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GATTGCATTCTCCATTCACAATGCACCAAACGCTTTTGCTGGAGTCTGCAAGATCGAAAGAACTGCTCCTTTCACTGCCTTTGAATGGAATGTACAGGTTACTCCTGAAGGAGGAATTGAAGCTGTTGAAGCTGGTGTGGACATGAAAGCCATCATTGAAGTTCTGAAGATTGTTCGTGCCATTGCTACTCTGGAGGAAGAGAGTTATGAAACTTATGGCCCACACACAGCTCAGTACCAGTACCGCTTCACAAGGCCATCACCCACTTCTTACACCATGCAGATGAGGACTCCAACCCGCACCATGGAAGGAAGAGCTAAACTATCACCAAGGGAATCTGGAATCAAGTTCTACCCCAATAAGGGCAAAACTGAATCCAAATACGAAATTGGATACAAGGTCAACCACGAGGGAAGGTGGGGACAACGTGCGTCCAAGTTGGAAGTCAGAATGAACCATCCAGTGCTTCCTAAACCCATCATGGCCGCTGCTCAGTACACAGTAGCTGAAGGAACAATGAGGGGAACAATTGAACTGGACATTTTCCCAGAAGAAGCCGACAAAATTACTGGAACTGTGGAAACTCAGAGAATTTCAGAAAATGCTATCAGGGCAGAAGCCTTCTTGACTGGTAGGATGTTGAAAGTGAACCCTAAAGCTATCATCACTGCTGCCTATGCACCAGAAACAGTTGCTTTGGATGTAGTGTTCCACAAGACTCCGTCTGCAGCACCAATCTTCGCCATTGCTGCCAAGTATGACAAGACTGCAGCTCACAGTGCAGCTGCCACATTGACAGTAAAGATGGAAGAGCGACCTGTCTTTGAGATGAGTGCAGTGACCGAACCCGAGGAACCAGCCACCTGCAATGGCATCAGAATGAATGCTGTTGCTTATGCAGCAGCTTTTGGAAAGTACAACGTGTTCTCCAAGATGTGCAGGCCCGCCTTCATTGAGGTGACCGCAATGCGACCTGGTGGAGCAAAGGAGTACACTGCCAAGCTTGGCCTCCGATTCCCTGACGCTGCTGAAGCAGGCGTATATGTGGCGAGTGCTGGAGAGAGTCGCGGTGTTGCTGTTGCTGCTGTGAAGCTGGCTTCACCCAAAGTACTGAAAGTCGAGATGGCTTATGAGCCGCAAGAAGCAGAAGCAATAAGCATTGAAATGACTGAAGGATTTGAGAAGATTGCTGTATCATTCAAGTCTGTTGCAATGGAGTTCGTCCAATTCCTCAAGGAAGAGGCTGCTGCAAAGGGTGTTCAGTTCTCTTCATCTCAGTTAGTCAATTTAATGGGAGTTGCTAAGGAGGAAATTGTAGAGATCTATCGAGATATTCTCTCCGAGGCAAGAATTTTTCATACCGAAATCCTTGCTAATATTCTGGAAAGTCCTGTGGTATCCGTCATATCACGAGTCTACTTCGGTGTGCGGTCGGAAATTGTTCGCCTTCAACACCAGCTTTCCGTAACCCTCATCCAGGCGATAGAAGGAGGCCAGGAGGAATTAGCAATCGTTTATGAAATCGTAATGGAAGTTGTGATGACGGCAGCACGCATGGCAGAAACTGGAGAAGTCCCTGTGGCAGTGCTTGAGGCACTTGAGGAAATCAAAGCCAGCAAAGCTTTCAGGGTTGTGAAGAGAGAAGTGGATGTCATTTTGAGAGAATATCCGGAGGAGTATGAAGCTGTCAAGCACATCTTTGGCAACGTGGTGGCAATTCTCAAGCGAGATGTTGGCATTGTTCGTGAGTGGCTCATGGAGATTCCAGCTGTTCAGAGAGTCATCGACTACACCATGTATCACTTCCATTCGGAACGAGCATTTGCTGCAGAAGCAGAAAAGGTCGTTCGCCTCATTCTCGACGAACTTCTCTTCGTTTCAATGGAAAGCGAAGGCAACGGCGTTGCAGTCCGAATTCCCCTCCACCGACCCTTTTATTCACTAACGCAAGTGGCACAAGAAGCAGTGCCCAGCCCTGTCACAATGCTCGAGAACCTGATATTTGACTACCTTGAATACATTCCCATCCCTGTGAGCGACGCAATCTGGGCCTACTACAACTTCCTTCCACGCTACATCACGGACGCGCTGCCGCCCTACCCACGAACAGCCATGGTGGTTGGCGGCACTGAGATCCTCAGCTTCAGCGGCCTTGTTGTGCGAGCACCTCGCTCGCCCTGCAAGCTTCTCCTGGCTGCTCACGGCTCCCACCGCCTCATCATGTCCCACCCGCAAGCCTCAGCCCCGGCACAGCTTGAGCTCAAGACACCAGCAGCCACCGTGATCATCAAGCCTGACTTTGAAGTCCTGGTTAATGGCCAAGCCCTCGGGGGATCCCAGCAAACCATCGGAAACGTTAGGATTGTGAACACAGCCAAGCACATTGAGGTGGGATGTCCCCTGATGAGGGTGATCGTTGCCAAGGCAGGCGAGGCCGTAGCTGTTGAGGCTTCAGGCTGGATCTTTGGACGCGTAGCAGGGCTACTGGGCCCCAACACTGGAGAAATTGCCAATGACCGTCTCATGCCCAGCGGTGCAGCAGCCTCCAACCCCCGCGATTTGGTAGCTGCTTGGCAGGAGGACCCGCAGTGCTCCACCCCTGAGGTTCCTCATGCTGAGACCACAGTAGGTCGCCTGGTTCAGTGTGAAGCATTATTGGGGATTCGCTCAAGTTGTAACCCAGTGGTTCACCCACAGCCATTCATCAGCATGTGTCACACTGCCCACAAGGCTTGCGATGCCGCCCAAGCTTACAGAACCATTTGCTCTCTGAGAGGAGTGGAAGAAGTTTTCCCTATGGCGTGCTAACAACACCTGTTGACATGTTAACATAGACCTAGAATGTTGACGACTCATTCAGATTTTGGATATGGCTATAGATAACTGTATTTTTGTTACGTGAATGCATCATAAAAAAAAAAAAAAAAAAAATCCAAGTACTATTATTTACGAGAAGACAGAATATCTTGGAAAGCCTCGCAAGTCCATTAATATCTCTCAGAAACCGTATGAATCCAGGAAGAAAAAACTCAAATTCTGCATTATGCAATTTTGATCTTTTTGGATGATAAATTCTTCACATCAAAAAAACTGTCTTGGATCTCATATGTCATACTGGCGGCAGTGAGATCGTCACATCAGTGAAGGGAGTATTCATTCCGTAATGATTCATTTCCAAAGAATGATAAGTCATTTGTAATGTATGATTTAAAACAAGATGTTAGAATAGTTAATTATGCTAAATTCACATTATATTAGGCTGCATCATGTTTTATATATAAATTAATGCATCGTATTCATCTTCATTAAAACATACTCATTTGAGTACAGTTTATATAGACCTCAACTGCCATTGTCATTGTCATCATCATTGCTATTCTCGGTTACTTTGTATTAATTAGCTTAATAAAGTATGGATGATTTTTTCTTCCGTTCAACATTTACTTTTATTCATCACTTTAAGTAATGAATGGAAGCCTATTTATATTTGTATATATTATAGAGATTAAATATTTTTAATAAAAGTGTACCTCACTTATCTCTCTCTCCTTTGAATTAGATTCATCATACCCTCTGAAACGTCCCCATGACTTCACCAGAAAAGTAACTTTTTTATGAGAATCTTGAATGTTACAATTACTGTCCTTTTCCTCTGATGATTTTTGGTCGTTCTGTTTTGGTGTTGGCTTCGTTCACCCTTTCAGTATTTAATTATTTATTTTTTCTTGCATTTTCATTTATCAATTTTTTCATTATTTCCTTTTATGTGTTGTTTTTTTCCCTTTCAATAAAAACATCTCCAAAAGTGTGGATATGAAGGTATATTACTGATAATTTACAAGTGCATTTGTG

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>AY321153.2 Litopenaeus vannamei vitellogenin (Vg) mRNA, complete cds

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GCACCAAACGCTTTTGTTGGAGTCTGCAAGATCGAAAGAACTGCTCCTTTCACTGCCTTTGAATGGAATGTACAGGTTACTCCTGAAGGAGGAATTGAAGCTGTTGAAGCTGGTGTGGACATGAAAGCCATCATTGAAGTTCTGAAGATTGTTCGTGCCATTGCTACTCTGGAGGAAGAGAGTTATGAAACTTATGGCCCACACACAGCTCAGTACCAGTACCGCTTCACAAGGCCATCACCCACTTCTTACACCATGCAGATGAGGACTCCAACCCGCACCATGGAAGGAAGAGCTAAACTATCACCAAGGGAATCTGGAATCAAGTTCTACCCCAATAAGGGCAAAACTGAATCCAAATACGAAATTGGATACAAGGTCAACCACGAGGGAAGGTGGGGACAACGTGCGTCCAAGTTGGAAGTCAGAATGAACCATCCAGTGCTTCCTAAACCCATCATGGCCGCTGCTCAGTACACAGTAGCTGAAGGAACAATGAGGGGAACAATTGAACTGGACATTTTCCCAGAAGAAGCCGACAAAATTACTGGAACTGTGGAAACTCAGAGAATTTCAGAAAATGCTATCAGGGCAGAAGTCTTCTTGACTGGCAGGATGTTGAAAGTGAACCCTAAGGCTATCATCACTGCTGCCTATGCACCAGAAACAGTTGCTTTGGATGTAGTGTTCCACAAGACTCCGTCTGCAGCACCAATCTTCGCCATTGCTGCCAAGTATGACAAGACTGCAGCTCACAGTGCAGCTGCCACATTGACAGTAAAGATGGAAGAGCGACCTGTCTTTGAGATGAGTGCAGTGACCGAACCTGAGGAAGCAGCCACCTGCAATGGCATCAGAATGAATGCTGTTGCTTATGCAGCAGCTTTTGGAAAGTACAACGTGTTCTCCAAGATGTGCAGGCCCGCCTTCATTGAGGTGACCGCAATGCGACCTGGTGGAGCAAAGGAGTACACTGCCAAGCTTGGCCTCCGATACCCTGACGCTGCTGAAGCAGGCGTATATGTGACGAGTGGCAGAGCTGGAGAGAGTCGCGGTGTTGCTGTTGCTGCTGTGAAGCTGGCTTCACCCAAAGTACTGAAAGTCGAGATGGCTTATGAGCCGCAAGAAGCAGAAGCAATAAGCATTGAAATGACTGAAGGATTTGAGAAGATTGCTGTATCATTCAAGTCTGTTGCAATAGAGTTCGTCCAATTCCTCAAGGAAGAGGCTGCTGCAAAGGGTGTTCAGTTCTCTTCATCTCAGTTAGTCAATCTAATGGGAGTTGCTAAGGAGGAAATTGTAGAGATCTATCGAGATATTCTCTCCGAGGCAAGAATTTTTCATACCGAAATCCTTGCTAATATTCTGGAAAGTCCTGTGGTATCCGTCATATCACGAGTCTACTTCGGTGTGCGGTCGGAAATTGTTCGCCTTCAACACCAGCTTTCCGTAACCCTCATCCAGGCGATAGAAGGAGGCCAAGAGGAATTAGCAATCGTTTATGAAATCGTAATGGAAGTTGTGATGACGGCAGCACGCATGGCAGAAACTGGAGAAGTCCCTGTGGCAGTGCTTGAGGCACTTGAGGAAATCAAAGCCAGCAAAGCTTTCAGGGTTGTGAAGAGAGAAGTGGATGTCATTTTGAGAGAATATCCGGAGGAGTATGAAGCTGTCAAGCACATCTTTGGCAACGTGGTGGCAATTCTCAAGCGAGATGTTGGCATTGTTCGTGAGTGGCTCATGGAGATTCCAGCTGTTCAGAGAGTCATCGACTACACCATGTATCACTTCCATTCGGAACGAGCATTTGCTGCAGAAGCAGAAAAGGTCGTTCGCCTCATTCTCGACGAACTTCTCTTCGTTTCAATGGAAAGCGAAGGCAACGGCGTTGCAGTCCGAATTCCCCTCCACCGACCCTTTTATTCACTAACGCAAGTGGCACAAGAAGCAGTGCCCAGCCCTGTCACAATGCTCGAGAACCTGATATTTGCCTACCTTGAATACATTCCCATCCCTGTGAGCGACGCAATCTGGGCCTACTACAACTTCCTTCCACGCTACATCACGGACGCGCTGCCGCCCTACCCACGAACAGCCATGGTGGTTGGCGGCACTGAGATCCTCAGCTTCAGCGGCCTTGTTGTGCGAGCACCTCGCTCGCCCTGCAAGCTTCTCCTGGCTGCTCACGGCTCCCACCGCCTCATCATGTCCCACCCGCAAGCCTCAGCCCCGGCACAGCTTGAGCTCAAGACACCAGCAGCCACCGTGATCATCAAGCCTGACTTTGAAGTCCTGGTTAATGGCCAAGCCCTCGGGGGATCCCAGCAAACCATCGGAAACGTTAGGATTGTGAACACAGCCAAGCACATTGAGGTGGGATGTCCCCTGATGAGGGTGATCGTTGCCAAGGCAGGCGAGGCCGTAGCTGTTGAGGCTTCAGGCTGGATCTTTGGACGCGTAGCAGGGCTACTGGGCCCCAACACTGGAGAAATTGCCAATGACCGTCTCATGCCCAGCGGTGCAGCAGCCTCCAACCCCCGCGATTTGGTAGCTGCTTGGCAGGAGGACCCGCAGTGCTCCACCCCTGAGGTTCCTCATGCTGAGACCACAGTAGGTCGCCTGGTTCAGTGTGAAGCGTTGTTGGGGATTCGCTCCAGGTGTAACCCAGTGGTTCACCCACAGCCATTCATCAGCATGTGTCACACTGCCCACAAGGCTTGCGATGCCGCCCATGCTTACAGAACCATTTGCTCTCTGAGAGGAGTGGAAGAAGTTTTCCCTATGGCGTGCTAACAACACCTGTTGACATGTTAACATAGACATTAAATGTTGACGACTCATTCAGATTTTGGATATGGCTATAGGTATTAACTGTATTTTTGTTACGTAAATGCATCATAAAATGTACAAAAAAAAATCCTCAATAAAATTGCAACCAACTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

[clustalw.aln](https://www.genome.jp/tools-bin/pushfile?200823083600qN8b1+clustalw.aln)

CLUSTAL 2.1 multiple sequence alignment

CL2883.CONTIG1\_ALL -------ACCTGCCACAAAGGCGAGAACGAGTAGTCGTGGTGAGCTCGTCCAGCCAACAT

CL2883.CONTIG4\_ALL -----------------------CCGGGGAGTAGTCTTGGTGATCGCTCAGAACCACCAT

CL2883.CONTIG5\_ALL GCCCTTGAGCTGGACCTTGGACTTTCCGGAGTAGTCTTGGTGATCGCTCAGAACCACCAT

XM\_027379601 -----------------------------------------------------------T

AY321153.2 -----------------------------AGTAGTCGTGGTGAGCTCGTCCAGCCAACAT

CL2833.CONTIG3 ------------------------------------------------------------

CL2883.CONTIG2\_ALL -------ACCTGCCACAAAGGCGAGAACGAGTAGTCGTGGTGAGCTCGTCCAGCCAACAT

CL2883.CONTIG1\_ALL GACGACCTCAACTCTCCTCTTCGTTCTCGCCTTTGTGGCAGGTTGTCTGGCAGCCCCCTG

CL2883.CONTIG4\_ALL GACGACCTCACAGCTCTTCTTGGTTCTCGCCCTCGTGGCAGGCAGCCTGGCAGCCCCCTG

CL2883.CONTIG5\_ALL GACGACCTCACAGCTCTTCTTGGTTCTCGCCCTCGTGGCAGGCAGCCTGGCAGCCCCCTG

XM\_027379601 GACGACCTCACAGCTCTTCTTGGTTNNCGCCCTCGTGGCAGGCAGCCTGGCAGCCCCCTG

AY321153.2 GACGACCTCAACTCTCCTCTTCGTTCTCGCCTTTGTGGCAGGTTGTCTGGCAGCCCCCTG

CL2833.CONTIG3 ------------------------------------------------------------

CL2883.CONTIG2\_ALL GACGACCTCAACTCTCCTCTTCGTTCTCGCCTTTGTGGCAGGTTGTCTGGCAGCCCCCTG

CL2883.CONTIG1\_ALL GGGAGCGGACGTGCCAAGATGCTCCACCGAATGCCCCGTCACCGGATCCCCCAAACTGGC

CL2883.CONTIG4\_ALL GGGAGCGGACGTGCCAAGATGCTCCACCGAATGCCCCGTCACCGGATCCCCCAAACTGGC

CL2883.CONTIG5\_ALL GGGAGCGGACGTGCCAAGATGCTCCACCGAATGCCCCGTCACCGGATCCCCCAAACTGGC

XM\_027379601 GGGAGCGGACGTGCCAAGATGCTCCACCGAATGCCCCGTCACCGGATCCCCCAAACTGGC

AY321153.2 GGGAGCGGACGTGCCAAGATGCTCCACCGAATGCCCCATCACCGGATCCCCCAAACTGGC

CL2833.CONTIG3 -------------CCAAGATGCTCCACCGAATGCCCCGTCACCGGATCCCCCAAACTGGC

CL2883.CONTIG2\_ALL GGGAGCGGACGTGCCAAGATGCTCCACCGAATGCCCCGTCACCGGATCCCCCAAACTGGC

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CL2883.CONTIG1\_ALL CTACCAACCCGACAAGACCTACGCCTACCAATACTCCGGCAAGTCCAAGGTCCAGCTCAA

CL2883.CONTIG4\_ALL CTACCAACCCGACAAGACCTACGCCTACCAATACTCCGGCAAGTCCAAGGTCCAGCTCAA

CL2883.CONTIG5\_ALL CTACCAACCCGACAAGACCTACGCCTACCAATACTCCGGCAAGTCCAAGGTCCAGCTCAA

XM\_027379601 CTACCAACCCGACAAGACCTACGCCTACCAATACTCCGGCAAGTCCAAGGTCCAGCTCAA

AY321153.2 CTACCAACCCGACAAGACCTACGCCTACCAATACTCCGGCAAGTCCAAGGTCCAGCTCAA

CL2833.CONTIG3 CTACCAACCCGACAAGACCTACGCCTACCAATACTCCGGCAAGTCCAAGGTCCAGCTCAA

CL2883.CONTIG2\_ALL CTACCAACCCGACAAGACCTACGCCTACCAATACTCCGGCAAGTCCAAGGTCCAGCTCAA

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CL2883.CONTIG1\_ALL GGGCGTGGACAACGGCGACTCGGAGACCGAGTGGACGGCACAAGTTGATCTCACCTGGAT

CL2883.CONTIG4\_ALL GGGCGTGGACAACGGCGACTCGGAGACCGAGTGGACGGCACAAGTTGATCTCACCTGGAT

CL2883.CONTIG5\_ALL GGGCGTGGACAACGGCGACTCGGAGACCGAGTGGACGGCACAAGTTGATCTCACCTGGAT

XM\_027379601 GGGCGTGGACAACGGCGACTCGGAGACCGAGTGGACGGCACAAGTTGATCTCACCTGGAT

AY321153.2 GGGCGTGGACAACGGCGACTCGGAGACCGAGTGGACGGCACAAGTTGATCTCACCTGGAT

CL2833.CONTIG3 GGGCGTGGACAACGGCGACTCGGAGACCGAGTGGACGGCACAAGTTGATCTCACCTGGAT

CL2883.CONTIG2\_ALL GGGCGTGGACAACGGCGACTCGGAGACCGAGTGGACGGCACAAGTTGATCTCACCTGGAT

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CL2883.CONTIG1\_ALL CAGCCCTTGCGACATGGCCATCTCCTTCAAGAATACCAAGGTGGATGGCACCCCCGGTCC

CL2883.CONTIG4\_ALL CAGCCCTTGCGACATGGCCATCTCCTTCAAGAATACCAAGGTGGATGGCACCCCCGGTCC

CL2883.CONTIG5\_ALL CAGCCCTTGCGACATGGCCATCTCCTTCAAGAATACCAAGGTGGATGGCACCCCCGGTCC

XM\_027379601 CAGCCCTTGCGACATGGCCATCTCCTTCAAGAATACCAAGGTGGATGGCACCCCCGGTCC

AY321153.2 CAGCCCTTGCGACATGGCCATCTCCTTCAAGAATACCAAGGTGGATGGCACCCCCGGTCC

CL2833.CONTIG3 CAGCCCTTGCGACATGGCCATCTCCTTCAAGAATACCAAGGTGGATGGCACCCCCGGTCC

CL2883.CONTIG2\_ALL CAGCCCTTGCGACATGGCCATCTCCTTCAAGAATACCAAGGTGGATGGCACCCCCGGTCC

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CL2883.CONTIG1\_ALL CATCGTTGCCAGGACGCTGGAGAGACATCCACTGGTGGTGGCCGTCGTCGACGGAAGGGT

