: ANID|CBF77718.1 ANID|CBF86128.1 CFRU|XP\_031881487.1 CGLO|KAF3805799.1 CVYL|A06022

>Orthogroup9900: ANID|CBF77890.1 BCIN|XP\_001560652.1 BGRA|VCU38760.1 MLAR|XP\_007417168.1 SSCL|APA07949.1

>Orthogroup9901: ANID|CBF78037.1 CFRU|XP\_031892197.1 CGLO|KAF3801328.1 CVIN|KAF4910761.1 CVYL|A07759

>Orthogroup9902: ANID|CBF78039.1 CFRU|XP\_031892198.1 CGLO|KAF3801327.1 CVIN|KAF4910758.1 CVYL|A07760

>Orthogroup9903: ANID|CBF78275.1 BCIN|XP\_024547915.1 BGRA|VDB94849.1 MGRA|XP\_003855067.1 SSCL|APA08235.1

>Orthogroup9904: ANID|CBF78816.1 CFRU|XP\_031888799.1 CGLO|KAF3799271.1 CVYL|A10162 FGRM|XP\_011326242.1

>Orthogroup9905: ANID|CBF78970.1 BCIN|XP\_001557065.1 CFRU|XP\_031878255.1 CVYL|A08283 SSCL|APA08512.1

>Orthogroup9906: ANID|CBF79156.1 CFRU|XP\_031882446.1 CGLO|KAF3809421.1 CVIN|KAF4916317.1 CVYL|A03090

>Orthogroup9907: ANID|CBF79286.1 BCIN|XP\_001547056.1 BGRA|VDB93885.1 MGRA|XP\_003854363.1 SSCL|APA05950.1

>Orthogroup9908: ANID|CBF80091.1 BCIN|XP\_024550394.1 MGRA|XP\_003857569.1 NCRA|XP\_001728353.2 SSCL|APA11089.1

>Orthogroup9909: ANID|CBF80134.1 CFRU|XP\_031875842.1 CGLO|KAF3805558.1 FGRM|XP\_011318349.1 FGRM|XP\_011321948.1

>Orthogroup9910: ANID|CBF80216.1 ANID|CBF80221.1 ANID|CBF81144.1 ANID|CBF87233.1 ANID|CBF89250.1

>Orthogroup9911: ANID|CBF80281.1 ANID|CBF88056.1 CHIG|XP\_018156571.1 FGRM|XP\_011321969.1 MORY|QBZ63360.1

>Orthogroup9912: ANID|CBF80387.1 BCIN|XP\_024549378.1 BGRA|VCU40457.1 BGRA|VCU40467.1 SSCL|APA08952.1

>Orthogroup9913: ANID|CBF80491.1 CFRU|XP\_031878786.1 CVIN|KAF4905509.1 CVIN|KAF4905514.1 CVYL|A01909

>Orthogroup9914: ANID|CBF80550.1 BCIN|XP\_024550256.1 BCIN|XP\_024551111.1 SSCL|APA11309.1 SSCL|APA12059.1

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>Orthogroup9916: ANID|CBF80678.1 MGRA|XP\_003848941.1 MLAR|XP\_007404443.1 MLAR|XP\_007415234.1 MLAR|XP\_007415235.1

>Orthogroup9917: ANID|CBF81634.1 BCIN|XP\_024547119.1 BGRA|VDB83942.1 MGRA|XP\_003857352.1 SSCL|APA14018.1

>Orthogroup9918: ANID|CBF81708.1 BCIN|XP\_024548021.1 FGRM|XP\_011328418.1 MGRA|XP\_003852890.1 SSCL|APA08311.1

>Orthogroup9919: ANID|CBF81841.1 CHIG|XP\_018161566.1 CVIN|KAF4917801.1 MORY|QBZ62886.1 SSCL|APA16267.1

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>Orthogroup9924: ANID|CBF82240.1 ANID|CBF87228.1 FGRM|XP\_011316475.1 MORY|QBZ58577.1 MORY|QBZ63304.1

>Orthogroup9925: ANID|CBF82350.1 ANID|CBF82922.1 ANID|CBF82945.1 MORY|QBZ61662.1 NCRA|XP\_957475.1

>Orthogroup9926: ANID|CBF82418.1 CFRU|XP\_031888634.1 CGLO|KAF3804267.1 CVIN|KAF4909066.1 CVYL|A03949

>Orthogroup9927: ANID|CBF83209.1 ANID|CBF84613.1 CFRU|XP\_031893479.1 CGLO|KAF3809607.1 CVIN|KAF4919213.1

>Orthogroup9928: ANID|CBF83548.1 BCIN|XP\_024552793.1 MGRA|XP\_003853479.1 MORY|QBZ64217.1 SSCL|APA16051.1

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>Orthogroup9935: ANID|CBF84233.1 ANID|CBF90294.1 BCIN|XP\_024546116.1 MGRA|XP\_003848143.1 MGRA|XP\_003850135.1

>Orthogroup9936: ANID|CBF84456.1 CFRU|XP\_031879345.1 CGLO|KAF3808570.1 CVIN|KAF4906483.1 CVYL|A11574

>Orthogroup9937: ANID|CBF84465.1 BCIN|XP\_001559281.2 MGRA|XP\_003849236.1 MGRA|XP\_003851094.1 MGRA|XP\_003851952.1

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>Orthogroup9946: ANID|CBF85631.1 CFRU|XP\_031880199.1 CGLO|KAF3809025.1 CVIN|KAF4917999.1 CVYL|A01599

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>Orthogroup9953: ANID|CBF87371.1 BCIN|XP\_024546017.1 FGRM|XP\_011318336.1 FGRM|XP\_011322615.1 SSCL|APA07310.1

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>Orthogroup9955: ANID|CBF87824.1 BCIN|XP\_024546515.1 MGRA|XP\_003856763.1 MORY|QBZ59477.1 SSCL|APA06733.1

>Orthogroup9956: ANID|CBF88590.1 CFRU|XP\_031883766.1 CGLO|KAF3797445.1 CHIG|XP\_018162203.1 CVYL|A09879

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>Orthogroup9962: ANID|CBF89680.1 CFRU|XP\_031886841.1 CHIG|XP\_018160581.1 CVIN|KAF4921045.1 NCRA|XP\_011394576.1

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>Orthogroup9983: BCIN|XP\_001552964.1 BCIN|XP\_001559297.1 CGLO|KAF3798338.1 MGRA|XP\_003855298.1 SSCL|APA10681.1

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>Orthogroup9985: BCIN|XP\_001550611.1 CFRU|XP\_031893560.1 CGLO|KAF3809532.1 CVIN|KAF4918550.1 CVYL|A08489

>Orthogroup9986: BCIN|XP\_024547285.1 CHIG|XP\_018152331.1 MGRA|XP\_003848126.1 MORY|QBZ59434.1 SSCL|APA14243.1

>Orthogroup9987: BCIN|XP\_001556327.1 BCIN|XP\_024547312.1 BCIN|XP\_024552612.1 SSCL|APA08738.1 SSCL|APA14282.1

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>Orthogroup9995: BCIN|XP\_024548213.1 CHIG|XP\_018153288.1 MGRA|XP\_003849606.1 MGRA|XP\_003854867.1 SSCL|APA12466.1

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>Orthogroup10018: BCIN|XP\_024550228.1 CFRU|XP\_031891735.1 CGLO|KAF3800086.1 FGRM|XP\_011326780.1 SSCL|APA10897.1

>Orthogroup10019: BCIN|XP\_001550154.1 MORY|QBZ62379.1 MORY|QBZ63144.1 NCRA|XP\_959971.2 SSCL|APA11350.1

>Orthogroup10020: BCIN|XP\_001552640.2 CHIG|XP\_018160127.1 FGRM|XP\_011319339.1 FGRM|XP\_011319371.1 SSCL|APA11472.1

>Orthogroup10021: BCIN|XP\_024550842.1 CFRU|XP\_031882153.1 CHIG|XP\_018160286.1 CVIN|KAF4930939.1 CVYL|A04170

>Orthogroup10022: BCIN|XP\_001551765.1 BCIN|XP\_001551766.1 BCIN|XP\_001551771.2 BCIN|XP\_001551781.1 SSCL|APA11988.1

>Orthogroup10023: BCIN|XP\_024551082.1 CFRU|XP\_031887809.1 CGLO|KAF3802248.1 CVIN|KAF4914864.1 CVYL|A03151

>Orthogroup10024: BCIN|XP\_024551353.1 CFRU|XP\_031893074.1 CGLO|KAF3808381.1 CVIN|KAF4916846.1 CVYL|A09541

>Orthogroup10025: BCIN|XP\_001550420.2 CFRU|XP\_031891790.1 CGLO|KAF3801339.1 CVIN|KAF4910745.1 CVYL|A07745

>Orthogroup10026: BCIN|XP\_001556819.1 MGRA|XP\_003854694.1 MORY|QBZ63513.1 NCRA|XP\_957917.1 SSCL|APA14596.1

>Orthogroup10027: BCIN|XP\_024551949.1 BCIN|XP\_024553653.1 CFRU|XP\_031883501.1 CVIN|KAF4920414.1 CVYL|A06067

>Orthogroup10028: BCIN|XP\_024552059.1 FGRM|XP\_011325259.1 FGRM|XP\_011327603.1 NCRA|XP\_960726.1 SSCL|APA12831.1

>Orthogroup10029: BCIN|XP\_001550295.1 BCIN|XP\_024553615.1 FGRM|XP\_011320746.1 FGRM|XP\_011322865.1 NCRA|XP\_960048.1

>Orthogroup10030: BCIN|XP\_024552241.1 CHIG|XP\_018159732.1 FGRM|XP\_011319404.1 MGRA|XP\_003848142.1 NCRA|XP\_958778.1

>Orthogroup10031: BCIN|XP\_024552417.1 FGRM|XP\_011317475.1 FGRM|XP\_011323336.1 MGRA|XP\_003851685.1 SSCL|APA14977.1

>Orthogroup10032: BCIN|XP\_001555326.2 CGLO|KAF3801735.1 MORY|QBZ55471.1 NCRA|XP\_011395040.1 SSCL|APA08616.1

>Orthogroup10033: BCIN|XP\_001555297.1 BCIN|XP\_024552648.1 SSCL|APA07452.1 SSCL|APA07453.1 SSCL|APA08308.1

>Orthogroup10034: BCIN|XP\_001555233.1 FGRM|XP\_011325647.1 NCRA|XP\_956531.2 SSCL|APA07990.1 SSCL|APA15618.1

>Orthogroup10035: BCIN|XP\_001554825.1 FGRM|XP\_011319654.1 MORY|QBZ64695.1 NCRA|XP\_960182.3 SSCL|APA15530.1

>Orthogroup10036: BCIN|XP\_024552706.1 MLAR|XP\_007410125.1 MLAR|XP\_007410130.1 NCRA|XP\_959154.3 SSCL|APA15466.1

>Orthogroup10037: BCIN|XP\_001552869.2 CFRU|XP\_031883009.1 CGLO|KAF3800747.1 CVIN|KAF4919654.1 CVYL|A00457

>Orthogroup10038: BCIN|XP\_001545820.1 CFRU|XP\_031878553.1 CGLO|KAF3798506.1 FGRM|XP\_011320583.1 SSCL|APA16311.1

>Orthogroup10039: BCIN|XP\_001547954.1 CFRU|XP\_031884652.1 CGLO|KAF3796980.1 CVIN|KAF4913290.1 SSCL|APA13598.1

>Orthogroup10040: BCIN|XP\_001547437.1 FGRM|XP\_011317241.1 MLAR|XP\_007403484.1 NCRA|XP\_957163.1 SSCL|APA13516.1

>Orthogroup10041: BCIN|XP\_001549714.1 CFRU|XP\_031893283.1 CGLO|KAF3800775.1 CHIG|XP\_018163014.1 CVIN|KAF4922488.1

>Orthogroup10042: BCIN|XP\_024553570.1 CFRU|XP\_031880856.1 CGLO|KAF3806850.1 CHIG|XP\_018163192.1 CVYL|A02498

>Orthogroup10043: BCIN|XP\_001553338.1 CFRU|XP\_031884072.1 CGLO|KAF3805006.1 CGLO|KAF3808034.1 FGRM|XP\_011319854.1

>Orthogroup10044: BCIN|XP\_024553852.1 MGRA|XP\_003848970.1 MGRA|XP\_003852502.1 MGRA|XP\_003853968.1 NCRA|XP\_958312.1

>Orthogroup10045: BCIN|XP\_001547793.2 CFRU|XP\_031875499.1 CFRU|XP\_031875516.1 MGRA|XP\_003847063.1 SSCL|APA15429.1

>Orthogroup10046: BCIN|XP\_024553996.1 CGLO|KAF3798305.1 CHIG|XP\_018151445.1 CHIG|XP\_018156245.1 SSCL|APA15384.1

>Orthogroup10047: BGRA|VCU38757.1 BGRA|VCU41269.1 BGRA|VCU41271.1 BGRA|VCU41272.1 BGRA|VCU41278.1

>Orthogroup10048: BGRA|VCU38811.1 BGRA|VDB84231.1 BGRA|VDB86192.1 BGRA|VDB89390.1 BGRA|VDB89756.1

>Orthogroup10049: BGRA|VCU39593.1 BGRA|VCU39738.1 BGRA|VCU40031.1 BGRA|VDB86082.1 BGRA|VDB87965.1

>Orthogroup10050: BGRA|VCU40076.1 BGRA|VDB89496.1 BGRA|VDB89843.1 BGRA|VDB90486.1 BGRA|VDB91351.1

>Orthogroup10051: BGRA|VCU40274.1 BGRA|VCU40782.1 BGRA|VDB84203.1 BGRA|VDB90519.1 BGRA|VDB94850.1

>Orthogroup10052: BGRA|VCU40463.1 BGRA|VCU41206.1 BGRA|VCU41293.1 CGLO|KAF3798304.1 MORY|QBZ54971.1

>Orthogroup10053: BGRA|VCU40616.1 BGRA|VCU40702.1 BGRA|VDB89034.1 BGRA|VDB92727.1 BGRA|VDB92843.1

>Orthogroup10054: BGRA|VCU40656.1 BGRA|VCU40965.1 BGRA|VCU40966.1 BGRA|VDB87653.1 BGRA|VDB96360.1

>Orthogroup10055: BGRA|VCU40856.1 BGRA|VCU41028.1 BGRA|VDB84187.1 BGRA|VDB90764.1 BGRA|VDB93458.1

>Orthogroup10056: BGRA|VDB85720.1 BGRA|VDB85970.1 BGRA|VDB86109.1 BGRA|VDB86180.1 BGRA|VDB96302.1

>Orthogroup10057: BGRA|VDB85823.1 BGRA|VDB88036.1 BGRA|VDB89928.1 BGRA|VDB90761.1 BGRA|VDB92986.1

>Orthogroup10058: BGRA|VDB88741.1 BGRA|VDB88765.1 BGRA|VDB88771.1 BGRA|VDB88777.1 BGRA|VDB90742.1

>Orthogroup10059: BGRA|VDB93709.1 BGRA|VDB93752.1 BGRA|VDB93764.1 BGRA|VDB93772.1 BGRA|VDB93788.1

>Orthogroup10060: CFRU|XP\_031892939.1 CGLO|KAF3800780.1 CHIG|XP\_018150862.1 CVIN|KAF4922485.1 CVYL|A08770

>Orthogroup10061: CFRU|XP\_031892940.1 CGLO|KAF3800781.1 CHIG|XP\_018150888.1 CVIN|KAF4922452.1 CVYL|A08769

>Orthogroup10062: CFRU|XP\_031893231.1 CGLO|KAF3800806.1 CHIG|XP\_018156532.1 CVIN|KAF4922502.1 CVYL|A08745

>Orthogroup10063: CFRU|XP\_031893618.1 CGLO|KAF3800818.1 CHIG|XP\_018161361.1 CVIN|KAF4922467.1 CVYL|A08731

>Orthogroup10064: CFRU|XP\_031893023.1 CGLO|KAF3800836.1 CHIG|XP\_018150875.1 CVIN|KAF4922514.1 CVYL|A08712

