

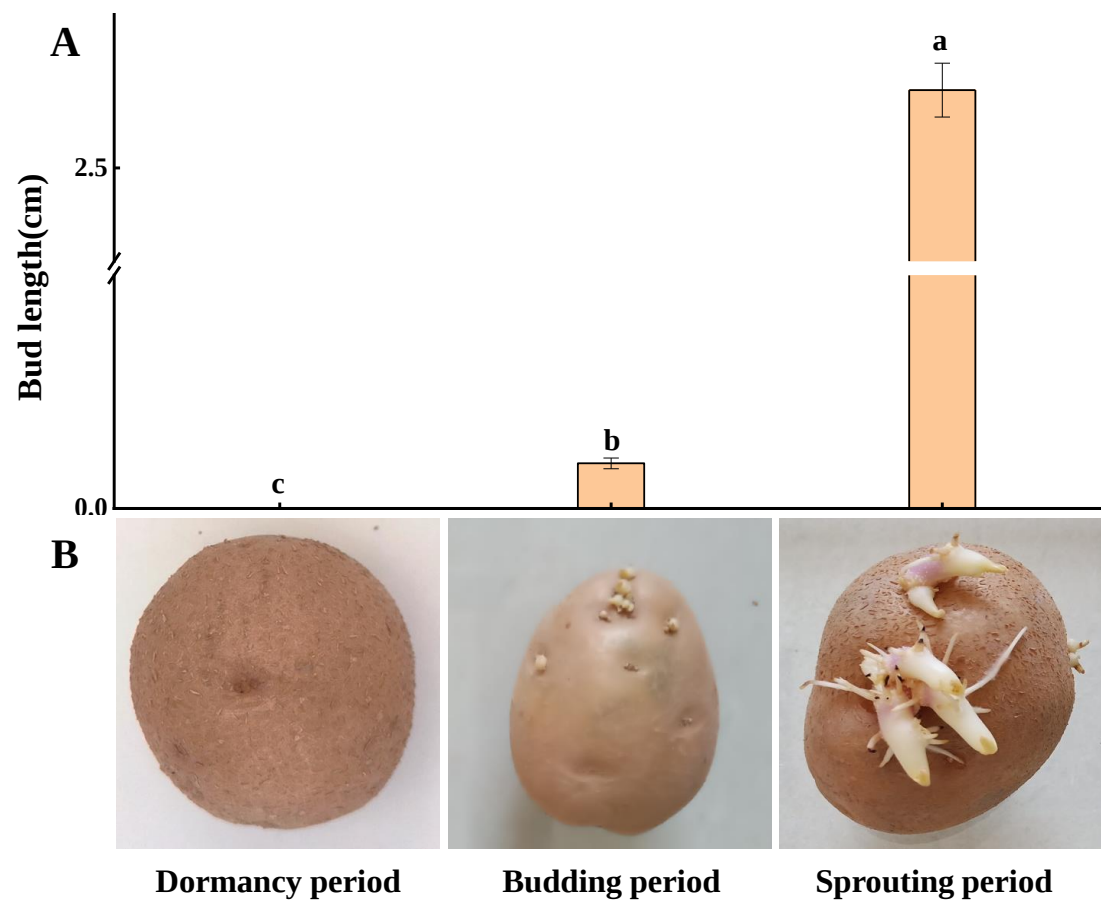
Supplementary Materials

Supplementary Fig. 1 Changes of bud length during tuber sprouting.

Supplementary Fig. 2 Changes in plant hormones during tuber sprouting between DP vs BP (A) and BP vs SP (B).

Supplementary Fig. 3 Changes in the number of transcription factor families during tuber sprouting.