CL2883.CONTIG4\_ALL CATCGTTGCCAGGACGCTGGAGAGACATCCACTGGTGGTGGCCGTCGTCGACGGAAGGGT

CL2883.CONTIG5\_ALL CATCGTTGCCAGGACGCTGGAGAGACATCCACTGGTGGTGGCCGTCGTCGACGGAAGGGT

XM\_027379601 CATCGTTGCCAGGACGCTGGAGAGACATCCACTGGTGGTGGCCGTCGTCGACGGAAGGGT

AY321153.2 CATCGTTGCCAGGACGCTGGAGAGACATCCACTGGTGGTGGCCGTCGTCGACGGAAGGGT

CL2833.CONTIG3 CATCGTTGCCAGGACGCTGGAGAGACATCCACTGGTGGTGGCCGTCGTCGACGGAAGGGT

CL2883.CONTIG2\_ALL CATCGTTGCCAGGACGCTGGAGAGACATCCACTGGTGGTGGCCGTCGTCGACGGAAGGGT

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CL2883.CONTIG1\_ALL GCAGCACGTGTGCGCTCACCCAGAGGACGAACCATGGGCCATCAACCTGAAAAAGGGCGT

CL2883.CONTIG4\_ALL GCAGCACGTGTGCGCTCACCCAGAGGACGAACCATGGGCCATCAACCTGAAAAAGGGCGT

CL2883.CONTIG5\_ALL GCAGCACGTGTGCGCTCACCCAGAGGACGAACCATGGGCCATCAACCTGAAAAAGGGCGT

XM\_027379601 GCAGCACGTGTGCGCTCACCCAGAGGACGAACCATGGGCCATCAACCTGAAAAAGGGCGT

AY321153.2 GCAGCACGTGTGCGCTCACCCAGAGGACGAACCATGGGCCATCAACCTGAAAAAGGGCGT

CL2833.CONTIG3 GCAGCACGTGTGCGCTCACCCAGAGGACGAACCATGGGCCATCAACCTGAAAAAGGGCGT

CL2883.CONTIG2\_ALL GCAGCACGTGTGCGCTCACCCAGAGGACGAACCATGGGCCATCAACCTGAAAAAGGGCGT

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CL2883.CONTIG1\_ALL GGCTTCGGCTTTCCAGAACTCCATTCCTTCTCTGTCTGCTGTCAGCTCAGGCATCACAGT

CL2883.CONTIG4\_ALL GGCTTCGGCTTTCCAGAACTCCATTCCTTCTCTGTCTGCTGTCAGCTCAGGCATCACAGT

CL2883.CONTIG5\_ALL GGCTTCGGCTTTCCAGAACTCCATTCCTTCTCTGTCTGCTGTCAGCTCAGGCATCACAGT

XM\_027379601 GGCTTCGGCTTTCCAGAACTCCATTCCTTCTCTGTCTGCTGTCAGCTCAGGCATCACAGT

AY321153.2 GGCTTCGGCTTTCCAGAACTCCATTCCTTCTCTGTCTGCTGTCAGCTCAGGCATCACAGT

CL2833.CONTIG3 GGCTTCGGCTTTCCAGAACTCCATTCCTTCTCTGTCTGCTGTCAGCTCAGGCATCACAGT

CL2883.CONTIG2\_ALL GGCTTCGGCTTTCCAGAACTCCATTCCTTCTCTGTCTGCTGTCAGCTCAGGCATCACAGT

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CL2883.CONTIG1\_ALL AACGGAGACTGATGTTGTGGGAAAATGCCCAACAAAGTATGAAATTGAGACCGAAGGAGA

CL2883.CONTIG4\_ALL AACGGAGACTGATGTTGTGGGAAAATGCCCAACAAAGTATGAAATTGAGACCGAAGGAGA

CL2883.CONTIG5\_ALL AACGGAGACTGATGTTGTGGGAAAATGCCCAACAAAGTATGAAATTGAGACCGAAGGAGA

XM\_027379601 AACGGAGACTGATGTTGTGGGAAAATGCCCAACAAAGTATGAAATTGAGACCGAAGGAGA

AY321153.2 AACGGAGACTGATGTTGTGGGAAAATGCCCAACAAAGTATGAAATTGAGACCGAAGGAGA

CL2833.CONTIG3 AACGGAGACTGATGTTGTGGGAAAATGCCCAACAAAGTATGAAATTGAGACCGAAGGAGA

CL2883.CONTIG2\_ALL AACGGAGACTGATGTTGTGGGAAAATGCCCAACAAAGTATGAAATTGAGACCGAAGGAGA

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CL2883.CONTIG1\_ALL GAAAGTCATTGTCGTCAAGGAGAAGAACCACCGCCACTGTCAACAACGTTACCCAACACC

CL2883.CONTIG4\_ALL GAAAGTCATTGTCGTCAAGGAGAAGAACCACCGCCACTGTCAACAACGTTACCCAACACC

CL2883.CONTIG5\_ALL GAAAGTCATTGTCGTCAAGGAGAAGAACCACCGCCACTGTCAACAACGTTACCCAACACC

XM\_027379601 GAAAGTCATTGTCGTCAAGGAGAAGAACCACCGCCACTGTCAACAACGTTACCCANCACC

AY321153.2 GAAAGTCATTGTCGTCAAGGAGAAGAACCACCGCCACTGTCAACAACGTTACCTAACACC

CL2833.CONTIG3 GAAAGTCATTGTCGTCAAGGAGAAGAACCACCGCCACTGTCAACAACGTTACCCAACACC

CL2883.CONTIG2\_ALL GAAAGTCATTGTCGTCAAGGAGAAGAACCACCGCCACTGTCAACAACGTTACCCAACACC

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CL2883.CONTIG1\_ALL CGCTCATATACCTGCACTATGGCTGAAGGCTCCCCTGCCAATCCAGGAATCCACGTCACA

CL2883.CONTIG4\_ALL CGCTCATATACCTGCACTATGGCTGAAGGCTCCCCTGCCAATCCAGGAATCCACGTCACA

CL2883.CONTIG5\_ALL CGCTCATATACCTGCACTATGGCTGAAGGCTCCCCTGCCAATCCAGGAATCCACGTCACA

XM\_027379601 CGCTCATATACCTGCACTATGGCTGAAGGCTCCCCTGCCAATCCAGGAATCCACGTCACA

AY321153.2 CGCTCATATACCTGCACTATGGCTGAAGGCTCCCCTGCCAATCCAGGAATCCACGTCACA

CL2833.CONTIG3 CGCTCATATACCTGCACTATGGCTGAAGGCTCCCCTGCCAATCCAGGAATCCACGTCACA

CL2883.CONTIG2\_ALL CGCTCATATACCTGCACTATGGCTGAAGGCTCCCCTGCCAATCCAGGAATCCACGTCACA

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CL2883.CONTIG1\_ALL GTGCAAGCAGGAAATCGCCAATGGCATTTACACCGCCATCACGTGTCAGGACAAGAACAT

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CL2883.CONTIG5\_ALL GTGCAAGCAGGAAATCGCCAATGGCATTTACACCGCCATCACGTGTCAGGACAAGAACAT

XM\_027379601 GTGCAAGCAGGAAATCGCCAATGGCATTTACACCGCCATCACGTGTCAGGACAAGAACAT

AY321153.2 GTGCAAGCAGGAAATCGCCAATGGCATTTACACCGCCATCACGTGTCAGGACAAGAACAT

CL2833.CONTIG3 GTGCAAGCAGGAAATCGCCAATGGCATTTACACCGCCATCACGTGTCAGGACAAGAACAT

CL2883.CONTIG2\_ALL GTGCAAGCAGGAAATCGCCAATGGCATTTACACCGCCATCACGTGTCAGGACAAGAACAT

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CL2883.CONTIG1\_ALL CGTTCGACCTGCCATTGGAATCTACAAGTACGTGGAGGCCAGTCAGGATTCAACACTTCG

CL2883.CONTIG4\_ALL CGTTCGACCTGCCATTGGAATCTACAAGTACGTGGAGGCCAGTCAGGATTCAACACTTCG

CL2883.CONTIG5\_ALL CGTTCGACCTGCCATTGGAATCTACAAGTACGTGGAGGCCAGTCAGGATTCAACACTTCG

XM\_027379601 CGTTCGACCTGCCATTGGAATCTACAAGTACGTGGAGNCCAGTCAGGATTCAACACTTCG

AY321153.2 CGTTCGACCTGCCATTGGAATCTACAAGTACGTGGAGGCCAGTCAGGATTCAACACTTCG

CL2833.CONTIG3 CGTTCGACCTGCCATTGGAATCTACAAGTACGTGGAGGCCAGTCAGGATTCAACACTTCG

CL2883.CONTIG2\_ALL CGTTCGACCTGCCATTGGAATCTACAAGTACGTGGAGGCCAGTCAGGATTCAACACTTCG

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CL2883.CONTIG1\_ALL CTTCATCTCGGAGTCCTCCGACACTTCAGCTATCAGTGCCATCCCTTCAGGAGAAATGCA

CL2883.CONTIG4\_ALL CTTCATCTCGGAGTCCTCCGACACTTCAGCTATCAGTGCCATCCCTTCAGGAGAAATGCA

CL2883.CONTIG5\_ALL CTTCATCTCGGAGTCCTCCGACACTTCAGCTATCAGTGCCATCCCTTCAGGAGAAATGCA

XM\_027379601 CTTCATCTCGGAGTCCTCCGACACTTCAGCTATCAGTGCCATCCCTTCAGGAGAAATGCA

AY321153.2 CTTCATCTCGGAGTCCTCCGACACTTCAGCTATCAGTGCCATCCCTTCAGGAGAAATGCA

CL2833.CONTIG3 CTTCATCTCGGAGTCCTCCGACACTTCAGCTATCAGTGCCATCCCTTCAGGAGAAATGCA

CL2883.CONTIG2\_ALL CTTCATCTCGGAGTCCTCCGACACTTCAGCTATCAGTGCCATCCCTTCAGGAGAAATGCA

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CL2883.CONTIG1\_ALL AGTTGAAAGCCTCCTGTACAACCACCAAACAATGAAGGACCCACAACTGGCACCTGAGCT

CL2883.CONTIG4\_ALL AGTTGAAAGCCTCCTGTACAACCACCAAACAATGAAGGACCCACAACTGGCACCTGAGCT

CL2883.CONTIG5\_ALL AGTTGAAAGCCTCCTGTACAACCACCAAACAATGAAGGACCCACAACTGGCACCTGAGCT

XM\_027379601 AGTTGAAAGCCTCCTGTACAACCACCAAACAATGAAGGACCCACAACTGGCACCTGAGCT

AY321153.2 GGTTGAAAGCCTCCTGTACAACCACCAAACAATGAAGGACCCACAACTGGCACCTGAGCT

CL2833.CONTIG3 AGTTGAAAGCCTCCTGTACAACCACCAAACAATGAAGGACCCACAACTGGCACCTGAGCT

CL2883.CONTIG2\_ALL AGTTGAAAGCCTCCTGTACAACCACCAAACAATGAAGGACCCACAACTGGCACCTGAGCT

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CL2883.CONTIG1\_ALL GGATGAGCTCATGAAGGGGATCTGTGACAAGACCAAGGACACAGTTGAGGCTGAAGCTGC

CL2883.CONTIG4\_ALL GGATGAGCTCATGAAGGGGATCTGTGACAAGACCAAGGACACAGTTGAGGCTGAAGCTGC

CL2883.CONTIG5\_ALL GGATGAGCTCATGAAGGGGATCTGTGACAAGACCAAGGACACAGTTGAGGCTGAAGCTGC

XM\_027379601 GGATGAGCTCATGAAGGGGATCTGTGACAAGACCAAGGACACAGTTGAGGCTGAAGCTGC

AY321153.2 GGATGAGCTCATGAAGGGGATCTGTGACAAGACCAAGGACACAGTTGAGGCTGAAGCTGC

CL2833.CONTIG3 GGATGAGCTCATGAAGGGGATCTGTGACAAGACCAAGGACACAGTTGAGGCTGAAGCTGC

CL2883.CONTIG2\_ALL GGATGAGCTCATGAAGGGGATCTGTGACAAGACCAAGGACACAGTTGAGGCTGAAGCTGC

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CL2883.CONTIG1\_ALL TGCTTTGGTTGCCAAGGCTCTCCATCTGTTACGTCGTGTTCCAGAGACAGTTGTGGTGGA

CL2883.CONTIG4\_ALL TGCTTTGGTTGCCAAGGCTCTCCATCTGTTACGTCGTGTTCCAGAGACAGTTGTGGTGGA

CL2883.CONTIG5\_ALL TGCTTTGGTTGCCAAGGCTCTCCATCTGTTACGTCGTGTTCCAGAGACAGTTGTGGTGGA

XM\_027379601 TGCTTTGGTTGCCAAGGCTCTCCATCTGTTACGTCGTGTTCCAGAGACAGTTGTGGTGGA

AY321153.2 TGCTTTGGTTGCCAAGGCTCTCCATCTGTTACGTCGTGTTCCAGAGACAGTTGTGGTGGA

CL2833.CONTIG3 TGCTTTGGTTGCCAAGGCTCTCCATCTGTTACGTCGTGTTCCAGAGACAGTTGTGGTGGA

CL2883.CONTIG2\_ALL TGCTTTGGTTGCCAAGGCTCTCCATCTGTTACGTCGTGTTCCAGAGACAGTTGTGGTGGA

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CL2883.CONTIG1\_ALL GACTGCACAGAAAGTGAGACAAGGACATTACTGCAGTGACTCTGCCAGGCTGGAGAGTAT

CL2883.CONTIG4\_ALL GACTGCACAGAAAGTGAGACAAGGACATTACTGCAGTGACTCTGCCAGGCTGGAGAGTAT

CL2883.CONTIG5\_ALL GACTGCACAGAAAGTGAGACAAGGACATTACTGCAGTGACTCTGCCAGGCTGGAGAGTAT

XM\_027379601 GACTGCACAGAAAGTGAGACAAGGACATTACTGCAGTGACTCTGCCAGGCTGGAGAGTAT

AY321153.2 GACTGCACAGAAAGTGAGACAAGGACATTACTGCAGTGACTCTGCCAGGCTGGAGAGTAT

CL2833.CONTIG3 GACTGCACAGAAAGTGAGACAAGGACATTACTGCAGTGACTCTGCCAGGCTGGAGAGTAT

CL2883.CONTIG2\_ALL GACTGCACAGAAAGTGAGACAAGGACATTACTGCAGTGACTCTGCCAGGCTGGAGAGTAT

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CL2883.CONTIG1\_ALL CTTCTTGGACGCAGTTGCTTTCCTGCATGAGTCTGGTGCAGTAAAGGTCATGGTCCAAGA

CL2883.CONTIG4\_ALL CTTCTTGGACGCAGTTGCTTTCCTGCATGAGTCTGGTGCAGTAAAGGTCATGGTCCAAGA

CL2883.CONTIG5\_ALL CTTCTTGGACGCAGTTGCTTTCCTGCATGAGTCTGGTGCAGTAAAGGTCATGGTCCAAGA

XM\_027379601 CTTCTTGGACGCAGTTGCTTTCCTGCATGAGTCTGGTGCAGTAAAGGTCATGGTCCAAGA

AY321153.2 CTTCTTGGACGCAGTTGCTTTCCTGCATGAGTCTGGTGCAGTACAGGTCATGGTCCAAGA

CL2833.CONTIG3 CTTCTTGGACGCAGTTGCTTTCCTGCATGAGTCTGGTGCAGTAAAGGTCATGGTCCAAGA

CL2883.CONTIG2\_ALL CTTCTTGGACGCAGTTGCTTTCCTGCATGAGTCTGGTGCAGTACAGGTCATGGTCCAAGA

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CL2883.CONTIG1\_ALL AATCGAGAATGGACGAGCAACAGGGGGACGTCTCGCTCTGTACACGGCAGCGCTCTACCT

CL2883.CONTIG4\_ALL AATCGAGAATGGACGAGCAACAGGGGGACGTCTCGCTCTGTACACGGCAGCGCTCTACCT

CL2883.CONTIG5\_ALL AATCGAGAATGGACGAGCAACAGGGGGACGTCTCGCTCTGTACACGGCAGCGCTCTACCT

XM\_027379601 AATCGAGAATGGACGAGCAACAGGGGGACGTCTCGCTCTGTACACGGCAGCGCTCTACCT

AY321153.2 AATCCAGAATGGACGAGCAACAGGGGGACGTCTCGCTCTGTACACGGCAGCGCTCTACCT

CL2833.CONTIG3 AATCGAGAATGGACGAGCAACAGGGGGACGTCTCGCTCTGTACACGGCAGCGCTCTACCT

CL2883.CONTIG2\_ALL AATCGAGAATGGACGAGCAACAGGGGGACGTCTCGCTCTGTACACGGCAGCGCTCTACCT

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CL2883.CONTIG1\_ALL CATCCCACGACCCAGCATTGAGGCAGTCAAGGCTCTCACGCCACTCTTTGAAAGCCCTCG

CL2883.CONTIG4\_ALL CATCCCACGACCCAGCATTGAGGCAGTCAAGGCTCTCACGCCACTCTTTGAAAGCCCTCG

CL2883.CONTIG5\_ALL CATCCCACGACCCAGCATTGAGGCAGTCAAGGCTCTCACGCCACTCTTTGAAAGCCCTCG

XM\_027379601 CATCCCACGACCCAGCATTGAGGCAGTCAAGGCTCTCACGCCACTCTTTGAAAGCCCTCG

AY321153.2 CATCCCACGACCCAGCATTGAGGCAGTCAAGGCTCTCACGCCACTCTTTGAAAGCCCTCG

CL2833.CONTIG3 CATCCCACGACCCAGCATTGAGGCAGTCAAGGCTCTCACGCCACTCTTTGAAAGCCCTCG

CL2883.CONTIG2\_ALL CACCCCACGACCCAGCATTGAGGCAGTCAAGGCTCTCACGCCACTCTTTGAAAGCCCTCG

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CL2883.CONTIG1\_ALL CCCAGTGCCCTCGGTGCTGCTGGCAGCTGCTTCCATGATAAACCACTACTGCCTTCATAC

CL2883.CONTIG4\_ALL CCCAGTGCCCTCGGTGCTGCTGGCAGCTGCTTCCATGATAAACCACTACTGCCTTCATAC

CL2883.CONTIG5\_ALL CCCAGTGCCCTCGGTGCTGCTGGCAGCTGCTTCCATGATAAACCACTACTGCCTTCATAC

XM\_027379601 CCCAGTGCCCTCGGTGCTGCTGGCAGCTGCTTCCATGATAAACCACTACTGCCTTCATAC

AY321153.2 CCCAGTGCCCTCGGTGCTGCTGGCAGCTGCTTCCATGATAAACCACTACTGCCTTCATAC

CL2833.CONTIG3 CCCAGTGCCCTCGGTGCTGCTGGCAGCTGCTTCCATGATAAACCACTACTGCCTTCATAC

CL2883.CONTIG2\_ALL CCCAGTGCCCTCGGTGTTGCTGGCAGCTGCTTCCATGATAAACCACTACTGCCTTCATAC

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CL2883.CONTIG1\_ALL TCCAGCTTGCCACCAGAAAGCTCCAGTGGCGAGAATTGCAGAGATTCTGGCCACCAGAGT

CL2883.CONTIG4\_ALL TCCAGCTTGCCACCAGAAAGCTCCAGTGGCGAGAATTGCAGAGATTCTGGCCACCAGAGT

CL2883.CONTIG5\_ALL TCCAGCTTGCCACCAGAAAGCTCCAGTGGCGAGAATTGCAGAGATTCTGGCCACCAGAGT

XM\_027379601 TCCAGCTTGCCACCAGAAAGCTCCAGTGGCGAGAATTGCAGAGATTCTGGCCACCAGAGT

AY321153.2 TCCAGCTTGCCACCAGAAAGCTCCAGTGGCGAGAATTGCAGAGATTCTGGCCACCAGAGT

CL2833.CONTIG3 TCCAGCTTGCCACCAGAAAGCTCCAGTGGCGAGAATTGCAGAGATTCTGGCCACCAGAGT

CL2883.CONTIG2\_ALL TCCAGCTTGCCACCAGAAAGCTCCAGTGGCGAGAATTGCAGAGATTCTGGCCACCAGAGT

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CL2883.CONTIG1\_ALL CCAGAGTCACTGCTCTCCTTCTGCTGGTGCTGAGGGCGAGGAAGTACCCCTTGCATTCTT

CL2883.CONTIG4\_ALL CCAGAGTCACTGCTCTCCTTCTGCTGGTGCTGAGGGCGAGGAAGTACCCCTTGCATTCTT

CL2883.CONTIG5\_ALL CCAGAGTCACTGCTCTCCTTCTGCTGGTGCTGAGGGCGAGGAAGTACCCCTTGCATTCTT

XM\_027379601 CCAGAGTCACTGCTCTCCTTCTGCTGGTGCTGAGGGCGAGGAAGTACCCCTTGCATTCTT

AY321153.2 CCAGAGTCACTGCTCTCCTTCTGCTGGTGCTGAGGGCGAGGAAGTACCCCTTGCATTCTT

CL2833.CONTIG3 CCAGAGTCACTGCTCTCCTTCTGCTGGTGCTGAGGGCGAGGAAGTACCCCTTGCATTCTT

CL2883.CONTIG2\_ALL CCAGAGTCACTGCTCTCCTTCTGCTGGTGCTGAGGGCGAGGAAGTACCCCTTGCATTCTT

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CL2883.CONTIG1\_ALL CAAGGCAATAGGGAATATGGGTGTAGCTACACCTGCCGTGACAAGGGCAGCCGTCCAATG

CL2883.CONTIG4\_ALL CAAGGCAATAGGGAATATGGGTGTAGCTACACCTGCCGTGACAAGGGCAGCCGTCCAATG

CL2883.CONTIG5\_ALL CAAGGCAATAGGGAATATGGGTGTAGCTACACCTGCCGTGACAAGGGCAGCCGTCCAATG

XM\_027379601 CAAGGCAATAGGGAATATGGGTGTAGCTACACCTGCCGTGACAAGGGCAGCCGTCCAATG

AY321153.2 CAAGGCAATAGGGAATATGGGTGTAGCTACACCTGCCGTGACAAGGGCAGCCGTCCAATG

CL2833.CONTIG3 CAAGGCAATAGGGAATATGGGTGTAGCTACACCTGCCGTGACAAGGGCAGCCGTCCAATG

CL2883.CONTIG2\_ALL CAAGGCAATAGGGAATATGGGTGTAGCTACACCTGCCGTGACAAGGGCAGCCGTCCAATG

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CL2883.CONTIG1\_ALL CATTGAAGAAGAAGGACTGGAAACCAGCATTCGGGTAGCTGCAGCACAAGCCTTCAGACA

