

Table S1 Oligonucleotide sequences of the primers used in this study

Afu5g06700 pRS426 5fw	5'-GTAACGCCAGGGTTTTCCAGTCACGACGGCCTCCTCCTCCAACGCAC-3'
Afu5g06700 pyrG 5rv	5'-GCACTTAAGGACAAGAAGCTCTGCAAAGCGTAGTAATCGACCG-3'
Afu5g06700 pyrG 3fw	5'-CACTTGAAGGACAAGAAGCTCTATGTCTCTCTAGGCTTATGCG-3'
Afu5g06700 pRS426 3rv	5'-GCGGTTAACAATTTCTCTCTGGAAACAGCCGCCAGTTCCTCAATGATAACC-3'
Afu5g06700 ORF fw	5'-ATGGCTGCATCCGATCTCGAGG-3'
Afu5g06700 ORF rv	5'-TCAGCTTTGTAATTTGAGCAGACACG-3'
Afu5g06700 5'ext fw	5'-CTGCAGTCTAACGTAGCGG-3'
Afu5g06700_hygromycin 3rv	5'TCCTGTGTGAAATTGTTATCCGCTGAAATGACGATGGCTCATGAGC-3'
Afu5g13740 pRS426 5fw	5'-GTAACGCCAGGGTTTTCCAGTCACGACGTTGTTCTCTGATGGACTCGAA-3'
Afu5g13740 pyrG 5rv	5'-GCCTCCTCTCAGACAGAATTTTGCTGTTTGCTCTGAGGAG-3'
Afu5g13740 pyrG 3fw	5'-GCATTGTTTGAGGCGAATTCTTGGGCTTAGCATGGCGTGGCG-3'
Afu5g13740 pRS426 3rv	5'-GCGGTTAACAATTTCTCTCTGGAAACAGCTATCGGAACCATGCTGCATTGC-3'
Afu5g013740 ORF fw	5'-CCTCTATCTAGTTCTGCATCGGGCG-3'
Afu5g13740 ORF rv	5'-GTTGCATTATCACTCATCGGGCCC-3'
Afu5g0137340_hygromycin 3rv	5'-TCCTGTGTGAAATTGTTATCCGCTGGTTAGGACTGGGGAGGTTAATTG-3'
Afu5g12010 pRS426 5fw	5'-GTAACGCCAGGGTTTTCCAGTCACGACGATTGTATCACACAAGATCACC-3'
Afu5g12010 pyrG 5rv	5'-GCACTTAAGGACAAGAAGCTCTTCTTCGTAACCCATACGACG-3'
Afu5g12010 pyrG 3fw	5'-CACTTGAAGGACAAGAAGCTTGCACCTTATCTTCCTTCTAAG-3'
Afu5g12010 pRS426 3rv	5'-GCGGTTAACAATTTCTCTCTGGAAACAGCCTTCAACCTCAGCTTCATATC-3'
Afu5g12010 ORF fw	5'-ATGACTGTTGATTTTCTCCGCA-3'
Afu5g12010 ORF rv	5'-TCACATGGTATCACTGCGCGCA-3'
Afu5g12010 5'ext fw	5'-GACACTCTAGAACACAAAGCTG-3'
Afu5g12010_hygromycin 3rv	5'-TCCTGTGTGAAATTGTTATCCGCTCAGCGATGATGTTTCATGTTTCATC-3'
Afu4g00720 pRS426 5fw	5'-GTAACGCCAGGGTTTTCCAGTCACGACGGATTGGACTATATAACTGGAGCTG-3'
Afu4g00720 pyrG 5rv	5'-CAGTGCCTCCTCTCAGACAGAATCTTACTGTCCGTCGAAGACCGC-3'
Afu4g00720 pyrG 3fw	5'-GAGCATTGTTTGAGGCGAATTCATGCTTGACGTACGGATCATG-3'

Afu4g00720 pRS426 3rv	5'-GCGGTAAACAATTTCTCTCTGGAAACAGCGAGCGCAGATGCAAGTAAGTGG-3'
Afu4g00720 5' UTR ext fw	5'-ATGTGCTCTGCCAGATCAGCC-3'
Afu6g06650 pRS426 5fw	5'-GTAACGCCAGGGTTTTCCAGTCACGACGGCAAGTAGACAGTCATGAAGATA-3'