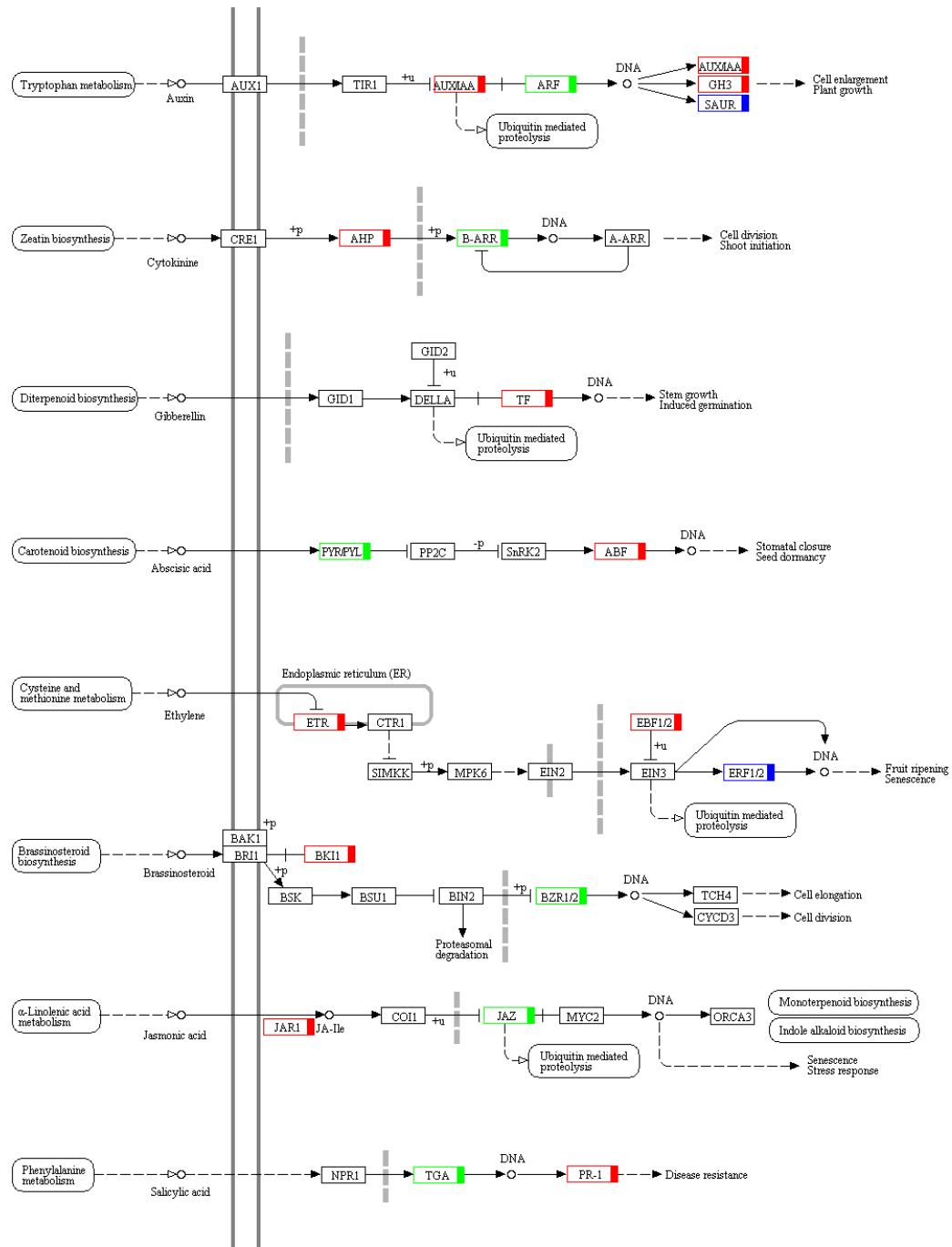
Supplementary Table.1 qRT-PCR primers.