>Orthogroup10065: CFRU|XP\_031893243.1 CGLO|KAF3800856.1 CHIG|XP\_018150850.1 CVIN|KAF4915561.1 CVYL|A11095

>Orthogroup10066: CFRU|XP\_031893541.1 CGLO|KAF3808115.1 CHIG|XP\_018152815.1 CVIN|KAF4920611.1 CVYL|A08119

>Orthogroup10067: CFRU|XP\_031893540.1 CGLO|KAF3808114.1 CHIG|XP\_018152814.1 CVIN|KAF4920610.1 CVYL|A08120

>Orthogroup10068: CFRU|XP\_031893203.1 CGLO|KAF3808104.1 CHIG|XP\_018152801.1 CVIN|KAF4920616.1 FGRM|XP\_011315703.1

>Orthogroup10069: CFRU|XP\_031893208.1 CGLO|KAF3808103.1 CHIG|XP\_018152805.1 CVIN|KAF4920615.1 CVYL|A08130

>Orthogroup10070: CFRU|XP\_031893209.1 CGLO|KAF3808102.1 CHIG|XP\_018152806.1 CVIN|KAF4920635.1 CVYL|A08131

>Orthogroup10071: CFRU|XP\_031893566.1 CGLO|KAF3808090.1 CVIN|KAF4920624.1 CVYL|A08142 MORY|QBZ54992.1

>Orthogroup10072: CFRU|XP\_031893505.1 CGLO|KAF3808080.1 CHIG|XP\_018152782.1 CVIN|KAF4920641.1 CVYL|A08152

>Orthogroup10073: CFRU|XP\_031893507.1 CGLO|KAF3808075.1 CHIG|XP\_018152776.1 CVIN|KAF4922833.1 CVYL|A08158

>Orthogroup10074: CFRU|XP\_031893415.1 CGLO|KAF3808036.1 CHIG|XP\_018152742.1 CVIN|KAF4922844.1 CVYL|A08196

>Orthogroup10075: CFRU|XP\_031892888.1 CGLO|KAF3798388.1 CHIG|XP\_018152732.1 CVIN|KAF4922815.1 CVYL|A08204

>Orthogroup10076: CFRU|XP\_031893326.1 CGLO|KAF3798397.1 CVIN|KAF4922837.1 CVYL|A08213 FGRM|XP\_011326689.1

>Orthogroup10077: CFRU|XP\_031892930.1 CGLO|KAF3809441.1 CHIG|XP\_018152720.1 CVIN|KAF4908453.1 CVYL|A08222

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>Orthogroup10082: CFRU|XP\_031893223.1 CGLO|KAF3809519.1 CHIG|XP\_018152644.1 CVIN|KAF4918579.1 CVYL|A08500

>Orthogroup10083: CFRU|XP\_031893562.1 CGLO|KAF3809530.1 CHIG|XP\_018152640.1 CVIN|KAF4918552.1 CVYL|A08491

>Orthogroup10084: CFRU|XP\_031893462.1 CGLO|KAF3809581.1 CHIG|XP\_018152607.1 CVIN|KAF4919200.1 CVYL|A08450

>Orthogroup10085: CFRU|XP\_031893459.1 CGLO|KAF3809580.1 CHIG|XP\_018152606.1 CVIN|KAF4919197.1 CVYL|A08451

>Orthogroup10086: CFRU|XP\_031875465.1 CFRU|XP\_031876750.1 CFRU|XP\_031877566.1 CFRU|XP\_031882068.1 CFRU|XP\_031893443.1

>Orthogroup10087: CFRU|XP\_031893442.1 CGLO|KAF3809564.1 CHIG|XP\_018153040.1 CVIN|KAF4912185.1 CVYL|A08462

>Orthogroup10088: CFRU|XP\_031893075.1 CGLO|KAF3809559.1 CHIG|XP\_018152624.1 CVIN|KAF4912187.1 CVYL|A08464

>Orthogroup10089: CFRU|XP\_031893105.1 CGLO|KAF3809618.1 CHIG|XP\_018155772.1 CVIN|KAF4919193.1 CVYL|A08425

>Orthogroup10090: CFRU|XP\_031893108.1 CGLO|KAF3809620.1 CHIG|XP\_018152561.1 CVIN|KAF4919186.1 CVYL|A08423

>Orthogroup10091: CFRU|XP\_031892947.1 CGLO|KAF3809654.1 CHIG|XP\_018152542.1 CVIN|KAF4925044.1 CVYL|A08394

>Orthogroup10092: CFRU|XP\_031893346.1 CGLO|KAF3809660.1 CHIG|XP\_018152536.1 CVIN|KAF4925048.1 CVYL|A08390

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>Orthogroup10094: CFRU|XP\_031893000.1 CGLO|KAF3809672.1 CHIG|XP\_018164903.1 CVIN|KAF4925033.1 CVYL|A09600

>Orthogroup10095: CFRU|XP\_031893365.1 CGLO|KAF3809679.1 CHIG|XP\_018152505.1 CVIN|KAF4925000.1 CVYL|A09592

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>Orthogroup10097: CFRU|XP\_031893051.1 CGLO|KAF3808383.1 CHIG|XP\_018152461.1 CVIN|KAF4916849.1 CVYL|A09543

>Orthogroup10098: CFRU|XP\_031893065.1 CGLO|KAF3808373.1 CHIG|XP\_018152426.1 CVIN|KAF4916841.1 CVYL|A09533

>Orthogroup10099: CFRU|XP\_031893111.1 CGLO|KAF3808347.1 CHIG|XP\_018152404.1 CVIN|KAF4918642.1 CVYL|A09506

>Orthogroup10100: CFRU|XP\_031892977.1 CGLO|KAF3797478.1 CHIG|XP\_018152390.1 CVIN|KAF4898430.1 CVYL|A09492

>Orthogroup10101: CFRU|XP\_031888787.1 CGLO|KAF3799175.1 CHIG|XP\_018163483.1 CVIN|KAF4914905.1 MORY|QBZ61686.1

>Orthogroup10102: CFRU|XP\_031889044.1 CGLO|KAF3799186.1 CHIG|XP\_018159794.1 CVIN|KAF4914918.1 CVYL|A10082

>Orthogroup10103: CFRU|XP\_031888643.1 CGLO|KAF3799195.1 CHIG|XP\_018159803.1 CVIN|KAF4914913.1 CVYL|A10090

>Orthogroup10104: CFRU|XP\_031888681.1 CGLO|KAF3799245.1 CHIG|XP\_018159887.1 CVIN|KAF4908851.1 CVYL|A10138

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>Orthogroup10107: CFRU|XP\_031888805.1 CGLO|KAF3799269.1 CHIG|XP\_018159866.1 CVIN|KAF4891980.1 CVYL|A10160

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>Orthogroup10109: CFRU|XP\_031888679.1 CFRU|XP\_031888680.1 CVYL|A03920 CVYL|A03931 CVYL|A04086

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>Orthogroup10118: CFRU|XP\_031888998.1 CGLO|KAF3804140.1 CHIG|XP\_018161859.1 CVIN|KAF4910289.1 CVYL|A03663

>Orthogroup10119: CFRU|XP\_031888997.1 CGLO|KAF3804141.1 CHIG|XP\_018159979.1 CVIN|KAF4910288.1 CVYL|A03674

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>Orthogroup10122: CFRU|XP\_031888905.1 CGLO|KAF3804205.1 CVIN|KAF4909765.1 CVYL|A03879 MORY|QBZ58248.1

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>Orthogroup10125: CFRU|XP\_031888813.1 CGLO|KAF3804222.1 CHIG|XP\_018155513.1 CVIN|KAF4930095.1 CVYL|A03896

>Orthogroup10126: CFRU|XP\_031888809.1 CGLO|KAF3804239.1 CHIG|XP\_018160199.1 CVIN|KAF4930087.1 CVYL|A03904

>Orthogroup10127: CFRU|XP\_031889061.1 CGLO|KAF3804237.1 CHIG|XP\_018160063.1 CVIN|KAF4930086.1 CVYL|A03906

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>Orthogroup10140: CFRU|XP\_031876009.1 CGLO|KAF3797301.1 CHIG|XP\_018157206.1 CVIN|KAF4899570.1 CVYL|A10393

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>Orthogroup10142: CFRU|XP\_031876010.1 CFRU|XP\_031877561.1 CFRU|XP\_031887383.1 CHIG|XP\_018155015.1 CVIN|KAF4913938.1

>Orthogroup10143: CFRU|XP\_031875404.1 CFRU|XP\_031876003.1 CFRU|XP\_031877555.1 CGLO|KAF3807993.1 CVYL|A09901

>Orthogroup10144: CFRU|XP\_031875585.1 CFRU|XP\_031875981.1 CFRU|XP\_031875983.1 CFRU|XP\_031876299.1 CFRU|XP\_031890692.1

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>Orthogroup10151: CFRU|XP\_031875911.1 CGLO|KAF3807816.1 CHIG|XP\_018162982.1 CVIN|KAF4921527.1 CVYL|A00783

>Orthogroup10152: CFRU|XP\_031875898.1 CFRU|XP\_031884711.1 CGLO|KAF3801022.1 CHIG|XP\_018153329.1 CVYL|A00362

>Orthogroup10153: CFRU|XP\_031875883.1 CGLO|KAF3802658.1 CVIN|KAF4895165.1 CVYL|A13667 SSCL|APA10889.1

>Orthogroup10154: CFRU|XP\_031875236.1 CFRU|XP\_031875426.1 CFRU|XP\_031875857.1 CFRU|XP\_031877543.1 CGLO|KAF3805849.1

>Orthogroup10155: CFRU|XP\_031888276.1 CGLO|KAF3797021.1 CHIG|XP\_018154043.1 CVIN|KAF4923144.1 CVYL|A03054

>Orthogroup10156: CFRU|XP\_031888463.1 CGLO|KAF3797818.1 CHIG|XP\_018152612.1 CVIN|KAF4923141.1 CVYL|A03046

>Orthogroup10157: CFRU|XP\_031888264.1 CFRU|XP\_031888430.1 CGLO|KAF3797809.1 CVIN|KAF4923180.1 CVYL|A03038

>Orthogroup10158: CFRU|XP\_031888445.1 CGLO|KAF3797798.1 CHIG|XP\_018156462.1 CVIN|KAF4923166.1 CVYL|A03025

>Orthogroup10159: CFRU|XP\_031888477.1 CGLO|KAF3803503.1 CHIG|XP\_018164034.1 CVIN|KAF4908048.1 CVYL|A14433

>Orthogroup10160: CFRU|XP\_031888265.1 CGLO|KAF3803513.1 CVIN|KAF4888546.1 CVYL|A14443 MORY|QBZ64054.1

>Orthogroup10161: CFRU|XP\_031888425.1 CGLO|KAF3803653.1 CHIG|XP\_018163816.1 CVIN|KAF4928538.1 CVYL|A14586

>Orthogroup10162: CFRU|XP\_031888491.1 CGLO|KAF3803717.1 CHIG|XP\_018163733.1 CVIN|KAF4928577.1 CVYL|A14652

>Orthogroup10163: CFRU|XP\_031888329.1 CGLO|KAF3803729.1 CHIG|XP\_018153186.1 CVIN|KAF4928521.1 CVYL|A14665

>Orthogroup10164: CFRU|XP\_031888348.1 CGLO|KAF3803744.1 CHIG|XP\_018153169.1 CVIN|KAF4912474.1 CVYL|A14124

>Orthogroup10165: CFRU|XP\_031875828.1 CGLO|KAF3805551.1 CVIN|KAF4893017.1 CVYL|A05674 MORY|QBZ55855.1

>Orthogroup10166: CFRU|XP\_031875811.1 CGLO|KAF3801772.1 CVIN|KAF4922920.1 CVYL|A12935 FGRM|XP\_011320490.1

>Orthogroup10167: CFRU|XP\_031875814.1 CFRU|XP\_031879022.1 CFRU|XP\_031881189.1 CHIG|XP\_018150530.1 CHIG|XP\_018154112.1

>Orthogroup10168: CFRU|XP\_031875790.1 CHIG|XP\_018151652.1 CHIG|XP\_018160290.1 CHIG|XP\_018160291.1 CHIG|XP\_018163088.1

>Orthogroup10169: CFRU|XP\_031875488.1 CFRU|XP\_031875735.1 CFRU|XP\_031890164.1 CVIN|KAF4905796.1 CVYL|A12430

>Orthogroup10170: CFRU|XP\_031875646.1 CFRU|XP\_031875729.1 CFRU|XP\_031876150.1 CGLO|KAF3799147.1 CVYL|A11141

>Orthogroup10171: CFRU|XP\_031875352.1 CFRU|XP\_031875387.1 CFRU|XP\_031875652.1 CFRU|XP\_031875724.1 CFRU|XP\_031876151.1

>Orthogroup10172: CFRU|XP\_031875715.1 CGLO|KAF3798153.1 CHIG|XP\_018154047.1 CVIN|KAF4919120.1 CVYL|A04960

>Orthogroup10173: CFRU|XP\_031887974.1 CGLO|KAF3797607.1 CHIG|XP\_018161448.1 CVIN|KAF4899211.1 CVYL|A03386

>Orthogroup10174: CFRU|XP\_031887885.1 CGLO|KAF3802025.1 CHIG|XP\_018150600.1 CHIG|XP\_018150726.1 CHIG|XP\_018154150.1

>Orthogroup10175: CFRU|XP\_031888037.1 CGLO|KAF3802044.1 CHIG|XP\_018154170.1 CVIN|KAF4910489.1 CVYL|A03344

>Orthogroup10176: CFRU|XP\_031888044.1 CGLO|KAF3802059.1 CVIN|KAF4901924.1 CVYL|A03328 MORY|QBZ57489.1

>Orthogroup10177: CFRU|XP\_031888199.1 CGLO|KAF3802083.1 CHIG|XP\_018154233.1 CVIN|KAF4917970.1 CVYL|A03304

>Orthogroup10178: CFRU|XP\_031887953.1 CGLO|KAF3802109.1 CGLO|KAF3802110.1 CVIN|KAF4912432.1 CVYL|A03284

>Orthogroup10179: CFRU|XP\_031887952.1 CGLO|KAF3802111.1 CHIG|XP\_018152616.1 CVIN|KAF4912431.1 CVYL|A03282

>Orthogroup10180: CFRU|XP\_031887919.1 CGLO|KAF3802142.1 CHIG|XP\_018154296.1 CVIN|KAF4912437.1 CVYL|A03251

>Orthogroup10181: CFRU|XP\_031887888.1 CFRU|XP\_031887893.1 CGLO|KAF3802161.1 CVIN|KAF4907198.1 CVYL|A03231

>Orthogroup10182: CFRU|XP\_031887862.1 CGLO|KAF3802175.1 CHIG|XP\_018154308.1 CVIN|KAF4922768.1 CVYL|A03215

>Orthogroup10183: CFRU|XP\_031876981.1 CFRU|XP\_031887861.1 CGLO|KAF3802176.1 CHIG|XP\_018154307.1 CVIN|KAF4922769.1

>Orthogroup10184: CFRU|XP\_031888064.1 CGLO|KAF3802183.1 CHIG|XP\_018151592.1 CVIN|KAF4922763.1 CVYL|A03208

>Orthogroup10185: CFRU|XP\_031887982.1 CGLO|KAF3802197.1 CGLO|KAF3803915.1 CHIG|XP\_018159316.1 CVIN|KAF4925440.1

>Orthogroup10186: CFRU|XP\_031887985.1 CHIG|XP\_018154316.1 FGRM|XP\_011320269.1 MORY|QBZ65889.1 NCRA|XP\_965292.2

>Orthogroup10187: CFRU|XP\_031888187.1 CGLO|KAF3802207.1 CHIG|XP\_018154323.1 CVYL|A03191 FGRM|XP\_011325194.1

>Orthogroup10188: CFRU|XP\_031887824.1 CGLO|KAF3802250.1 CHIG|XP\_018151165.1 CVIN|KAF4914868.1 CVYL|A03149