Afu6g06650 pyrG 5rv	5'-CAGTGCCTCCTCTCAGACAGAATTTACGACATCGCTTTTGCCGTCC-3'
Afu6g06650 pyrG 3fw	5'-GAGCATTGTTTGAGGCGAATTCGTAATTATGGGCGGATACAATGG-3
Afu6g06650 pRS426 3rv	5'-GCGGTAAACAATTTCTCTCTGGAAACAGCCTTCGATATTCTTCGCGGTCGCC-3'
Afu6g06650 5' UTR ext fw	5'-CCGCGTCGAAGAGCAGCCCTCTAG-3'
Afu2g03890 pRS426 5fw	5'GTAACGCCAGGGTTTTCCAGTCACGACGGTTTTTCATTTGCTTGAAGTGACAG-3'
Afu2g03890 pyrG 5rv	5'-CAGTGCCTCCTCTCAGACAGAATTTGGTATCTGAGGTTAGTTTTAGAAT- 3'
Afu2g03890 pyrG 3fw	5'-GAGCATTGTTTGAGGCGAATTCAGCGAAGGCAGAGCAGGCCTC- 3'
Afu2g03890 pRS426 3rv	5'-GCGGTAAACAATTTCTCTCTGGAAACAGCAGCGTCAGAGTGTCAATGGTGG-3'
Afu2g03890 ORF fw	5'-GCAATACCATCTTGTCTACCTCAG-3'
Afu2g03890 ORF rv	5'-TAGGTGTTTTGACCGTCCAATAGAG-3'
Afu2g03890 5' UTR ext fw	5'-GGAAAGGGAGGTACGGAGTG-3'
Afu2g03890_hygromycin 3rv	5'-TCCTGTGTGAAATTGTTATCCGCTTTGACCGGAGAAAGGCACCTTCTC-3'
Afu2g03950 pRS426 5fw	5'-GTAACGCCAGGGTTTTCCAGTCACGACGGCCAGCAAATCCCAGCAACCGG-3'
Afu2g03950 pyrG 5rv	5'-GCCTCCTCTCAGACAGAATTAAGTCAAGGCGTGGATATCTGC- 3'
Afu2g03950 pyrG 3fw	5'-GCATTGTTTGAGGCGAATTCGCCTTTTACAACATGCTACCGCC- 3'
Afu2g03950 pRS426 3rv	5'-GCGGTAAACAATTTCTCTCTGGAAACAGCGGGTGTATCTGAAGATCTCACTGC-3'
Afu2g03950 ORF fw	5'-ATGGGTCAATCGCATTCCAAGGGC-3'
Afu2g03950 ORF rv	5'-TTAGCGACTGATGCCCCATGATGT-3'
Afu2g03950 5'ext fw	5'-GATCAACAACACTACTCAGCCC-3'
Afu2g03950_hygromycin 3rv	5'-TCCTGTGTGAAATTGTTATCCGCTCCCGATAACCGCCTAGAATGGATGG-3'
Afu1g06860 pRS426 5fw	5'GTAACGCCAGGGTTTTCCAGTCACGACGCCTGCGACCTGTCCCAGTTTCTTC-3'
Afu1g06860 pyrG 5rv	5'-CAGTGCCTCCTCTCAGACAGAATTGAACTTGCAGTAACGTTTCAGG- 3'
Afu1g06860 pyrG 3fw	5'-GAGCATTGTTTGAGGCGAATTCATCTTCTACATGGTCTTCACC- 3'
Afu1g06860 pRS426 3rv	5'-GCGGTAAACAATTTCTCTCTGGAAACAGCACTTGCTTCTTCCAAAAAGCAC-3'

Afu1g06860 ORF fw	5'-AGACTT TCCGTACTGCTCGTCGTG-3'
Afu1g06860 ORF rv	5'-AGCTTGGCTTTCTGATTTTCCTC-3'
Afu1g06860 5' UTR ext fw	5'-GCGATTGCCGAACGACGAGTG -3'
Afu1g06860_hygromycin 3rv	5'-TCCTGTGTGAAATTGTTATCCGCTGGCCACCCTGAGATGAACTCAGTG-3'
Afu1g09280 pRS426 5fw	5'-GTAACGCCAGGGTTTTCCAGTCACGACGTAGGACAAAGTAGATCGGATCG-3'