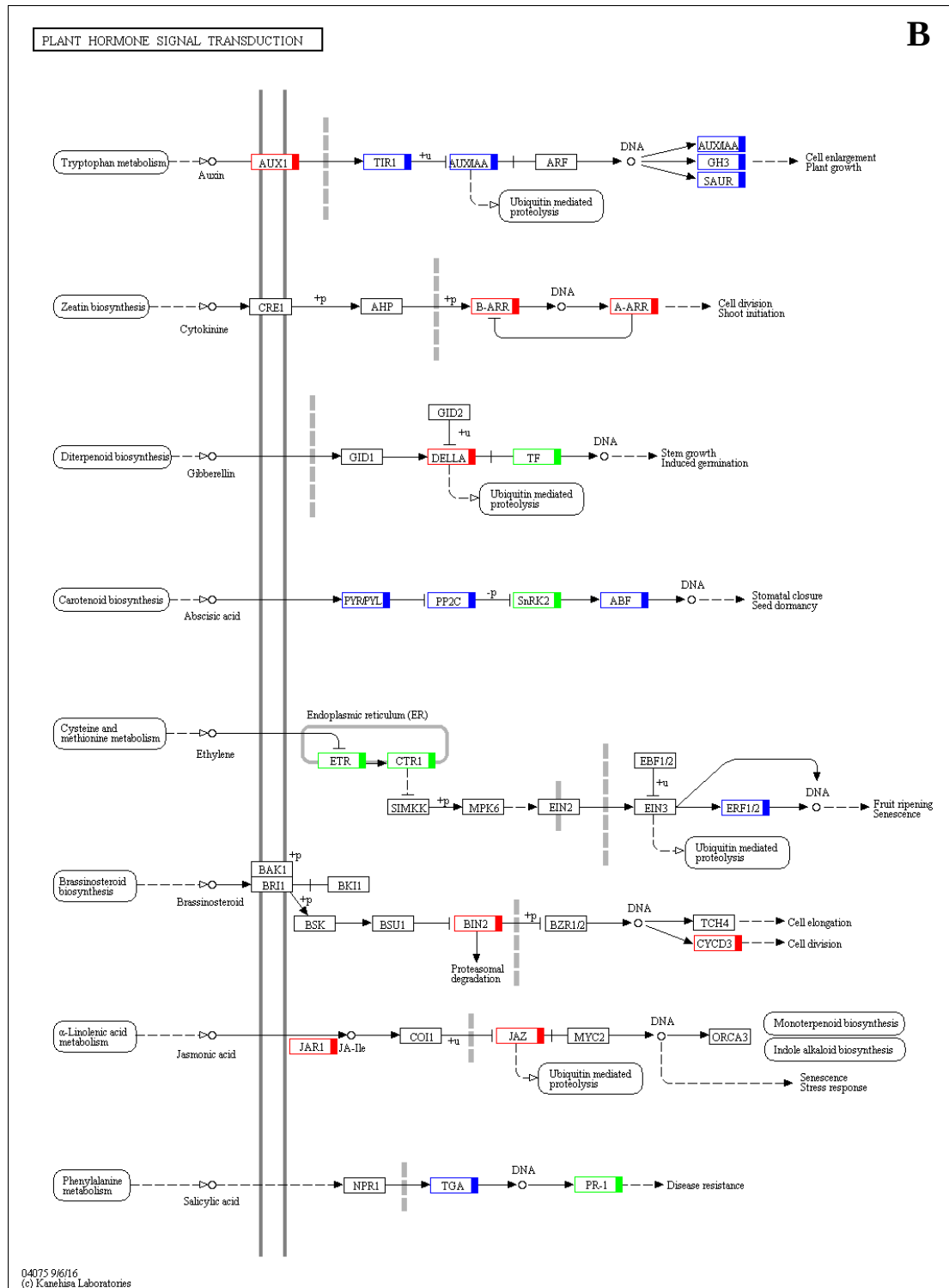


Supplementary Fig. 1

PLANT HORMONE SIGNAL TRANSDUCTION

A





Supplementary Fig. 2

Gene ID	Primer-F (5'-3')	Primer-R (5'-3')	Product size
Soltu.DM.11G010760.1	TTCCTGCCTTAGCACACA	TACAACCCAACCCACCTT	100
Soltu.DM.10G017220.1	TTATGTAGAAATGGAGA	ATTGAGAAAATGAGTATG	158
Soltu.DM.11G010760.2	GCACTCAGGACCAACAAC	TCCAAAAGCCCAATACAC	202
Soltu.DM.02G018730.1	GGAAGTATGAATCAATGC	AGTTACAACAAAAGGTGG	200
Soltu.DM.02G018730.2	TAGTTGGCTAAGTTGTTT	GTGAGTTGATCTGGAAGA	234
Soltu.DM.03G021820.1	GGATCGGACACAAACACC	CCCTGAAGCACCACAAGT	336
Soltu.DM.04G036390.1	GAAGCAAATACTAAAAAG	CCAACGTAAACTACAAAA	114
Soltu.DM.06G014110.1	ATCTACCTCACATCCATT	TCTTCTTCATTACCTTTC	196
Soltu.DM.01G050400.1	CTTCTTCATCTAAACGCA	GAATAAAAACTCATCGCA	200
Soltu.DM.09G005650.1	GCCAAAATAAATGGGAAA	GCCTTGAAGAGTGGATGC	202
Soltu.DM.06G023410.1	TATCGGAGAAAGAACAAT	TCACTAAACATCAGCCAG	254
Soltu.DM.06G019360.1	AATGGAGTAGTGGGGTGG	TTTGGAGCAAGGTGTTAG	232
Soltu.DM.03G000450.1	TGGAGCCCCTTTTCTTAG	AAATCGCCTTCTTTATCT	168
Soltu.DM.01G036470.1	TGAAGGAGAAGAAGAATA	TGTAAAAGAGCTGAACAT	290
Soltu.DM.09G020550.1	ATTAGGTTTGCTGGGAT	TTGGTGGAGGAGGTGAGT	122
Soltu.DM.06G001110.1	CTAGGGTTGCCTGGGGAA	GCTGGGGCTTTGAGTGTT	146
Soltu.DM.09G025700.1	AATGATGATATTTCTTGT	TTCTTGGTAACTTTGTGA	276
Soltu.DM.06G014840.1	GTGAGAAGGGAGAAAAAA	TGGTCAAAGAATCAGAGA	120
Soltu.DM.03G035030.1	TCTCAAAGTGAAAGCAAG	TGGAACATCTCCAACAAG	102
Soltu.DM.08G004810.3	TCAGTCGCTACTCTCTC	CCTTCTGTCTCATCCAAA	290