>Orthogroup10189: CFRU|XP\_031888053.1 CGLO|KAF3802268.1 CHIG|XP\_018154367.1 CVIN|KAF4924432.1 CVYL|A10285

>Orthogroup10190: CFRU|XP\_031888121.1 CGLO|KAF3802305.1 CHIG|XP\_018154409.1 CVIN|KAF4896251.1 CVYL|A10740

>Orthogroup10191: CFRU|XP\_031875697.1 CGLO|KAF3798125.1 CHIG|XP\_018151583.1 CVIN|KAF4927955.1 CVYL|A08234

>Orthogroup10192: CFRU|XP\_031875693.1 CFRU|XP\_031875694.1 CGLO|KAF3798115.1 CVYL|A08244 MGRA|XP\_003855615.1

>Orthogroup10193: CFRU|XP\_031875684.1 CGLO|KAF3797653.1 CHIG|XP\_018155426.1 CHIG|XP\_018155427.1 CVIN|KAF4919384.1

>Orthogroup10194: CFRU|XP\_031875676.1 CGLO|KAF3797651.1 CHIG|XP\_018155424.1 CVIN|KAF4919386.1 CVYL|A01118

>Orthogroup10195: CFRU|XP\_031875672.1 CGLO|KAF3797647.1 CVIN|KAF4919358.1 CVYL|A01121 FGRM|XP\_011319629.1

>Orthogroup10196: CFRU|XP\_031875649.1 CFRU|XP\_031876204.1 CFRU|XP\_031876327.1 CHIG|XP\_018150648.1 CHIG|XP\_018150672.1

>Orthogroup10197: CFRU|XP\_031875353.1 CFRU|XP\_031875501.1 CFRU|XP\_031875648.1 CFRU|XP\_031876170.1 CGLO|KAF3799148.1

>Orthogroup10198: CFRU|XP\_031875602.1 CGLO|KAF3804761.1 CHIG|XP\_018161817.1 CVIN|KAF4926129.1 CVYL|A11589

>Orthogroup10199: CFRU|XP\_031875567.1 CGLO|KAF3801790.1 CHIG|XP\_018159293.1 CVIN|KAF4916978.1 CVYL|A12918

>Orthogroup10200: CFRU|XP\_031887619.1 CGLO|KAF3798625.1 CGLO|KAF3803249.1 CVIN|KAF4928711.1 CVYL|A03681

>Orthogroup10201: CFRU|XP\_031887784.1 CGLO|KAF3803236.1 CHIG|XP\_018150687.1 CVIN|KAF4928677.1 CVYL|A03668

>Orthogroup10202: CFRU|XP\_031887782.1 CGLO|KAF3803234.1 CHIG|XP\_018159389.1 CVIN|KAF4928725.1 CVYL|A03666

>Orthogroup10203: CFRU|XP\_031887483.1 CGLO|KAF3803203.1 CHIG|XP\_018161054.1 CVIN|KAF4920220.1 CVYL|A03633

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>Orthogroup10209: CFRU|XP\_031875519.1 CGLO|KAF3808149.1 CHIG|XP\_018151649.1 CVYL|A08679 CVYL|A08680

>Orthogroup10210: CFRU|XP\_031887180.1 CGLO|KAF3809400.1 CHIG|XP\_018156247.1 CVIN|KAF4916417.1 CVYL|A03019

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>Orthogroup10212: CFRU|XP\_031887292.1 CGLO|KAF3809327.1 CHIG|XP\_018156163.1 CVIN|KAF4924190.1 CVYL|A01530

>Orthogroup10213: CFRU|XP\_031887284.1 CHIG|XP\_018156161.1 CVIN|KAF4924174.1 CVYL|A01523 FGRM|XP\_011318243.1

>Orthogroup10214: CFRU|XP\_031887294.1 CGLO|KAF3809320.1 CHIG|XP\_018156158.1 CVIN|KAF4924175.1 CVYL|A01520

>Orthogroup10215: CFRU|XP\_031887359.1 CGLO|KAF3809305.1 CHIG|XP\_018156140.1 CVIN|KAF4911374.1 CVYL|A01503

>Orthogroup10216: CFRU|XP\_031887148.1 CGLO|KAF3809226.1 CHIG|XP\_018156053.1 CVIN|KAF4925329.1 CVYL|A01416

>Orthogroup10217: CFRU|XP\_031887297.1 CGLO|KAF3809217.1 CHIG|XP\_018156044.1 CVIN|KAF4925281.1 CVYL|A01406

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>Orthogroup10219: CFRU|XP\_031875480.1 CGLO|KAF3802354.1 CHIG|XP\_018150497.1 CVIN|KAF4905647.1 CVYL|A08665

>Orthogroup10220: CFRU|XP\_031875453.1 CGLO|KAF3799134.1 CVIN|KAF4906658.1 CVYL|A09929 CVYL|A11150

>Orthogroup10221: CFRU|XP\_031886936.1 CHIG|XP\_018160713.1 FGRM|XP\_011327251.1 MORY|QBZ54251.1 NCRA|XP\_955973.2

>Orthogroup10222: CFRU|XP\_031886871.1 CGLO|KAF3811424.1 CVIN|KAF4919688.1 CVYL|A04622 FGRM|XP\_011326854.1

>Orthogroup10223: CFRU|XP\_031887025.1 CGLO|KAF3811416.1 CHIG|XP\_018160655.1 CVIN|KAF4919693.1 CVYL|A04613

>Orthogroup10224: CFRU|XP\_031887031.1 CGLO|KAF3811284.1 CHIG|XP\_018160508.1 CVIN|KAF4927227.1 CVYL|A04448

>Orthogroup10225: CFRU|XP\_031886829.1 CGLO|KAF3811216.1 CHIG|XP\_018160429.1 CVYL|A04383 NCRA|XP\_960948.1

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>Orthogroup10228: CFRU|XP\_031886747.1 CGLO|KAF3807514.1 CHIG|XP\_018158594.1 CVIN|KAF4917521.1 CVYL|A05036

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>Orthogroup10230: CFRU|XP\_031886651.1 CGLO|KAF3807475.1 CHIG|XP\_018158762.1 CVIN|KAF4905650.1 CVYL|A04998

>Orthogroup10231: CFRU|XP\_031886734.1 CGLO|KAF3806779.1 FGRM|XP\_011316380.1 MORY|QBZ55995.1 NCRA|XP\_957880.3

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>Orthogroup10237: CFRU|XP\_031886236.1 CGLO|KAF3806388.1 CHIG|XP\_018162206.1 CVIN|KAF4923234.1 CVYL|A11978

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>Orthogroup10242: CFRU|XP\_031886323.1 CGLO|KAF3806280.1 CHIG|XP\_018162108.1 CVIN|KAF4923919.1 CVYL|A11871

>Orthogroup10243: CFRU|XP\_031884268.1 CFRU|XP\_031886214.1 CGLO|KAF3799953.1 CVIN|KAF4903079.1 CVYL|A14194

>Orthogroup10244: CFRU|XP\_031886226.1 CGLO|KAF3806049.1 CGLO|KAF3806256.1 CVIN|KAF4931456.1 CVYL|A11845

>Orthogroup10245: CFRU|XP\_031886374.1 CHIG|XP\_018162075.1 CVIN|KAF4931578.1 FGRM|XP\_011324021.1 NCRA|XP\_011393820.1

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>Orthogroup10248: CFRU|XP\_031885960.1 CGLO|KAF3801178.1 CHIG|XP\_018164740.1 CVIN|KAF4911042.1 CVYL|A06213

>Orthogroup10249: CFRU|XP\_031885958.1 CGLO|KAF3801177.1 CHIG|XP\_018160120.1 CVIN|KAF4911066.1 CVYL|A06215

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>Orthogroup10251: CFRU|XP\_031886047.1 CGLO|KAF3801151.1 CHIG|XP\_018155210.1 CVIN|KAF4904483.1 CVYL|A05694

>Orthogroup10252: CFRU|XP\_031878643.1 CFRU|XP\_031886155.1 CGLO|KAF3798505.1 CGLO|KAF3801142.1 CVIN|KAF4930372.1

>Orthogroup10253: CFRU|XP\_031878636.1 CFRU|XP\_031886154.1 CGLO|KAF3801140.1 CGLO|KAF3801141.1 CVIN|KAF4930373.1

>Orthogroup10254: CFRU|XP\_031886165.1 CGLO|KAF3812005.1 CHIG|XP\_018155245.1 CVIN|KAF4930441.1 CVYL|A05503

>Orthogroup10255: CFRU|XP\_031885964.1 CGLO|KAF3805423.1 CVIN|KAF4930339.1 CVYL|A05553 MORY|QBZ55418.1

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>Orthogroup10258: CFRU|XP\_031886072.1 CGLO|KAF3805470.1 CHIG|XP\_018156792.1 CVIN|KAF4897798.1 CVYL|A05600

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>Orthogroup10282: CFRU|XP\_031892441.1 CGLO|KAF3806366.1 CGLO|KAF3812243.1 CVIN|KAF4919897.1 CVYL|A00142

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>Orthogroup10288: CFRU|XP\_031892373.1 CHIG|XP\_018157270.1 CVYL|A10410 FGRM|XP\_011327766.1 MORY|QBZ65872.1

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>Orthogroup10291: CFRU|XP\_031892479.1 CGLO|KAF3797266.1 CHIG|XP\_018157263.1 CVIN|KAF4920706.1 CVYL|A10427

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>Orthogroup10295: CFRU|XP\_031892537.1 CGLO|KAF3797229.1 CVIN|KAF4917680.1 CVYL|A10468 FGRM|XP\_011317887.1

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>Orthogroup10316: CFRU|XP\_031885518.1 CGLO|KAF3806515.1 CHIG|XP\_018157552.1 CVIN|KAF4921335.1 CVYL|A09355

>Orthogroup10317: CFRU|XP\_031885443.1 CGLO|KAF3806533.1 CHIG|XP\_018157571.1 CVIN|KAF4921322.1 CVYL|A09337

>Orthogroup10318: CFRU|XP\_031875292.1 CGLO|KAF3807985.1 CHIG|XP\_018151515.1 CVIN|KAF4922770.1 CVYL|A09912

>Orthogroup10319: CFRU|XP\_031885140.1 CGLO|KAF3807794.1 CHIG|XP\_018162999.1 CVIN|KAF4921534.1 CVYL|A00806

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>Orthogroup10347: CFRU|XP\_031884911.1 CGLO|KAF3812199.1 CHIG|XP\_018153425.1 CVIN|KAF4920953.1 CVYL|A00186

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>Orthogroup10421: CFRU|XP\_031883008.1 CGLO|KAF3800738.1 CHIG|XP\_018163288.1 CVIN|KAF4919653.1 CVYL|A00466

>Orthogroup10422: CFRU|XP\_031883152.1 CGLO|KAF3800731.1 CHIG|XP\_018163693.1 CVIN|KAF4919622.1 CVYL|A00473

>Orthogroup10423: CFRU|XP\_031883185.1 CGLO|KAF3800717.1 CHIG|XP\_018163271.1 CVIN|KAF4919635.1 CVYL|A00487

>Orthogroup10424: CFRU|XP\_031883084.1 CGLO|KAF3800707.1 CHIG|XP\_018163261.1 CVIN|KAF4919747.1 FGRM|XP\_011328688.1

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>Orthogroup10428: CFRU|XP\_031883169.1 CGLO|KAF3808191.1 CVIN|KAF4924330.1 CVYL|A00542 NCRA|XP\_011393410.1

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>Orthogroup10431: CFRU|XP\_031883076.1 CHIG|XP\_018163191.1 CVIN|KAF4914266.1 CVYL|A00564 FGRM|XP\_011322526.1

>Orthogroup10432: CFRU|XP\_031883108.1 CGLO|KAF3808258.1 CHIG|XP\_018163315.1 CVIN|KAF4900288.1 CVYL|A00594

>Orthogroup10433: CFRU|XP\_031883228.1 CGLO|KAF3808289.1 CHIG|XP\_018159447.1 CVIN|KAF4924085.1 CVYL|A00627

>Orthogroup10434: CFRU|XP\_031883040.1 CGLO|KAF3808299.1 CVIN|KAF4924053.1 CVYL|A00638 SSCL|APA15442.1

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>Orthogroup10437: CFRU|XP\_031882971.1 CGLO|KAF3807950.1 CVIN|KAF4924063.1 CVYL|A00676 FGRM|XP\_011319434.1

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>Orthogroup10441: CFRU|XP\_031882891.1 CGLO|KAF3806678.1 CHIG|XP\_018164175.1 CVIN|KAF4923719.1 CVYL|A14221

>Orthogroup10442: CFRU|XP\_031882907.1 CGLO|KAF3812077.1 CHIG|XP\_018164086.1 CVIN|KAF4923678.1 CVYL|A14255

>Orthogroup10443: CFRU|XP\_031882832.1 CGLO|KAF3803345.1 CHIG|XP\_018153887.1 CVIN|KAF4915978.1 CVYL|A14270

>Orthogroup10444: CFRU|XP\_031882736.1 CGLO|KAF3803413.1 CHIG|XP\_018163921.1 CVIN|KAF4918441.1 CVYL|A14342

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>Orthogroup10557: CFRU|XP\_031880863.1 CGLO|KAF3806928.1 CHIG|XP\_018160039.1 CVIN|KAF4919161.1 CVYL|A02572

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>Orthogroup10559: CFRU|XP\_031880787.1 CGLO|KAF3806951.1 CHIG|XP\_018150734.1 CHIG|XP\_018153039.1 CHIG|XP\_018153945.1

>Orthogroup10560: CFRU|XP\_031880814.1 CGLO|KAF3806996.1 CHIG|XP\_018159672.1 CVIN|KAF4918796.1 CVYL|A06291

>Orthogroup10561: CFRU|XP\_031891584.1 CGLO|KAF3797632.1 CHIG|XP\_018157424.1 CVYL|A11068 MORY|QBZ66431.1

>Orthogroup10562: CFRU|XP\_031891292.1 CGLO|KAF3797620.1 CHIG|XP\_018157410.1 CVIN|KAF4929426.1 CVYL|A11080

>Orthogroup10563: CFRU|XP\_031891513.1 CGLO|KAF3797421.1 CHIG|XP\_018157383.1 CVIN|KAF4929348.1 CVYL|A10254

>Orthogroup10564: CFRU|XP\_031891522.1 CGLO|KAF3797420.1 CHIG|XP\_018157381.1 CVIN|KAF4929352.1 CVYL|A10256

>Orthogroup10565: CFRU|XP\_031891598.1 CGLO|KAF3797405.1 CVIN|KAF4929410.1 CVYL|A10272 FGRM|XP\_011322286.1

>Orthogroup10566: CFRU|XP\_031891592.1 CGLO|KAF3797391.1 CVIN|KAF4929344.1 CVYL|A10292 CVYL|A10293

>Orthogroup10567: CFRU|XP\_031891306.1 CGLO|KAF3797386.1 CHIG|XP\_018157124.1 CVIN|KAF4929386.1 CVYL|A10298

>Orthogroup10568: CFRU|XP\_031891248.1 CGLO|KAF3804541.1 CHIG|XP\_018160400.1 CVIN|KAF4924489.1 CVYL|A04260

>Orthogroup10569: CFRU|XP\_031891212.1 CGLO|KAF3804504.1 CVIN|KAF4924511.1 CVYL|A04220 FGRM|XP\_011318305.1

>Orthogroup10570: CFRU|XP\_031891415.1 CGLO|KAF3804747.1 CHIG|XP\_018161239.1 CVIN|KAF4903556.1 CVYL|A05373

>Orthogroup10571: CFRU|XP\_031891181.1 CHIG|XP\_018161825.1 CVIN|KAF4903553.1 CVYL|A05380 MORY|QBZ64127.1

>Orthogroup10572: CFRU|XP\_031891650.1 CGLO|KAF3804725.1 CHIG|XP\_018161794.1 CVIN|KAF4923350.1 CVYL|A05395

>Orthogroup10573: CFRU|XP\_031891537.1 CHIG|XP\_018161773.1 CVIN|KAF4923380.1 CVYL|A05421 MORY|QBZ53354.1