Afu1g09280 pyrG 5rv	5'-GCCTCCTCTCAGACAGAATCACGAATAGGCGGCAACCAG- 3'
Afu1g09280 pyrG 3fw	5'-GCATTGTTTGAGGCGAATTCGTTCTTCTCCTCGATCTGGTC-3'
Afu1g09280 pRS426 3rv	5'-GCGGTTAACAATTTCTCTCTGGAAACAGCCTTGTCTCGAACTACCAGTAG-3'
Afu1g09280 ORF Fw	5'-ATGCGGACCTGTGGGG-3'
Afu1g09280 ORF Rv	5'-CTACGAGGAGGCAGACTTCTCCG-3'
Afu1g09280_hygromycin 3rv	5'-TCCTGTGTGAAATTGTTATCCGCTCCCAGGAAAGCCCC-3'
Afu1g09460 pRS426 5fw	5'-GTAACGCCAGGGTTTTCCAGTCACGACGGCCTGATATTCCTGTTAGAACGG-3'
Afu1g09460 pyrG 5rv	5'-CAGTGCCTCCTCTCAGACAGAATCTTCCAACACGCCCCACGGGAG- 3'
Afu1g09460 pyrG 3fw	5'-GAGCATTGTTTGAGGCGAATTCGATGAAGAATTGGACACGGG- 3'
Afu1g09460 pRS426 3rv	5'-GCGGTTAACAATTTCTCTCTGGAAACAGCCCGCGTCAAGGCTGCCATTGCC-3'
Afu1g09460 ORF fw	5'-GAATATCCTATCTTCCCGAGTC-3'
Afu1g09460 ORF rv	5'-ATATTTCTCCTTACCTCTCCGCAG-3'
Afu1g09460_hygromycin 3rv	5'-TCCTGTGTGAAATTGTTATCCGCTACTTAAGTCCAGTCTTCTGCGC-3'
Afu5g13340 pRS426 5fw	5'-GTAACGCCAGGGTTTTCCAGTCACGACGCCAATTCTAAGCTCTCAGGTC-3'
Afu5g13340 pyrG 5rv	5'-CAGTGCCTCCTCTCAGACAGAATTCTGTTCAGCAACCCACCCTGG- 3'
Afu5g13340 pyrG 3fw	5'-GAGCATTGTTTGAGGCGAATTCTGGAAGTACATAAGTGCGATGC- 3'
Afu5g13340 pRS426 3rv	5'-GCGGTTAACAATTTCTCTCTGGAAACAGCGGGATATCTGACTCCAGCTGC-3'
Afu5g13340 ORF fw	5'-TCCTCGAGCCCACCAAAGATAA-3'
Afu5g13340 ORF rv	5'-TGGACTGACTCAACCTTATTCGG-3'
Afu5g13340 5' UTR ext fw	5'- GGACGAGATTGTTGAGTTCG-3'
Afu1g04790 pRS426 5fw	5'-GTAACGCCAGGGTTTTCCAGTCACGACGCGCAGACAAAGTACAGAGTAGGTGC-3'
Afu1g04790 pyrG 5rv	5'-CAGTGCCTCCTCTCAGACAGAATCACGGAATCAGCAATACCGG- 3'

Afu1g04790 pyrG 3fw	5'-GAGCATTGTTTGAGGCGAATTCTCTCTGTAACCTTAACTGTTCCCGG- 3'
Afu1g04790 pRS426 3rv	5'-GCGGTTAACAATTTCTCTCTGGAAACAGCGTCTTCTTTAGGTGTCGTCATCG-3'
Afu1g04790 5' UTR ext fw	5'-CCAGACATTGTCGACTATTGACCG-3'
Afu1g04790_hygromycin 3rv	5'- TCCTGTGTGAAATTGTTATCCGCTGCTGGTCCCACACGTCTATATG-3'
Afu1g13040 pRS426 5fw	5'GTAACGCCAGGGTTTTCCCAGTCACGACGTTAGCTATGAATTGACCCATATTTG-3'
Afu1g13040 pyrG 5rv	5'-CAGTGCCTCCTCTCAGACAGAATTATTGCGGAACAGTCTTTTCG-3'
Afu1g13040 pyrG 3fw	5'-GAGCATTGTTTGAGGCGAATTCTTAGCGTGAATGATCTGCCTTGC-3'