CL2883.CONTIG4\_ALL CATTGAAGAAGAAGGACTGGAAACCAGCATTCGGGTAGCTGCAGCACAAGCCTTCAGACA

CL2883.CONTIG5\_ALL CATTGAAGAAGAAGGACTGGAAACCAGCATTCGGGTAGCTGCAGCACAAGCCTTCAGACA

XM\_027379601 CATTGAAGAAGAAGGACTGGAAACCAGCATTCGGGTAGCTGCAGCACAAGCCTTCAGACA

AY321153.2 CATTGAAGAAGAAGGACTGGAAACCAGCATTCGGGTAGCTGCAGCACAAGCCTTCAGACA

CL2833.CONTIG3 CATTGAAGAAGAAGGACTGGAAACCAGCATTCGGGTAGCTGCAGCACAAGCCTTCAGACA

CL2883.CONTIG2\_ALL CATTGAAGAAGAAGGACTGGAAACCAGCATTCGGGTAGCTGCAGCACAAGCCTTCAGACA

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CL2883.CONTIG1\_ALL AGCCAATTGCTTCCGTCCAGCAGTTGAAAAGCTAGTAGACATTGCCGTCCGACCAGCCTT

CL2883.CONTIG4\_ALL AGCCAATTGCTTCCGTCCAGCAGTTGAAAAGCTAGTAGACATTGCCGTCCGACCAGCCTT

CL2883.CONTIG5\_ALL AGCCAATTGCTTCCGTCCAGCAGTTGAAAAGCTAGTAGACATTGCCGTCCGACCAGCCTT

XM\_027379601 AGCCAATTGCTTCCGTCCAGCAGTTGAAAAGCTAGTAGACATTGCCGTCCGACCAGCCTT

AY321153.2 AGCCAATTGCTTCCGTCCAGCAGTTGAAAAGCTAGTAGACATTGCCGTGCGACCAGCCTT

CL2833.CONTIG3 AGCCAATTGCTTCCGTCCAGCAGTTGAAAAGCTAGTAGACATTGCCGTCCGACCAGCCTT

CL2883.CONTIG2\_ALL AGCCAATTGCTTCCGTCCAGCAGTTGAAAAGCTAGTAGACATTGCCGTCCGACCAGCCTT

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CL2883.CONTIG1\_ALL TGACACCGAAGTCCGCATCGCTTCCTATCTGGCAGCTGTCCGATGTGCTGAACAGGAACA

CL2883.CONTIG4\_ALL TGACACCGAAGTCCGCATCGCTTCCTATCTGGCAGCTGTCCGATGTGCTGAACAGGAACA

CL2883.CONTIG5\_ALL TGACACCGAAGTCCGCATCGCTTCCTATCTGGCAGCTGTCCGATGTGCTGAACAGGAACA

XM\_027379601 TGACACCGAAGTCCGCATCGCTTCCTATCTGGCAGCTGTCCGATGTGCTGAACAGGAACA

AY321153.2 TGACACCGAAGTCCGCATCGCTTCCTATCTGGCAGCTGTCCGATGTGCTGAACAGGAACA

CL2833.CONTIG3 TGACACCGAAGTCCGCATCGCTTCCTATCTGGCAGCTGTCCGATGTGCTGAACAGGAACA

CL2883.CONTIG2\_ALL TGACACCGAAGTCCGCATCGCTTCCTATCTGGCAGCTGTCCGATGTGCTGAACAGGAACA

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CL2883.CONTIG1\_ALL CCTGGAGAAAATTATTGAGAAGATTTCAAAGGAAGAGAATACCCAAGTGCGTGGATTTGT

CL2883.CONTIG4\_ALL CCTGGAGAAAATTATTGAGAAGATTTCAAAGGAAGAGAATACCCAAGTGCGTGGATTTGT

CL2883.CONTIG5\_ALL CCTGGAGAAAATTATTGAGAAGATTTCAAAGGAAGAGAATACCCAAGTGCGTGGATTTGT

XM\_027379601 CCTGGAGAAAATTATTGAGAAGATTTCAAAGGAAGAGAATACCCAAGTGCGTGGATTTGT

AY321153.2 CCTGGAGAAAATTATTGAGAAGATTTCAAAGGAAGAGAATACCCAAGTGCGTGGATTTGT

CL2833.CONTIG3 CCTGGAGAAAATTATTGAGAAGATTTCAAAGGAAGAGAATACCCAAGTGCGTGGATTTGT

CL2883.CONTIG2\_ALL CCTGGAGAAAATTATTGAGAAGATTTCAAAGGAAGAGAATACTCAAGTGCGTGGATTTGT

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CL2883.CONTIG1\_ALL TTTGGGTCACCTGATCAACATCCAAGAGGGTAGCTGCCCCAACAAAGAAAACCTCAGGTA

CL2883.CONTIG4\_ALL TTTGGGTCACCTGATCAACATCCAAGAGGGTAGCTGCCCCAACAAAGAAAACCTCAGGTA

CL2883.CONTIG5\_ALL TTTGGGTCACCTGATCAACATCCAAGAGGGTAGCTGCCCCAACAAAGAAAACCTCAGGTA

XM\_027379601 TTTGGGTCACCTGATCAACATCCAAGAGGGTAGCTGCCCCAACAAAGAAAACCTCAGGTA

AY321153.2 TTTGGGTCACCTGATCAACATCCAAGAGGGTAGCTGCCCCAACAAAGAAAACCTCAGGTA

CL2833.CONTIG3 TTTGGGTCACCTGATCAACATCCAAGAGGGTAGCTGCCCCAACAAAGAAAACCTCAGGTA

CL2883.CONTIG2\_ALL TTTGGGTCACCTGATCAACATCCAAGAGGGTAGCTGCCCCAACAAAGAAAACCTCAGGTA

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CL2883.CONTIG1\_ALL CCTCCTTGCCAACGTTGTCATCCCTACCGACTTCGAGAAGGACTTCAGGAAATTCTCTCG

CL2883.CONTIG4\_ALL CCTCCTTGCCAACGTTGTCATCCCTACCGACTTCGAGAAGGACTTCAGGAAATTCTCTCG

CL2883.CONTIG5\_ALL CCTCCTTGCCAACGTTGTCATCCCTACCGACTTCGAGAAGGACTTCAGGAAATTCTCTCG

XM\_027379601 CCTCCTTGCCAACGTTGTCATCCCTACCGACTTCGAGAAGGACTTCAGGAAATTCTCTCG

AY321153.2 CCTCCTTGCCAACGTTGTCATCCCTACCGACTTCGAGAAGGACTTCAGGAAATTCTCCCG

CL2833.CONTIG3 CCTCCTTGCCAACGTTGTCATCCCTACCGACTTCGAGAAGGACTTCAGGAAATTCTCTCG

CL2883.CONTIG2\_ALL CCTCCTTGCCAACGTTGTCATCCCTACCGACTTCGAGAAGGACTTCAGGAAATTCTCTCG

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CL2883.CONTIG1\_ALL ACATATAGATATGGCTTACTATGCCCCTGCCTTTGGCATGGGTGCCGGCCTCGAGTCGAA

CL2883.CONTIG4\_ALL ACATATAGATATGGCTTACTATGCCCCTGCCTTTGGCATGGGTGCCGGCCTCGAGTCGAA

CL2883.CONTIG5\_ALL ACATATAGATATGGCTTACTATGCCCCTGCCTTTGGCATGGGTGCCGGCCTCGAGTCGAA

XM\_027379601 ACATATAGATATGGCTTACTATGCCCCTGCCTTTGGCATGGGTGCCGGCCTCGAGTCGAA

AY321153.2 ACATATAGATATGGCTTACTATGCCCCTGCCTTTGGCATGGGTGCCGGCCTCGAGTCGAA

CL2833.CONTIG3 ACATATAGATATGGCTTACTATGCCCCTGCCTTTGGCATGGGTGCCGGCCTCGAGTCGAA

CL2883.CONTIG2\_ALL ACATATAGATATGGCTTACTATGCCCCTGCCTTTGGCATGGGTGCCGGCCTCGAGTCGAA

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CL2883.CONTIG1\_ALL CATCATCTATGCTCCCGGATCTTTCATTCCTCGTGCTGTTAACCTGAACATGAGAGCAAC

CL2883.CONTIG4\_ALL CATCATCTATGCTCCCGGATCTTTCATTCCTCGTGCTGTTAACCTGAACATGAGAGCAAC

CL2883.CONTIG5\_ALL CATCATCTATGCTCCCGGATCTTTCATTCCTCGTGCTGTTAACCTGAACATGAGAGCAAC

XM\_027379601 CATCATCTATGCTCCCGGATCTTTCATTCCTCGTGCTGTTAACCTGAACATGAGAGCAAC

AY321153.2 CATCATCTATGCTCCCGGATCTTTCATTCCTCGTGCTGTTAACCTGAACATGAGAGCAAC

CL2833.CONTIG3 CATCATCTATGCTCCCGGATCTTTCATTCCTCGTGCTGTTAACCTGAACATGAGAGCAAC

CL2883.CONTIG2\_ALL CATCATCTATGCTCCCGGATCTTTCATTCCTCGTGCTGTTAACCTGAACATGAGAGCAAC

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CL2883.CONTIG1\_ALL TGTGGATGAGACGCCCATGGACATAGCAGAGATTGGTGCGCGCTTTGAAGGAGTCGACTC

CL2883.CONTIG4\_ALL TGTGGATGAGACGCCCATGGACATAGCAGAGATTGGTGCGCGCTTTGAAGGAGTCGACTC

CL2883.CONTIG5\_ALL TGTGGATGAGACGCCCATGGACATAGCAGAGATTGGTGCGCGCTTTGAAGGAGTCGACTC

XM\_027379601 TGTGGATGAGACGCCCATGGACATAGCAGAGATTGGTGCGCGCTTTGAAGGAGTCGATTC

AY321153.2 TGTGGATGAGACGCCCATGGACATAGCAGAGATTGGTGCGCGCTTTGAAGGAGTCGACTC

CL2833.CONTIG3 TGTGGATGAGACGCCCATGGACATAGCAGAGATTGGTGCGCGCTTTGAAGGAGTAGATTC

CL2883.CONTIG2\_ALL TGTGGATGAGACGCCCATGGACATAGCAGAGATTGGTGCGCGCTTTGAAGGAGTCGACTC

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CL2883.CONTIG1\_ALL CATCATTGAAGAGCTCTTGGGCCCACAGGGATACCTACGCAAAGCAACATTTGGAAAGAT

CL2883.CONTIG4\_ALL CATCATTGAAGAGCTCTTGGGCCCACAGGGATACCTACGCAAAGCAACATTTGGAAAGAT

CL2883.CONTIG5\_ALL CATCATTGAAGAGCTCTTGGGCCCACAGGGATACCTACGCAAAGCAACATTTGGAAAGAT

XM\_027379601 CATCATTGAAGAGCTCTTGGGCCCACAGGGATACCTACGCAAAGCAACATTTGGAAAGAT

AY321153.2 CATCATTGAAGAGCTCTTGGGCCCACAGGGATACCTACGCAAAGCAACATTTGGAAAGAT

CL2833.CONTIG3 CATCATTGAAGAGCTCTTGGGCCCACAGGGATACCTACGCAAAGCAACATTTGGAAAGAT

CL2883.CONTIG2\_ALL CATCATTGAAGAGCTCTTGGGCCCACAGGGATACCTACGCAAAGCAACATTTGGAAAGAT

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CL2883.CONTIG1\_ALL TATGGAGGACATTACGGGTTTTGCAGGAGAGAAAGGCCTCAAGATCATGGAGCACTTCAA

CL2883.CONTIG4\_ALL TATGGAGGACATTACGGGTTTTGCAGGAGAGAAAGGCCTCAAGATCATGGAGCACTTCAA

CL2883.CONTIG5\_ALL TATGGAGGACATTACGGGTTTTGCAGGAGAGAAAGGCCTCAAGATCATGGAGCACTTCAA

XM\_027379601 TATGGAGGACATTACGGGTTTTGCAGGAGAGAAAGGCCTCAAGATCATGGAGCACTTCAA

AY321153.2 TATGGAGGACATTACGGGTTTTGCAGGAGAGAAAGGCCTCAAGATCATGGAGCACATCAA

CL2833.CONTIG3 TATGGAGGACATTACGGGTTTTGCAGGAGAGAAAGGCCTCAAGATCATGGAGCACTTCAA

CL2883.CONTIG2\_ALL TATGGAGGACATTACGGGTTTTGCAGGAGAGAAAGGCCTCAAGATCATGGAGCACATCAA

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CL2883.CONTIG1\_ALL GCACACAATGAGGACCAGGCGATCCATCGATGCTTCTGTCATCTCCGACTTCTTCGGCAA

CL2883.CONTIG4\_ALL GCACACAATGAGGACCAGGCGATCCATCGATGCTTCTGTCATCTCCGACTTCTTCGGCAA

CL2883.CONTIG5\_ALL GCACACAATGAGGACCAGGCGATCCATCGATGCTTCTGTCATCTCCGACTTCTTCGGCAA

XM\_027379601 GCACACAATGAGGACCAGGCGATCCATCGATGCTTCTGTCATCTCCGACTTCTTCGGCAA

AY321153.2 GCACACAATGAGGACCAGGCGATCCATCGATGCTTCTGTCATCTCCGACTTCTTCGGCAA

CL2833.CONTIG3 GCACACAATGAGGACCAGGCGATCCATCGATGCTTCTGTCATCTCCGACTTCTTCGGCAA

CL2883.CONTIG2\_ALL GCACACAATGAGGACCAGGCGATCCATCGATGCTTCTGTCATCTCCGACTTCTTCGGCAA

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CL2883.CONTIG1\_ALL GCTGTATGGTGAGAGCAGTTCGCACACCCACGCCGATATATTCGCCCGGTTCATGGGGCA

CL2883.CONTIG4\_ALL GCTGTATGGTGAGAGCAGTTCGCACACCCACGCCGATATATTCGCCCGGTTCATGGGGCA

CL2883.CONTIG5\_ALL GCTGTATGGTGAGAGCAGTTCGCACACCCACGCCGATATATTCGCCCGGTTCATGGGGCA

XM\_027379601 GCTGTATGGTGAGAGCAGTTCGCACACCCACGCCGATATATTCGCCCGGTTCATGGGACA

AY321153.2 GCTGTATGGTGAGAGCAGTTCGCACACCCACGCCGATATATTCGCCCGGTTCATGGGACA

CL2833.CONTIG3 GCTGTATGGTGAGAGCAGTTCGCACACCCACGCCGATATATTCGCCCGGTTCATGGGGCA

CL2883.CONTIG2\_ALL GCTGTATGGTGAGAGCAGTTCGCACACCCACGCCGATATATTCGCCCGGTTCATGGGACA

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CL2883.CONTIG1\_ALL CGAGATTACTTTCGCAGATGTTGCCCAAAGCCTCAAGGGTGTCACAGCTGACACACTCAT

CL2883.CONTIG4\_ALL CGAGATTACTTTCGCAGATGTTGCCCAAAGCCTCAAGGGTGTCACAGCTGACACACTCAT

CL2883.CONTIG5\_ALL CGAGATTACTTTCGCAGATGTTGCCCAAAGCCTCAAGGGTGTCACAGCTGACACACTCAT

XM\_027379601 CGAGATTACTTTCGCAGATGTTGCCCAAAGCCTCAAGGGCGTCACAGCTGACACACTCAT

AY321153.2 CGAGATTACTTTCGCAGATGTTGCCCAAAGCCTCAAGGGCGTCACAGCTGACACACTCAT

CL2833.CONTIG3 CGAGATTACTTTCGCAGATGTTGCCCAAAGCCTCAAGGGTGTCACAGCTGACACACTCAT

CL2883.CONTIG2\_ALL CGAGATTACTTTCGCAGATGTTGCCCAAAGCCTCAAGGGCGTCACAGCTGACACACTCAT

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CL2883.CONTIG1\_ALL TGAGACTTTCTTCTCTTTCTTCGAGAATTCCTTGGAACATATGAAGGATCTTAACCTGAA

CL2883.CONTIG4\_ALL TGAGACTTTCTTCTCTTTCTTCGAGAATTCCTTGGAACATATGAAGGATCTTAACCTGAA

CL2883.CONTIG5\_ALL TGAGACTTTCTTCTCTTTCTTCGAGAATTCCTTGGAACATATGAAGGATCTTAACCTGAA

XM\_027379601 TGAGACTTTCTTCTCTTTCTTCGAGAATTCCTTGGAACATATGAAGGATCTTAACCTGAA

AY321153.2 TGAGACTTTCTTCTCTTTCTTCGAGAATTCCTTGGAACATATGAAGGATCTTAACCTGAA

CL2833.CONTIG3 TGAGACTTTCTTCTCTTTCTTCGAGAATTCCTTGGAACATATGAAGGATCTTAACCTGAA

CL2883.CONTIG2\_ALL TGAGACCTTCTTCTCTTTCTTCGAGAATTCCTTGGAACATATGAAGGATCTTAACCTAAA

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CL2883.CONTIG1\_ALL CACAGCAAGAACTGCTCAGCTTTCCATGGATTACTCACTGCCCACCATTCAGGGCACACC

CL2883.CONTIG4\_ALL CACAGCAAGAACTGCTCAGCTTTCCATGGATTACTCACTGCCCACCATTCAGGGCACACC

CL2883.CONTIG5\_ALL CACAGCAAGAACTGCTCAGCTTTCCATGGATTACTCACTGCCCACCATTCAGGGCACACC

XM\_027379601 CACAGCAAGAACTGCTCAGCTTTCCATGGATTACTCACTGCCCACCATTCAGGGCACACC

AY321153.2 CACAGCAAGAACTGCTCAGCTTTCCATGGATTACTCACTGCCCACCATTCAGGGCACACC

CL2833.CONTIG3 CACAGCAAGAACTGCTCAGCTTTCCATGGATTACTCACTGCCCACCATTCAGGGCACACC

CL2883.CONTIG2\_ALL CACAGCAAGAACTGCTCAGCTTTCCATGGATTACTCACTACCCACCATTCAGGGCACACC

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CL2883.CONTIG1\_ALL ACTCAAGCTGAACTTAGCTGCAACTGCTGTTGCTGGCCTCAAGATGGAGGGCAACGTCAA

CL2883.CONTIG4\_ALL ACTCAAGCTGAACTTAGCTGCAACTGCTGTTGCTGGCCTCAAGATGGAGGGCAACGTCAA

CL2883.CONTIG5\_ALL ACTCAAGCTGAACTTAGCTGCAACTGCTGTTGCTGGCCTCAAGATGGAGGGCAACGTCAA

XM\_027379601 ACTCAAGCTGAACTTAGCTGCAACTGCTGTTGCTGGCCTCAAGATGGAGGGCAACGTCAA

AY321153.2 ACTCAAGCTGAACTTAGCTGCAACTGCTGTTGCTGGCCTCAAGATGGAGGGCAACGTCAA

CL2833.CONTIG3 ACTCAAGCTGAACTTAGCTGCAACTGCTGTTGCTGGCCTCAAGATGGAGGGCAACGTCAA

CL2883.CONTIG2\_ALL ACTCAAGCTGAACTTAGCTGCAACTGCTGTTGCTGGCCTCAAGATGGAGGGCAACGTCAA

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CL2883.CONTIG1\_ALL CATTGGCCAGATCCTCTCTGACCTGGGCAATTCCCACACCGGCATCAAGGTGTTCCCAGG

CL2883.CONTIG4\_ALL CATTGGCCAGATCCTCTCTGACCTGGGCAATTCCCACACCGGCATCAAGGTGTTCCCAGG

CL2883.CONTIG5\_ALL CATTGGCCAGATCCTCTCTGACCTGGGCAATTCCCACACCGGCATCAAGGTGTTCCCAGG

XM\_027379601 CATTGGCCAGATCCTCTCTGACCTGGGCAATTCCCACACCGGCATCAAGGTGTTCCCAGG

AY321153.2 CATTGGCCAGATCCTCTCTGACCTGGGCAATTCCCACACCGGCATCAAGGTGTTCCCAGG

CL2833.CONTIG3 CATTGGCCAGATCCTCTCTGACCTGGGCAATTCCCACACCGGCATCAAGGTGTTCCCAGG

CL2883.CONTIG2\_ALL CATTGGCCAGATCCTCTCTGACCTGGGCAATTCCCACACCGGCATCAAGGTGTTCCCAGG

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CL2883.CONTIG1\_ALL CCTTTCTGTACAAGCCACTGGTTTTGTTGGCTTTGAGTGCCGCTTTACCAAGGTGGGAAT

CL2883.CONTIG4\_ALL CCTTTCTGTACAAGCCACTGGTTTTGTTGGCTTTGAGTGCCGCTTTACCAAGGTGGGAAT

CL2883.CONTIG5\_ALL CCTTTCTGTACAAGCCACTGGTTTTGTTGGCTTTGAGTGCCGCTTTACCAAGGTGGGAAT

XM\_027379601 CCTTTCTGTACAAGCCACTGGTTTTGTTGGCTTTGAGTGCCGCTTTACCAAGGTGGGAAT

AY321153.2 CCTTTCTGTACAAGCCACTGGTTTTGTTGGCTTTGAGTGCCGCTTTACCAAGGTGGGAAT

CL2833.CONTIG3 CCTTTCTGTACAAGCCACTGGTTTTGTTGGCTTTGAGTGCCGCTTTACCAAGGTGGGAAT

CL2883.CONTIG2\_ALL CCTTTCTGTACAAGCCACTGGTTTTGTTGGCTTTGAGTGCCGCTTTACCAAGGTGGGAAT

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CL2883.CONTIG1\_ALL CGAGATGCAGAACACCATCTCTAGTGCCACTGGAGCCGCCATCAACATCAGAACAACTGA