>Orthogroup10574: CFRU|XP\_031891570.1 CGLO|KAF3804686.1 CHIG|XP\_018161759.1 CVIN|KAF4898352.1 CVYL|A05197

>Orthogroup10575: CFRU|XP\_031891253.1 CGLO|KAF3804657.1 CHIG|XP\_018153809.1 CVIN|KAF4913906.1 CVYL|A05228

>Orthogroup10576: CFRU|XP\_031891199.1 CGLO|KAF3804627.1 CHIG|XP\_018161694.1 CVIN|KAF4919082.1 CVYL|A05256

>Orthogroup10577: CFRU|XP\_031891422.1 CGLO|KAF3804564.1 CHIG|XP\_018162001.1 CVIN|KAF4923101.1 CVYL|A05312

>Orthogroup10578: CFRU|XP\_031891228.1 CGLO|KAF3797884.1 CVIN|KAF4923094.1 CVYL|A05321 FGRM|XP\_011325244.1

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>Orthogroup10582: CFRU|XP\_031880674.1 CGLO|KAF3809959.1 CHIG|XP\_018161543.1 CVIN|KAF4914198.1 CVYL|A01664

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>Orthogroup10585: CFRU|XP\_031880773.1 CGLO|KAF3809942.1 CHIG|XP\_018161522.1 CVIN|KAF4930659.1 CVYL|A01681

>Orthogroup10586: CFRU|XP\_031880772.1 CGLO|KAF3809925.1 CHIG|XP\_018161508.1 CVIN|KAF4930655.1 CVYL|A01700

>Orthogroup10587: CFRU|XP\_031880619.1 CHIG|XP\_018160570.1 CVIN|KAF4914884.1 CVIN|KAF4914890.1 CVYL|A03433

>Orthogroup10588: CFRU|XP\_031880579.1 CGLO|KAF3811559.1 CHIG|XP\_018160820.1 CVIN|KAF4926726.1 FGRM|XP\_011324839.1

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>Orthogroup10595: CFRU|XP\_031880401.1 CGLO|KAF3807250.1 CHIG|XP\_018156923.1 CVIN|KAF4928141.1 CVYL|A10731

>Orthogroup10596: CFRU|XP\_031880467.1 CFRU|XP\_031880468.1 CVIN|KAF4928138.1 CVIN|KAF4928139.1 CVYL|A10734

>Orthogroup10597: CFRU|XP\_031880412.1 CGLO|KAF3807269.1 CHIG|XP\_018156943.1 CVIN|KAF4928132.1 CVYL|A10752

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>Orthogroup10689: CFRU|XP\_031878657.1 CHIG|XP\_018151126.1 CVIN|KAF4923564.1 CVYL|A09015 FGRM|XP\_011322800.1

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>Orthogroup10692: CFRU|XP\_031878652.1 CGLO|KAF3797562.1 CHIG|XP\_018151100.1 CVIN|KAF4923588.1 CVYL|A08984

>Orthogroup10693: CFRU|XP\_031878681.1 CGLO|KAF3803836.1 CHIG|XP\_018151093.1 CVYL|A08964 MLAR|XP\_007412632.1

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>Orthogroup10695: CFRU|XP\_031878567.1 CGLO|KAF3798462.1 CVIN|KAF4920034.1 CVYL|A11181 MORY|QBZ64557.1

>Orthogroup10696: CFRU|XP\_031878587.1 CGLO|KAF3798466.1 CVIN|KAF4920033.1 CVYL|A11177 MGRA|XP\_003853572.1

>Orthogroup10697: CFRU|XP\_031878596.1 CGLO|KAF3798533.1 CHIG|XP\_018161214.1 CVIN|KAF4919267.1 CVYL|A03791

>Orthogroup10698: CFRU|XP\_031878441.1 CGLO|KAF3799794.1 CHIG|XP\_018153881.1 CVIN|KAF4912459.1 CVYL|A04799

>Orthogroup10699: CFRU|XP\_031878510.1 CGLO|KAF3799787.1 CHIG|XP\_018153890.1 CVIN|KAF4912442.1 CVYL|A04807

>Orthogroup10700: CFRU|XP\_031878452.1 CGLO|KAF3798619.1 CHIG|XP\_018150558.1 CVYL|A04826 MORY|QBZ64368.1

>Orthogroup10701: CFRU|XP\_031878534.1 CGLO|KAF3798611.1 CHIG|XP\_018153924.1 CVIN|KAF4930102.1 CVYL|A04835

>Orthogroup10702: CFRU|XP\_031878497.1 CGLO|KAF3798598.1 CHIG|XP\_018153949.1 CVIN|KAF4930158.1 CVYL|A04848

>Orthogroup10703: CFRU|XP\_031878401.1 CGLO|KAF3810733.1 CHIG|XP\_018162593.1 CVIN|KAF4932090.1 CVYL|A07219

>Orthogroup10704: CFRU|XP\_031878410.1 CGLO|KAF3810745.1 CHIG|XP\_018156272.1 CVIN|KAF4932018.1 CVYL|A07206

>Orthogroup10705: CFRU|XP\_031878373.1 CGLO|KAF3810746.1 CHIG|XP\_018162477.1 CVIN|KAF4932017.1 CVYL|A07205

>Orthogroup10706: CFRU|XP\_031878368.1 CGLO|KAF3810783.1 CHIG|XP\_018150829.1 CVIN|KAF4932072.1 CVYL|A07167

>Orthogroup10707: CFRU|XP\_031878343.1 CGLO|KAF3798088.1 CHIG|XP\_018158148.1 CVIN|KAF4927964.1 MORY|QBZ62721.1

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>Orthogroup10711: CFRU|XP\_031878321.1 CGLO|KAF3798030.1 CHIG|XP\_018158087.1 CVIN|KAF4915611.1 CVYL|A08327

>Orthogroup10712: CFRU|XP\_031890381.1 CGLO|KAF3806740.1 CVIN|KAF4919482.1 CVYL|A14052 FGRM|XP\_011315852.1

>Orthogroup10713: CFRU|XP\_031890586.1 CGLO|KAF3806712.1 CHIG|XP\_018158688.1 CVIN|KAF4919473.1 CVYL|A14019

>Orthogroup10714: CFRU|XP\_031890588.1 CGLO|KAF3806710.1 CHIG|XP\_018158685.1 CVIN|KAF4925996.1 CVYL|A14017

>Orthogroup10715: CFRU|XP\_031890423.1 CGLO|KAF3804796.1 CHIG|XP\_018164290.1 CVIN|KAF4929752.1 CVYL|A12275

>Orthogroup10716: CFRU|XP\_031890463.1 CGLO|KAF3804797.1 CHIG|XP\_018164291.1 CVIN|KAF4929751.1 CVYL|A12274

>Orthogroup10717: CFRU|XP\_031890504.1 CGLO|KAF3804827.1 CHIG|XP\_018164313.1 CVIN|KAF4929779.1 CVYL|A12247

>Orthogroup10718: CFRU|XP\_031890681.1 CGLO|KAF3804835.1 CHIG|XP\_018164333.1 CVIN|KAF4929788.1 CVYL|A12238

>Orthogroup10719: CFRU|XP\_031890571.1 CGLO|KAF3804894.1 CHIG|XP\_018164367.1 CVIN|KAF4909779.1 CVYL|A12165

>Orthogroup10720: CFRU|XP\_031878180.1 CGLO|KAF3808483.1 CHIG|XP\_018160001.1 CVIN|KAF4917727.1 CVYL|A11657

>Orthogroup10721: CFRU|XP\_031878187.1 CGLO|KAF3808516.1 CHIG|XP\_018153986.1 CVIN|KAF4917708.1 CVYL|A11624

>Orthogroup10722: CFRU|XP\_031878250.1 CGLO|KAF3808518.1 CHIG|XP\_018161967.1 CVIN|KAF4917710.1 CVYL|A11621

>Orthogroup10723: CFRU|XP\_031878208.1 CGLO|KAF3808523.1 CGLO|KAF3808524.1 CHIG|XP\_018161974.1 CVIN|KAF4917646.1

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>Orthogroup10726: CFRU|XP\_031878123.1 CGLO|KAF3801805.1 CHIG|XP\_018159303.1 CVIN|KAF4916971.1 CVYL|A12898

>Orthogroup10727: CFRU|XP\_031878149.1 CGLO|KAF3801839.1 CHIG|XP\_018155490.1 CVIN|KAF4907407.1 CVYL|A12868

>Orthogroup10728: CFRU|XP\_031878157.1 CGLO|KAF3801860.1 CHIG|XP\_018159350.1 CVIN|KAF4901940.1 CVYL|A02306

>Orthogroup10729: CFRU|XP\_031878102.1 CGLO|KAF3801871.1 CVIN|KAF4913592.1 CVYL|A02314 NCRA|XP\_958380.3

>Orthogroup10730: CFRU|XP\_031878109.1 CGLO|KAF3801872.1 CVIN|KAF4913591.1 CVYL|A02315 NCRA|XP\_958381.2

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>Orthogroup10732: CFRU|XP\_031878036.1 CGLO|KAF3799617.1 CHIG|XP\_018154618.1 CVIN|KAF4926445.1 CVYL|A13479

>Orthogroup10733: CFRU|XP\_031877996.1 CGLO|KAF3799601.1 CHIG|XP\_018154596.1 CVIN|KAF4926498.1 CVYL|A13462

>Orthogroup10734: CFRU|XP\_031878069.1 CHIG|XP\_018154561.1 CVIN|KAF4926472.1 CVYL|A13430 NCRA|XP\_957187.1

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>Orthogroup10738: CFRU|XP\_031877929.1 CGLO|KAF3810953.1 CVIN|KAF4887801.1 CVYL|A02195 SSCL|APA12080.1

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>Orthogroup10785: CFRU|XP\_031877064.1 CGLO|KAF3811092.1 CHIG|XP\_018162995.1 CVIN|KAF4911084.1 CVYL|A09702

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>Orthogroup10814: CFRU|XP\_031889160.1 CFRU|XP\_031889894.1 CGLO|KAF3808690.1 CVIN|KAF4929649.1 CVYL|A00953

>Orthogroup10815: CFRU|XP\_031889644.1 CGLO|KAF3810642.1 CHIG|XP\_018155787.1 CVIN|KAF4917784.1 CVYL|A13726

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>Orthogroup10822: CFRU|XP\_031876756.1 CGLO|KAF3803820.1 CVIN|KAF4918459.1 CVYL|A05480 CVYL|A08580

>Orthogroup10823: CFRU|XP\_031876770.1 CGLO|KAF3803818.1 CGLO|KAF3803819.1 CVIN|KAF4918462.1 CVYL|A08630

>Orthogroup10824: CFRU|XP\_031876687.1 CGLO|KAF3801928.1 CHIG|XP\_018159407.1 CVIN|KAF4918700.1 CVYL|A02365

>Orthogroup10825: CFRU|XP\_031876675.1 CGLO|KAF3801917.1 CVIN|KAF4918695.1 CVYL|A02355 MORY|QBZ58280.1

>Orthogroup10826: CFRU|XP\_031876668.1 CGLO|KAF3801909.1 CHIG|XP\_018159432.1 CVIN|KAF4918710.1 CVYL|A02349

>Orthogroup10827: CFRU|XP\_031876663.1 CGLO|KAF3801903.1 CHIG|XP\_018163154.1 CVIN|KAF4918716.1 CVYL|A02344

>Orthogroup10828: CFRU|XP\_031876664.1 CGLO|KAF3801895.1 CHIG|XP\_018159392.1 CVIN|KAF4913581.1 CVYL|A02339

>Orthogroup10829: CFRU|XP\_031876660.1 CGLO|KAF3801893.1 CHIG|XP\_018159391.1 CVIN|KAF4913579.1 CVYL|A02337

>Orthogroup10830: CFRU|XP\_031876640.1 CGLO|KAF3801892.1 CHIG|XP\_018159387.1 CVIN|KAF4913577.1 CVYL|A02336

>Orthogroup10831: CFRU|XP\_031876633.1 CGLO|KAF3798545.1 CHIG|XP\_018155006.1 CVYL|A08634 CVYL|A08701

>Orthogroup10832: CFRU|XP\_031876592.1 CGLO|KAF3800898.1 CHIG|XP\_018150783.1 CVIN|KAF4907261.1 CVYL|A12435

>Orthogroup10833: CFRU|XP\_031876564.1 CFRU|XP\_031876584.1 CGLO|KAF3800885.1 CVIN|KAF4911859.1 CVYL|A11123

>Orthogroup10834: CFRU|XP\_031876565.1 CGLO|KAF3800883.1 CHIG|XP\_018150808.1 MGRA|XP\_003854858.1 MGRA|XP\_003854923.1

>Orthogroup10835: CFRU|XP\_031876597.1 CGLO|KAF3800882.1 CHIG|XP\_018154056.1 CVIN|KAF4911857.1 CVYL|A11121

>Orthogroup10836: CFRU|XP\_031876429.1 CGLO|KAF3801940.1 CHIG|XP\_018159401.1 CVIN|KAF4896247.1 CVYL|A02377

>Orthogroup10837: CFRU|XP\_031876428.1 CGLO|KAF3801941.1 CHIG|XP\_018159402.1 CVYL|A02378 FGRM|XP\_011320403.1

>Orthogroup10838: CFRU|XP\_031876418.1 CGLO|KAF3801961.1 CVIN|KAF4919794.1 CVYL|A02394 MORY|QBZ54099.1

>Orthogroup10839: CFRU|XP\_031876419.1 CGLO|KAF3801963.1 CVIN|KAF4919788.1 CVIN|KAF4919793.1 CVYL|A02398

>Orthogroup10840: CFRU|XP\_031876410.1 CGLO|KAF3801970.1 CHIG|XP\_018159413.1 CVIN|KAF4919802.1 CVYL|A02405

>Orthogroup10841: CFRU|XP\_031889102.1 CGLO|KAF3808898.1 CHIG|XP\_018155764.1 CVIN|KAF4914515.1 CVYL|A01189

>Orthogroup10842: CFRU|XP\_031889282.1 CGLO|KAF3808904.1 CHIG|XP\_018155785.1 CVIN|KAF4914518.1 CVYL|A01194

>Orthogroup10843: CFRU|XP\_031889478.1 CGLO|KAF3808854.1 CHIG|XP\_018155756.1 CVIN|KAF4893851.1 CVYL|A01226

>Orthogroup10844: CFRU|XP\_031889259.1 CGLO|KAF3808846.1 CHIG|XP\_018155751.1 CVIN|KAF4909989.1 CVYL|A01234

>Orthogroup10845: CFRU|XP\_031889467.1 CGLO|KAF3808834.1 CHIG|XP\_018155741.1 CVIN|KAF4909987.1 CVYL|A01247

>Orthogroup10846: CFRU|XP\_031889246.1 CGLO|KAF3808821.1 CHIG|XP\_018155724.1 CVIN|KAF4908024.1 CVYL|A01257

>Orthogroup10847: CFRU|XP\_031889209.1 CGLO|KAF3808794.1 CVIN|KAF4906827.1 CVYL|A00871 MORY|QBZ57385.1

>Orthogroup10848: CFRU|XP\_031889427.1 CGLO|KAF3808745.1 CHIG|XP\_018155641.1 CVYL|A00915 MGRA|XP\_003848981.1

>Orthogroup10849: CFRU|XP\_031889219.1 CGLO|KAF3808733.1 CHIG|XP\_018161341.1 CVIN|KAF4929644.1 CVYL|A00929

>Orthogroup10850: CFRU|XP\_031889423.1 CGLO|KAF3808724.1 CHIG|XP\_018160019.1 CVIN|KAF4929636.1 CVYL|A00936

>Orthogroup10851: CFRU|XP\_031889107.1 CGLO|KAF3803089.1 CVIN|KAF4929551.1 CVYL|A00981 FGRM|XP\_011327474.1

>Orthogroup10852: CFRU|XP\_031889117.1 CGLO|KAF3803104.1 CHIG|XP\_018155598.1 CVIN|KAF4929619.1 CVYL|A00994