Afu1g13040 pRS426 3rv	5'-GCGGTTAACAATTTCTCTCTGGAAACAGCGCGTGCCGGCCATCTACGTCTG-3'
Afu1g13040 5' UTR ext fw	5'-GCCTGTCTATGTTTCGTCGACTTG-3'
Afu1g13040_hygromycin 3rv	5'-TCCTGTGTGAAATTGTTATCCGCTATGAGGAAGAAATGGGAAAGGAACG-3'
Afu2g01880 pRS426 5fw	5'GTAACGCCAGGGTTTTCCCAGTCACGACGGTATGGATTATCTGACAGCTGG-3'
Afu2g01880 pyrG 5rv	5'-CAGTGCCTCCTCTCAGACAGAATTGTACAGGTGTGCAGATTACTCG-3'
Afu2g01880 pyrG 3fw	5'-GAGCATTGTTTGAGGCGAATTCTTCTGATCTGAGGATGGCATAAC-3'
Afu2g01880 pRS426 3rv	5'-GCGGTTAACAATTTCTCTCTGGAAACAGCTTCTCAGCCGATCCGCTCAGTC-3'
Afu2g01880 ORF fw	5'-ATGGCTACGGTGTGGTACAGC-3'
Afu2g01880 ORF rv	5'-GCCCTGCTTCTTCTCCAAGTACTC-3'
Afu2g01880 5' UTR ext fw	5'-TTGACTGAGCAGCTTCGGCGC-3'
Afu2g01880_hygromycin 3rv	5'-TCCTGTGTGAAATTGTTATCCGCT-3'
Afu2g02760 pRS426 5fw	5'GTAACGCCAGGGTTTTCCCAGTCACGACGCGGGTCTCTACAGTTTTATGATG-3'
Afu2g02760 pyrG 5rv	5'-CAGTGCCTCCTCTCAGACAGAATCCAAAACATAAGCATCCCAAAG-3'
Afu2g02760 pyrG 3fw	5'-GAGCATTGTTTGAGGCGAATTCACACTGCCTTAATGGTTTTTAAGG- 3'
Afu2g02760 pRS426 3rv	5'-GCGGTTAACAATTTCTCTCTGGAAACAGCTTTCCCCTTGCTGACATGCGGG-3'
Afu2g02760 5' UTR ext fw	5'-CAGCTGGAAGATCACCTCAATG-3'
Afu2g02760_hygromycin 3rv	5'- TCCTGTGTGAAATTGTTATCCGCTCACGACATCAAAGCCTGCTTTGG-3'
Afu3g10970 pRS426 5fw	5'GTAACGCCAGGGTTTTCCCAGTCACGACGCCTACTTCTTCTTTGCAGGTCT-3'
Afu3g10970 pyrG 5rv	5'-CAGTGCCTCCTCTCAGACAGAATCTTGCCGACGCGATCCTTTGG-3'
Afu3g10970 pyrG 3fw	5'-GAGCATTGTTTGAGGCGAATTCCGAGCATGGATGAAGCACTCCGA-3'

Afu3g10970 pRS426 3rv	5'-GCGGTTAACAATTTCTCTCTGGAAACAGCGGTGCGGGCGGTTCCGGAGAGTG-3'
Afu3g10970 ORF fw	5'-AAA ATC GAT ACG AGT GTC CAG GC-3'
Afu3g10970 ORF rv	5'-CGG GCT CCA ACT CAG GTT TAT-3'
Afu3g10970 5'UTR ext fw	5'-GCTGGCCATCGAGACTTTGGTC-3'
Afu3g10970_hygromycin 3rv	5'-TCCTGTGTGAAATTGTTATCCGCT-3'
Afu3g12250 pRS426 5fw	5'GTAACGCCAGGGTTTTCCCAGTCACGACGGTCAACAAGCGAGTCATGCCC-3'
Afu3g12250 pyrG 5rv	5'-CAGTGCCTCCTCTCAGACAGAATTGTGCTCTTAAGATGGCAAAAAC-3'
Afu3g12250 pyrG 3fw	5'-GAGCATTGTTTGAGGCGAATTCCATTCCCTTCGACGTGCCGGC -3'
Afu3g12250 pRS426 3rv	5'-GCGGTTAACAATTTCTCTCTGGAAACAGCGCCCATCTTCGTCATCTTCGTC-3'