CL2883.CONTIG4\_ALL CGAGATGCAGAACACCATCTCTAGTGCCACTGGAGCCGCCATCAACATCAGAACAACTGA

CL2883.CONTIG5\_ALL CGAGATGCAGAACACCATCTCTAGTGCCACTGGAGCCGCCATCAACATCAGAACAACTGA

XM\_027379601 CGAGATGCAGAACACCATCTCTAGTGCCACTGGAGCCGCCATCAACATCAGAACAACTGA

AY321153.2 CGAGATGCAGAACACCATCTCTAGTGCCACTGGAGCCGCCATCAACATCAGAACAACTGA

CL2833.CONTIG3 CGAGATGCAGAACACCATCTCTAGTGCCACTGGAGCCGCCATCAACATCAGAACAACTGA

CL2883.CONTIG2\_ALL CGAGATGCAGAACACCATCTCTAGTGCCACTGGAGCCGCCATCAACATCAGAACAACTGA

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CL2883.CONTIG1\_ALL AAACAAGAAGATCGAGCTGGAATTGGAGATCCCTGACAAGATGGAACTCCTCAACATCAA

CL2883.CONTIG4\_ALL AAACAAGAAGATCGAGCTGGAATTGGAGATCCCTGACAAGATGGAACTCCTCAACATCAA

CL2883.CONTIG5\_ALL AAACAAGAAGATCGAGCTGGAATTGGAGATCCCTGACAAGATGGAACTCCTCAACATCAA

XM\_027379601 AAACAAGAAGATCGAGCTGGAATTGGAGATCCCTGACAAGATGGAACTCCTCAACATCAA

AY321153.2 AAACAAGAAGATCGAGCTGGAATTGGAGATCCCTGACAAGATGGAACTCCTCAACATCAA

CL2833.CONTIG3 AAACAAGAAGATCGAGCTGGAATTGGAGATCCCTGACAAGATGGAACTCCTCAACATCAA

CL2883.CONTIG2\_ALL AAACAAGAAGATCGAGCTGGAATTGGAGATCCCTGACAAGATGGAACTCCTCAACATCAA

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CL2883.CONTIG1\_ALL GGCCGAGACTTACCTTGTCAAAGCTAGGGGAAAGAAGATGACTAAGATTTCTCCTTCCTC

CL2883.CONTIG4\_ALL GGCCGAGACTTACCTTGTCAAAGCTAGGGGAAAGAAGATGACTAAGATTTCTCCTTCCTC

CL2883.CONTIG5\_ALL GGCCGAGACTTACCTTGTCAAAGCTAGGGGAAAGAAGATGACTAAGATTTCTCCTTCCTC

XM\_027379601 GGCCGAGACTTACCTTGTCAAAGCTAGGGGAAAGAAGATGACTAAGATTTCTCCTTCCTC

AY321153.2 GGCCGAGACTTACCTTGTCAAAGCTAGGGGAAAGAAGATGACTAAGATTTCTCCTTCCTC

CL2833.CONTIG3 GGCCGAGACTTACCTTGTCAAAGCTAGGGGAAAGAAGATGACTAAGATTTCTCCTTCCTC

CL2883.CONTIG2\_ALL GGCCGAGACTTACCTTGTCAAAGCTAGGGGAAAGAAGATGACTAAGATTTCTCCTTCCTC

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CL2883.CONTIG1\_ALL CATGAGAGATGTCAGGATTGAGCGCAGGTCCTGCATTGCTGCTTTGGAACCAGTATTTGG

CL2883.CONTIG4\_ALL CATGAGAGATGTCAGGATTGAGCGCAGGTCCTGCATTGCTGCTTTGGAACCAGTATTTGG

CL2883.CONTIG5\_ALL CATGAGAGATGTCAGGATTGAGCGCAGGTCCTGCATTGCTGCTTTGGAACCAGTATTTGG

XM\_027379601 CATGAGAGATGTCAGGATTGAGCGCAAGTCCTGCATTGCTGCTTTGGAACCAGTATTTGG

AY321153.2 CATGAGAGATGTCAGGATTGAGCGCAAGTCCTGCATTGCTGCTTTGGAACCAGTATTTGG

CL2833.CONTIG3 CATGAGAGATGTCAGGATTGAGCGCAGGTCCTGCATTGCTGCTTTGGAACCAGTATTTGG

CL2883.CONTIG2\_ALL CATGAGAGATGTCAGGATTGAGCGCAAGTCCTGCATTGCTGCTTTGGAACCAGTATTTGG

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CL2883.CONTIG1\_ALL CCTCAAGGTGTGCTATGACATGAACTTCCCTGATGTGTTCCGTGCTAATGCCCTGCCACT

CL2883.CONTIG4\_ALL CCTCAAGGTGTGCTATGACATGAACTTCCCTGATGTGTTCCGTGCTAATGCCCTGCCACT

CL2883.CONTIG5\_ALL CCTCAAGGTGTGCTATGACATGAACTTCCCTGATGTGTTCCGTGCTAATGCCCTGCCACT

XM\_027379601 CCTCAAGGTGTGCTATGACATGAACTTCCCTGATGTGTTCCGTGCTAATGCCCTGCCACT

AY321153.2 CCTCAAGGTGTGCTATGACATGAACTTCCCTGATGTGTTCCGTGCTAATGCCCTGCCACT

CL2833.CONTIG3 CCTCAAGGTGTGCTATGACATGAACTTCCCTGATGTGTTCCGTGCTAATGCCCTGCCACT

CL2883.CONTIG2\_ALL CCTCAAGGTGTGCTATGACATGAACTTCCCTGATGTGTTCCGTGCTAATGCCCTGCCACT

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CL2883.CONTIG1\_ALL TGGTGAACCAGCCATCGCCAAGCTGTACGTTGAGAAGGCAGATCCTTCCATGAGAGGTTA

CL2883.CONTIG4\_ALL TGGTGAACCAGCCATCGCCAAGCTGTACGTTGAGAAGGCAGATCCTTCCATGAGAGGTTA

CL2883.CONTIG5\_ALL TGGTGAACCAGCCATCGCCAAGCTGTACGTTGAGAAGGCAGATCCTTCCATGAGAGGTTA

XM\_027379601 TGGTGAACCAGCCATCGCCAAGCTGTACGTTGAGAAGGCAGATCCTTCCATGAGAGGTTA

AY321153.2 TGGTGAACCAGCCATCGCCAAGCTGTACGTTGAGAAGGCAGATCCTTCCATGAGAGGTTA

CL2833.CONTIG3 TGGTGAACCAGCCATCGCCAAGCTGTACGTTGAGAAGGCAGATCCTTCCATGAGAGGTTA

CL2883.CONTIG2\_ALL TGGTGAACCAGCCATCGCCAAGCTGTACGTTGAGAAGGCAGATCCTTCCATGAGAGGTTA

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CL2883.CONTIG1\_ALL CTTAGTGACTGCTGCCATTAAGAACAAGAGAGGCAACAAGCTCATTAAGATGAATGTAGA

CL2883.CONTIG4\_ALL CTTAGTGACTGCTGCCATCAAGAACAAGAGAGGTAACAAGCTCATTAAGATGAATGTAGA

CL2883.CONTIG5\_ALL CTTAGTGACTGCTGCCATCAAGAACAAGAGAGGTAACAAGCTCATTAAGATGAATGTAGA

XM\_027379601 CTTAGTGACTGCTGCCATCAAGAACAAGAGAGGTAACAAGCTCATTAAGATGAATGTAGA

AY321153.2 CTTAGTGACTGCTGCCATCAAGAACAAGAGAGGTAACAAGCTCATTAAGATGAATGTAGA

CL2833.CONTIG3 CTTAGTGACTGCTGCCATCAAGAACAAGAGAGGTAACAAGCTCATTAAGATGAATGTAGA

CL2883.CONTIG2\_ALL CTTAGTGACTGCTGCCATCAAGAACAAGAGAGGTAACAAGCTCATTAAGATGAATGTAGA

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CL2883.CONTIG1\_ALL AGCAGCTGGTGCCTCAACACCAAGAAGAGCAGAAATGACCCTGTCCTACACCAAGGAAGA

CL2883.CONTIG4\_ALL AGCAGCTGGTGCCTCAACACCAAGAAGAGCAGAAATGACCCTGTCCTACACCAAGGAAGA

CL2883.CONTIG5\_ALL AGCAGCTGGTGCCTCAACACCAAGAAGAGCAGAAATGACCCTGTCCTACACCAAGGAAGA

XM\_027379601 AGCAGCTGGTGCCTCAACACCAAGAAGAGCAGAAATGACCCTGTCCTACACCAAGGAAGA

AY321153.2 AGCAGCTGGTGCCTCAACACCAAGAAGAGCAGAAATGACCCTGTCCTACACCAAGGAAGA

CL2833.CONTIG3 AGCAGCTGGTGCCTCAACACCAAGAAGAGCAGAAATGACCCTGTCCTACACCAAGGAAGA

CL2883.CONTIG2\_ALL AGCAGCTGGTGCCTCAACACCAAGAAGAGCAGAAATGACCCTGTCCTACACCAAGGAAGA

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CL2883.CONTIG1\_ALL AGGAAGCCACATTGTTTCTGCCAAGCTTGATTCCTCCAGCATTGCTGCAGGAGTGTGGAC

CL2883.CONTIG4\_ALL AGGAAGCCACATTGTTTCTGCCAAGCTTGATTCCTCCAGCATTGCTGCAGGAGTGTGGAC

CL2883.CONTIG5\_ALL AGGAAGCCACATTGTTTCTGCCAAGCTTGATTCCTCCAGCATTGCTGCAGGAGTGTGGAC

XM\_027379601 AGGAAGCCACATTGTTTCTGCCAAGCTTGATTCCTCCAGCATTGCTGCAGGAGTGTGGAC

AY321153.2 AGGAAGCCACATTGTTTCTGCCAAGCTTGATTCCTCCAGCATTGCTGCAGGAGTGTGGAC

CL2833.CONTIG3 AGGAAGCCACATTGTTTCTGCCAAGCTTGATTCCTCCAGCATTGCTGCAGGAGTGTGGAC

CL2883.CONTIG2\_ALL AGGAAGCCACATTGTTTCTGCCAAGCTTGATTCCTCCAGCATTGCTGCAGGAGTGTGGAC

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CL2883.CONTIG1\_ALL TACTCTCACCAACGAGCAAGGACACAAGGCAGTAGAGACTTATGTCAACTTCAAATATGG

CL2883.CONTIG4\_ALL TACTCTCACCAACGAGCAAGGACACAAGGCAGTAGAGACTTATGTCAACTTCAAATATGG

CL2883.CONTIG5\_ALL TACTCTCACCAACGAGCAAGGACACAAGGCAGTAGAGACTTATGTCAACTTCAAATATGG

XM\_027379601 TACTCTCACCAACGAGCAAGGACACAAGGCAGTAGAGACTTATGTCAACTTCAAATATGG

AY321153.2 CACTCTCATCAACGAGCAAGGACACAAGGCAGTAGAGACTTATGTCAACTTCAAATATGG

CL2833.CONTIG3 TACTCTCACCAACGAGCAAGGACACAAGGCAGTAGAGACTTATGTCAACTTCAAATATGG

CL2883.CONTIG2\_ALL TACTCTCACCAACGAGCAAGGACACAAGGCAGTAGAGACTTATGTCAACTTCAAATATGG

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CL2883.CONTIG1\_ALL TCAGACTGCTATTTCTCGAGGCATCAAGCTGGAAGCGATTGCAAGGGAAGGAAGCGTGGG

CL2883.CONTIG4\_ALL TCAGACTGCTATTTCTCGAGGCATCAAGCTGGAAGCGATTGCAAGGGAAGGAAGCGTGGG

CL2883.CONTIG5\_ALL TCAGACTGCTATTTCTCGAGGCATCAAGCTGGAAGCGATTGCAAGGGAAGGAAGCGTGGG

XM\_027379601 TCAGACTGCTATTTCTCGAGGCATCAAGCTGGAAGCGATTGCAAGGGAAGGAAGTGTGGG

AY321153.2 TCAGACTGCTATTTCTCGAGGCATCAAGCTGGAAGCGATTGCAAGGGAAGGAAGTGTGGG

CL2833.CONTIG3 TCAGACTGCTATTTCTCGAGGCATCAAGCTGGAAGCGATTGCAAGGGAAGGAAGCGTGGG

CL2883.CONTIG2\_ALL TCAGACTGCTATTTCTCGAAGCATCAAGCTGGAAGCGATTGCAAGGGAAGGAAGTGTGGG

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CL2883.CONTIG1\_ALL AGAGGAATTCCAAGTGAACGTTTTCAGCAGCGGCACCAGGAGCTTCCCCTCTAAATCTCA

CL2883.CONTIG4\_ALL AGAGGAATTCCAAGTGAACGTTTTCAGCAGCGGCACCAGGAGCTTCCCCCTCGACTCTCA

CL2883.CONTIG5\_ALL AGAGGAATTCCAAGTGAACGTTTTCAGCAGCGGCACCAGGAGCTTCCCCCTCGACTCTCA

XM\_027379601 AGAGGAATTCCAAGTGAACGTTTTCAGCAGCGGCACCAGGAGCTTCCCCCTCGACTCTCA

AY321153.2 AGAGGAATTCCAAGTGAACGTTTTCAGCAGCGGCACCAGGAGCTTCCCCCTCGACTCTCA

CL2833.CONTIG3 AGAGGAATTCCAAGTGAACGTTTTCAGCAGCGGCACCAGGAGCTTCCCCTCTAAATCTCA

CL2883.CONTIG2\_ALL AGAGGAATTCCAAGTGAACGTTTTCAGCAGCGGCACCAGGAGCTTCCCCTCTAAATCTCA

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CL2883.CONTIG1\_ALL AATTGTAGAGGCTAAATTCATCAAGAAAACTAGTGGACCTGAATTCAATGTGGATGTGAT

CL2883.CONTIG4\_ALL CATTGTGGAGGCTAAATTCATCAAGAAAACTAGTGGACCTGAATTCAATGTGGATGTGAT

CL2883.CONTIG5\_ALL CATTGTGGAGGCTAAATTCATCAAGAAAACTAGTGGACCTGAATTCAATGTGGATGTGAT

XM\_027379601 CATTGTGGAGGCTAAATTCATCAAGAAAACTAGTGGACCTGAATTCAATGTGGATGTGAT

AY321153.2 CATTGTGGAGGCTAAATTCATCAAGAAAACTAGTGGACCTGAATTCAATGTGGATGTGAT

CL2833.CONTIG3 AATTGTAGAGGCTAAATTCATCAAGAAAACTAGCGGACCCGTAGTTAATGTGGATGTGAT

CL2883.CONTIG2\_ALL AATTGTAGAGGCTAAATTCATCAAGAAAACTAGCGGACCCGTAGTTAATGTGGATGTGAT

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CL2883.CONTIG1\_ALL CTGCATGACCAAAAATGCTTTAGCTGATTATTTCGACTTAAACATTGAAGTTGGAGCTGA

CL2883.CONTIG4\_ALL CTGCATGACCAAAAATGCTTTAGCTGATTATTTCGACTTAAACATTGAAGTTGGAGCTGA

CL2883.CONTIG5\_ALL CTGCATGACCAAAAATGCTTTAGCTGATTATTTCGACTTAAACATTGAAGTTGGAGCTGA

XM\_027379601 CTGCATGACCAAAAATGCTTTAGCTGATTATTTCGACTTAAACATTGAAGTTGGAGCTGA

AY321153.2 CTGCATGACCAAAAATGCTTTAGCTGATTATTTCGACTTAAACATTGAAGTTGGAGCTGA

CL2833.CONTIG3 TTGCAGGACCAGAAATGGTCTGGCTGAATACTTCAACCTCAATATGGAAGTGGGAGCTGA

CL2883.CONTIG2\_ALL TTGCAGGACCAGAAATGGTCTGGCTGAATACTTCAACCTCAATATGGAAGTGGGAGCTGA

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CL2883.CONTIG1\_ALL TTTCATGAGATTTTCTCCTAAAGCTCTGTATTCAACAAGATACATTCCCAAGACCCGCAT

CL2883.CONTIG4\_ALL TTTCATGAGATTTTCTCCTAAAGCTCTGTATTCAACAAGATACATTCCCAAGACCCGCAT

CL2883.CONTIG5\_ALL TTTCATGAGATTTTCTCCTAAAGCTCTGTATTCAACAAGATACATTCCCAAGACCCGCAT

XM\_027379601 TTTCATGAGATTTTCTCCTAAGGCTCTGTATTCAACAAGATACATTCCCAAGACCCGCAT

AY321153.2 TTTCATGAGATTTTCTCCTAAAGCTCTGTATTCAACAAGATACATTCCCAAGACCCGCAT

CL2833.CONTIG3 CCTCATGGAGTTCTCCTCAGAGGACACATACAGGACCAGGTACATTCCCAAGTTCCGCAT

CL2883.CONTIG2\_ALL CCTCATGGAGTTCTCCTCAGAGGACACATACAGGACCAGGTACATTCCCAAGTTCCGCAT

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CL2883.CONTIG1\_ALL TTTCTTACCTGTAAACCTGCGAAAGCTAGAAATCAATGCTGCCACTGCAGCCTGGAAAGT

CL2883.CONTIG4\_ALL TTTCTTACCTGTAAACCTGCGAAAGCTAGAAATCAATGCTGCCACTGCAGCCTGGAAAGT

CL2883.CONTIG5\_ALL TTTCTTACCTGTAAACCTGCGAAAGCTAGAAATCAATGCTGCCACTGCAGCCTGGAAAGT

XM\_027379601 TTTCTTACCTGTAAACCTGCGAAAGCTAGAAATCAATGCTGCCACTGCAGCCTGGAAAGT

AY321153.2 TTTCTTACCTGTAAACCTGCGAAAGCTAGAAATCAATGCTGCCACTGCAGCCTGGAAAGT

CL2833.CONTIG3 TCTTTTCCCTGTAACTTTGCGGAAGGTGGAAGTGCATGCCGAAACTGGAGCTTGGAGACT

CL2883.CONTIG2\_ALL TCTTTTCCCTGTAACTTTGCGGAAGGTGGAAGTGCATGCCGAAACTGGAGCTTGGAGACT

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CL2883.CONTIG1\_ALL GACGTCGTACATTCGTGAAGGAAGTCAATCTGGCGAAAGCCGTGAGTTCAGTTCTGCTTT

CL2883.CONTIG4\_ALL GACGTCGTACATTCGTGAAGGAAGTCAATCTGGCGAAAGCCGTGAGTTCAGTTCTGCTTT

CL2883.CONTIG5\_ALL GACGTCGTACATTCGTGAAGGAAGTCAATCTGGCGAAAGCCGTGAGTTCAGTTCTGCTTT

XM\_027379601 GACGTCGTACATTCGTGAAGGAAGTCAATCTGGCGAAAGCCGTGAGTTCAGTTCTGCTTT

AY321153.2 GACGTCGTACATTCGTGAAGGAAGTCAATCTGGCGAAAGCCGTGAGTTCAGTTCTGCTTT

CL2833.CONTIG3 GGCATCATACATCCGCGAAGGCAGCCAGTCTGGACAAATCAGCGAGCACATTTCTGCACT

CL2883.CONTIG2\_ALL GGCATCATACATCCGCGAAGGCAGCCAGTCTGGACAAATCAGCGAGCACATTTCTGCACT

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CL2883.CONTIG1\_ALL CAAGCTTGCCAAGGGAAGGACGGATGTCATCTTTGTACAGGCTACTCATACGATTGAAGG

CL2883.CONTIG4\_ALL CAAGCTTGCCAAGGGAAGGACGGATGTCATCTTTGTACAGGCTACTCATACGATTGAAGG

CL2883.CONTIG5\_ALL CAAGCTTGCCAAGGGAAGGACGGATGTCATCTTTGTACAGGCTACTCATACGATTGAAGG

XM\_027379601 CAAGCTTGCCAAGGGAAGGACGGATGTCATCTTTGTACAGGCTACTCATACGATTGAAGG

AY321153.2 CAAGCTTGCCAAGGGAAGGACGGATGTCATCTTTGTACAGGCTACTCATACGATTGAAGG

CL2833.CONTIG3 CAGGCTAGCAAAGGGAAGCAAAGATATCATCTCTGTTGAAGCCACTCACACGATTGAGGG

CL2883.CONTIG2\_ALL CAGGCTAGCAAAGGGAAGCAAAGATATCATCTCTGTTGAAGCCACTCACACGATTGAGGG

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CL2883.CONTIG1\_ALL CAGATTCCCACAAAACGTCATCATCAAAAATGTAGCAACAGCCAAAGTTGGCAGATCATC

CL2883.CONTIG4\_ALL CAGATTCCCACAAAACGTCATCATCAAAAATGTAGCAACAGCCAAAGTTGGCAGATCATC

CL2883.CONTIG5\_ALL CAGATTCCCACAAAACGTCATCATCAAAAATGTAGCAACAGCCAAAGTTGGCAGATCATC

XM\_027379601 CAGATTCCCACAAAACGTCATCATCAAAAATGTAGCAACAGCCAAAGTTGGCAGATCATC

AY321153.2 CAGATTCCCACAAAACGTCATCATCAAAAATGTAGCAACAGCCAAAGTTGGCAGATCATC

CL2833.CONTIG3 AGCTTTCCCGGAAAACATCATCATCAAAAATGAAGCAACAGTTGATATTGGCAGATCATC

CL2883.CONTIG2\_ALL AGCTTTCCCGGAAAACATCATCATCAAAAATGAAGCAACAGTTGATATTGGCAGATCATC

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CL2883.CONTIG1\_ALL ATACAGAGCAATGTATGATGTCTTCTATCACCCTGAAAAAGTGGGAGCTTCTATTGAGGT

