

**Table S2.** Oligonucleotide primers used.

Number	Primer name - restriction site(s)	Primer sequence*
111	Afrib-1T	5'-GTGCGATTACATGAAGGTCC-3'
113	Afrib-2T	5'-TGCTCGTCACACTCATGTAACG-3'
545	AN9425-3' F	5'-AGCCTCGCGACGGATATTAAG-3'
546	AN9425-3' Rev - <i>Hae</i> II	5'-ACTAT <u>GGCGCT</u> GTTGGCAGAC-3'
551	AN8209-wA 5' F - <i>Bam</i> HI	5'-ggttaggatccGTGTGATCATCTGAGCTCTGG-3'
552	AN8209-wA 5' Rev - <i>Eco</i> RI	5'-aagggaattcgatATCAGGAGAAGGAGAGTCAAGTCC-3'
553	AN8209-wA 3' F - <i>Eco</i> RI	5'-aagggaattcTTGTGAGCGCCGGTTGGTCTG-3'
554	AN8209-wA 3' Rev - <i>Sal</i> I, <i>Not</i> I	5'-cacaagtgcagcgcgcgCAATGCTGCTGCGCACTCTGG-3'
573	AN8423-5' F - <i>Kpn</i> I, <i>Spe</i> I	5'-gaagggtaccactagtCAGCCGAACCTCTCAAACCTTC-3'
574	AN8423-5' Rev - <i>Sal</i> I	5'-acggaggtcgacGTGCCCTTAATTGTGCTACTG-3'
575	AN8423-3' F - <i>Sal</i> I	5'-acggaggtcgacGTGTTGCCTACTCCTGAAATG-3'
576	AN8423-3' Rev - <i>Spe</i> I	5'-tacaggactagtGCATCATTGGTCTAGTGGTAG-3'
641	AN8423 5' outer	5'-ATTCAGTGTGTTGGCAGCCGTGG-3'
642	Tr_pyr4 3' out	5'-ATTTGCTTTTGC GCGTGGAGG-3'
643	Tr_pyr4 5' out	5'-TCTGCTGTGCGAATGACGTTGG-3'
644	AN8423 3' retuo	5'-TGAAGCTACAGAGTTACGACC-3'
741	wA 5 outer	5'-TGAAGCTACAGAGTTACGACC-3'
742	wA 3 retuo	5'-ACAACAGAGAATGCAGCACTGG-3'

\* Restriction enzyme recognition sites are specified and underlined; capital letters correspond to gene-specific sequences.