Afu3g12250 5'UTR ext fw	5'-GCTGATTGGGTATGTGATCACTCG-3'
Afu3g12250_hygromycin 3rv	5'-TCCTGTGTGAAATTGTTATCCGCTCTTTCAGAGTTGATTCCGGTGCC-3'
Afu5g11690 pRS426 5fw	5'GTAACGCCAGGGTTTTCCCAGTCACGACGGTTTGCTAAGAGACGCTCCTCC-3'
Afu5g11690 pyrG 5rv	5'-CAGTGCCTCCTCTCAGACAGAATATTCAATGACAGCTGTGCAGTTCG-3'
Afu5g11690 pyrG 3fw	5'-GAGCATTGTTTGAGGCGAATTCTTGCTTTCCTTGACTGCTTTGG -3'
Afu5g11690 pRS426 3rv	5'-GCGGTTAACAATTTCTCTCTGGAAACAGCACTGGATAAAGCTACAAGTGAAG-3'
Afu5g11690 ORF fw	5'-ATGGCTACGGTGTGGTACAGC-3'
Afu5g11690 ORF rv	5'-GAATTCCAAGCATCGGTCAATTCC-3'
Afu5g11690 5'UTR ext fw	5'-GATAATGGGAAGAGAATACAGG -3'
Afu4g07000 pRS426 5fw	5'GTAACGCCAGGGTTTTCCCAGTCACGACGTGCTCTCCGTTTTGAAGTGCTCACC-3'
Afu4g07000 pyrG 5rv	5'-CAGTGCCTCCTCTCAGACAGAATCGTAAGGTTTCTTTGAGACAGATG-3'
Afu4g07000 pyrG 3fw	5'-GAGCATTGTTTGAGGCGAATTCTGGATGTGGCACACTTTGATTGAC-3'
Afu4g07000 pRS426 3rv	5'-GCGGTTAACAATTTCTCTCTGGAAACAGCATTACAGAGGAGCCGAAGAGG-3'
Afu4g07000 5'UTR ext fw	5'-GATGCTGGCGTTGGGCTTGGACG-3'
Afu4g07000_hygromycin 3rv	5'-TCCTGTGTGAAATTGTTATCCGCT-3'
Afu4g04710 pRS426 5fw	5'-GTAACGCCAGGGTTTTCCCAGTCACGACGCTTGGCTGCCATTGTTAGAGTT-3'
Afu4g04710 pyrG 5rv	5'-CAGTGCCTCCTCTCAGACAGAATTGGATCCTTTTGTTCGAATCC-
Afu4g04710 pyrG 3fw	5'-GAGCATTGTTTGAGGCGAATTCCTCAAGCGCTTCCATTCATATAAC-3'

Afu4g04710 pRS426 3rv	5'-GCGGTAAACAATTTCTCTCTGGAAACAGCAGCGCGAAATGTTCAAAACAGAA-3'
Afu4g04710 5' UTR ext fw	5'-CGACTGATGATGCGCCCCGGG-3'
Afu1g03540 pRS426 5fw	5'-GTAACGCCAGGGTTTTCCAGTCACGACGCCTTTCTGACCGCCACATGTGC-3'
Afu1g03540 pyrG 5rv	5'-CAGTGCCTCCTCTCAGACAGAATGACAGATATAAATATACCTTGGGTCA-3'
Afu1g03540 pyrG 3fw	5'-GAGCATTGTTTGAGGCGAATTCTGTCTTCTATTGCACTTTTCTGTG-3'
Afu1g03540 pRS426 3rv	5'-GCGGTAAACAATTTCTCTCTGGAAACAGCTCCGATTCTGAACCAATCCTGCC-3'
Afu1g03540 5' UTR ext fw	5'-CGTGGTGTACTCGCCAAGTATGC-3'
Afu8g04580 pRS426 5fw	5'-GTAACGCCAGGGTTTTCCAGTCACGACGTGTCTTGAAGGGTGCATCATC-3'
Afu8g04580 pyrG 5rv	5'-GCCTCCTCTCAGACAGAATCGGCAAAGAGCAGGATCGTCACC-3'
Afu8g04580 pyrG 3fw	5'-GCATTGTTTGAGGCGAATTCACGTCTTGAGTTAATATGCGTTTTG-3'
Afu8g04580 pRS426 3rv	5'-GCGGTAAACAATTTCTCTCTGGAAACAGCCAAGATTCAGCGGAACCACAGG-3'