>Orthogroup10853: CFRU|XP\_031889120.1 CGLO|KAF3803105.1 CHIG|XP\_018150766.1 CHIG|XP\_018155599.1 CVYL|A00995

>Orthogroup10854: CFRU|XP\_031889121.1 CGLO|KAF3803109.1 CHIG|XP\_018155603.1 CVIN|KAF4929559.1 CVYL|A00997

>Orthogroup10855: CFRU|XP\_031889346.1 CVIN|KAF4928273.1 CVYL|A01007 FGRM|XP\_011325716.1 MGRA|XP\_003849709.1

>Orthogroup10856: CFRU|XP\_031889343.1 CGLO|KAF3803118.1 CVIN|KAF4928317.1 CVYL|A01008 FGRM|XP\_011325862.1

>Orthogroup10857: CFRU|XP\_031889302.1 CGLO|KAF3803164.1 CGLO|KAF3810560.1 CVIN|KAF4928350.1 CVYL|A01051

>Orthogroup10858: CFRU|XP\_031889305.1 CGLO|KAF3803170.1 CHIG|XP\_018155505.1 CVIN|KAF4928348.1 CVYL|A01058

>Orthogroup10859: CFRU|XP\_031889145.1 CGLO|KAF3797676.1 CVIN|KAF4919396.1 CVYL|A01094 SSCL|APA05363.1

>Orthogroup10860: CFRU|XP\_031889335.1 CGLO|KAF3797665.1 CHIG|XP\_018155439.1 CVIN|KAF4919367.1 CVYL|A01105

>Orthogroup10861: CFRU|XP\_031876397.1 CGLO|KAF3797785.1 CHIG|XP\_018156456.1 CVIN|KAF4923163.1 CVYL|A03009

>Orthogroup10862: CFRU|XP\_031876352.1 CGLO|KAF3811856.1 CHIG|XP\_018155185.1 CVIN|KAF4920569.1 CVYL|A06200

>Orthogroup10863: CFRU|XP\_031876309.1 CVYL|A05057 FGRM|XP\_011327537.1 MORY|QBZ57867.1 MORY|QBZ66231.1

>Orthogroup10864: CFRU|XP\_031876244.1 CGLO|KAF3802360.1 CVIN|KAF4917954.1 CVYL|A08626 CVYL|A08648

>Orthogroup10865: CFRU|XP\_031876137.1 CGLO|KAF3810276.1 CHIG|XP\_018157999.1 CVIN|KAF4918612.1 CVYL|A11267

>Orthogroup10866: CFRU|XP\_031876093.1 CGLO|KAF3807362.1 CVIN|KAF4920058.1 CVYL|A10857 NCRA|XP\_959592.1

>Orthogroup10867: CFRU|XP\_031876090.1 CGLO|KAF3807369.1 CHIG|XP\_018156850.1 CVIN|KAF4929546.1 CVYL|A10865

>Orthogroup10868: CFRU|XP\_031876107.1 CGLO|KAF3807381.1 CHIG|XP\_018156862.1 CVIN|KAF4929540.1 CVYL|A10874

>Orthogroup10869: CGLO|KAF3808678.1 CVYL|A08601 MORY|QBZ58548.1 MORY|QBZ58566.1 MORY|QBZ60846.1

>Orthogroup10870: CGLO|KAF3800436.1 CGLO|KAF3804137.1 CGLO|KAF3804335.1 CVYL|A01826 CVYL|A03641

>Orthogroup10871: CGLO|KAF3804223.1 CHIG|XP\_018155512.1 CHIG|XP\_018158919.1 CVIN|KAF4930094.1 CVYL|A03899

>Orthogroup10872: CGLO|KAF3801004.1 CGLO|KAF3802772.1 CHIG|XP\_018153961.1 CVIN|KAF4912212.1 CVIN|KAF4912988.1

>Orthogroup10873: CGLO|KAF3799517.1 CHIG|XP\_018154506.1 CVIN|KAF4931761.1 MORY|QBZ62092.1 NCRA|XP\_001728425.1

>Orthogroup10874: CGLO|KAF3799663.1 CHIG|XP\_018154691.1 FGRM|XP\_011317286.1 MORY|QBZ64806.1 NCRA|XP\_955895.3

>Orthogroup10875: CHIG|XP\_018150675.1 CHIG|XP\_018154094.1 CHIG|XP\_018154095.1 CHIG|XP\_018165112.1 CHIG|XP\_018165113.1

>Orthogroup10876: CHIG|XP\_018161821.1 FGRM|XP\_011323869.1 MGRA|XP\_003851617.1 MGRA|XP\_003852504.1 SSCL|APA11249.1

>Orthogroup10877: CHIG|XP\_018151162.1 CHIG|XP\_018154216.1 CHIG|XP\_018161094.1 MORY|QBZ59221.1 MORY|QBZ62339.1

>Orthogroup10878: CHIG|XP\_018158067.1 CVYL|A04164 FGRM|XP\_011319407.1 FGRM|XP\_011319715.1 FGRM|XP\_011319716.1

>Orthogroup10879: CHIG|XP\_018154228.1 CHIG|XP\_018158069.1 CVYL|A04153 FGRM|XP\_011319406.1 NCRA|XP\_962898.1

>Orthogroup10880: CHIG|XP\_018154276.1 MGRA|XP\_003847254.1 MGRA|XP\_003851951.1 MGRA|XP\_003856957.1 SSCL|APA12157.1

>Orthogroup10881: CHIG|XP\_018151784.1 CVYL|A08708 MORY|QBZ56872.1 MORY|QBZ60027.1 MORY|QBZ60219.1

>Orthogroup10882: CHIG|XP\_018151827.1 FGRM|XP\_011315831.1 FGRM|XP\_011324719.1 FGRM|XP\_011326166.1 FGRM|XP\_011326181.1

>Orthogroup10883: FGRM|XP\_011315761.1 FGRM|XP\_011315774.1 FGRM|XP\_011322435.1 FGRM|XP\_011325132.1 FGRM|XP\_011328188.1

>Orthogroup10884: FGRM|XP\_011315995.1 FGRM|XP\_011318366.1 FGRM|XP\_011322826.1 FGRM|XP\_011327466.1 NCRA|XP\_965138.2

>Orthogroup10885: FGRM|XP\_011318074.1 FGRM|XP\_011318089.1 FGRM|XP\_011318091.1 FGRM|XP\_011318092.1 FGRM|XP\_011325195.1

>Orthogroup10886: FGRM|XP\_011319628.1 FGRM|XP\_011321670.1 FGRM|XP\_011323188.1 FGRM|XP\_011327649.1 FGRM|XP\_011328415.1

>Orthogroup10887: FGRM|XP\_011321159.1 FGRM|XP\_011323164.1 FGRM|XP\_011323170.1 FGRM|XP\_011326028.1 MGRA|XP\_003853785.1

>Orthogroup10888: FGRM|XP\_011321757.1 MORY|QBZ56150.1 MORY|QBZ66358.1 NCRA|XP\_958163.1 NCRA|XP\_960883.1

>Orthogroup10889: MGRA|XP\_003848317.1 MGRA|XP\_003852701.1 MGRA|XP\_003853797.1 MGRA|XP\_003854991.1 MGRA|XP\_003856564.1

>Orthogroup10890: MGRA|XP\_003848674.1 MGRA|XP\_003849061.1 MGRA|XP\_003851475.1 MGRA|XP\_003854665.1 MGRA|XP\_003856687.1

>Orthogroup10891: MGRA|XP\_003850927.1 MGRA|XP\_003850928.1 MGRA|XP\_003850955.1 MGRA|XP\_003851650.1 MGRA|XP\_003856946.1

>Orthogroup10892: MGRA|XP\_003849691.1 MGRA|XP\_003849692.1 MGRA|XP\_003849693.1 MGRA|XP\_003854669.1 MGRA|XP\_003854671.1

>Orthogroup10893: MGRA|XP\_003848261.1 MGRA|XP\_003853180.1 MGRA|XP\_003853187.1 MGRA|XP\_003853989.1 NCRA|XP\_960349.1

>Orthogroup10894: MGRA|XP\_003852922.1 MGRA|XP\_003852985.1 MGRA|XP\_003853143.1 MGRA|XP\_003853426.1 MLAR|XP\_007416238.1

>Orthogroup10895: MGRA|XP\_003848793.1 MGRA|XP\_003848794.1 MGRA|XP\_003853291.1 MGRA|XP\_003853292.1 MGRA|XP\_003853293.1

>Orthogroup10896: MGRA|XP\_003847248.1 MGRA|XP\_003851368.1 MGRA|XP\_003851369.1 MGRA|XP\_003851820.1 MGRA|XP\_003852543.1

>Orthogroup10897: MGRA|XP\_003849961.1 MGRA|XP\_003849962.1 MGRA|XP\_003850179.1 MGRA|XP\_003850180.1 MGRA|XP\_003850182.1

>Orthogroup10898: MGRA|XP\_003849988.1 MGRA|XP\_003849989.1 MGRA|XP\_003849990.1 MGRA|XP\_003849991.1 MGRA|XP\_003849992.1

>Orthogroup10899: MGRA|XP\_003849041.1 MGRA|XP\_003849042.1 MGRA|XP\_003849043.1 MGRA|XP\_003849044.1 MGRA|XP\_003849045.1

>Orthogroup10900: MGRA|XP\_003848471.1 MGRA|XP\_003848472.1 MGRA|XP\_003848502.1 MGRA|XP\_003848503.1 MGRA|XP\_003848505.1

>Orthogroup10901: MGRA|XP\_003846884.1 MGRA|XP\_003846981.1 MGRA|XP\_003847046.1 MGRA|XP\_003847219.1 MGRA|XP\_003847442.1

>Orthogroup10902: MGRA|XP\_003846955.1 MGRA|XP\_003846962.1 MGRA|XP\_003847007.1 MGRA|XP\_003847111.1 MGRA|XP\_003847302.1

>Orthogroup10903: MGRA|XP\_003846870.1 MGRA|XP\_003846916.1 MGRA|XP\_003846971.1 MGRA|XP\_003847077.1 MGRA|XP\_003847180.1

>Orthogroup10904: MGRA|XP\_003846933.1 MGRA|XP\_003846937.1 MGRA|XP\_003846956.1 MGRA|XP\_003847056.1 MGRA|XP\_003847105.1

>Orthogroup10905: MLAR|XP\_007403490.1 MLAR|XP\_007413263.1 MLAR|XP\_007415514.1 MLAR|XP\_007415571.1 MLAR|XP\_007417795.1

>Orthogroup10906: MLAR|XP\_007403511.1 MLAR|XP\_007409444.1 MLAR|XP\_007417626.1 MLAR|XP\_007417646.1 MLAR|XP\_007419466.1

>Orthogroup10907: MLAR|XP\_007404114.1 MLAR|XP\_007404685.1 MLAR|XP\_007408144.1 MLAR|XP\_007410040.1 MLAR|XP\_007416816.1

>Orthogroup10908: MLAR|XP\_007403587.1 MLAR|XP\_007407785.1 MLAR|XP\_007410440.1 MLAR|XP\_007411074.1 MLAR|XP\_007417919.1

>Orthogroup10909: MLAR|XP\_007404035.1 MLAR|XP\_007408542.1 MLAR|XP\_007408543.1 MLAR|XP\_007417935.1 MLAR|XP\_007417949.1

>Orthogroup10910: MLAR|XP\_007404015.1 MLAR|XP\_007404366.1 MLAR|XP\_007405641.1 MLAR|XP\_007410185.1 MLAR|XP\_007411033.1

>Orthogroup10911: MLAR|XP\_007403994.1 MLAR|XP\_007411777.1 MLAR|XP\_007412339.1 MLAR|XP\_007417188.1 MLAR|XP\_007419754.1

>Orthogroup10912: MLAR|XP\_007403970.1 MLAR|XP\_007407237.1 MLAR|XP\_007410694.1 MLAR|XP\_007419710.1 MLAR|XP\_007419767.1

>Orthogroup10913: MLAR|XP\_007403777.1 MLAR|XP\_007407720.1 MLAR|XP\_007410781.1 MLAR|XP\_007410782.1 MLAR|XP\_007418118.1

>Orthogroup10914: MLAR|XP\_007404903.1 MLAR|XP\_007411314.1 MLAR|XP\_007411895.1 MLAR|XP\_007411896.1 MLAR|XP\_007416898.1

>Orthogroup10915: MLAR|XP\_007404239.1 MLAR|XP\_007404851.1 MLAR|XP\_007410932.1 MLAR|XP\_007410933.1 MLAR|XP\_007413324.1

>Orthogroup10916: MLAR|XP\_007404761.1 MLAR|XP\_007411205.1 MLAR|XP\_007413348.1 MLAR|XP\_007415282.1 MLAR|XP\_007417728.1

>Orthogroup10917: MLAR|XP\_007404754.1 MLAR|XP\_007409681.1 MLAR|XP\_007410417.1 MLAR|XP\_007414829.1 MLAR|XP\_007416790.1

>Orthogroup10918: MLAR|XP\_007404635.1 MLAR|XP\_007404636.1 MLAR|XP\_007408771.1 MLAR|XP\_007410891.1 MLAR|XP\_007414994.1

>Orthogroup10919: MLAR|XP\_007404434.1 MLAR|XP\_007415985.1 MLAR|XP\_007415987.1 MLAR|XP\_007416028.1 MLAR|XP\_007418816.1

>Orthogroup10920: MLAR|XP\_007404461.1 MLAR|XP\_007404462.1 MLAR|XP\_007404464.1 MLAR|XP\_007404605.1 MLAR|XP\_007411481.1

>Orthogroup10921: MLAR|XP\_007404565.1 MLAR|XP\_007409440.1 MLAR|XP\_007411082.1 MLAR|XP\_007418848.1 MLAR|XP\_007419462.1

>Orthogroup10922: MLAR|XP\_007404962.1 MLAR|XP\_007405694.1 MLAR|XP\_007406531.1 MLAR|XP\_007412969.1 MLAR|XP\_007415227.1

>Orthogroup10923: MLAR|XP\_007405308.1 MLAR|XP\_007406449.1 MLAR|XP\_007406591.1 MLAR|XP\_007409848.1 SSCL|APA11768.1

>Orthogroup10924: MLAR|XP\_007405084.1 MLAR|XP\_007405086.1 MLAR|XP\_007405299.1 MLAR|XP\_007410114.1 MLAR|XP\_007412591.1

>Orthogroup10925: MLAR|XP\_007405146.1 MLAR|XP\_007406701.1 MLAR|XP\_007409005.1 MLAR|XP\_007412391.1 MLAR|XP\_007415708.1

>Orthogroup10926: MLAR|XP\_007405464.1 MLAR|XP\_007406852.1 MLAR|XP\_007406853.1 MLAR|XP\_007407672.1 MLAR|XP\_007413474.1

>Orthogroup10927: MLAR|XP\_007405812.1 MLAR|XP\_007408159.1 MLAR|XP\_007410858.1 MLAR|XP\_007410859.1 MLAR|XP\_007412424.1

>Orthogroup10928: MLAR|XP\_007405889.1 MLAR|XP\_007410866.1 MLAR|XP\_007410904.1 MLAR|XP\_007416457.1 MLAR|XP\_007416460.1

>Orthogroup10929: MLAR|XP\_007406249.1 MLAR|XP\_007407182.1 MLAR|XP\_007413991.1 MLAR|XP\_007415854.1 MLAR|XP\_007419018.1

>Orthogroup10930: MLAR|XP\_007406046.1 MLAR|XP\_007406047.1 MLAR|XP\_007413710.1 MLAR|XP\_007413834.1 MLAR|XP\_007414649.1

>Orthogroup10931: MLAR|XP\_007406101.1 MLAR|XP\_007407581.1 MLAR|XP\_007411431.1 MLAR|XP\_007412292.1 MLAR|XP\_007415040.1

>Orthogroup10932: MLAR|XP\_007406323.1 MLAR|XP\_007406792.1 MLAR|XP\_007408274.1 MLAR|XP\_007416952.1 MLAR|XP\_007416953.1