CL2883.CONTIG4\_ALL ATACAGAGCAATGTATGATGTCTTCTATCACCCTGAAAAAGTGGGAGCTTCTATTGAGGT

CL2883.CONTIG5\_ALL ATACAGAGCAATGTATGATGTCTTCTATCACCCTGAAAAAGTGGGAGCTTCTATTGAGGT

XM\_027379601 ATACAGAGCAATGTATGATGTCTTCTATCACCCTGAAAAAGTGGGAGCTTCTATTGAGGT

AY321153.2 ATACAGAGCAATGTATGATGTCTTCTATCACCCTGAAAAAGTGGGAGCTTCTATTGAGGT

CL2833.CONTIG3 ATACAAAGCCATCTATGATGTAATCTACCAGGCTGAAAAGGTCGGGGCTTCTATGGAAGT

CL2883.CONTIG2\_ALL ATACAAAGCCATCTATGATGTAATCTACCAGGCTGAAAAGGTCGGGGCTTCTATGGAAGT

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CL2883.CONTIG1\_ALL TTTGCAGGCAGCAGGTAATGAGAAGGTTGCCCAGATAGAAGCAATTTACGAAATTTCCGG

CL2883.CONTIG4\_ALL TTTGCAGGCAGCAGGTAATGAGAAGGTTGCCCAGATAGAAGCAATTTACGAAATTTCCGG

CL2883.CONTIG5\_ALL TTTGCAGGCAGCAGGTAATGAGAAGGTTGCCCAGATAGAAGCAATTTACGAAATTTCCGG

XM\_027379601 TTTGCAGGCAGCAGGTAATGAGAAGGTTGCCCAGATAGAAGCAATTTACGAAATTTCCGG

AY321153.2 TTTGCAGGCAGCAGGTAATGAGAAGGTTGCCCAGATAGAAGCAATTTACGAAATTTCCGG

CL2833.CONTIG3 CGTCCGCACGGGAGACAATGAGAAAATTGTTAAACTGGACGCAATCTATCATCATTCAGG

CL2883.CONTIG2\_ALL CGTCCGCACGGGAGACAATGAGAAAATTGTTAAACTGGACGCAATCTATCATCATTCAGG

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CL2883.CONTIG1\_ALL AGAGAAGCACTGCGCTAAATTCTTGGCGGCCATTCCTGGCTACATTCAACCAGTTAAAGT

CL2883.CONTIG4\_ALL AGAGAAGCACTGCGCTAAATTCTTGGCGGCCATTCCTGGCTACATTCAACCAGTTAAAGT

CL2883.CONTIG5\_ALL AGAGAAGCACTGCGCTAAATTCTTGGCGGCCATTCCTGGCTACATTCAACCAGTTAAAGT

XM\_027379601 AGAGAAGCACTGCGCTAAATTCTTGGCGGCCATTCCTGGCTACATTCAACCAGTTAAAGT

AY321153.2 AGAGAAGCACTGCGCTAAATTCTTGGCGGCCATTCCTGGCTACATTCAACCAGTTAAAGT

CL2833.CONTIG3 AGCAGAATACAGCACTAATTTCTTGCTGAAGGTTCCCACTTACATGAAACCTCTCAAGAT

CL2883.CONTIG2\_ALL AGCAGAATACAGCACTAATTTCTTGCTGAAGGTTCCCACTTACATGAAACCTCTCAAGAT

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CL2883.CONTIG1\_ALL TGAAGCCGAGATTGAACAAGAAGCAGAAGGTCGCTACGCACTGGAGGCCGCCATCAAATA

CL2883.CONTIG4\_ALL TGAAGCCGAGATTGAACAAGAAGCAGAAGGTCGCTACGCACTGGAGGCCGCCATCAAATA

CL2883.CONTIG5\_ALL TGAAGCCGAGATTGAACAAGAAGCAGAAGGTCGCTACGCACTGGAGGCCGCCATCAAATA

XM\_027379601 TGAAGCCGAGATTGAACAAGAAGCAGAAGGTCGCTACGCACTGGAGGCCGCCATCAAATA

AY321153.2 TGAAGCCGAGATTGAACAAGAAGCAGAAGGTCGCTACGCACTGGAGTCCGCCATCAAATA

CL2833.CONTIG3 TCAGGCCAAGATTGGAGAAGAAGCAGAGGGTCGCTACATGCTGGAAACAGCCATCAAATA

CL2883.CONTIG2\_ALL TCAGGCCAAGATTGGAGAAGAAGCAGAGGGTCGCTACATGCTGGAAACAGCCATCAAATA

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CL2883.CONTIG1\_ALL TGGACCACGTACAGTACTTGGAGTGAGTGGACCAGTCCTAGCTCGTTTCACCTCCAAAGC

CL2883.CONTIG4\_ALL TGGACCACGTACAGTACTTGGAGTGAGTGGACCAGTCCTAGCTCGTTTCACCTCCAAAGC

CL2883.CONTIG5\_ALL TGGACCACGTACAGTACTTGGAGTGAGTGGACCAGTCCTAGCTCGTTTCACCTCCAAAGC

XM\_027379601 TGGACCACGTACAGTACTTGGAGTGAGTGGACCAGTCCTAGCTCGTTTCACCTCCAAAG-

AY321153.2 TGGACCACGTACAGTACTTGGAGTGAGTGGACCAGTCCTAGCTCGTTTCACCTCCAAAGC

CL2833.CONTIG3 TGGTCAGCGTATGATACTTGAAGCTAATGGGCCAATCATGGCACGTCTTTCCTCCAAGAT

CL2883.CONTIG2\_ALL TGGTCAGCGTATGATACTTGAAGCTAATGGGCCAATCATGGCACGTCTTTCCTCCAAGAT

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CL2883.CONTIG1\_ALL CAACAAGCTGCAAGCCAACATCAAGCTCAGGGCAATGGCAAGTGAGCCCTACATCATTGG

CL2883.CONTIG4\_ALL CAACAAGCTGCAAGCCAACATCAAGCTCAGGGCAATGGCAAGTGAGCCCTACATCATTGG

CL2883.CONTIG5\_ALL CAACAAGCTGCAAGCCAACATCAAGCTCAGGGCAATGGCAAGTGAGCCCTACATCATTGG

XM\_027379601 --CAAAGCTGCAAGCCAACATCAAGCTCAGGGCAATGGCAAGTGAGCCCTACATCATTGG

AY321153.2 CAACAAGCTGCAAGCCAACATCAAGCTCAGGGCAATGGCAAGTGAGCCCTACATCATTGG

CL2833.CONTIG3 TGCAAAGATGCAGGCCAACATCAAACTCAGTGCATTGGCAAGTGAACCCTACATCATTGG

CL2883.CONTIG2\_ALL TGCAAAGATGCAGGCCAACATCAAACTCAGTGCATTGGCAAGTGAACCCTACATCATTGG

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CL2883.CONTIG1\_ALL TGCCAATGTTGTGTTTGGCAACAAGAAACAGGTGATAGCCATGGAAATCAAGGAGCGAGA

CL2883.CONTIG4\_ALL TGCCAATGTTGTGTTTGGCAACAAGAAACAGATGATCGCCATGGAAATCAAGGAGCGATC

CL2883.CONTIG5\_ALL TGCCAATGTTGTGTTTGGCAACAAGAAACAGATGATCGCCATGGAAATCAAGGAGCGATC

XM\_027379601 TGCCAATGTTGTGTTTGGCAACAAGAAACAGATGATCGCCATGGAAATCAAGGAGCGATC

AY321153.2 TGCCAATGTTGTGTTTGGCAACAAGAAACAGATGATCGCCATGGAAATCAAGGAGCGATC

CL2833.CONTIG3 TGCCAATGTTGTGTTTGGCAACAAGAAACAGGTGATAGCCATGGAAATCAAGGAGCGAGA

CL2883.CONTIG2\_ALL TGCCAATGTTGTGTTTGGCAACAAGAAACAGGTGATAGCCATGGAAATCAAGGAGCGAGA

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CL2883.CONTIG1\_ALL AGAGCCACTCTTTGGTGTAGAATGGAAGATGGTTCAAGAGAGTTCTGAGAAGACCACTGT

CL2883.CONTIG4\_ALL AGAACCTCTCATTGGTCTTGAATGGAGAATGGTCCGAGAAAGTTCCGAGAAGACCACTAT

CL2883.CONTIG5\_ALL AGAACCTCTCATTGGTCTTGAATGGAGAATGGTCCGAGAAAGTTCCGAGAAGACCACTAT

XM\_027379601 AGAACCTCTCATTGGTCTTGAATGGAGAATGGTCCGAGAAAGTTCCGAGAAGACCACTAT

AY321153.2 AGAACCTCTCATTGGTCTTGAATGGAGAATGGTCCGAGAAAGTTCCGAGAAGACCACTAT

CL2833.CONTIG3 AGAGCCACTCTTTGGTGTAGAATGGAAGATGGTTCAAGAGAGTTCTGAGAAGACCACTGT

CL2883.CONTIG2\_ALL AGAGCCACTCTTTGGTGTAGAATGGAAGATGGTTCAAGAGAGTTCTGAGAAGACCACTGT

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CL2883.CONTIG1\_ALL TGGCATAGCATTCGTTCTCCCTGCCCTTATTGAGAACAAGGTCGATGCCATTATTACTGA

CL2883.CONTIG4\_ALL TGGTGTAGTGTTTGTCCTCCCTGCCCTTATTGAGCAGAAAGTCGATGCTGAAATTACTGA

CL2883.CONTIG5\_ALL TGGTGTAGTGTTTGTCCTCCCTGCCCTTATTGAGCAGAAAGTCGATGCTGAAATTACTGA

XM\_027379601 TGGTGTAGTGTTTGTCCTCCCTGCCCTTATTGAGCAGAAAGTCGATGCTGAAATTACTGA

AY321153.2 TGGTGTAGTGTTTGTCCTCCCTGCCCTTATTGAGCAGAAAGTCGATGCTGAAATTACTGA

CL2833.CONTIG3 TGGCATAGCATTCGTTCTCCCTGCCCTTATTGAGAACAAGGTCGATGCCATTATTACTGA

CL2883.CONTIG2\_ALL TGGCATAGCATTCGTTCTCCCTGCCCTTATTGAGAACAAGGTCGATGCCATTATTACTGA

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CL2883.CONTIG1\_ALL GGAACTTATCCATGTTAATTTTAACAACTTGGTTCTGCCTAATACTTCATCCCGCCGTCG

CL2883.CONTIG4\_ALL TGAACTTGTCCATGTTAGTTTCAACAACCTGGTTCTACCCAAGACTTCATCCCGCCGTCG

CL2883.CONTIG5\_ALL TGAACTTGTCCATGTTAGTTTCAACAACCTGGTTCTACCCAAGACTTCATCCCGCCGTCG

XM\_027379601 TGAACTTGTCCATGTTAGTTTCAACAACCTGGTTCTACCCAAGACTTCATCCCGCCGTCG

AY321153.2 TGAACTTGTCCATGTTAGTTTCAACAACCTGGTTCTACCCAAGACTTCATCCCGCCGTCG

CL2833.CONTIG3 GGAACTTATCCATGTTAATTTTAACAACTTGGTTCTGCCTAATACTTCATCCCGCCGTCG

CL2883.CONTIG2\_ALL GGACCTTATCCATGTTAATTTTAACAACTTGGTTCTGCCTAATACTTCATCCCGCCGTCG

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CL2883.CONTIG1\_ALL GGTCAAGGGATTCACTGATGTCAACATTGCAGAGAAAAGGGCAAATGTGGAATTTTCTTG

CL2883.CONTIG4\_ALL AGTCAAGGGATTCGCTGATGTCAACATTGCAGAGAAAAGGGCAAATGTGGAATTTTCTTG

CL2883.CONTIG5\_ALL AGTCAAGGGATTCGCTGATGTCAACATTGCAGAGAAAAGGGCAAATGTGGAATTTTCTTG

XM\_027379601 AGTCAAGGGATTCGCTGATGTCAACATTGCAGAGAAAAGGGCAAATGTGGAGTTTTCTTG

AY321153.2 AGTCAAGGGATTCGCTGATGTCAACATTGCAGAGAAAAGGGCAAATGTGGAGTTTTCTTG

CL2833.CONTIG3 GGTCAAGGGATTCACTGATGTCAACATTGCAGAGAAAAGGGCAAATGTGGAATTTTCTTG

CL2883.CONTIG2\_ALL GGTCAAGGGATTCACTGATGTCAACATTGCAGAGAAAAGGGCAAATGTGGAGTTTTCTTG

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CL2883.CONTIG1\_ALL GGATGCCGATAATGCTCCCGAAAAGAAGTTGGTGTTGGATGCAAGTCTGATCAGCAGTCC

CL2883.CONTIG4\_ALL GGATGCCGATAATGCTCCCGAAAAGAAGTTGGTGTTGGATGCAAGTCTGATCAGCAGTCC

CL2883.CONTIG5\_ALL GGATGCCGATAATGCTCCCGAAAAGAAGTTGGTGTTGGATGCAAGTCTGATCAGCAGTCC

XM\_027379601 GGATGCCGATAATGCTCCCGAAAAGAAGTTGGTGTTGGATGCAAGTCTGATCAGCAGTCC

AY321153.2 GGATGCCGATAATGCTCCCGAAAAGAAGTTGGTGTTGGATGCAAGTCTGATCAGCAGTCC

CL2833.CONTIG3 GGATGCCGATAATGCTCCCGAAAAGAAGTTGGTGTTGGATGCAAGTCTGATCAGCAGTCC

CL2883.CONTIG2\_ALL GGATGCCGATAATGCTCCCGAAAAGAAGTTGGTGTTGGATGCAAGTCTGATCAGCAGTCC

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CL2883.CONTIG1\_ALL TGCCAACCCTGGACATGCTGAGATCCACGGGAATGTCGTCATTGCCGGAGAGCCTTACCA

CL2883.CONTIG4\_ALL TGCCAACCCTGGACATGCTGAGATCCACGGGAATGTCGTCATTGCCGGAGAGCCTTACCA

CL2883.CONTIG5\_ALL TGCCAACCCTGGACATGCTGAGATCCACGGGAATGTCGTCATTGCCGGAGAGCCTTACCA

XM\_027379601 TGCCAACCCTGGACATGCTGAGATCCACGGGAATGTCGTCATTGCCGGAGAGCCTTACCA

AY321153.2 TGCCAACCCTGGACATGCTGAGATCCACGGGAATGTCGTCATTGCCGGAGAGCCTTACCA

CL2833.CONTIG3 TGCCAACCCTGGACATGCTGAGATCCACGGGAATGTCGTCATTGCCGGAGAGCCTTACCA

CL2883.CONTIG2\_ALL TGCCAACCCTGGACATGCTGAGATCCACGGGAATGTCGTCATTGCCGGAGAGCCTTACCA

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CL2883.CONTIG1\_ALL CGCCAAATTGATTCTGACTGCCACAGATCTCATAGAGCACATGGAAGGGGAAAATGGATT

CL2883.CONTIG4\_ALL CGCCAAACTGGTTCTGACTGCCACAAATCTCGTAGAGCACATGGAAGGGGAAAATGGATT

CL2883.CONTIG5\_ALL CGCCAAACTGGTTCTGACTGCCACAAATCTCGTAGAGCACATGGAAGGGGAAAATGGATT

XM\_027379601 CGCCAAACTGGTTCTGACTGCCACAAATCTCGTAGAGCACATGGAAGGGGAAAATGGATT

AY321153.2 CGCCAAACTGGTTCTGACTGCCACAAATCTCGTAGAGCACATGGAAGGGGAAAATGGATT

CL2833.CONTIG3 CGCCAAATTGATTCTGACTGCCACAGATCTCATAGAGCACATGGAAGGGGAAAATGGATT

CL2883.CONTIG2\_ALL CGCCAAATTGATTCTGACTGCCACAGATCTCATAGAGCACATGGAAGGGGAAAATGGATT

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CL2883.CONTIG1\_ALL CAAGTTGATCCTGACAACTCCTAGCCAGAAGACGGTTGTCGTGGGAGCCTCCTGTGATGT

CL2883.CONTIG4\_ALL CAAGTTGATCCTGACAACTCCTAGCCAGAAGACGGTTGTCGTGGGAGCCTCCTGTGATGT

CL2883.CONTIG5\_ALL CAAGTTGATCCTGACAACTCCTAGCCAGAAGACGGTTGTCGTGGGAGCCTCCTGTGATGT

XM\_027379601 CAAGTTGATCCTGACAACTCCTAGCCAGAAGACGGTTGTCGTGGGAGCCTCCTGTGATGT

AY321153.2 CAAGTTGATCCTGACAACTCCTAGCCAGAAGACGGTTGTCGTGGGAGCCTCCTGTGATGT

CL2833.CONTIG3 CAAGTTGATCCTGACAACTCCTAGCCAGAAGACGGTTGTCGTGGGAGCCTCCTGTGATGT

CL2883.CONTIG2\_ALL CAAGTTGATCCTGACAACTCCTAGCCAGAAGACGGTTGTCGTGGGAGCCTCCTGTGATGT

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CL2883.CONTIG1\_ALL CCAGCTGGCAGGAGCCACCACTAAAGTCATTTCCACCGTTGAATACAAGAACGTGAGGGA

CL2883.CONTIG4\_ALL CCAGCTGGCAGGAACCACCACTAAAGTCCTTTCCACCGTTGAATACAAGAACGTGAGGGA

CL2883.CONTIG5\_ALL CCAGCTGGCAGGAGCCACCACTAAAGTCATTTCCACCGTTGAATACAAGAACGTGAGGGA

XM\_027379601 CCAGCTGGCAGGAGCCACCACTAAAGTCATTTCCACCGTTGAATACAAGAACGTGAGGGA

AY321153.2 CCAGCTGGCAGGAACCACCACTAAAGTCCTTTCCACCGTTGAATACAAGAACGTGAGGGA

CL2833.CONTIG3 CCAGCTGGCAGGAACCACCACTAAAGTCCTTTCCACCGTTGAATACAAGAACGTGAGGGA

CL2883.CONTIG2\_ALL CCAGCTGGCAGGAGCCACCACTAAAGTCATTTCCACCGTTGAATACAAGAACGTGAGGGA

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CL2883.CONTIG1\_ALL TAGGAAATACAAATATACAAGTGTGATTGCCTTGGAGAGGCTTGGTGGTCCACTTAATTA

CL2883.CONTIG4\_ALL TAGGAAATACAAATATACAAGTGTGATTGCCTTGGAGAGGCTTGGTGGTCCACTTAATTA

CL2883.CONTIG5\_ALL TAGGAAATACAAATATACAAGTGTGATTGCCTTGGAGAGGCTTGGTGGTCCACTTAATTA

XM\_027379601 TAGGAAATACAAATATACAAGTGTGATTGCCTTGGAGAGGCTTGGTGGTCCACTTAATTA

AY321153.2 TAGGAAATACAAATATACAAGTGTGATTGCCTTGGAGAGGCTTGGTGGTCCACTTAATTA

CL2833.CONTIG3 TAGGAAATACAAATATACAAGTGTGATTGCCTTGGAGAGGCTTGGTGGTCCACTTAATTA

CL2883.CONTIG2\_ALL TAGGAAATACAAATATACAAGTGTGATTGCCTTGGAGAGGCTTGGTGGTCCACTTAATTA

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CL2883.CONTIG1\_ALL TGCCGTAGAAGCCAAGGTAACTTACAAACAACCTGGAACAGCAGAAATAAAGGTAGAAAC

CL2883.CONTIG4\_ALL TGCCGTAGAAGCCAAGGTAACTTACAAACAACCTGGAACAGCAGAAATAAAGGTAGAAAC

CL2883.CONTIG5\_ALL TGCCGTAGAAGCCAAGGTAACTTACAAACAACCTGGAACAGCAGAAATAAAGGTAGAAAC

XM\_027379601 TGCCGTAGAAGCCAAGGTAACTTACAAACAACCTGGAACAGCAGAAATAAAGGTAGAAAC

AY321153.2 TGCCGTAGAAGCCAAGGTAACTTACAAACAACCTGGAACAGCAGAAATAAAGGTAGAAAC

CL2833.CONTIG3 TGCCGTAGAAGCCAAGGTAACTTACAAACAACCTGGAACAGCAGAAATAAAGGTAGAAAC

CL2883.CONTIG2\_ALL TGCCGTAGAAGCCAAGGTAACTTACAAACAACCTGGAACAGCAGAAATAAAGGTAGAAAC

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CL2883.CONTIG1\_ALL AACAGCAAAACATCATTGGACACCAGAAGAACATGTTGTAGCATTCAAGGTGGCTGCTGA

CL2883.CONTIG4\_ALL AACAGCAAAACATCATTGGACACCAGAAGAACATGTTGTAGCATTCAAGGTGGCTGCTGA

CL2883.CONTIG5\_ALL AACAGCAAAACATCATTGGACACCAGAAGAACATGTTGTAGCATTCAAGGTGGCTGCTGA

XM\_027379601 AACAGCAAAACATCATTGGACACCAGAAGAACATGTTGTAGCATTCAAGGTGGCTGCTGA

AY321153.2 AACAGCAAAACATCATTGGACACCAGAAGAACATGTTGTAGCATTCAAGGTGGCTGCTGA

CL2833.CONTIG3 AACAGCAAAACATCATTGGACACCAGAAGAACATGTTGTAGCATTCAAGGTGGCTGCTGA

CL2883.CONTIG2\_ALL AACAGCTAAACATCATTGGACACCAGAAGAACATGTTGTAGCATTCAAGGTGGCTGCTGA

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CL2883.CONTIG1\_ALL AGCTCCAGTACTGAAGACGCCTGCCATGATTGCATTCTCCATTCACAATGCACCAAACGC