Afu8g04580 ORF fw	5'-GATCCTGCTGGCCTCCTCCCGT-3'
Afu8g04580 ORF rv	5'-GCAAGATTCATGACCTCGACCCTCTTC-3'
Afu8g04580_hygromycin 3rv	5'-TCCTGTGTGAAATTGTTATCCGCTGCTTCTCTGTGTCTTGGAGTGC-3'
Afu6g11470 pRS426 5fw	5'-GTAACGCCAGGGTTTTCCAGTCACGACGCGGGATCTTGGTCAATTGTACC-3'
Afu6g11470 pyrG 5rv	5'-GCCTCCTCTCAGACAGAATGGTGCGGGTGCGGACGAACG-3'
Afu6g11470 pyrG 3fw	5'-GCATTGTTTGAGGCGAATTCCTAGCATGCTTGATGGTCTG-3'
Afu6g11470 pRS426 3rv	5'-GCGGTAAACAATTTCTCTCTGGAAACAGCCCTGATTATTCCATTCCCGC-3'
Afu6g11470 ORF fw	5'-ATGGTGGACAACAAGATCCCTGAGCCGGG-3'
Afu6g11470 ORF rv	5'-GAGGTATTCTACAAGAAGTACTCGCTGCGGCCCG-3'
Afu6g11470 5' ext fw	5'-CCAGCCCTCCGACGGCCGCC-3'
Afu1g15800 pRS426 5fw	5'-GTAACGCCAGGGTTTTCCAGTCACGACGGTTGATCTTCTGCTGCGGC-3'
Afu1g15800 pyrG 5rv	5'-GCACTTAAGGACAAGAAGTTTCTTGCTGTTTGGATTACC-3'
Afu1g15800 pyrG 3fw	5'-CACTTGAAGGACAAGAAGTGCACGAGTCATTAGTACCCCC-3'
Afu1g15800 pRS426 3rv	5'-GCGGTAAACAATTTCTCTCTGGAAACAGCTTGGAGAAGTCGCCCTG-3'
Afu1g15800 ORF fw	5'-ATGGAATCCTGGGCCTGCATAC-3'
Afu1g15800 ORF rv	5'-TCATCGCCTGGAAGTGCAGCGG-3'

Afu1g15800 5'ext fw	5'-ACGTTGCCGGTGTGAACTTC-3'
Afu1g15800_hygromycin 3rv	5'-TCCTGTGTGAAATTGTTATCCGCTCGTACTTATCGCCAACTTTACATA-3'
Afu4g07080 pRS426 5'fw	5'-GTAACGCCAGGGTTTTCCAGTCACGACGGTCTTCAAGATGCCCAGTCATAC-3'
Afu4g07080 pyrG niiA 5'rv	5'-GGAGCTCGTATTTTTCCCTGCGCTGATGCCACGTTATAGCCGAT-3'
Afu4g07080 niiA orf fw	5'-GGCGTTGAGACTTCGTCACGATGGCTATGAACAAGATCCC-3'
Afu4g 07080 pRS426 orf rv	5'GCGGATAACAATTTACACAGGAAACAGCTGAATCATCTGGAGCTCTCAT-3'
Afu1g4950 pRS426 5'fw	5'-CAGGGTTTTCCAGTCACGACGTTCTGGCCTGCATCAGACTC-3'
Afu1g4950 pyrG niiA 5'rv	5'-GGAGCTCGTATTTTTCCCTGCTGCTGATTCTCGAGACAAAAA -3'
Afu1g4950 niiA orf fw	5'-CTGGCGTTGAGACTTCGTCACGATGGCTGATCAAGAAGTGGATC-3'
Afu1g4950 pRS426 orf rv	5'- CAATTTACACAGGAAACAGCTTACTTCTTCTTTGGTTTGC GCG-3'
Afu6g10830 pRS426 5'fw	5'-CAGGGTTTTCCAGTCACGACGTTTGTATCCTGCCGGCCTCG -3'
Afu6g10830 pyrG niiA 5'rv	5'- GGAGCTCGTATTTTTCCCTACAACGTGCAAATGTGGAGGAG -3'
Afu6g10830 niiA orf fw	5'-CTGGCGTTGAGACTTCGTCACGATGGAAAATAACATGGAAATTGATCC-3'