>Orthogroup10933: MLAR|XP\_007407066.1 MLAR|XP\_007408146.1 MLAR|XP\_007409008.1 MLAR|XP\_007410924.1 MLAR|XP\_007412250.1

>Orthogroup10934: MLAR|XP\_007406931.1 MLAR|XP\_007408983.1 MLAR|XP\_007410713.1 MLAR|XP\_007411391.1 MLAR|XP\_007418156.1

>Orthogroup10935: MLAR|XP\_007407111.1 MLAR|XP\_007411650.1 MLAR|XP\_007418180.1 MLAR|XP\_007418901.1 MLAR|XP\_007418902.1

>Orthogroup10936: MLAR|XP\_007407299.1 MLAR|XP\_007407301.1 MLAR|XP\_007409065.1 MLAR|XP\_007409066.1 MLAR|XP\_007409067.1

>Orthogroup10937: MLAR|XP\_007407180.1 MLAR|XP\_007407397.1 MLAR|XP\_007409862.1 MLAR|XP\_007410737.1 MLAR|XP\_007411180.1

>Orthogroup10938: MLAR|XP\_007407283.1 MLAR|XP\_007407685.1 MLAR|XP\_007409839.1 MLAR|XP\_007410647.1 MLAR|XP\_007410650.1

>Orthogroup10939: MLAR|XP\_007407411.1 MLAR|XP\_007409300.1 MLAR|XP\_007409944.1 MLAR|XP\_007411268.1 MLAR|XP\_007418889.1

>Orthogroup10940: MLAR|XP\_007407454.1 MLAR|XP\_007410478.1 MLAR|XP\_007410568.1 MLAR|XP\_007413203.1 MLAR|XP\_007413205.1

>Orthogroup10941: MLAR|XP\_007408891.1 MLAR|XP\_007414984.1 MLAR|XP\_007415857.1 MLAR|XP\_007417914.1 MLAR|XP\_007419055.1

>Orthogroup10942: MLAR|XP\_007408982.1 MLAR|XP\_007410045.1 MLAR|XP\_007411664.1 MLAR|XP\_007415166.1 MLAR|XP\_007418164.1

>Orthogroup10943: MLAR|XP\_007409442.1 MLAR|XP\_007411162.1 MLAR|XP\_007411949.1 MLAR|XP\_007417777.1 MLAR|XP\_007419563.1

>Orthogroup10944: MLAR|XP\_007409535.1 MLAR|XP\_007415509.1 MLAR|XP\_007418010.1 MLAR|XP\_007419426.1 MLAR|XP\_007419629.1

>Orthogroup10945: MLAR|XP\_007409554.1 MLAR|XP\_007410233.1 MLAR|XP\_007410234.1 MLAR|XP\_007412309.1 MLAR|XP\_007418084.1

>Orthogroup10946: MLAR|XP\_007409844.1 MLAR|XP\_007412275.1 MLAR|XP\_007413879.1 MLAR|XP\_007413972.1 MLAR|XP\_007416102.1

>Orthogroup10947: MLAR|XP\_007410037.1 MLAR|XP\_007410047.1 MLAR|XP\_007410052.1 MLAR|XP\_007414110.1 MLAR|XP\_007415128.1

>Orthogroup10948: MLAR|XP\_007410086.1 MLAR|XP\_007413666.1 MLAR|XP\_007414747.1 MLAR|XP\_007416176.1 MLAR|XP\_007416871.1

>Orthogroup10949: MLAR|XP\_007410434.1 MLAR|XP\_007410435.1 MLAR|XP\_007410443.1 MLAR|XP\_007410444.1 MLAR|XP\_007410445.1

>Orthogroup10950: MLAR|XP\_007411867.1 MLAR|XP\_007411947.1 MLAR|XP\_007411952.1 MLAR|XP\_007411953.1 MLAR|XP\_007415698.1

>Orthogroup10951: MLAR|XP\_007412356.1 MLAR|XP\_007412358.1 MLAR|XP\_007412360.1 MLAR|XP\_007412498.1 MLAR|XP\_007412499.1

>Orthogroup10952: MLAR|XP\_007413095.1 MLAR|XP\_007413099.1 MLAR|XP\_007414288.1 MLAR|XP\_007415547.1 MLAR|XP\_007419030.1

>Orthogroup10953: MLAR|XP\_007413805.1 MLAR|XP\_007415033.1 MLAR|XP\_007415034.1 MLAR|XP\_007416015.1 MLAR|XP\_007416016.1

>Orthogroup10954: MLAR|XP\_007414048.1 MLAR|XP\_007418216.1 MLAR|XP\_007418218.1 MLAR|XP\_007418259.1 MLAR|XP\_007419129.1

>Orthogroup10955: MLAR|XP\_007414163.1 MLAR|XP\_007416262.1 MLAR|XP\_007416263.1 MLAR|XP\_007416304.1 MLAR|XP\_007416305.1

>Orthogroup10956: MLAR|XP\_007415121.1 MLAR|XP\_007415122.1 MLAR|XP\_007415124.1 MLAR|XP\_007415125.1 MLAR|XP\_007415126.1

>Orthogroup10957: MORY|QBZ53272.1 MORY|QBZ56789.1 MORY|QBZ64421.1 MORY|QBZ66715.1 MORY|QBZ66717.1

>Orthogroup10958: MORY|QBZ53287.1 MORY|QBZ53300.1 MORY|QBZ53491.1 MORY|QBZ57632.1 MORY|QBZ66513.1

>Orthogroup10959: MORY|QBZ53296.1 MORY|QBZ56791.1 MORY|QBZ66700.1 MORY|QBZ66755.1 SSCL|APA13364.1

>Orthogroup10960: MORY|QBZ54131.1 MORY|QBZ54705.1 MORY|QBZ57938.1 MORY|QBZ58537.1 MORY|QBZ66607.1

>Orthogroup10961: MORY|QBZ54319.1 MORY|QBZ63975.1 MORY|QBZ65788.1 MORY|QBZ66619.1 MORY|QBZ66690.1

>Orthogroup10962: MORY|QBZ54323.1 MORY|QBZ56189.1 MORY|QBZ58381.1 MORY|QBZ64005.1 MORY|QBZ66693.1

>Orthogroup10963: MORY|QBZ55109.1 MORY|QBZ57822.1 MORY|QBZ66450.1 MORY|QBZ66714.1 MORY|QBZ66718.1

>Orthogroup10964: MORY|QBZ55379.1 MORY|QBZ61896.1 MORY|QBZ63520.1 MORY|QBZ63521.1 MORY|QBZ64780.1

>Orthogroup10965: MORY|QBZ56781.1 MORY|QBZ56782.1 MORY|QBZ66622.1 MORY|QBZ66633.1 MORY|QBZ66710.1

>Orthogroup10966: MORY|QBZ57068.1 MORY|QBZ57616.1 MORY|QBZ58302.1 MORY|QBZ58329.1 MORY|QBZ62210.1

>Orthogroup10967: NCRA|XP\_964002.2 NCRA|XP\_964003.1 NCRA|XP\_964004.1 NCRA|XP\_964006.3 NCRA|XP\_964007.3

>Orthogroup10968: NCRA|XP\_963457.3 NCRA|XP\_963458.1 NCRA|XP\_963460.1 NCRA|XP\_963461.1 NCRA|XP\_963463.1

>Orthogroup10969: NCRA|XP\_011394248.1 NCRA|XP\_962749.3 NCRA|XP\_962750.3 NCRA|XP\_962751.1 NCRA|XP\_962752.3

>Orthogroup10970: NCRA|XP\_011394800.1 NCRA|XP\_957848.2 NCRA|XP\_958384.2 NCRA|XP\_958388.1 NCRA|XP\_958390.1

>Orthogroup10971: NCRA|XP\_958456.1 NCRA|XP\_958457.1 NCRA|XP\_958458.1 NCRA|XP\_958459.1 NCRA|XP\_958460.1

>Orthogroup10972: NCRA|XP\_957432.1 NCRA|XP\_957437.1 NCRA|XP\_957439.1 NCRA|XP\_957440.1 NCRA|XP\_957441.1

>Orthogroup10973: NCRA|XP\_011395064.1 NCRA|XP\_956063.2 NCRA|XP\_956070.1 NCRA|XP\_956072.2 NCRA|XP\_956073.1

>Orthogroup10974: SSCL|APA05387.1 SSCL|APA06328.1 SSCL|APA12615.1 SSCL|APA14549.1 SSCL|APA16235.1

>Orthogroup10975: ANID|CBF69387.1 ANID|CBF79009.1 ANID|CBF84335.1 ANID|CBF84587.1

>Orthogroup10976: ANID|CBF69397.1 ANID|CBF69534.1 ANID|CBF84546.1 NCRA|XP\_964535.1

>Orthogroup10977: ANID|CBF69449.1 ANID|CBF83149.1 CHIG|XP\_018151662.1 FGRM|XP\_011319290.1

>Orthogroup10978: ANID|CBF69925.1 ANID|CBF73430.1 ANID|CBF80493.1 ANID|CBF84241.1

>Orthogroup10979: ANID|CBF70338.1 BCIN|XP\_001556243.1 FGRM|XP\_011321885.1 FGRM|XP\_011325297.1

>Orthogroup10980: ANID|CBF70512.1 CFRU|XP\_031875461.1 CFRU|XP\_031878193.1 CFRU|XP\_031886784.1

>Orthogroup10981: ANID|CBF70565.1 BCIN|XP\_001552692.1 MGRA|XP\_003852556.1 SSCL|APA11498.1

>Orthogroup10982: ANID|CBF70705.1 BCIN|XP\_024549532.1 FGRM|XP\_011325177.1 MGRA|XP\_003849051.1

>Orthogroup10983: ANID|CBF70728.1 FGRM|XP\_011319421.1 MORY|QBZ55192.1 NCRA|XP\_964554.1

>Orthogroup10984: ANID|CBF71207.1 ANID|CBF79577.1 CHIG|XP\_018157401.1 MORY|QBZ54124.1

>Orthogroup10985: ANID|CBF71348.1 BGRA|VCU40574.1 MLAR|XP\_007409651.1 SSCL|APA13845.1

>Orthogroup10986: ANID|CBF71486.1 ANID|CBF71821.1 BCIN|XP\_024550572.1 SSCL|APA11368.1

>Orthogroup10987: ANID|CBF71552.1 ANID|CBF71809.1 ANID|CBF79795.1 ANID|CBF84169.1

>Orthogroup10988: ANID|CBF71601.1 CVYL|A12427 FGRM|XP\_011322284.1 MGRA|XP\_003848230.1

>Orthogroup10989: ANID|CBF71703.1 BCIN|XP\_001553001.2 BGRA|VDB94552.1 SSCL|APA11226.1

>Orthogroup10990: ANID|CBF71766.1 MGRA|XP\_003847644.1 MGRA|XP\_003848288.1 MGRA|XP\_003848407.1

>Orthogroup10991: ANID|CBF71844.1 BCIN|XP\_024552471.1 MGRA|XP\_003849220.1 SSCL|APA08539.1

>Orthogroup10992: ANID|CBF73497.1 CFRU|XP\_031887599.1 CGLO|KAF3803283.1 CVYL|A03717

>Orthogroup10993: ANID|CBF73584.1 CFRU|XP\_031881211.1 CHIG|XP\_018154185.1 FGRM|XP\_011317566.1

>Orthogroup10994: ANID|CBF73654.1 MLAR|XP\_007403967.1 MLAR|XP\_007404997.1 MLAR|XP\_007410416.1

>Orthogroup10995: ANID|CBF74241.1 BCIN|XP\_001553888.1 BCIN|XP\_024547465.1 SSCL|APA13061.1

>Orthogroup10996: ANID|CBF74438.1 BCIN|XP\_024546973.1 MGRA|XP\_003856107.1 SSCL|APA05962.1

>Orthogroup10997: ANID|CBF74648.1 FGRM|XP\_011319419.1 FGRM|XP\_011327609.1 NCRA|XP\_959565.2

>Orthogroup10998: ANID|CBF74886.1 CFRU|XP\_031891309.1 CVIN|KAF4929383.1 CVYL|A10304

>Orthogroup10999: ANID|CBF74960.1 FGRM|XP\_011325771.1 MGRA|XP\_003852172.1 NCRA|XP\_001728220.1

>Orthogroup11000: ANID|CBF75072.1 ANID|CBF78388.1 FGRM|XP\_011326014.1 FGRM|XP\_011328563.1

>Orthogroup11001: ANID|CBF75158.1 CHIG|XP\_018150652.1 CHIG|XP\_018156659.1 MORY|QBZ53740.1

>Orthogroup11002: ANID|CBF75167.1 BCIN|XP\_001551254.1 SSCL|APA10777.1 SSCL|APA13248.1

>Orthogroup11003: ANID|CBF75396.1 ANID|CBF86641.1 ANID|CBF87353.1 FGRM|XP\_011328579.1

>Orthogroup11004: ANID|CBF75580.1 CFRU|XP\_031877516.1 CGLO|KAF3797538.1 CVYL|A01987

>Orthogroup11005: ANID|CBF76060.1 BCIN|XP\_001553125.1 FGRM|XP\_011320710.1 SSCL|APA16087.1

>Orthogroup11006: ANID|CBF76197.1 CFRU|XP\_031888970.1 CVIN|KAF4909305.1 FGRM|XP\_011328823.1

>Orthogroup11007: ANID|CBF76215.1 BCIN|XP\_024551785.1 CFRU|XP\_031888130.1 CGLO|KAF3807089.1

>Orthogroup11008: ANID|CBF76617.1 BCIN|XP\_024549337.1 BGRA|VCU39106.1 SSCL|APA15810.1

>Orthogroup11009: ANID|CBF77010.1 BCIN|XP\_001554034.1 MGRA|XP\_003854118.1 SSCL|APA11116.1

>Orthogroup11010: ANID|CBF77075.1 CFRU|XP\_031888150.1 CVIN|KAF4899204.1 CVYL|A03395

>Orthogroup11011: ANID|CBF77127.1 BCIN|XP\_024547161.1 MGRA|XP\_003851802.1 SSCL|APA14072.1

>Orthogroup11012: ANID|CBF77162.1 MLAR|XP\_007404926.1 MLAR|XP\_007411886.1 MLAR|XP\_007411926.1

>Orthogroup11013: ANID|CBF77279.1 BCIN|XP\_024549161.1 BGRA|VCU39066.1 SSCL|APA08780.1

>Orthogroup11014: ANID|CBF77448.1 BCIN|XP\_001559858.1 BGRA|VDB89275.1 SSCL|APA09718.1

>Orthogroup11015: ANID|CBF77500.1 BCIN|XP\_024546355.1 MGRA|XP\_003851229.1 SSCL|APA06870.1

>Orthogroup11016: ANID|CBF77545.1 BCIN|XP\_024548228.1 BGRA|VCU40423.1 SSCL|APA12480.1

>Orthogroup11017: ANID|CBF77739.1 CFRU|XP\_031881600.1 CGLO|KAF3805395.1 CVYL|A11041

>Orthogroup11018: ANID|CBF78096.1 BCIN|XP\_024550240.1 MGRA|XP\_003853574.1 SSCL|APA10914.1

>Orthogroup11019: ANID|CBF78142.1 ANID|CBF89075.1 BCIN|XP\_024553474.1 SSCL|APA13811.1

>Orthogroup11020: ANID|CBF78144.1 CFRU|XP\_031876373.1 CVIN|KAF4923151.1 CVYL|A03018

>Orthogroup11021: ANID|CBF78185.1 BCIN|XP\_001546374.1 BGRA|VDB88194.1 SSCL|APA12026.1

>Orthogroup11022: ANID|CBF78324.1 CFRU|XP\_031881356.1 CGLO|KAF3800915.1 FGRM|XP\_011322527.1

>Orthogroup11023: ANID|CBF78352.1 MGRA|XP\_003847815.1 MGRA|XP\_003849119.1 MGRA|XP\_003852186.1

>Orthogroup11024: ANID|CBF78409.1 ANID|CBF82211.1 ANID|CBF82963.1 ANID|CBF89331.1