CL2883.CONTIG4\_ALL AGCTCCAGTACTGAAGACGCCTGCCATGATTGCATTCTCCATTCACAATGCACCAAACGC

CL2883.CONTIG5\_ALL AGCTCCAGTACTGAAGACGCCTGCCATGATTGCATTCTCCATTCACAATGCACCAAACGC

XM\_027379601 AGCTCCAGTACTGAAGACGCCTGCCATGATTGCATTCTCCATTCACAATGCACCAAACGC

AY321153.2 AGCTCCAGTACTGAAGACGCCTGCCATGATTGCATTCTCCATTCACAATGCACCAAACGC

CL2833.CONTIG3 AGCTCCAGTACTGAAGACGCCTGCCATGATTGCATTCTCCATTCACAATGCACCAAACGC

CL2883.CONTIG2\_ALL AGCTCCAGTACTGAAGACGCCTGCCATGATTGCATTCTCCATTCACAATGCACCAAACGC

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CL2883.CONTIG1\_ALL TTTTGTTGGAGTCTGCAAGATCGAAAGAACTGCTCCTTTCACTGCCTTTGAATGGAATGT

CL2883.CONTIG4\_ALL TTTTGTTGGAGTCTGCAAGATCGAAAGAACTGCTCCTTTCACTGCCTTTGAATGGAATGT

CL2883.CONTIG5\_ALL TTTTGTTGGAGTCTGCAAGATCGAAAGAACTGCTCCTTTCACTGCCTTTGAATGGAATGT

XM\_027379601 TTTTGTTGGAGTCTGCAAGATCGAAAGAACTGCTCCTTTCACTGCCTTTGAATGGAATGT

AY321153.2 TTTTGTTGGAGTCTGCAAGATCGAAAGAACTGCTCCTTTCACTGCCTTTGAATGGAATGT

CL2833.CONTIG3 TTTTGTTGGAGTCTGCAAGATCGAAAGAACTGCTCCTTTCACTGCCTTTGAATGGAATGT

CL2883.CONTIG2\_ALL TTTTGCTGGAGTCTGCAAGATCGAAAGAACTGCTCCTTTCACTGCCTTTGAATGGAATGT

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CL2883.CONTIG1\_ALL ACAGGTTACTCCTGAAGGAGGAATTGAAGCTGTTGAAGCTGGTGTGGACATGAAAGCCAT

CL2883.CONTIG4\_ALL GCAGGTTACTCCTGAAGGAGGAATTGAAGCTGTTGAAGCTGGTGTGGACATGAAAGCCAT

CL2883.CONTIG5\_ALL GCAGGTTACTCCTGAAGGAGGAATTGAAGCTGTTGAAGCTGGTGTGGACATGAAAGCCAT

XM\_027379601 GCAGGTTACTCCTGAAGGAGGAATTGAAGCTGTTGAAGCTGGTGTGGACATGAAAGCCAT

AY321153.2 ACAGGTTACTCCTGAAGGAGGAATTGAAGCTGTTGAAGCTGGTGTGGACATGAAAGCCAT

CL2833.CONTIG3 ACAGGTTACTCCTGAAGGAGGAATTGAAGCTGTTGAAGCTGGTGTGGACATGAAAGCCAT

CL2883.CONTIG2\_ALL ACAGGTTACTCCTGAAGGAGGAATTGAAGCTGTTGAAGCTGGTGTGGACATGAAAGCCAT

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CL2883.CONTIG1\_ALL CATTGAAGTTCTGAAGATTGTTCGTGCCATTGCTACTCTGGAGGAAGAGAGTTATGAAAC

CL2883.CONTIG4\_ALL CATTGAAGTTCTGAAGATTGTTCGTGCCATTGCTACTCTGGAGGAAGAGAGTTATGAAAC

CL2883.CONTIG5\_ALL CATTGAAGTTCTGAAGATTGTTCGTGCCATTGCTACTCTGGAGGAAGAGAGTTATGAAAC

XM\_027379601 CATTGAAGTTCTGAAGATTGTTCGTGCCATTGCTACTCTGGAGGAAGAGAGTTATGAAAC

AY321153.2 CATTGAAGTTCTGAAGATTGTTCGTGCCATTGCTACTCTGGAGGAAGAGAGTTATGAAAC

CL2833.CONTIG3 CATTGAAGTTCTGAAGATTGTTCGTGCCATTGCTACTCTGGAGGAAGAGAGTTATGAAAC

CL2883.CONTIG2\_ALL CATTGAAGTTCTGAAGATTGTTCGTGCCATTGCTACTCTGGAGGAAGAGAGTTATGAAAC

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CL2883.CONTIG1\_ALL TTATGGCCCACACACAGCTCAGTACCAGTACCGCTTCACAAGGCCATCACCCACTTCTTA

CL2883.CONTIG4\_ALL TTATGGCCCACACACAGCTCAGTACCAGTACCGCTTCACAAGGCCATCACCCACTTCTTA

CL2883.CONTIG5\_ALL TTATGGCCCACACACAGCTCAGTACCAGTACCGCTTCACAAGGCCATCACCCACTTCTTA

XM\_027379601 TTATGGCCCACACACAGCTCAGTACCAGTACCGCTTCACAAGGCCATCACCCACTTCTTA

AY321153.2 TTATGGCCCACACACAGCTCAGTACCAGTACCGCTTCACAAGGCCATCACCCACTTCTTA

CL2833.CONTIG3 TTATGGCCCACACACAGCTCAGTACCAGTACCGCTTCACAAGGCCATCACCCACTTCTTA

CL2883.CONTIG2\_ALL TTATGGCCCACACACAGCTCAGTACCAGTACCGCTTCACAAGGCCATCACCCACTTCTTA

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CL2883.CONTIG1\_ALL CACCATGCAGATGAGGACTCCAACCCGCACCATGGAAGGAAGAGCTAAACTATCACCAAG

CL2883.CONTIG4\_ALL CACCATGCAGATGAGGACTCCAACCCGCACCATGGAAGGAAGAGCTAAACTATCACCAAG

CL2883.CONTIG5\_ALL CACCATGCAGATGAGGACTCCAACCCGCACCATGGAAGGAAGAGCTAAACTATCACCAAG

XM\_027379601 CACCATGCAGATGAGGACTCCAACCCGCACCATGGAAGGAAGAGCTAAACTATCACCAAG

AY321153.2 CACCATGCAGATGAGGACTCCAACCCGCACCATGGAAGGAAGAGCTAAACTATCACCAAG

CL2833.CONTIG3 CACCATGCAGATGAGGACTCCAACCCGCACCATGGAAGGAAGAGCTAAACTATCACCAAG

CL2883.CONTIG2\_ALL CACCATGCAGATGAGGACTCCAACCCGCACCATGGAAGGAAGAGCTAAACTATCACCAAG

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CL2883.CONTIG1\_ALL GGAATCTGGAATCAAGTTCTACCCCAATAAGGGCAAAACTGAATCCAAATACGAAATTGG

CL2883.CONTIG4\_ALL GGAATCTGGAATCAAGTTCTACCCCAATAAGGGCAAAACTGAATCCAAATACGAAATTGG

CL2883.CONTIG5\_ALL GGAATCTGGAATCAAGTTCTACCCCAATAAGGGCAAAACTGAATCCAAATACGAAATTGG

XM\_027379601 GGAATCTGGAATCAAGTTCTACCCCAATAAGGGCAAAACTGAATCCAAATACGAAATTGG

AY321153.2 GGAATCTGGAATCAAGTTCTACCCCAATAAGGGCAAAACTGAATCCAAATACGAAATTGG

CL2833.CONTIG3 GGAATCTGGAATCAAGTTCTACCCCAATAAGGGCAAAACTGAATCCAAATACGAAATTGG

CL2883.CONTIG2\_ALL GGAATCTGGAATCAAGTTCTACCCCAATAAGGGCAAAACTGAATCCAAATACGAAATTGG

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CL2883.CONTIG1\_ALL ATACAAGGTCAACCACGAGGGAAGGTGGGCACAACGTGCGTCCAAGTTGGAAGTCAGAAT

CL2883.CONTIG4\_ALL ATACAAGGTCAACCACGAGGGAAGGTGGGCACAACGTGCGTCCAAGTTGGAAGTCAGAAT

CL2883.CONTIG5\_ALL ATACAAGGTCAACCACGAGGGAAGGTGGGCACAACGTGCGTCCAAGTTGGAAGTCAGAAT

XM\_027379601 ATACAAGGTCAACCACGAGGGAAGGTGGGCACAACGTGCGTCCAAGTTGGAAGTCAGAAT

AY321153.2 ATACAAGGTCAACCACGAGGGAAGGTGGGGACAACGTGCGTCCAAGTTGGAAGTCAGAAT

CL2833.CONTIG3 ATACAAGGTCAACCACGAGGGAAGGTGGGGACAACGTGCGTCCAAGTTGGAAGTCAGAAT

CL2883.CONTIG2\_ALL ATACAAGGTCAACCACGAGGGAAGGTGGGGACAACGTGCGTCCAAGTTGGAAGTCAGAAT

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CL2883.CONTIG1\_ALL GAACCATCCAGTGCTTCCTAAACCCATCATGGCCGCTGCTCAGTACACAGTAGCTGAAGG

CL2883.CONTIG4\_ALL GAACCATCCAGTGCTTCCTAAACCCATCATGGCCGCTGCTCAGTACACAGTAGCTGAAGG

CL2883.CONTIG5\_ALL GAACCATCCAGTGCTTCCTAAACCCATCATGGCCGCTGCTCAGTACACAGTAGCTGAAGG

XM\_027379601 GAACCATCCAGTGCTTCCTAAACCCATCATGGCCGCTGCTCAGTACACAGTAGCTGAAGG

AY321153.2 GAACCATCCAGTGCTTCCTAAACCCATCATGGCCGCTGCTCAGTACACAGTAGCTGAAGG

CL2833.CONTIG3 GAACCATCCAGTGCTTCCTAAACCCATCATGGCCGCTGCTCAGTACACAGTAGCTGAAGG

CL2883.CONTIG2\_ALL GAACCATCCAGTGCTTCCTAAACCCATCATGGCCGCTGCTCAGTACACAGTAGCTGAAGG

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CL2883.CONTIG1\_ALL AACAATGAGGGGAACAATTGAACTGGACATTTTCCCAGAAGAAGCCGACAAAATTACTGG

CL2883.CONTIG4\_ALL AACAATGAGGGGAACAATTGAACTGGACATTTTCCCAGAAGAAGCCGACAAAATTACTGG

CL2883.CONTIG5\_ALL AACAATGAGGGGAACAATTGAACTGGACATTTTCCCAGAAGAAGCCGACAAAATTACTGG

XM\_027379601 AACAATGAGGGGAACAATTGAACTGGACATTTTCCCAGAAGAAGCCGACAAAATTACTGG

AY321153.2 AACAATGAGGGGAACAATTGAACTGGACATTTTCCCAGAAGAAGCCGACAAAATTACTGG

CL2833.CONTIG3 AACAATGAGGGGAACAATTGAACTGGACATTTTCCCAGAAGAAGCCGACAAAATTACTGG

CL2883.CONTIG2\_ALL AACAATGAGGGGAACAATTGAACTGGACATTTTCCCAGAAGAAGCCGACAAAATTACTGG

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CL2883.CONTIG1\_ALL AACTGTGGAAACTCAGAGAATTTCAGAAAATGCTATCAGGGCAGAAGCCTTCTTGACTGG

CL2883.CONTIG4\_ALL AACTGTGGAAACTCAGAGAATTTCAGAAAATGCTATCAGGGCAGAAGCCTTCTTGACTGG

CL2883.CONTIG5\_ALL AACTGTGGAAACTCAGAGAATTTCAGAAAATGCTATCAGGGCAGAAGTCTTCTTGACTGG

XM\_027379601 AACTGTGGAAACTCAGAGAATTTCAGAAAATGCTATCAGGGCAGAAGCCTTCTTGACTGG

AY321153.2 AACTGTGGAAACTCAGAGAATTTCAGAAAATGCTATCAGGGCAGAAGTCTTCTTGACTGG

CL2833.CONTIG3 AACTGTGGAAACTCAGAGAATTTCAGAAAATGCTATCAGGGCAGAAGCCTTCTTGACTGG

CL2883.CONTIG2\_ALL AACTGTGGAAACTCAGAGAATTTCAGAAAATGCTATCAGGGCAGAAGCCTTCTTGACTGG

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CL2883.CONTIG1\_ALL TAGGATGTTGAAAGTGAACCCTAAAGCTATCATCACTGCTGCCTATGCACCAGAAACAGT

CL2883.CONTIG4\_ALL TAGGATGTTGAAAGTGAACCCTAAAGCTATCATCACTGCTGCCTATGCACCAGAAACAGT

CL2883.CONTIG5\_ALL CAGGATGTTGAAAGTGAACCCTAAGGCTATCATCACTGCTGCCTATGCACCAGAAACAGT

XM\_027379601 CAGGATGTTGAAAGTGAACCCTAAAGCTATCATCACTGCTGCCTATGCACCAGAAACAGT

AY321153.2 CAGGATGTTGAAAGTGAACCCTAAGGCTATCATCACTGCTGCCTATGCACCAGAAACAGT

CL2833.CONTIG3 TAGGATGTTGAAAGTGAACCCTAAAGCTATCATCACTGCTGCCTATGCACCAGAAACAGT

CL2883.CONTIG2\_ALL TAGGATGTTGAAAGTGAACCCTAAAGCTATCATCACTGCTGCCTATGCACCAGAAACAGT

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CL2883.CONTIG1\_ALL TGCTTTGGATGTAGTGTTCCACAAGACTCCGTCTGCAGCACCAATCTTCGCCATTGCTGC

CL2883.CONTIG4\_ALL TGCTTTGGATGTAGTGTTCCACAAGACTCCGTCTGCAGCACCAATCTTCGCCATTGCTGC

CL2883.CONTIG5\_ALL TGCTTTGGATGTAGTGTTCCACAAGACTCCGTCTGCAGCACCAATCTTCGCCATTGCTGC

XM\_027379601 TGCTTTGGATGTAGTGTTCCACAAGACTCCATCTGCAGCACCAATCTTCGCCATTGCTGC

AY321153.2 TGCTTTGGATGTAGTGTTCCACAAGACTCCGTCTGCAGCACCAATCTTCGCCATTGCTGC

CL2833.CONTIG3 TGCTTTGGATGTAGTGTTCCACAAGACTCCATCTGCAGCACCAATCTTCGCCATTGCTGC

CL2883.CONTIG2\_ALL TGCTTTGGATGTAGTGTTCCACAAGACTCCGTCTGCAGCACCAATCTTCGCCATTGCTGC

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CL2883.CONTIG1\_ALL CAAGTATGACAAGACTGCAGCTCACAGTGCAGCTGCCACATTGACAGTAAAGATGGAAGA

CL2883.CONTIG4\_ALL CAAGTATGACAAGACTGCAGCTCACAGTGCAGCTGCCACATTGACAGTAAAGATGGAAGA

CL2883.CONTIG5\_ALL CAAGTATGACAAGACTGCAGCTCACAGTGCAGCTGCCACATTGACAGTAAAGATGGAAGA

XM\_027379601 CAAGTATGACAAGACTGCAGCTCACAGTGCAGCTGCCACATTGACAGTAAAGATGGAAGA

AY321153.2 CAAGTATGACAAGACTGCAGCTCACAGTGCAGCTGCCACATTGACAGTAAAGATGGAAGA

CL2833.CONTIG3 CAAGTATGACAAGACTGCAGCTCACAGTGCAGCTGCCACATTGACAGTAAAGATGGAAGA

CL2883.CONTIG2\_ALL CAAGTATGACAAGACTGCAGCTCACAGTGCAGCTGCCACATTGACAGTAAAGATGGAAGA

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CL2883.CONTIG1\_ALL GCGACCTGTCTTTGAGATGAGTGCAGTGACCGAACCCGAGGAACCAGCCACCTGCAATGG

CL2883.CONTIG4\_ALL GCGACCTGTCTTTGAGATGAGTGCAGTGACCGAACCCGAGGAACCAGCCACCTGCAATGG

CL2883.CONTIG5\_ALL GCGACCTGTCTTTGAGATGAGTGCAGTGACCGAACCCGAGGAACCAGCCACCTGCAATGG

XM\_027379601 GCGACCTGTCTTTGAGATGAGTGCAGTGACCGAACCCGAGGAAGCAGCCACCTGCAATGG

AY321153.2 GCGACCTGTCTTTGAGATGAGTGCAGTGACCGAACCTGAGGAAGCAGCCACCTGCAATGG

CL2833.CONTIG3 GCGACCTGTCTTTGAGATGAGTGCAGTGACCGAACCCGAGGAACCAGCCACCTGCAATGG

CL2883.CONTIG2\_ALL GCGACCTGTCTTTGAGATGAGTGCAGTGACCGAACCCGAGGAACCAGCCACCTGCAATGG

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CL2883.CONTIG1\_ALL CATCAGAATGAATGCTGTTGCTTATGCAGCAGCTTTTGGAAAGTACAACGTGTTCTCCAA

CL2883.CONTIG4\_ALL CATCAGAATGAATGCTGTTGCTTATGCAGCAGCTTTTGGAAAGTACAACGTGTTCTCCAA

CL2883.CONTIG5\_ALL CATCAGAATGAATGCTGTTGCTTATGCAGCAGCTTTTGGAAAGTACAACGTGTTCTCCAA

XM\_027379601 CATCAGAATGAATGCTGTTGCTTATGCAGCAGCTTTTGGAAAGTACAACGTGTTCTCCAA

AY321153.2 CATCAGAATGAATGCTGTTGCTTATGCAGCAGCTTTTGGAAAGTACAACGTGTTCTCCAA

CL2833.CONTIG3 CATCAGAATGAATGCTGTTGCTTATGCAGCAGCTTTTGGAAAGTACAACGTGTTCTCCAA

CL2883.CONTIG2\_ALL CATCAGAATGAATGCTGTTGCTTATGCAGCAGCTTTTGGAAAGTACAACGTGTTCTCCAA

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CL2883.CONTIG1\_ALL GATGTGCAGGCCCGCCTTCATTGAGGTGACCGCAATGCGACCTGGTGGAGCAAAGGAGTA

CL2883.CONTIG4\_ALL GATGTGCAGGCCCGCCTTCATTGAGGTGACCGCAATGCGACCTGGTGGAGCAAAGGAGTA

CL2883.CONTIG5\_ALL GATGTGCAGGCCCGCCTTCATTGAGGTGACCGCAATGCGACCTGGTGGAGCAAAGGAGTA

XM\_027379601 GATGTGCAGGCCCGCCTTCATTGAGGTGACCGCAATGCGACCTGGTGGAGCAAAGGAGTA

AY321153.2 GATGTGCAGGCCCGCCTTCATTGAGGTGACCGCAATGCGACCTGGTGGAGCAAAGGAGTA

CL2833.CONTIG3 GATGTGCAGGCCCGCCTTCATTGAGGTGACCGCAATGCGACCTGGTGGAGCAAAGGAGTA

CL2883.CONTIG2\_ALL GATGTGCAGGCCCGCCTTCATTGAGGTGACCGCAATGCGACCTGGTGGAGCAAAGGAGTA

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CL2883.CONTIG1\_ALL CACTGCCAAGCTTGGCCTCCGATACCCTGACGCTGCTGAAGCAGGCGTATATGTGGCGAG

CL2883.CONTIG4\_ALL CACTGCCAAGCTTGGCCTCCGATACCCTGACGCTGCTGAAGCAGGCGTATATGTGGCGAG

CL2883.CONTIG5\_ALL CACTGCCAAGCTTGGCCTCCGATACCCTGACGCTGCTGAAGCAGGCGTATATGTGGCGAG

XM\_027379601 CACTGCCAAGCTTGGCCTCCGATACCCTGACGCTGCTGAAGCAGGCGTATATGTGGCGAG

AY321153.2 CACTGCCAAGCTTGGCCTCCGATACCCTGACGCTGCTGAAGCAGGCGTATATGTGACGAG

CL2833.CONTIG3 CACTGCCAAGCTTGGCCTCCGATACCCTGACGCTGCTGAAGCAGGCGTATATGTGGCGAG

CL2883.CONTIG2\_ALL CACTGCCAAGCTTGGCCTCCGATTCCCTGACGCTGCTGAAGCAGGCGTATATGTGGCGAG

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CL2883.CONTIG1\_ALL TGGCAGAGCTGGAGAGAGTCGCGGTGTTGCTGTTGCTGCTGTGAAGCTGGCTTCACCCAC

CL2883.CONTIG4\_ALL TG------CTGGAGAGAGTCGCGGTGTTGCTGTTGCTGCTGTGAAGCTGGCTTCACCCAC

CL2883.CONTIG5\_ALL TGGCAGAGCTGGAGAGAGTCGCGGTGTTGCTGTTGCTGCTGTGAAGCTGGCTTCACCCAA

XM\_027379601 TG------CTGGAGAGAGTCGCGGTGTTGCTGTTGCTGCTGTGAAGCTGGCTTCACCCAC

AY321153.2 TGGCAGAGCTGGAGAGAGTCGCGGTGTTGCTGTTGCTGCTGTGAAGCTGGCTTCACCCAA

CL2833.CONTIG3 TGGCAGAGCTGGAGAGAGTCGCGGTGTTGCTGTTGCTGCTGTGAAGCTGGCTTCACCCAC

CL2883.CONTIG2\_ALL TG------CTGGAGAGAGTCGCGGTGTTGCTGTTGCTGCTGTGAAGCTGGCTTCACCCAA

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CL2883.CONTIG1\_ALL AATGCTACAGTTCGAGGTGGCTCATGAACCAGAAGAAGCACACATTGTAATGAGTGAAGT