Soltu.DM.02G016930.3	GCTCGTTATAGCAAACCG	ATCTGACCAAAAGGCACC	298
Soltu.DM.10G001990.1	TTACACCTTTATTTCCAC	TCAAGATTACATTTTCCC	278
Soltu.DM.07G018500.1	GCTTATACTCTCATACCT	ACATTCTTTCTACACACA	254
Soltu.DM.02G028070.1	CTAAGGTCCCCGTTGTCA	AGGCGTCTTGGTTCTGC	284
Soltu.DM.01G046770.1	CCTCACCTACCAATCTCG	GCATTCTCTACGGCTCTC	232
Soltu.DM.12G022190.1	CGTTGGTGGATTTAGTTG	GGCGATAGACGCTGTTTA	408
Soltu.DM.07G025190.1	ATTCTTGCCTGTTTCATCG	TAGCACCACATTCTTCT	244
Soltu.DM.01G046780.1	TACTTTCATCTCCTTTGG	ACTTTCTCCTGTAATCCC	300
Soltu.DM.02G007770.1	CATCTCATCCCATCTCTG	TCTTGGTTTCTGCTTTTA	198
MLSYY_newGene_2641	AATACTCAAACCAAATCA	CATACCTGTCACAATCAC	128
Soltu.DM.10G004380.1	TACTATGGTTCTCTTGC	TTGTTTTGTATTGTTTGC	284
Soltu.DM.03G021820.1	CGGACACAAACACCATCC	TCCTCACCTTGACCCACC	138
Soltu.DM.04G036390.1	GTTGAGTATAGGAAAGA	TCACATGGAATTGTAAGT	220
Soltu.DM.06G014110.1	ATCTACCTCACATCCATT	TCTTCTTCATTACCTTTC	196
Soltu.DM.01G050400.1	CTTCTTCATCTAAACGCA	GAATAAAAACTCATCGCA	200
Soltu.DM.09G005650.1	GCCAAAATAAATGGGAAA	GCCTTGAAGAGTGGATGC	202
Soltu.DM.01G050410.1	ATTAGAAAATCAAACAAG	GGATGAGTCAAAAAAGAA	194
Soltu.DM.02G024000.1	TGTTTATGTTGGAGAAAA	ACAAGGAATAGTAATGCC	136
Soltu.DM.03G037810.1	TAGTAGTGGTAATGGCGG	CTTGAAATGATTGGTGGG	182
Soltu.DM.03G037340.1	GCCGTTATGACACCAAGA	CTCCCACCAGCACAAAGTA	230
Soltu.DM.01G050490.1	ACCAGAGATATTCCAAG	ATAGTCACACCACCCATT	164
Soltu.DM.07G013310.1	ATTAATGTGTGTTGTGAT	CTAAGGTAAGTTGTAGGA	134