>Orthogroup11025: ANID|CBF78902.1 CFRU|XP\_031877228.1 CFRU|XP\_031877230.1 CGLO|KAF3812030.1

>Orthogroup11026: ANID|CBF79078.1 BCIN|XP\_024549475.1 MGRA|XP\_003849672.1 SSCL|APA09176.1

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>Orthogroup11029: ANID|CBF79755.1 ANID|CBF83446.1 MGRA|XP\_003856654.1 SSCL|APA13391.1

>Orthogroup11030: ANID|CBF80061.1 BCIN|XP\_001558986.1 MGRA|XP\_003851887.1 SSCL|APA05839.1

>Orthogroup11031: ANID|CBF80381.1 CFRU|XP\_031889236.1 CGLO|KAF3803162.1 CVIN|KAF4928296.1

>Orthogroup11032: ANID|CBF80485.1 CFRU|XP\_031878826.1 CVIN|KAF4911602.1 CVYL|A01903

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>Orthogroup11036: ANID|CBF81305.1 BCIN|XP\_024548159.1 MGRA|XP\_003848104.1 SSCL|APA12398.1

>Orthogroup11037: ANID|CBF81702.1 BCIN|XP\_024545999.1 FGRM|XP\_011318211.1 FGRM|XP\_011323109.1

>Orthogroup11038: ANID|CBF81706.1 CFRU|XP\_031889697.1 CGLO|KAF3805954.1 FGRM|XP\_011323105.1

>Orthogroup11039: ANID|CBF82002.1 CFRU|XP\_031883930.1 MGRA|XP\_003854609.1 SSCL|APA14780.1

>Orthogroup11040: ANID|CBF82135.1 ANID|CBF87745.1 CFRU|XP\_031882656.1 CGLO|KAF3803884.1

>Orthogroup11041: ANID|CBF82200.1 CFRU|XP\_031884976.1 CGLO|KAF3812117.1 CHIG|XP\_018158719.1

>Orthogroup11042: ANID|CBF82293.1 CGLO|KAF3798812.1 CHIG|XP\_018151206.1 CVYL|A09118

>Orthogroup11043: ANID|CBF82365.1 ANID|CBF86606.1 FGRM|XP\_011321572.1 FGRM|XP\_011325102.1

>Orthogroup11044: ANID|CBF82398.1 ANID|CBF82400.1 CFRU|XP\_031880342.1 CVYL|A10804

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>Orthogroup11049: ANID|CBF82993.1 FGRM|XP\_011327350.1 MORY|QBZ58000.1 NCRA|XP\_961719.1

>Orthogroup11050: ANID|CBF83935.1 FGRM|XP\_011318223.1 MORY|QBZ58468.1 NCRA|XP\_011395281.1

>Orthogroup11051: ANID|CBF84414.1 CHIG|XP\_018159038.1 MORY|QBZ60956.1 NCRA|XP\_011395357.1

>Orthogroup11052: ANID|CBF84499.1 FGRM|XP\_011322869.1 FGRM|XP\_011324335.1 MORY|QBZ58592.1

>Orthogroup11053: ANID|CBF84515.1 MGRA|XP\_003851333.1 MORY|QBZ59936.1 MORY|QBZ62526.1

>Orthogroup11054: ANID|CBF84689.1 CFRU|XP\_031878615.1 CGLO|KAF3798468.1 CVYL|A11176

>Orthogroup11055: ANID|CBF84965.1 BCIN|XP\_001557013.1 BGRA|VCU39515.1 SSCL|APA10256.1

>Orthogroup11056: ANID|CBF85382.1 BCIN|XP\_024546650.1 MGRA|XP\_003853418.1 SSCL|APA06804.1

>Orthogroup11057: ANID|CBF85624.1 ANID|CBF85626.1 CVIN|KAF4924191.1 CVYL|A01529

>Orthogroup11058: ANID|CBF85806.1 BCIN|XP\_001551341.1 MGRA|XP\_003853524.1 SSCL|APA16247.1

>Orthogroup11059: ANID|CBF86010.1 BCIN|XP\_024553862.1 MGRA|XP\_003855635.1 SSCL|APA15216.1

>Orthogroup11060: ANID|CBF86329.1 BCIN|XP\_001545105.2 CHIG|XP\_018153311.1 FGRM|XP\_011318118.1

>Orthogroup11061: ANID|CBF86700.1 BCIN|XP\_024551724.1 FGRM|XP\_011325183.1 SSCL|APA14579.1

>Orthogroup11062: ANID|CBF86777.1 MGRA|XP\_003854976.1 MORY|QBZ53585.1 NCRA|XP\_962422.1

>Orthogroup11063: ANID|CBF86936.1 CFRU|XP\_031877904.1 CGLO|KAF3810944.1 CVYL|A02204

>Orthogroup11064: ANID|CBF87241.1 ANID|CBF87245.1 ANID|CBF87251.1 ANID|CBF87256.1

>Orthogroup11065: ANID|CBF87718.1 BCIN|XP\_001553966.2 BCIN|XP\_024550956.1 SSCL|APA11567.1

>Orthogroup11066: ANID|CBF87734.1 BCIN|XP\_001552650.1 BCIN|XP\_001554081.1 NCRA|XP\_011394116.1

>Orthogroup11067: ANID|CBF87774.1 CFRU|XP\_031891824.1 CGLO|KAF3800071.1 CVYL|A06769

>Orthogroup11068: ANID|CBF87830.1 BCIN|XP\_001552243.1 MGRA|XP\_003853363.1 SSCL|APA12904.1

>Orthogroup11069: ANID|CBF88140.1 ANID|CBF90391.1 BCIN|XP\_024549559.1 MGRA|XP\_003856079.1

>Orthogroup11070: ANID|CBF88184.1 BCIN|XP\_001560824.1 MGRA|XP\_003855554.1 SSCL|APA08056.1

>Orthogroup11071: ANID|CBF88245.1 BCIN|XP\_024550770.1 MGRA|XP\_003849705.1 SSCL|APA11624.1

>Orthogroup11072: ANID|CBF88247.1 BCIN|XP\_024553368.1 MGRA|XP\_003855342.1 SSCL|APA13694.1

>Orthogroup11073: ANID|CBF89670.1 BCIN|XP\_024547022.1 BGRA|VDB93542.1 SSCL|APA05899.1

>Orthogroup11074: ANID|CBF89913.1 BCIN|XP\_024549889.1 BCIN|XP\_024551035.1 SSCL|APA11957.1

>Orthogroup11075: ANID|CBF89970.1 BCIN|XP\_024550653.1 MGRA|XP\_003854572.1 SSCL|APA11477.1

>Orthogroup11076: ANID|CBF90043.1 MGRA|XP\_003849314.1 MLAR|XP\_007416489.1 SSCL|APA13028.1

>Orthogroup11077: BCIN|XP\_024546144.1 MORY|QBZ62748.1 NCRA|XP\_964205.1 SSCL|APA07139.1

>Orthogroup11078: BCIN|XP\_024546164.1 CGLO|KAF3798084.1 CVYL|A08587 FGRM|XP\_011319563.1

>Orthogroup11079: BCIN|XP\_024546255.1 FGRM|XP\_011321640.1 MORY|QBZ55228.1 SSCL|APA06972.1

>Orthogroup11080: BCIN|XP\_024546448.1 MORY|QBZ56684.1 NCRA|XP\_959750.1 SSCL|APA07114.1

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>Orthogroup11082: BCIN|XP\_024546580.1 BCIN|XP\_024549598.1 BCIN|XP\_024549820.1 SSCL|APA14495.1

>Orthogroup11083: BCIN|XP\_024546592.1 SSCL|APA10453.1 SSCL|APA11284.1 SSCL|APA13354.1

>Orthogroup11084: BCIN|XP\_001549346.2 CGLO|KAF3798184.1 CVYL|A04940 SSCL|APA06407.1

>Orthogroup11085: BCIN|XP\_001552475.2 BCIN|XP\_024546770.1 BCIN|XP\_024552081.1 SSCL|APA06947.1

>Orthogroup11086: BCIN|XP\_001558926.1 CFRU|XP\_031877262.1 CGLO|KAF3806846.1 CVIN|KAF4909288.1

>Orthogroup11087: BCIN|XP\_001558905.1 CFRU|XP\_031885270.1 CVYL|A00837 MORY|QBZ59802.1

>Orthogroup11088: BCIN|XP\_001553806.1 BGRA|VDB93649.1 MORY|QBZ55280.1 SSCL|APA05916.1

>Orthogroup11089: BCIN|XP\_001553733.1 BCIN|XP\_001555761.2 BCIN|XP\_024549158.1 BCIN|XP\_024550961.1

>Orthogroup11090: BCIN|XP\_001552921.1 BGRA|VDB93321.1 MORY|QBZ63247.1 SSCL|APA14504.1

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>Orthogroup11095: BCIN|XP\_001546667.2 BCIN|XP\_024547356.1 CGLO|KAF3811330.1 SSCL|APA14357.1

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>Orthogroup11098: BCIN|XP\_024547429.1 BCIN|XP\_024550216.1 CHIG|XP\_018156857.1 FGRM|XP\_011321161.1

>Orthogroup11099: BCIN|XP\_024547431.1 FGRM|XP\_011325876.1 MORY|QBZ65432.1 SSCL|APA15965.1

>Orthogroup11100: BCIN|XP\_001559477.1 MGRA|XP\_003854283.1 SSCL|APA07640.1 SSCL|APA07641.1

>Orthogroup11101: BCIN|XP\_024547686.1 CFRU|XP\_031884887.1 CFRU|XP\_031888066.1 CGLO|KAF3802185.1

>Orthogroup11102: BCIN|XP\_001560696.2 MORY|QBZ54299.1 NCRA|XP\_963505.2 SSCL|APA07975.1

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>Orthogroup11110: BCIN|XP\_001550400.1 BCIN|XP\_024548843.1 CHIG|XP\_018163354.1 SSCL|APA12008.1

>Orthogroup11111: BCIN|XP\_024548790.1 MGRA|XP\_003856787.1 MORY|QBZ58779.1 SSCL|APA09683.1

>Orthogroup11112: BCIN|XP\_024548793.1 BCIN|XP\_024550766.1 FGRM|XP\_011322363.1 SSCL|APA11620.1

>Orthogroup11113: BCIN|XP\_001545976.1 BCIN|XP\_024548831.1 BGRA|VDB89837.1 SSCL|APA09604.1

>Orthogroup11114: BCIN|XP\_001559727.2 BCIN|XP\_024553114.1 BCIN|XP\_024553116.1 SSCL|APA09467.1

>Orthogroup11115: BCIN|XP\_001559606.2 MORY|QBZ60359.1 NCRA|XP\_965252.1 SSCL|APA09379.1

>Orthogroup11116: BCIN|XP\_024548902.1 MORY|QBZ53714.1 MORY|QBZ58390.1 MORY|QBZ65656.1

>Orthogroup11117: BCIN|XP\_024548951.1 BCIN|XP\_024549265.1 SSCL|APA08881.1 SSCL|APA09509.1

>Orthogroup11118: BCIN|XP\_024549046.1 CFRU|XP\_031876834.1 CGLO|KAF3797949.1 SSCL|APA09263.1

>Orthogroup11119: BCIN|XP\_024549129.1 BCIN|XP\_024552421.1 SSCL|APA14969.1 SSCL|APA14970.1

>Orthogroup11120: BCIN|XP\_024549237.1 MORY|QBZ53352.1 MORY|QBZ57448.1 SSCL|APA09032.1

>Orthogroup11121: BCIN|XP\_024549404.1 MORY|QBZ54596.1 NCRA|XP\_965666.1 SSCL|APA09072.1

>Orthogroup11122: BCIN|XP\_001548501.1 BCIN|XP\_024549604.1 CHIG|XP\_018161834.1 SSCL|APA13840.1

>Orthogroup11123: BCIN|XP\_001551521.2 CFRU|XP\_031891737.1 CFRU|XP\_031892086.1 CGLO|KAF3801410.1

>Orthogroup11124: BCIN|XP\_001551488.1 BCIN|XP\_024549638.1 SSCL|APA06199.1 SSCL|APA06202.1

>Orthogroup11125: BCIN|XP\_001558632.1 FGRM|XP\_011315959.1 FGRM|XP\_011317216.1 SSCL|APA05676.1

>Orthogroup11126: BCIN|XP\_001548895.1 FGRM|XP\_011326185.1 MGRA|XP\_003854172.1 SSCL|APA14484.1

>Orthogroup11127: BCIN|XP\_001547016.1 MORY|QBZ57969.1 NCRA|XP\_959593.2 SSCL|APA05650.1

>Orthogroup11128: BCIN|XP\_024550016.1 BCIN|XP\_024552299.1 CVYL|A10856 SSCL|APA13094.1

>Orthogroup11129: BCIN|XP\_001549810.1 SSCL|APA14458.1 SSCL|APA14459.1 SSCL|APA14460.1

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>Orthogroup11132: BCIN|XP\_024550107.1 BCIN|XP\_024550521.1 MGRA|XP\_003847288.1 SSCL|APA11258.1

>Orthogroup11133: BCIN|XP\_001546152.2 BCIN|XP\_001548724.2 BCIN|XP\_001548737.1 SSCL|APA10845.1

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>Orthogroup11137: BCIN|XP\_024550737.1 CFRU|XP\_031883328.1 CVIN|KAF4927054.1 CVYL|A13124

>Orthogroup11138: BCIN|XP\_024550744.1 CFRU|XP\_031890165.1 CHIG|XP\_018164883.1 CVIN|KAF4905797.1

>Orthogroup11139: BCIN|XP\_001548597.1 BCIN|XP\_024553289.1 MORY|QBZ53822.1 SSCL|APA13545.1

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>Orthogroup11141: BCIN|XP\_001546383.1 FGRM|XP\_011320083.1 NCRA|XP\_964628.2 SSCL|APA12021.1

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>Orthogroup11144: BCIN|XP\_024551236.1 MORY|QBZ57785.1 NCRA|XP\_957705.3 SSCL|APA10309.1

>Orthogroup11145: BCIN|XP\_024551394.1 BGRA|VDB89132.1 MGRA|XP\_003854912.1 SSCL|APA10626.1

>Orthogroup11146: BCIN|XP\_001550407.1 MGRA|XP\_003852663.1 MLAR|XP\_007404101.1 SSCL|APA06019.1

>Orthogroup11147: BCIN|XP\_001558564.2 CFRU|XP\_031891257.1 CGLO|KAF3804660.1 CVYL|A05225

>Orthogroup11148: BCIN|XP\_001558496.1 BGRA|VDB89706.1 BGRA|VDB89707.1 SSCL|APA14701.1

>Orthogroup11149: BCIN|XP\_024552060.1 FGRM|XP\_011325258.1 FGRM|XP\_011327604.1 SSCL|APA12832.1

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>Orthogroup11151: BCIN|XP\_024552336.1 MGRA|XP\_003848750.1 MGRA|XP\_003854747.1 MGRA|XP\_003857195.1

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>Orthogroup11153: BCIN|XP\_024552354.1 FGRM|XP\_011315822.1 MGRA|XP\_003856720.1 NCRA|XP\_963808.3

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>Orthogroup11158: BCIN|XP\_024552563.1 BGRA|VCU40800.1 MLAR|XP\_007403602.1 SSCL|APA08667.1

>Orthogroup11159: BCIN|XP\_001548187.1 BGRA|VDB88353.1 FGRM|XP\_011325686.1 SSCL|APA15565.1

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>Orthogroup11166: BCIN|XP\_024553703.1 SSCL|APA14788.1 SSCL|APA14789.1 SSCL|APA15097.1

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>Orthogroup11168: BCIN|XP\_024554026.1 BCIN|XP\_024554027.1 BCIN|XP\_024554028.1 SSCL|APA15342.1

>Orthogroup11169: BCIN|XP\_024554040.1 CFRU|XP\_031889851.1 CGLO|KAF3808239.1 CVYL|A00578

>Orthogroup11170: BCIN|XP\_024554083.1 CFRU|XP\_031892125.1 CGLO|KAF3809753.1 CVYL|A06672