CL2883.CONTIG4\_ALL AATGCTACAGTTCGAGGTGGCTCATGAACCAGAAGAAGCACACATTGTAATGAGTGAAGT

CL2883.CONTIG5\_ALL AGTACTGAAAGTCGAGATGGCTTATGAGCCGCAAGAAGCAGAAGCAATAAGCATTGAAAT

XM\_027379601 AATGCTACAGTTCGAGGTGGCTCATGAACCAGAAGAAGCACACATTGTAATGAGTGAAGT

AY321153.2 AGTACTGAAAGTCGAGATGGCTTATGAGCCGCAAGAAGCAGAAGCAATAAGCATTGAAAT

CL2833.CONTIG3 AATGCTACAGTTCGAGGTGGCTCATGAACCAGAAGAAGCACACATTGTAATGAGTGAAGT

CL2883.CONTIG2\_ALL AGTACTGAAAGTCGAGATGGCTTATGAGCCGCAAGAAGCAGAAGCAATAAGCATTGAAAT

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CL2883.CONTIG1\_ALL GACAAGTACCCTCAGAAAAGTCGCCATGTCTCTCGAAACAGTTGCAATGGAGGCCGTCCA

CL2883.CONTIG4\_ALL GACAAGTACCCTCAGAAAAGTCGCCATGTCTCTCGAAACAGTTGCAATGGAGGCCGTCCA

CL2883.CONTIG5\_ALL GACTGAAGGATTTGAGAAGATTGCTGTATCATTCAAGTCTGTTGCAATGGAGTTCGTCCA

XM\_027379601 GACAAGTACCCTCAGAAAAGTCGCCATGTCTCTCGAAACAGTTGCAATGGAGGCCGTCCA

AY321153.2 GACTGAAGGATTTGAGAAGATTGCTGTATCATTCAAGTCTGTTGCAATAGAGTTCGTCCA

CL2833.CONTIG3 GACAAGTACCCTCAGAAAAGTCGCCATGTCTCTCGAAACAGTTGCAATGGAGGCCGTCCA

CL2883.CONTIG2\_ALL GACTGAAGGATTTGAGAAGATTGCTGTATCATTCAAGTCTGTTGCAATGGAGTTCGTCCA

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CL2883.CONTIG1\_ALL GTTCCTCAAGGAAGAAGCTGCTGCAAAGGGTGTCGAGTTCCCGTCATCTCACTTTGTCAG

CL2883.CONTIG4\_ALL GTTCCTCAAGGAAGAAGCTGCTGCAAAGGGTGTCGAGTTCCCGTCATCTCACTTTGTCAG

CL2883.CONTIG5\_ALL ATTCCTCAAGGAAGAGGCTGCTGCAAAGGGTGTTCAGTTCTCTTCATCTCAGTTAGTCAA

XM\_027379601 GTTCCTCAAGGAAGAAGCTGCTGCAAAGGGTGTCGAGTTCCCGTCATCTCACTTTGTCAG

AY321153.2 ATTCCTCAAGGAAGAGGCTGCTGCAAAGGGTGTTCAGTTCTCTTCATCTCAGTTAGTCAA

CL2833.CONTIG3 GTTCCTCAAGGAAGAAGCTGCTGCAAAGGGTGTCGAGTTCCCGTCATCTCACTTTGTCAG

CL2883.CONTIG2\_ALL ATTCCTCAAGGAAGAGGCTGCTGCAAAGGGTGTTCAGTTCTCTTCATCTCAGTTAGTCAA

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CL2883.CONTIG1\_ALL TCTAGTGGATGAGGCGAATGAGGAAATCAAAGCCATTTACCGAGATATCGTCTCAGAGAT

CL2883.CONTIG4\_ALL TCTAGTGGATGAGGCGAATGAGGAAATCAAAGCCATTTACCGAGATATCGTCTCAGAGAT

CL2883.CONTIG5\_ALL TTTAATGGGAGTTGCTAAGGAGGAAATTGTAGAGATCTATCGAGATATTCTCTCCGAGGC

XM\_027379601 TCTAGTGGATGAGGCGAATGAGGAAATCAAAGCCATTTACCGAGATATCGTCTCAGAGAT

AY321153.2 TCTAATGGGAGTTGCTAAGGAGGAAATTGTAGAGATCTATCGAGATATTCTCTCCGAGGC

CL2833.CONTIG3 TCTAGTGGATGAGGCGAATGAGGAAATCAAAGCCATTTACCGAGATATCGTCTCAGAGAT

CL2883.CONTIG2\_ALL TTTAATGGGAGTTGCTAAGGAGGAAATTGTAGAGATCTATCGAGATATTCTCTCCGAGGC

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CL2883.CONTIG1\_ALL GAGAATCCTTGACACTGAGTTGATTGCTGATATCTTGGAAAGCCCTACGGTGTCCTTCGT

CL2883.CONTIG4\_ALL GAGAATCCTTGACACTGAGTTGATTGCTGATATCTTGGAAAGCCCTACGGTGTCCTTCGT

CL2883.CONTIG5\_ALL AAGAATTTTTCATACCGAAATCCTTGCTAATATTCTGGAAAGTCCTGTGGTATCCGTCAT

XM\_027379601 GAGAATCCTTGACACTGAGTTGATTGCTGATATCTTGGAAAGCCCTACGGTGTCCTTCGT

AY321153.2 AAGAATTTTTCATACCGAAATCCTTGCTAATATTCTGGAAAGTCCTGTGGTATCCGTCAT

CL2833.CONTIG3 GAGAATCCTTGACACTGAGTTGATTGCTGATATCTTGGAAAGCCCTACGGTGTCCTTCGT

CL2883.CONTIG2\_ALL AAGAATTTTTCATACCGAAATCCTTGCTAATATTCTGGAAAGTCCTGTGGTATCCGTCAT

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CL2883.CONTIG1\_ALL GTCGCGTGTCTACCTTGGAGTATGGTCACAGATTGCTCGCCTTCAACATCACTTTTCAAC

CL2883.CONTIG4\_ALL GTCGCGTGTCTACCTTGGAGTATGGTCACAGATTGCTCGCCTTCAACATCACTTTTCAAC

CL2883.CONTIG5\_ALL ATCACGAGTCTACTTCGGTGTGCGGTCGGAAATTGTTCGCCTTCAACACCAGCTTTCCGT

XM\_027379601 GTCGCGTGTCTACCTTGGAGTATGGTCACAGATTGCTCGCCTTCAACATCACTTTTCAAC

AY321153.2 ATCACGAGTCTACTTCGGTGTGCGGTCGGAAATTGTTCGCCTTCAACACCAGCTTTCCGT

CL2833.CONTIG3 GTCGCGTGTCTACCTTGGAGTATGGTCACAGATTGCTCGCCTTCAACATCACTTTTCAAC

CL2883.CONTIG2\_ALL ATCACGAGTCTACTTCGGTGTGCGGTCGGAAATTGTTCGCCTTCAACACCAGCTTTCCGT

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CL2883.CONTIG1\_ALL CAGGGCGGTTGAAATGATCCAGCAATGGCAGGAACAACTAACAGACGTTTCTGAAATCTT

CL2883.CONTIG4\_ALL CAGGGCGGTTGAAATGATCCAGCAATGGCAGGAACAACTAACAGACGTTTCTGAAATCTT

CL2883.CONTIG5\_ALL AACCCTCATCCAGGCGATAGAAGGAGGCCAGGAGGAATTAGCAATCGTTTATGAAATCGT

XM\_027379601 CAGGGCGGTTGAAATGATCCAGCAATGGCAGGAACAACTAACAGACGTTTCTGAAATCTT

AY321153.2 AACCCTCATCCAGGCGATAGAAGGAGGCCAAGAGGAATTAGCAATCGTTTATGAAATCGT

CL2833.CONTIG3 CAGGGCGGTTGAAATGATCCAGCAATGGCAGGAACAACTAACAGACGTTTCTGAAATCTT

CL2883.CONTIG2\_ALL AACCCTCATCCAGGCGATAGAAGGAGGCCAGGAGGAATTAGCAATCGTTTATGAAATCGT

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CL2883.CONTIG1\_ALL TATCGAAGCTGTTATGGAGATAGTGCAACTCTTGGAAGCCGGAGAAGTACCTGAAACAGT

CL2883.CONTIG4\_ALL TATCGAAGCTGTTATGGAGATAGTGCAACTCTTGGAAGCCGGAGAAGTACCTGAAACAGT

CL2883.CONTIG5\_ALL AATGGAAGTTGTGATGACGGCAGCACGCATGGCAGAAACTGGAGAAGTCCCTGTGGCAGT

XM\_027379601 TATCGAAGCTGTTATGGAGATAGTGCAACTCTTGGAAGCCGGAGAAGTACCTGAAACAGT

AY321153.2 AATGGAAGTTGTGATGACGGCAGCACGCATGGCAGAAACTGGAGAAGTCCCTGTGGCAGT

CL2833.CONTIG3 TATCGAAGCTGTTATGGAGATAGTGCAACTCTTGGAAGCCGGAGAAGTACCTGAAACAGT

CL2883.CONTIG2\_ALL AATGGAAGTTGTGATGACGGCAGCACGCATGGCAGAAACTGGAGAAGTCCCTGTGGCAGT

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CL2883.CONTIG1\_ALL TCGTGTAATTCTGGAAAAAATTGAGAACACTGAGGTGTTCAGGATTGTAAAGAGAGAAGT

CL2883.CONTIG4\_ALL TCGTGTAATTCTGGAAAAAATTGAGAACACTGAGGTGTTCAGGATTGTAAAGAGAGAAGT

CL2883.CONTIG5\_ALL GCTTGAGGCACTTGAGGAAATCAAAGCCAGCAAAGCTTTCAGGGTTGTGAAGAGAGAAGT

XM\_027379601 TCGTGTAATTCTGGAAAAAATTGAGAACACTGAGGTGTTCAGGATTGTAAAGAGAGAAGT

AY321153.2 GCTTGAGGCACTTGAGGAAATCAAAGCCAGCAAAGCTTTCAGGGTTGTGAAGAGAGAAGT

CL2833.CONTIG3 TCGTGTAATTCTGGAAAAAATTGAGAACACTGAGGTGTTCAGGATTGTAAAGAGAGAAGT

CL2883.CONTIG2\_ALL GCTTGAGGCACTTGAGGAAATCAAAGCCAGCAAAGCTTTCAGGGTTGTGAAGAGAGAAGT

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CL2883.CONTIG1\_ALL GAACGCAGTGTTGGCAGAGTATCCTGAGGAGTATGAGGCCGTCAAGCACATCCTCACCAG

CL2883.CONTIG4\_ALL GAACGCAGTGTTGGCAGAGTATCCTGAGGAGTATGAGGCCGTCAAGCACATCCTCACCAG

CL2883.CONTIG5\_ALL GGATGTCATTTTGAGAGAATATCCGGAGGAGTATGAAGCTGTCAAGCACATCTTTGGCAA

XM\_027379601 GAACGCAGTGTTGGCAGAGTATCCTGAGGAGTATGAGGCCGTCAAGCACATCCTCACCAG

AY321153.2 GGATGTCATTTTGAGAGAATATCCGGAGGAGTATGAAGCTGTCAAGCACATCTTTGGCAA

CL2833.CONTIG3 GAACGCAGTGTTGGCAGAGTATCCTGAGGAGTATGAGGCCGTCAAGCACATCCTCACCAG

CL2883.CONTIG2\_ALL GGATGTCATTTTGAGAGAATATCCGGAGGAGTATGAAGCTGTCAAGCACATCTTTGGCAA

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CL2883.CONTIG1\_ALL GGTGACGGCCACTCTCAAGCACGATGCTGATATTGTGTACAAGAGGATCATGGAGACACC

CL2883.CONTIG4\_ALL GGTGACGGCCACTCTCAAGCACGATGCTGATATTGTGTACAAGAGGATCATGGAGACACC

CL2883.CONTIG5\_ALL CGTGGTGGCAATTCTCAAGCGAGATGTTGGCATTGTTCGTGAGTGGCTCATGGAGATTCC

XM\_027379601 GGTGACGGCCACTCTCAAGCACGATGCTGATATTGTGTACAAGAGGATCATGGAGACACC

AY321153.2 CGTGGTGGCAATTCTCAAGCGAGATGTTGGCATTGTTCGTGAGTGGCTCATGGAGATTCC

CL2833.CONTIG3 GGTGACGGCCACTCTCAAGCACGATGCTGATATTGTGTACAAGAGGATCATGGAGACACC

CL2883.CONTIG2\_ALL CGTGGTGGCAATTCTCAAGCGAGATGTTGGCATTGTTCGTGAGTGGCTCATGGAGATTCC

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CL2883.CONTIG1\_ALL AGCTGTTCAAAGGATCTTTGCCTATGTTATGCAGTACATCAACTCGGAGCGCGTGTTTGC

CL2883.CONTIG4\_ALL AGCTGTTCAAAGGATCTTTGCCTATGTTATGCAGTACATCAACTCGGAGCGCGTGTTTGC

CL2883.CONTIG5\_ALL AGCTGTTCAGAGAGTCATCGACTACACCATGTATCACTTCCATTCGGAACGAGCATTTGC

XM\_027379601 AGCTGTTCAAAGGATCTTTGCCTATGTTATGCAGTACATCAACTCGGAGCGCGTGTTTGC

AY321153.2 AGCTGTTCAGAGAGTCATCGACTACACCATGTATCACTTCCATTCGGAACGAGCATTTGC

CL2833.CONTIG3 AGCTGTTCAAAGGATCTTTGCCTATGTTATGCAGTACATCAACTCGGAGCGCGTGTTTGC

CL2883.CONTIG2\_ALL AGCTGTTCAGAGAGTCATCGACTACACCATGTATCACTTCCATTCGGAACGAGCATTTGC

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CL2883.CONTIG1\_ALL TGAGGAAGCAGGAAGTGTTGCCAGCCTCATTCTCAAAGAATTTCTTTTCGTTTCAATTGA

CL2883.CONTIG4\_ALL TGAGGAAGCAGGAAGTGTTGCCAGCCTCATTCTCAAAGAATTTCTTTTCGTTTCAATTGA

CL2883.CONTIG5\_ALL TGCAGAAGCAGAAAAGGTCGTTCGCCTCATTCTCGACGAACTTCTCTTCGTTTCAATGGA

XM\_027379601 TGAGGAAGCAGGAAGTGTTGCCAGCCTCATTCTCAAAGAATTTCTTTTCGTTTCAATTGA

AY321153.2 TGCAGAAGCAGAAAAGGTCGTTCGCCTCATTCTCGACGAACTTCTCTTCGTTTCAATGGA

CL2833.CONTIG3 TGAGGAAGCAGGAAGTGTTGCCAGCCTCATTCTCAAAGAATTTCTTTTCGTTTCAATTGA

CL2883.CONTIG2\_ALL TGCAGAAGCAGAAAAGGTCGTTCGCCTCATTCTCGACGAACTTCTCTTCGTTTCAATGGA

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CL2883.CONTIG1\_ALL AAGCGAAGGCAACGGCATTGCAGTCCGAATTCCCCTCCACCGACCCTTGTATTCACTGAC

CL2883.CONTIG4\_ALL AAGCGAAGGCAACGGCATTGCAGTCCGAATTCCCCTCCACCGACCCTTGTATTCACTGAC

CL2883.CONTIG5\_ALL AAGCGAAGGCAACGGCGTTGCAGTCCGAATTCCCCTCCACCGACCCTTGTATTCACTGAC

XM\_027379601 AAGCGAAGGCAACGGCATTGCAGTCCGAATTCCCCTCCACCGACCCTTGTATTCACTGAC

AY321153.2 AAGCGAAGGCAACGGCGTTGCAGTCCGAATTCCCCTCCACCGACCCTTTTATTCACTAAC

CL2833.CONTIG3 AAGCGAAGGCAACGGCATTGCAGTCCGAATTCCCCTCCACCGACCCTTGTATTCACTGAC

CL2883.CONTIG2\_ALL AAGCGAAGGCAACGGCGTTGCAGTCCGAATTCCCCTCCACCGACCCTTTTATTCACTAAC

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CL2883.CONTIG1\_ALL GCAAGTGGCACAAGAAGCAGTGCCCAACCCTGTCACAATGCTCGAGAACCTGATATTTGC

CL2883.CONTIG4\_ALL GCAAGTGGCACAAGAAGCAGTGCCCAACCCTGTCACAATGCTCGAGAACCTGATATTTGC

CL2883.CONTIG5\_ALL GCAAGTGGCACAAGAAGCAGTGCCCAACCCTGTCACAATGCTCGAGAACCTGATATTTGC

XM\_027379601 GCAAGTGGCACAAGAAGCAGTGCCCAACCCTGTCACAATGCTCGAGAACCTGATATTTGC

AY321153.2 GCAAGTGGCACAAGAAGCAGTGCCCAGCCCTGTCACAATGCTCGAGAACCTGATATTTGC

CL2833.CONTIG3 GCAAGTGGCACAAGAAGCAGTGCCCAACCCTGTCACAATGCTCGAGAACCTGATATTTGC

CL2883.CONTIG2\_ALL GCAAGTGGCACAAGAAGCAGTGCCCAGCCCTGTCACAATGCTCGAGAACCTGATATTTGA

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CL2883.CONTIG1\_ALL CTACCTTGAATACATTCCCATCCCTGTGAGCGACGCAATCTGGGCCTACTACAACTTCCT

CL2883.CONTIG4\_ALL CTACCTTGAATACATTCCCATCCCTGTGAGCGACGCAATCTGGGCCTACTACAACTTCCT

CL2883.CONTIG5\_ALL CTACCTTGAATACATTCCCATCCCTGTGAGCGACGCAATCTGGGCCTACTACAACTTCCT

XM\_027379601 CTACCTTGAATACATTCCCATCCCTGTGAGCGACGCAATCTGGGCCTACTACAACTTCCT

AY321153.2 CTACCTTGAATACATTCCCATCCCTGTGAGCGACGCAATCTGGGCCTACTACAACTTCCT

CL2833.CONTIG3 CTACCTTGAATACATTCCCATCCCTGTGAGCGACGCAATCTGGGCCTACTACAACTTCCT

CL2883.CONTIG2\_ALL CTACCTTGAATACATTCCCATCCCTGTGAGCGACGCAATCTGGGCCTACTACAACTTCCT

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CL2883.CONTIG1\_ALL TCCACGCTACATCACGGACGCGCTGCCGCCCTACCCACGAACAGCCATGGTGGTTGGCGG

CL2883.CONTIG4\_ALL TCCACGCTACATCACGGACGCGCTGCCGCCCTACCCACGAACAGCCATGGTGGTTGGCGG

CL2883.CONTIG5\_ALL TCCACGCTACATCACGGACGCGCTGCCGCCCTACCCACGAACAGCCATGGTGGTTGGCGG

XM\_027379601 TCCACGCTACATCACGGACGCGCTGNCGCCCTACCCACGAACAGCCATGGTGGTTGGCGG

AY321153.2 TCCACGCTACATCACGGACGCGCTGCCGCCCTACCCACGAACAGCCATGGTGGTTGGCGG

CL2833.CONTIG3 TCCACGCTACATCACGGACGCGCTGCCGCCCTACCCACGAACAGCCATGGTGGTTGGCGG

CL2883.CONTIG2\_ALL TCCACGCTACATCACGGACGCGCTGCCGCCCTACCCACGAACAGCCATGGTGGTTGGCGG

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CL2883.CONTIG1\_ALL CACTGAGATCCTCAGCTTCAGCGGCCTTGTTGTGCGAGCACCTCGCTCGCCCTGCAAGCT

CL2883.CONTIG4\_ALL CACTGAGATCCTCAGCTTCAGCGGCCTTGTTGTGCGAGCACCTCGCTCGCCCTGCAAGCT

CL2883.CONTIG5\_ALL CACTGAGATCCTCAGCTTCAGCGGCCTTGTTGTGCGAGCACCTCGCTCGCCCTGCAAGCT

XM\_027379601 CACTGAGATCCTCAGCTTCAGCGGCCTTGTTGTGCGAGCACCTCGCTCGCCCTGCAAGCT

AY321153.2 CACTGAGATCCTCAGCTTCAGCGGCCTTGTTGTGCGAGCACCTCGCTCGCCCTGCAAGCT

CL2833.CONTIG3 CACTGAGATCCTCAGCTTCAGCGGCCTTGTTGTGCGAGCACCTCGCTCGCCCTGCAAGCT

CL2883.CONTIG2\_ALL CACTGAGATCCTCAGCTTCAGCGGCCTTGTTGTGCGAGCACCTCGCTCGCCCTGCAAGCT

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CL2883.CONTIG1\_ALL TCTCCTGGCTGCTCACGGCTCCCACCGCCTCATCATGTCCCACCCGCAAGCCTCAGCCCC

CL2883.CONTIG4\_ALL TCTCCTGGCTGCTCACGGCTCCCACCGCCTCATCATGTCCCACCCGCAAGCCTCAGCCCC

CL2883.CONTIG5\_ALL TCTCCTGGCTGCTCACGGCTCCCACCGCCTCATCATGTCCCACCCGCAAGCCTCAGCCCC

XM\_027379601 TCTCCTGGCTGCTCACGGCTCCCACCGCCTCATCATGTCCCACCCGCAAGCCTCAGCCCC

AY321153.2 TCTCCTGGCTGCTCACGGCTCCCACCGCCTCATCATGTCCCACCCGCAAGCCTCAGCCCC

CL2833.CONTIG3 TCTCCTGGCTGCTCACGGCTCCCACCGCCTCATCATGTCCCACCCGCAAGCCTCAGCCCC

CL2883.CONTIG2\_ALL TCTCCTGGCTGCTCACGGCTCCCACCGCCTCATCATGTCCCACCCGCAAGCCTCAGCCCC

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CL2883.CONTIG1\_ALL GGCACAGCTTGAGCTCAAGACACCAGCAGCCACCGTGATCATCAAGCCTGACTTTGAAGT