Soltu.DM.02G006020.1	AAGAAGGGGAGAGGAGAT	CTTGAAAAAGCAATAAA	226
Soltu.DM.08G025430.1	AAGAACCGATTGCTCCAA	TCCACCTCAGCTCTCCAC	276
Soltu.DM.05G019030.1	CAACTCTCTTCGTCTCG	CATCCTCATCAACCCCTA	134
Soltu.DM.01G037840.1	GGAACAAATCCAAAGAAA	AAGAAAAGGGACACAAC	108
Soltu.DM.05G024870.2	CAAAGTCTTGCTACCCTC	TTCCCTTGCAATTCATA	260
Soltu.DM.12G001580.1	GTTAGCAGACCAGAGAGA	CATTGTGAACGAGACCAT	248
Soltu.DM.07G000240.3	ATGAAAATGGAATGACG	TGTTGGGTTTGAACGAA	238
Soltu.DM.05G024870.3	GGTTTGGTCGGTGGAGCT	GCAAGACTTTGTGCGGGT	232
Soltu.DM.03G027640.1	TACCCGTTGTTATTATGT	CTCTGTTTCTTTGTTGTC	164
MLSYY_newGene_2993	TGATTTCCTCTCTTTTG	CCCCCTCACCTCTTAGTA	248
Soltu.DM.04G012400.1	AATCCCCCTTGTTTCT	ATCTTCTGCCCTTCTTC	216
Soltu.DM.06G011930.1	CCTCATGTCTTAGCTGTT	ACGATTCCTTTATTTTCT	244
Soltu.DM.10G020700.1	GGCTTGCGAAGGAATAA	GTGAAGAGCGGGCGACTA	216
Soltu.DM.07G014300.8	CCCTATCTATGATTGCTT	CCTTATTATTGTCCTCTG	122
Soltu.DM.03G013340.1	TTACATTACCACACCCAC	TTACCTGAACCTCCCTTA	196
Soltu.DM.08G022790.1	TATCATTGGCGGAGAACA	TATCAGCGAAAAGGCGTG	158
Soltu.DM.10G022490.1	TACCCGATTCTGTTTCCC	AATGCTTATACGCCTGCG	144
Soltu.DM.08G028930.1	TTGTTACTTTGTTGAGGC	ACATTCTGTCTGATAGGCT	104
Soltu.DM.08G028930.2	ACCACAAGCAAGGAGAGG	TTTGAGGTTACACCGAAT	240
Soltu.DM.07G012130.13	CGGAATGAAGACAAGAAG	GAATCAAAACAAAAGGCA	218
Soltu.DM.07G012130.6	CGGAATGAAGACAAGAAG	CAGAATCAAAACAAAAGG	220
Soltu.DM.06G031720.1	GATAACGCTGTGGAAGT	GCAAAATGAAGGATGAAT	253
Soltu.DM.07G012130.3	CGTTTCTGGTGTTCTTGC	TCGTCTTCTTTTGCTCGG	108
Soltu.DM.07G012130.8	AGGTAAAGTTGGGAGAA	CAGAATCAAAACAAAAGG	246
Soltu.DM.07G012130.5	CGGAATGAAGACAAGAAG	GAATCAAAACAAAAGGCA	218
Soltu.DM.07G012130.1	CGGAATGAAGACAAGAAG	CAGAATCAAAACAAAAGG	220
Soltu.DM.03G036680.8	AACTGTTGGGTCCACTGC	CATAACTTCTGGTTCGGG	280
Soltu.DM.07G012130.12	CGTTTCTGGTGTTCTTGC	ACAGTCGTCTTCTTTTGC	112
Soltu.DM.12G006900.1	TAGTAATGGAGTATGCGG	ACAGTGGAAGTTGGTTGA	256
Soltu.DM.09G003620.1	GGTTATCCGCCACTTCCA	TTCGCCACCTCTCATTC	268
Soltu.DM.10G015000.1	ACACTGCCACAGACACTT	ACTCCTGCTCTTACCAA	146
Soltu.DM.11G016910.4	ATGTAAGTGGGACTGGAG	CTTGTTGAAATGCTATGG	192
Soltu.DM.09G026120.1	TCTTTTCCCAACAAAC	TATCATCCTCTTACGCCT	274
Soltu.DM.12G028970.2	GTTCTGATGCTTCCTTCG	TTCTGCTTCTTCTTCGC	186
Soltu.DM.10G022040.2	AATGGCTCTGATGTTGCT	TGGTTTGCGTTTGTGAAG	300
Soltu.DM.07G003690.1	GGGCTTCTCCACTTTTG	ACCCTCCTGCATCCATCA	152
Soltu.DM.11G007940.1	ATAGTGTTAGGGTTTGGT	TTTTCTCCTTCTTTTTA	250
Soltu.DM.05G020900.1	CAACAACATCAAAAGCAA	GAGAAGAGACCAAGGACC	260
Soltu.DM.09G021200.1	CTATACTTAACCTTCCTG	CTACTCACACTCTTTCTC	130
Soltu.DM.08G024150.1	AAATGGGCAAAGAGTGTG	TATCCGATGACGACGAAG	206
Soltu.DM.08G024160.1	GCGATGATTTCTACAACG	AACCGACTCTAACAGGCT	256
Soltu.DM.12G005660.1	GGCACTTACTTCCTCTTC	TTCCCTTAGCATCACAAAC	162
Soltu.DM.08G024150.1	AAATGGGCAAAGAGTGTG	TATCCGATGACGACGAAG	206
Soltu.DM.08G024160.1	GCGATGATTTCTACAACG	AACCGACTCTAACAGGCT	256