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>Orthogroup11188: BGRA|VDB91179.1 BGRA|VDB91188.1 BGRA|VDB96402.1 BGRA|VDB96408.1

>Orthogroup11189: BGRA|VDB92969.1 CHIG|XP\_018150553.1 CVYL|A11158 MLAR|XP\_007406505.1

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>Orthogroup11193: CFRU|XP\_031893284.1 CFRU|XP\_031893285.1 CGLO|KAF3800773.1 CVYL|A08774

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>Orthogroup11285: CFRU|XP\_031875875.1 CGLO|KAF3802673.1 CVIN|KAF4920423.1 CVYL|A07989

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>Orthogroup11445: CFRU|XP\_031886116.1 CGLO|KAF3805495.1 CVIN|KAF4913932.1 CVYL|A05620

>Orthogroup11446: CFRU|XP\_031885922.1 CGLO|KAF3805508.1 CHIG|XP\_018155352.1 CVIN|KAF4918295.1

>Orthogroup11447: CFRU|XP\_031886190.1 CGLO|KAF3805538.1 CVIN|KAF4918307.1 CVYL|A05661

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>Orthogroup11449: CFRU|XP\_031885567.1 CGLO|KAF3810030.1 CHIG|XP\_018157744.1 CVYL|A02625

>Orthogroup11450: CFRU|XP\_031885572.1 CGLO|KAF3810024.1 CVIN|KAF4917930.1 CVYL|A02630

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>Orthogroup12245: MGRA|XP\_003856992.1 MGRA|XP\_003856993.1 MGRA|XP\_003856994.1 MGRA|XP\_003856995.1

>Orthogroup12246: MGRA|XP\_003854770.1 MGRA|XP\_003854992.1 MGRA|XP\_003854994.1 MGRA|XP\_003854995.1

>Orthogroup12247: MGRA|XP\_003848886.1 MGRA|XP\_003848887.1 MGRA|XP\_003852516.1 MGRA|XP\_003854482.1

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>Orthogroup12249: MGRA|XP\_003846968.1 MGRA|XP\_003846974.1 MGRA|XP\_003847315.1 MGRA|XP\_003854170.1

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>Orthogroup12251: MGRA|XP\_003852051.1 MGRA|XP\_003852052.1 MGRA|XP\_003852053.1 MGRA|XP\_003852767.1

>Orthogroup12252: MGRA|XP\_003849956.1 MGRA|XP\_003852116.1 MGRA|XP\_003852119.1 MGRA|XP\_003852120.1

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>Orthogroup12254: MGRA|XP\_003851494.1 MGRA|XP\_003851552.1 MGRA|XP\_003851553.1 MGRA|XP\_003852342.1

>Orthogroup12255: MGRA|XP\_003846876.1 MGRA|XP\_003847110.1 MGRA|XP\_003847505.1 MGRA|XP\_003852000.1

>Orthogroup12256: MGRA|XP\_003846943.1 MGRA|XP\_003847169.1 MGRA|XP\_003847195.1 MGRA|XP\_003850998.1

>Orthogroup12257: MGRA|XP\_003848990.1 MGRA|XP\_003848991.1 MGRA|XP\_003849014.1 MGRA|XP\_003850893.1

>Orthogroup12258: MGRA|XP\_003850917.1 MGRA|XP\_003850918.1 MGRA|XP\_003850919.1 MGRA|XP\_003850920.1

>Orthogroup12259: MGRA|XP\_003849244.1 MGRA|XP\_003849245.1 MGRA|XP\_003849246.1 MGRA|XP\_003849979.1

>Orthogroup12260: MGRA|XP\_003849327.1 MGRA|XP\_003849329.1 MGRA|XP\_003849330.1 MGRA|XP\_003849346.1

>Orthogroup12261: MGRA|XP\_003849404.1 MGRA|XP\_003849405.1 MGRA|XP\_003849406.1 MGRA|XP\_003849407.1

>Orthogroup12262: MGRA|XP\_003849533.1 MGRA|XP\_003849577.1 MGRA|XP\_003849578.1 MGRA|XP\_003849666.1

>Orthogroup12263: MGRA|XP\_003848952.1 MGRA|XP\_003848954.1 MGRA|XP\_003848960.1 MGRA|XP\_003848961.1

>Orthogroup12264: MGRA|XP\_003847133.1 MGRA|XP\_003847204.1 MGRA|XP\_003847345.1 MGRA|XP\_003847360.1

>Orthogroup12265: MGRA|XP\_003847085.1 MGRA|XP\_003847086.1 MGRA|XP\_003847149.1 MGRA|XP\_003847347.1

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>Orthogroup12267: MGRA|XP\_003847138.1 NCRA|XP\_001727970.2 NCRA|XP\_011395336.1 SSCL|APA08462.1

>Orthogroup12268: MGRA|XP\_003846934.1 MGRA|XP\_003846941.1 MGRA|XP\_003846957.1 MGRA|XP\_003847057.1

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>Orthogroup12270: MLAR|XP\_007403539.1 MLAR|XP\_007408169.1 MLAR|XP\_007412390.1 MLAR|XP\_007415577.1

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>Orthogroup12272: MLAR|XP\_007404042.1 MLAR|XP\_007407377.1 MLAR|XP\_007416160.1 MLAR|XP\_007418669.1

>Orthogroup12273: MLAR|XP\_007404014.1 MLAR|XP\_007413543.1 MLAR|XP\_007415942.1 MLAR|XP\_007418925.1

>Orthogroup12274: MLAR|XP\_007403739.1 MLAR|XP\_007403740.1 MLAR|XP\_007406447.1 MLAR|XP\_007418321.1

>Orthogroup12275: MLAR|XP\_007403771.1 MLAR|XP\_007404563.1 MLAR|XP\_007414181.1 MLAR|XP\_007418478.1

>Orthogroup12276: MLAR|XP\_007403899.1 MLAR|XP\_007412890.1 MLAR|XP\_007412891.1 MLAR|XP\_007415498.1

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>Orthogroup12280: MLAR|XP\_007404307.1 MLAR|XP\_007404777.1 MLAR|XP\_007404778.1 MLAR|XP\_007404779.1

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>Orthogroup12284: MLAR|XP\_007404432.1 MLAR|XP\_007404631.1 MLAR|XP\_007404632.1 MLAR|XP\_007412395.1

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>Orthogroup12286: MLAR|XP\_007404595.1 MLAR|XP\_007408892.1 MLAR|XP\_007412741.1 MLAR|XP\_007416216.1

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>Orthogroup12290: MLAR|XP\_007404918.1 MLAR|XP\_007404920.1 MLAR|XP\_007406974.1 MLAR|XP\_007414325.1

>Orthogroup12291: MLAR|XP\_007404927.1 MLAR|XP\_007411887.1 MLAR|XP\_007411927.1 MLAR|XP\_007412887.1

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>Orthogroup12293: MLAR|XP\_007405031.1 MLAR|XP\_007406826.1 MLAR|XP\_007408549.1 MLAR|XP\_007418534.1

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>Orthogroup12299: MLAR|XP\_007405583.1 MLAR|XP\_007408963.1 MLAR|XP\_007409105.1 MLAR|XP\_007409107.1

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>Orthogroup12301: MLAR|XP\_007405628.1 MLAR|XP\_007408789.1 MLAR|XP\_007415026.1 MLAR|XP\_007415962.1

>Orthogroup12302: MLAR|XP\_007405695.1 MLAR|XP\_007410775.1 MLAR|XP\_007415465.1 MLAR|XP\_007415466.1

>Orthogroup12303: MLAR|XP\_007405668.1 MLAR|XP\_007413201.1 MLAR|XP\_007414505.1 MLAR|XP\_007414685.1

>Orthogroup12304: MLAR|XP\_007406095.1 MLAR|XP\_007409087.1 MLAR|XP\_007417219.1 MLAR|XP\_007418277.1

>Orthogroup12305: MLAR|XP\_007406099.1 MLAR|XP\_007407984.1 MLAR|XP\_007412060.1 MLAR|XP\_007418657.1

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>Orthogroup12314: MLAR|XP\_007408065.1 MLAR|XP\_007408067.1 MLAR|XP\_007409058.1 MLAR|XP\_007409059.1

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>Orthogroup12317: MLAR|XP\_007408188.1 MLAR|XP\_007411868.1 MLAR|XP\_007411870.1 MLAR|XP\_007411871.1

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>Orthogroup12325: MLAR|XP\_007409596.1 MLAR|XP\_007413198.1 MLAR|XP\_007413331.1 MLAR|XP\_007419729.1

>Orthogroup12326: MLAR|XP\_007409877.1 MLAR|XP\_007411699.1 MLAR|XP\_007418804.1 MLAR|XP\_007419398.1

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>Orthogroup12332: MLAR|XP\_007410648.1 MLAR|XP\_007410649.1 MLAR|XP\_007412761.1 MLAR|XP\_007416126.1

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>Orthogroup12338: MLAR|XP\_007411634.1 MLAR|XP\_007411817.1 MLAR|XP\_007416850.1 MLAR|XP\_007419159.1

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>Orthogroup12345: MLAR|XP\_007413159.1 MLAR|XP\_007414607.1 MLAR|XP\_007414655.1 MLAR|XP\_007414656.1

>Orthogroup12346: MLAR|XP\_007414287.1 MLAR|XP\_007415144.1 MLAR|XP\_007415210.1 MLAR|XP\_007416756.1

>Orthogroup12347: MLAR|XP\_007414415.1 MLAR|XP\_007415127.1 MLAR|XP\_007416542.1 MLAR|XP\_007418092.1

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>Orthogroup12358: MORY|QBZ53344.1 MORY|QBZ61719.1 MORY|QBZ61769.1 MORY|QBZ66330.1

>Orthogroup12359: MORY|QBZ53553.1 MORY|QBZ57619.1 MORY|QBZ61709.1 MORY|QBZ64051.1

>Orthogroup12360: MORY|QBZ54167.1 MORY|QBZ55198.1 NCRA|XP\_011394129.1 NCRA|XP\_011394130.1

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>Orthogroup12362: MORY|QBZ54362.1 MORY|QBZ58524.1 MORY|QBZ58529.1 MORY|QBZ58534.1

>Orthogroup12363: MORY|QBZ54968.1 MORY|QBZ54969.1 MORY|QBZ54970.1 MORY|QBZ62456.1

>Orthogroup12364: MORY|QBZ55102.1 MORY|QBZ55108.1 MORY|QBZ57813.1 MORY|QBZ57821.1

>Orthogroup12365: MORY|QBZ56800.1 MORY|QBZ58392.1 MORY|QBZ66545.1 MORY|QBZ66652.1

>Orthogroup12366: MORY|QBZ57487.1 NCRA|XP\_011393219.1 NCRA|XP\_964838.1 NCRA|XP\_964839.3

>Orthogroup12367: MORY|QBZ57555.1 MORY|QBZ57622.1 MORY|QBZ63719.1 MORY|QBZ64020.1

>Orthogroup12368: MORY|QBZ57564.1 MORY|QBZ60513.1 MORY|QBZ60643.1 MORY|QBZ63624.1

>Orthogroup12369: MORY|QBZ57606.1 MORY|QBZ57607.1 MORY|QBZ59842.1 MORY|QBZ64289.1

>Orthogroup12370: MORY|QBZ59189.1 MORY|QBZ61980.1 MORY|QBZ64080.1 MORY|QBZ65249.1

>Orthogroup12371: MORY|QBZ60040.1 SSCL|APA10361.1 SSCL|APA14528.1 SSCL|APA14529.1

>Orthogroup12372: MORY|QBZ60680.1 NCRA|XP\_011394371.1 NCRA|XP\_957447.1 NCRA|XP\_963067.2

>Orthogroup12373: MORY|QBZ62080.1 MORY|QBZ64191.1 MORY|QBZ64246.1 MORY|QBZ64348.1

>Orthogroup12374: MORY|QBZ64425.1 MORY|QBZ66276.1 MORY|QBZ66609.1 MORY|QBZ66682.1

>Orthogroup12375: NCRA|XP\_956363.1 NCRA|XP\_963367.1 NCRA|XP\_964566.2 NCRA|XP\_964567.2

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>Orthogroup12378: NCRA|XP\_959132.3 NCRA|XP\_959298.1 NCRA|XP\_960234.3 NCRA|XP\_960350.1

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>Orthogroup12382: SSCL|APA11280.1 SSCL|APA13358.1 SSCL|APA13362.1 SSCL|APA13400.1

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>Orthogroup12386: ANID|CBF69470.1 CHIG|XP\_018151705.1 CHIG|XP\_018160056.1

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>Orthogroup12388: ANID|CBF69750.1 BCIN|XP\_001554505.1 SSCL|APA11842.1

>Orthogroup12389: ANID|CBF69942.1 FGRM|XP\_011321645.1 MGRA|XP\_003851455.1

>Orthogroup12390: ANID|CBF69959.1 BCIN|XP\_024553021.1 SSCL|APA16190.1

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>Orthogroup12395: ANID|CBF71841.1 CHIG|XP\_018158174.1 FGRM|XP\_011325383.1

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>Orthogroup12397: ANID|CBF73397.1 ANID|CBF82953.1 ANID|CBF85140.1

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>Orthogroup12401: ANID|CBF73620.1 MLAR|XP\_007408014.1 NCRA|XP\_964361.1

>Orthogroup12402: ANID|CBF73860.1 ANID|CBF76024.1 FGRM|XP\_011322882.1

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>Orthogroup12608: BCIN|XP\_024550936.1 SSCL|APA11724.1 SSCL|APA11725.1

>Orthogroup12609: BCIN|XP\_024550982.1 MGRA|XP\_003850553.1 SSCL|APA11592.1

>Orthogroup12610: BCIN|XP\_024551075.1 SSCL|APA12019.1 SSCL|APA12020.1

>Orthogroup12611: BCIN|XP\_001553234.2 BGRA|VDB89594.1 SSCL|APA12070.1

>Orthogroup12612: BCIN|XP\_024551128.1 BGRA|VDB89593.1 SSCL|APA12075.1

>Orthogroup12613: BCIN|XP\_001555685.2 FGRM|XP\_011320783.1 SSCL|APA10103.1

>Orthogroup12614: BCIN|XP\_024551272.1 MORY|QBZ65457.1 SSCL|APA10272.1

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>Orthogroup12616: BCIN|XP\_001545974.1 BCIN|XP\_001556995.1 SSCL|APA10809.1

>Orthogroup12617: BCIN|XP\_024551311.1 BCIN|XP\_024551314.1 SSCL|APA10567.1

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>Orthogroup12622: BCIN|XP\_001552427.1 BCIN|XP\_001552428.1 SSCL|APA14910.1

>Orthogroup12623: BCIN|XP\_024551574.1 MGRA|XP\_003853914.1 SSCL|APA14895.1

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>Orthogroup12625: BCIN|XP\_024551585.1 SSCL|APA14874.1 SSCL|APA14875.1

>Orthogroup12626: BCIN|XP\_001556786.1 MORY|QBZ60838.1 SSCL|APA14568.1

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>Orthogroup12629: BCIN|XP\_001558263.1 BCIN|XP\_001558416.1 SSCL|APA13666.1

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>Orthogroup12631: BCIN|XP\_001549082.1 BCIN|XP\_024554077.1 SSCL|APA06213.1

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>Orthogroup12638: BCIN|XP\_024552234.1 BGRA|VDB92779.1 SSCL|APA13018.1

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>Orthogroup12650: BCIN|XP\_001548191.1 BCIN|XP\_001548192.1 SSCL|APA15567.1

>Orthogroup12651: BCIN|XP\_001554728.1 BCIN|XP\_024552705.1 SSCL|APA15469.1

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>Orthogroup12653: BCIN|XP\_024552813.1 MGRA|XP\_003849020.1 SSCL|APA09539.1

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>Orthogroup12760: CFRU|XP\_031875976.1 CGLO|KAF3798553.1 CGLO|KAF3799130.1

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>Orthogroup13229: CFRU|XP\_031889735.1 CGLO|KAF3810495.1 CVYL|A14099

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