CL2883.CONTIG4\_ALL GGCACAGCTTGAGCTCAAGACACCAGCAGCCACCGTGATCATCAAGCCTGACTTTGAAGT

CL2883.CONTIG5\_ALL GGCACAGCTTGAGCTCAAGACACCAGCAGCCACCGTGATCATCAAGCCTGACTTTGAAGT

XM\_027379601 GGCACAGCTTGAGCTCAAGACACCAGCAGCCACCGTGATCATCAAGCCTGACTTTGAAGT

AY321153.2 GGCACAGCTTGAGCTCAAGACACCAGCAGCCACCGTGATCATCAAGCCTGACTTTGAAGT

CL2833.CONTIG3 GGCACAGCTTGAGCTCAAGACACCAGCAGCCACCGTGATCATCAAGCCTGACTTTGAAGT

CL2883.CONTIG2\_ALL GGCACAGCTTGAGCTCAAGACACCAGCAGCCACCGTGATCATCAAGCCTGACTTTGAAGT

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CL2883.CONTIG1\_ALL CCTGGTTAATGGCCAAGCCCTCGGGGGATCCCAGCAAACCATCGGAAACGTTAGGATTGT

CL2883.CONTIG4\_ALL CCTGGTTAATGGCCAAGCCCTCGGGGGATCCCAGCAAACCATCGGAAACGTTAGGATTGT

CL2883.CONTIG5\_ALL CCTGGTTAATGGCCAAGCCCTCGGGGGATCCCAGCAAACCATCGGAAACGTTAGGATTGT

XM\_027379601 CCTGGTTAATGGCCAAGCCCTCNGGGGATCCCAGCAAACCATCGGAAACGTTAGGATTGT

AY321153.2 CCTGGTTAATGGCCAAGCCCTCGGGGGATCCCAGCAAACCATCGGAAACGTTAGGATTGT

CL2833.CONTIG3 CCTGGTTAATGGCCAAGCCCTCGGGGGATCCCAGCAAACCATCGGAAACGTTAGGATTGT

CL2883.CONTIG2\_ALL CCTGGTTAATGGCCAAGCCCTCGGGGGATCCCAGCAAACCATCGGAAACGTTAGGATTGT

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CL2883.CONTIG1\_ALL GAACACAGCCAAGCACATTGAGGTGGGATGTCCCCTGATGAGGGTGATCGTTGCCAAGGC

CL2883.CONTIG4\_ALL GAACACAGCCAAGCACATTGAGGTGGGATGTCCCCTGATGAGGGTGATCGTTGCCAAGGC

CL2883.CONTIG5\_ALL GAACACAGCCAAGCACATTGAGGTGGGATGTCCCCTGATGAGGGTGATCGTTGCCAAGGC

XM\_027379601 GAACACAGCCAAGCACATTGAGGTGGGATGTCCCCTGATGAGGGTGATCGTTGCCAAGGC

AY321153.2 GAACACAGCCAAGCACATTGAGGTGGGATGTCCCCTGATGAGGGTGATCGTTGCCAAGGC

CL2833.CONTIG3 GAACACAGCCAAGCACATTGAGGTGGGATGTCCCCTGATGAGGGTGATCGTTGCCAAGGC

CL2883.CONTIG2\_ALL GAACACAGCCAAGCACATTGAGGTGGGATGTCCCCTGATGAGGGTGATCGTTGCCAAGGC

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CL2883.CONTIG1\_ALL AGGCGAGGCCGTAGCTGTTGAGGCTTCAGGCTGGATCTTTGGACGCGTAGCAGGGCTACT

CL2883.CONTIG4\_ALL AGGCGAGGCCGTAGCTGTTGAGGCTTCAGGCTGGATCTTTGGACGCGTAGCAGGGCTACT

CL2883.CONTIG5\_ALL AGGCGAGGCCGTAGCTGTTGAGGCTTCAGGCTGGATCTTTGGACGCGTAGCAGGGCTACT

XM\_027379601 AGGCGAGNCCGTAGCTGTTGAGGCTTCAGGCTGGATCTTTGGACGCGTAGCAGGGCTACT

AY321153.2 AGGCGAGGCCGTAGCTGTTGAGGCTTCAGGCTGGATCTTTGGACGCGTAGCAGGGCTACT

CL2833.CONTIG3 AGGCGAGGCCGTAGCTGTTGAGGCTTCAGGCTGGATCTTTGGACGCGTAGCAGGGCTACT

CL2883.CONTIG2\_ALL AGGCGAGGCCGTAGCTGTTGAGGCTTCAGGCTGGATCTTTGGACGCGTAGCAGGGCTACT

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CL2883.CONTIG1\_ALL GGGCCCCAACACTGGAGAAATTGCCAATGACCGTCTCATGCCCAGCGGTGCAGCAGCCTC

CL2883.CONTIG4\_ALL GGGCCCCAACACTGGAGAAATTGCCAATGACCGTCTCATGCCCAGCGGTGCAGCAGCCTC

CL2883.CONTIG5\_ALL GGGCCCCAACACTGGAGAAATTGCCAATGACCGTCTCATGCCCAGCGGTGCAGCAGCCTC

XM\_027379601 GGGCCCCAACACTGGAGAAATTGCCAATGACCGTCTCATGCCCAGCGGTGCAGCAGCCTC

AY321153.2 GGGCCCCAACACTGGAGAAATTGCCAATGACCGTCTCATGCCCAGCGGTGCAGCAGCCTC

CL2833.CONTIG3 GGGCCCCAACACTGGAGAAATTGCCAATGACCGTCTCATGCCCAGCGGTGCAGCAGCCTC

CL2883.CONTIG2\_ALL GGGCCCCAACACTGGAGAAATTGCCAATGACCGTCTCATGCCCAGCGGTGCAGCAGCCTC

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CL2883.CONTIG1\_ALL CAACCCCCGCGATTTGGTAGCTGCTTGGCAGGAGGACCCGCAGTGCTCCACCCCTGAGGT

CL2883.CONTIG4\_ALL CAACCCCCGCGATTTGGTAGCTGCTTGGCAGGAGGACCCGCAGTGCTCCACCCCTGAGGT

CL2883.CONTIG5\_ALL CAACCCCCGCGATTTGGTAGCTGCTTGGCAGGAGGACCCGCAGTGCTCCACCCCTGAGGT

XM\_027379601 CAACCCCCGCGATTTGGTAGCTGCTTGGCAGGAGGACCCGCAGTGCTCCACCCCTGAGGT

AY321153.2 CAACCCCCGCGATTTGGTAGCTGCTTGGCAGGAGGACCCGCAGTGCTCCACCCCTGAGGT

CL2833.CONTIG3 CAACCCCCGCGATTTGGTAGCTGCTTGGCAGGAGGAGCCGCAGTGCTCCACCCCTGAGGT

CL2883.CONTIG2\_ALL CAACCCCCGCGATTTGGTAGCTGCTTGGCAGGAGGACCCGCAGTGCTCCACCCCTGAGGT

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CL2883.CONTIG1\_ALL TCCTCATGCTGAGACCACAGTAGGTCGCCTGGTTCAGTGTGAAGCGTTGTTGGGGATTCG

CL2883.CONTIG4\_ALL TCCTCATGCTGAGACCACAGTAGGTCGCCTGGTTCAGTGTGAAGCGTTGTTGGGGATTCG

CL2883.CONTIG5\_ALL TCCTCATGCTGAGACCACAGTAGGTCGCCTGGTTCAGTGTGAAGCATTATTGGGGATTCG

XM\_027379601 TCCTCATGCTGAGACCACAGTAGGTCGCCTGGTTCAGTGTGAAGCGTTGTTGGGGATTCG

AY321153.2 TCCTCATGCTGAGACCACAGTAGGTCGCCTGGTTCAGTGTGAAGCGTTGTTGGGGATTCG

CL2833.CONTIG3 TCCTCATGCTGAGACCACAGTAGGTCGCCTGGTTCAGTGTGAAGCGTTGTTGGGGATTCG

CL2883.CONTIG2\_ALL TCCTCATGCTGAGACCACAGTAGGTCGCCTGGTTCAGTGTGAAGCATTATTGGGGATTCG

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CL2883.CONTIG1\_ALL CTCCAGGTGTAACCCAGTGGTTCACCCACAGCCATTCATCAGCATGTGTCACACTGCCCA

CL2883.CONTIG4\_ALL CTCCAGGTGTAACCCAGTGGTTCACCCACAGCCATTCATCAGCATGTGTCACACTGCCCA

CL2883.CONTIG5\_ALL CTCAAGTTGTAACCCAGTGGTTCACCCACAGCCATTCATCAGCATGTGTCACACTGCCCA

XM\_027379601 CTCCAGGTGTAACCCAGTGGTTCACCCACAGCCATTCATCAGCATGTGTCACACTGCCCA

AY321153.2 CTCCAGGTGTAACCCAGTGGTTCACCCACAGCCATTCATCAGCATGTGTCACACTGCCCA

CL2833.CONTIG3 CTCCAGGTGTAACCCAGTGGTTCACCCACAGCCATTCATCAGCATGTGTCACACTGCCCA

CL2883.CONTIG2\_ALL CTCAAGTTGTAACCCAGTGGTTCACCCACAGCCATTCATCAGCATGTGTCACACTGCCCA

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CL2883.CONTIG1\_ALL CAAGGCTTGCGATGCCGCCCAAGCTTACAGAACCATTTGCTCTCTGAGAGGAGTGGAAGA

CL2883.CONTIG4\_ALL CAAGGCTTGCGATGCCGCCCATGCTTACAGAACCATTTGCTCTCTGAGAGGAGTGGAAGA

CL2883.CONTIG5\_ALL CAAGGCTTGCGATGCCGCCCAAGCTTACAGAACCATTTGCTCTCTGAGAGGAGTGGAAGA

XM\_027379601 CAAGGCTTGCGATGCCGCCCATGCTTACAGAACCATTTGCTCTCTGAGAGGAGTGGAAGA

AY321153.2 CAAGGCTTGCGATGCCGCCCATGCTTACAGAACCATTTGCTCTCTGAGAGGAGTGGAAGA

CL2833.CONTIG3 CAAGGCTTGCGATGCCGCCCATGCTTACAGAACCATTTGCTCTCTGAGAGGAGTGGAAGA

CL2883.CONTIG2\_ALL CAAGGCTTGCGATGCCGCCCAAGCTTACAGAACCATTTGCTCTCTGAGAGGAGTGGAAGA

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CL2883.CONTIG1\_ALL AGTTTTCCCTATGGCGTGCTAACAACACCTGTTGACATGTTAACATAGACATTAAATGTT

CL2883.CONTIG4\_ALL AGTTTTCCCTATGGCGTGCTAACAACACCTGTTGACATGTTAACATAGACATTAAATGTT

CL2883.CONTIG5\_ALL AGTTTTCCCTATGGCGTGCTAACAACACCTGTTGACATGTTAACATAGACATTAAATGTT

XM\_027379601 AGTTTTCCCTATGGCGTGCTAACAACACCTGTTGACATGTTAACATAGACATTAAATGTT

AY321153.2 AGTTTTCCCTATGGCGTGCTAACAACACCTGTTGACATGTTAACATAGACATTAAATGTT

CL2833.CONTIG3 AGTTTTCCCTATGGCGTGCTAACAACACCTGTTGACATGTTAACATAGACATTAAATGTT

CL2883.CONTIG2\_ALL AGTTTTCCCTATGGCGTGCTAACAACACCTGTTGACATGTTAACATAGACCTAGAATGTT

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CL2883.CONTIG1\_ALL GACGACTCATTCAGATTTTGGATATGGCTATAG---ATAACTGTATTTTTGTTACGTGAA

CL2883.CONTIG4\_ALL GACGACTCATTCAGATTTTGGATATGGCTATAGGTATTAACTGTATTTTTGTTACGTAAA

CL2883.CONTIG5\_ALL GACGACTCATTCGGATTTTGGATATGGCTATAGGTATTAACTGTATTTTTGTTACGTAAA

XM\_027379601 GACGACTCATTCAGATTTTGGATATGGCTATAGGTATTAACTGTATTTTTGTTACGTGAA

AY321153.2 GACGACTCATTCAGATTTTGGATATGGCTATAGGTATTAACTGTATTTTTGTTACGTAAA

CL2833.CONTIG3 GACGACTCATTCAGATTTTGGATATGGCTATAGGTATTAACTGTATTTTTGTTACGTAAA

CL2883.CONTIG2\_ALL GACGACTCATTCAGATTTTGGATATGGCTATAG---ATAACTGTATTTTTGTTACGTGAA

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CL2883.CONTIG1\_ALL TGCATCATAAAATG--TACAAAAAAAAATCCTCAATAAAATTGCAAC-------------

CL2883.CONTIG4\_ALL TGCATCATAAAATG--TACAAAAAAAAATCCTCAATAAAATTGCAAC-------------

CL2883.CONTIG5\_ALL TGCATCATAAAATG--TACAAAAAAAAATCCTCAATAAAATTGCAAC-------------

XM\_027379601 TGCATCAT----------------------------------------------------

AY321153.2 TGCATCATAAAATG--TACAAAAAAAAATCCTCAATAAAATTGCAAC-------------

CL2833.CONTIG3 TGCATCATAAAATGTACAAAAAAAAAAATCCTCAATAAAATTGCAAC-------------

CL2883.CONTIG2\_ALL TGCATCATAAAAAAAAAAAAAAAAAAAATCCAAGTACTATTATTTACGAGAAGACAGAAT

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CL2883.CONTIG1\_ALL ------------------------------------------------------------

CL2883.CONTIG4\_ALL ------------------------------------------------------------

CL2883.CONTIG5\_ALL ------------------------------------------------------------

XM\_027379601 ------------------------------------------------------------

AY321153.2 ------------------------------------------------------------

CL2833.CONTIG3 ------------------------------------------------------------

CL2883.CONTIG2\_ALL ATCTTGGAAAGCCTCGCAAGTCCATTAATATCTCTCAGAAACCGTATGAATCCAGGAAGA

CL2883.CONTIG1\_ALL --------------------------------------------------------CAAC

CL2883.CONTIG4\_ALL --------------------------------------------------------CAAC

CL2883.CONTIG5\_ALL --------------------------------------------------------CAAC

XM\_027379601 ------------------------------------------------------------

AY321153.2 --------------------------------------------------------CAAC

CL2833.CONTIG3 --------------------------------------------------------CAAC

CL2883.CONTIG2\_ALL AAAAACTCAAATTCTGCATTATGCAATTTTGATCTTTTTGGATGATAAATTCTTCACATC

CL2883.CONTIG1\_ALL TACATTTCTGTTTTGTATTCCATTTGCATATCTG--------------------------

CL2883.CONTIG4\_ALL TACATTTCTGTTTTGTATTCCATTTGCATATCTG--------------------------

CL2883.CONTIG5\_ALL TACAAAA-----------------------------------------------------

XM\_027379601 ------------------------------------------------------------

AY321153.2 TAAAAAAAAAAAAAAAAAAAAAAAAAAAAA------------------------------

CL2833.CONTIG3 ------------------------------------------------------------

CL2883.CONTIG2\_ALL AAAAAAACTGTCTTGGATCTCATATGTCATACTGGCGGCAGTGAGATCGTCACATCAGTG

CL2883.CONTIG1\_ALL ------------------------------------------------------------

CL2883.CONTIG4\_ALL ------------------------------------------------------------

CL2883.CONTIG5\_ALL ------------------------------------------------------------

XM\_027379601 ------------------------------------------------------------

AY321153.2 ------------------------------------------------------------

CL2833.CONTIG3 ------------------------------------------------------------

CL2883.CONTIG2\_ALL AAGGGAGTATTCATTCCGTAATGATTCATTTCCAAAGAATGATAAGTCATTTGTAATGTA

CL2883.CONTIG1\_ALL ------------------------------------------------------------

CL2883.CONTIG4\_ALL ------------------------------------------------------------

CL2883.CONTIG5\_ALL ------------------------------------------------------------

XM\_027379601 ------------------------------------------------------------

AY321153.2 ------------------------------------------------------------

CL2833.CONTIG3 ------------------------------------------------------------

CL2883.CONTIG2\_ALL TGATTTAAAACAAGATGTTAGAATAGTTAATTATGCTAAATTCACATTATATTAGGCTGC

CL2883.CONTIG1\_ALL -------TTTCTATATCTTTTTAAGTATCTAATTCCGGAAACCATAACGAGAAAATATTG

CL2883.CONTIG4\_ALL -------TTTCTATATCTTTTTAAGTATCTAATTCCG-----------------------

CL2883.CONTIG5\_ALL ------------------------------------------------------------

XM\_027379601 ------------------------------------------------------------

AY321153.2 ------------------------------------------------------------

CL2833.CONTIG3 ------------------------------------------------------------

CL2883.CONTIG2\_ALL ATCATGTTTTATATATAAATTAATGCATCGTATTCATCTTCATTAAAACATACTCATTTG

CL2883.CONTIG1\_ALL GATTACGATGTTGCAGAAATAAGAACATAGATTTATTTGCAGTTGGCAGTATGATATCAA

CL2883.CONTIG4\_ALL ------------------------------------------------------------

CL2883.CONTIG5\_ALL ------------------------------------------------------------

XM\_027379601 ------------------------------------------------------------

AY321153.2 ------------------------------------------------------------

CL2833.CONTIG3 ------------------------------------------------------------

CL2883.CONTIG2\_ALL AGTACAGTTTATATAGACCTCAACTGCCATTGTCATTGTCATCATCATTGCTATTCTCGG

CL2883.CONTIG1\_ALL TTAGAATACAGAAGGCAACTGATTAAACAAAACAAGTATGACATAAAGATATAAACTATA

CL2883.CONTIG4\_ALL ---------------------------------------------------GAAACCATA

CL2883.CONTIG5\_ALL ------------------------------------------------------------

XM\_027379601 ------------------------------------------------------------

AY321153.2 ------------------------------------------------------------

CL2833.CONTIG3 ------------------------------------------------------------

CL2883.CONTIG2\_ALL TTACTTTGTATTAATTAGCTTAATAAAGTATGGATGATTTTTTCTTCCGTTCAACATTTA

CL2883.CONTIG1\_ALL CAGTTCTTGTAAAATTTCCCCTTTGGCGTGCTAACAACACCTGTTG--------------

CL2883.CONTIG4\_ALL CAGTTCTTGTAAAATTTCCCCTT-------------------------------------

CL2883.CONTIG5\_ALL ------------------------------------------------------------

XM\_027379601 ------------------------------------------------------------

AY321153.2 ------------------------------------------------------------

CL2833.CONTIG3 ------------------------------------------------------------

CL2883.CONTIG2\_ALL CTTTTATTCATCACTTTAAGTAATGAATGGAAGCCTATTTATATTTGTATATATTATAGA

CL2883.CONTIG1\_ALL ------------------------------------------------------------

CL2883.CONTIG4\_ALL ------------------------------------------------------------

CL2883.CONTIG5\_ALL ------------------------------------------------------------

XM\_027379601 ------------------------------------------------------------

AY321153.2 ------------------------------------------------------------

CL2833.CONTIG3 ------------------------------------------------------------

CL2883.CONTIG2\_ALL GATTAAATATTTTTAATAAAAGTGTACCTCACTTATCTCTCTCTCCTTTGAATTAGATTC

CL2883.CONTIG1\_ALL ------------------------------------------------------------

CL2883.CONTIG4\_ALL ------------------------------------------------------------

CL2883.CONTIG5\_ALL ------------------------------------------------------------

XM\_027379601 ------------------------------------------------------------

AY321153.2 ------------------------------------------------------------

CL2833.CONTIG3 ------------------------------------------------------------

CL2883.CONTIG2\_ALL ATCATACCCTCTGAAACGTCCCCATGACTTCACCAGAAAAGTAACTTTTTTATGAGAATC

CL2883.CONTIG1\_ALL ------------------------------------------------------------

CL2883.CONTIG4\_ALL ------------------------------------------------------------

CL2883.CONTIG5\_ALL ------------------------------------------------------------

XM\_027379601 ------------------------------------------------------------

AY321153.2 ------------------------------------------------------------

CL2833.CONTIG3 ------------------------------------------------------------

CL2883.CONTIG2\_ALL TTGAATGTTACAATTACTGTCCTTTTCCTCTGATGATTTTTGGTCGTTCTGTTTTGGTGT

CL2883.CONTIG1\_ALL ------------------------------------------------------------

CL2883.CONTIG4\_ALL ------------------------------------------------------------

CL2883.CONTIG5\_ALL ------------------------------------------------------------

XM\_027379601 ------------------------------------------------------------

AY321153.2 ------------------------------------------------------------

CL2833.CONTIG3 ------------------------------------------------------------

CL2883.CONTIG2\_ALL TGGCTTCGTTCACCCTTTCAGTATTTAATTATTTATTTTTTCTTGCATTTTCATTTATCA

CL2883.CONTIG1\_ALL ------------------------------------------------------------

CL2883.CONTIG4\_ALL ------------------------------------------------------------

CL2883.CONTIG5\_ALL ------------------------------------------------------------

XM\_027379601 ------------------------------------------------------------

AY321153.2 ------------------------------------------------------------

CL2833.CONTIG3 ------------------------------------------------------------

CL2883.CONTIG2\_ALL ATTTTTTCATTATTTCCTTTTATGTGTTGTTTTTTTCCCTTTCAATAAAAACATCTCCAA

CL2883.CONTIG1\_ALL -------------------------------------------------

CL2883.CONTIG4\_ALL -------------------------------------------------

CL2883.CONTIG5\_ALL -------------------------------------------------

XM\_027379601 -------------------------------------------------

AY321153.2 -------------------------------------------------

CL2833.CONTIG3 -------------------------------------------------

CL2883.CONTIG2\_ALL AAGTGTGGATATGAAGGTATATTACTGATAATTTACAAGTGCATTTGTG

Supplementary Figure 1:Nucleotide sequence information for the LvV11 gene obtained from different L. vannamei transcriptomes. XM\_027379601 and AY321153.2 are the vitellogenin sequences of L. vannamei retrived from the GenBank database. These sequences are analyzed by multiple sequence alignment as described in the Material and Methods section of the MS.