Afu6g10830 pRS426 orf rv	5'-CAATTTACACAGGAAACAGCTCACAGGAAGTAATCAGGTGTACG-3'
Afu3g11410 pRS426 5fw	5'-GTAACGCCAGGGTTTTCCAGTCACGACGGGCCAAGTAATGTGTCTCTGC-3'
Afu3g11410 pyrG niiA 5'rv	5'- GGAGCTCGTATTTTTCCCTGCTCTTGTATCGGGCAGGCGAGG-3'
Afu3g11410 niiA orf fw	5'-CTGGCGTTGAGACTTCGTCACGATGCTTCTTCGGTTACCGCCC-3'
Afu3g11410 pRS426 orf rv	5'-CAATTTACACAGGAAACAGCCTACCCGTTCTCAGCTGCAATC-3'
RT-actin-F	5'-CTGTGCAGATTGTCGCCAGGG-3'
RT-actin-R	5'-GTCCAGATTAAGCTGTCGCGC-3'
RT-catA-F	5'-CACCGACGATCCACTTCTCCAAGG-3'
RT-catA-R	5'-GACGGTTGATTGGCAGCTCTTCCC-3'
RT-dprA-F	5'-GTCCAACATGATACATAAGGTG-3'
RT-dprA-R	5'-GTCGGCGGCCCTAGAGTCATGG-3'
RT-dprB-F	5'-GTCTGGACTGATGCACAAGGTC-3'
RT-dprB-R	5'-GTGGTCTGGTGGGTGCCGTGG-3'
RT-2g03890-F	5'-GTTTCGCAATACCATCTTGTCTACC-3'

RT-2g03890-R	5'-CGATCCTCCTGAAAAGGTCGAGCC-3'
RT-3g10970-F	5'-GGCGCATCCCGCCATCAAATCGATACG-3'
RT-3g10970-R	5'-CGGAACCGGATACCACATCGAAACCACC-3'
RT-5g13340-F	5'-GTTCAAGTGGCTCCTCGAGCCCACCC-3'
RT-5g13340-R	5'-CGTCGGTCTTGACGGTCAGGGACGGG-3'
RT-5g13740-F	5'-GGGTCCTCTATCTAGTTCTGCATCGG-3'
RT-5g13740-R	5'-GTTGCGAAGGTCGAGATCCTAGGGCG-3'
RT-1g03540-F	5'-GCACTTCTCATTGCAATGAGCTCTATC-3'
RT-1g03540-R	5'-CGGACTTCCAGAGCTGTAAAGCAGCG-3'
RT-1g09280-F	5'-CAGCATGGAGGACGCCCATGCTGCGG-3'
RT-1g09280-R	5'-TATCTCCACCATGACCGTCATATACACC-3'
RT-1g09460-F	5'-GAACTCGTTGAATATCCTATCTTCCCG-3'
RT-1g09460-R	5'-CCGATTTCTCCCTGCGAACGCGACC-3'
RT-3g12250-F	5'-GTCTGGATATATGGGCGGACCCGGCC-3'
RT-3g12250-R	5'-GAGCTCCTAGGACATTTCTGGACAGG-3'
RT-4g04710-F	5'-GTCCACTACGGCTGACCAGAGACAATCACC-3'
RT-4g04710-R	5'-GGTATCTCGCAGTGATAATAAAGACGCTGG-3'
RT-1g06860-F	5'-GCGTCGCCTGGCCCTCCAGACTTTCCG-3'
RT-1g06860-R	5'-CCTAGAGGCTGATGATTATGGGAGAACG-3'
RT-1g13040-F	5'-GACTCCGGCTCGTTGCATTGAGGCTTCG-3'
RT-1g13040-R	5'-ATTGGCAGACGAGTCTTTGCACTTCC-3'
RT-5g11690-F	5'-GGCTACGGTGTGGTACAGCAAACGC-3'
RT-5g11690-R	5'-GGTAAATGTTTGGTGGCACCAGGCGACGGG-3'
RT-4g07000-F	5'-GGCTAAACCACTTAGTGAGAAGTCTTC-3'
RT-4g07000-R	5'-GCAAAGGACGATAACCAAGGGAAGAAGAC-3'
sakA-U-F	5'-GGTGAAGCTAACGTAGGTTTGAATCAGG-3'
sakA-D-R	5'-GTCGAGCTGTCGTGAACAGGCGATTCC-3'