Soltu.DM.12G005470.2	CCGATGGAGATTGGAGGC	TCAGCACGGGATGGACTG	146
Soltu.DM.10G017410.1	GTTGATTGCCTTTACTGT	TTTCTAGACCCATCTGAG	218
Soltu.DM.01G047090.1	CTGATTGTAGATTTCGTAC	TTATTCACATTCTCCTTG	148
Soltu.DM.02G028240.1	TGGATTGGATGTTGAGGG	ACAAAAGGGGAAC TTGGG	192
Soltu.DM.01G034690.3	TCAAGACAAAGGGAGGTT	ACACAAGAGATGGCAGTA	164
Soltu.DM.05G019950.1	ATTATTCCTCAAACACCAG	GCCATCTACATTTTCCAC	238
Soltu.DM.10G005610.1	TACTTATGCAGTGTTACC	CTTTCTCAGTGTTCTTGT	278
Soltu.DM.10G005610.2	TACTTATGCAGTGTTACC	AAATCTTTCTCAGTGTTT	282
Soltu.DM.07G012950.3	GATTCAACTGGTTCTACT	TTGTTTTCTTCTTCTTA	266
Soltu.DM.03G036980.1	CTTGTTGAGTCAGTTTAT	TGTTCTTCTTTAGTTAGA	156
Soltu.DM.06G024860.1	TGGTTCTGTCTGTGTTTA	TGTTGTTTCATTTCGTATT	142
Soltu.DM.07G012950.1	AAGGCACAGATGACGATA	AAACTGGGAACAACCAAA	158
Soltu.DM.03G036980.3	CACCACAGCAACAACACC	GCCAAATACTGCCATATA	254
Soltu.DM.12G026270.1	CAATGCCACAGCCTTCTG	CAATGCCACAGCCTTCTG	152
Soltu.DM.07G012950.2	CAAGGGAAACAACACACA	AGACACTCAAAAGGGGAA	140
Soltu.DM.03G036980.2	CACCACAGCAACAACACC	GCCAAATACTGCCATATA	254
Soltu.DM.12G008980.1	AACAGAGCAAGACCAGAA	CACTTTACCCCATAGAA	130
Soltu.DM.11G019010.3	CTTGTTGGCTTGGTGGATT	GCCTGTTGGGATGACTGT	120
Soltu.DM.06G029750.1	TATGCTGTTTTTAGGGGG	TCTTGGGGTCTGTTGGTA	246
Soltu.DM.10G026610.1	AACACACCAAACACATCA	CACCAATCCACATAAAAC	204
Soltu.DM.10G026630.2	CTATGGGGAAATTAGGGA	TCAAACAAC TGAACGAGC	130
Soltu.DM.09G007030.1	TATTTCACTCTTGTGATG	TAGTTGTAGTTTGGCTTC	258
Soltu.DM.09G007060.1	GGCAACCCGAGCACAAAA	CGAGCCC GACCACAACCT	246
Soltu.DM.01G045900.1	GTGTTCTTGGTTTTAGGC	ATCGTTCCATTTTAGGGG	126
Soltu.DM.09G007020.1	TATTTCACTCTTGTGATG	AGTTGTAGTTTGGCTTCT	258
Soltu.DM.01G045910.1	TCTTAACGCTCACAATGC	AATCACGCCAGACTACCT	290
ef1AB061263	ATTGAAACGGATATGCTCCA	TCCTTACCTGAACGCTGTCA	101

Supplementary Table. 1