

**Supplemental Table S2:** Primers used for real-time PCR and expected size for amplified fragments. The accession number from public database is given, and if not available, the transcript number from the *Vitis* gene model (<http://www.genoscope.cns.fr/externe/GenomeBrowser/Vitis/>, Jaillon et al., 2007).

Gene name	Accession number or genome reference	Sequences of forward (F) and reverse (R) primers	Expected size (bp)
VvMybPA1	CAJ90831	F- TTGACGGGGTTGACTTCTTC R- GAGTAGTGATTCCGGCGAAGG	188
VvMybPA2	EU919682	F- GACATTGGCGACCTCCTTAC R- CGAGAAAATCGGAACAAGGA	121
LAR1	AJ865336	F- CACATGCATGCGATTAGTCC R- ACGAATTCGCCCATGTTAC	102
LAR2	AJ865334	F- CTACGGTGATGGCTCTGTCA R- GCAGCGGCTAGTAGGTCATC	222
ANR	CAD91911	F-GCTTGTGAAAGAGGGGTTCA R-TGCTCCTTTTAGCCAAGACA	132
DFR	X75964	F-GAAACCTGTAGATGGCAGGA R-GGCCAAATCAAACCTACCAGA	114
LDOX	X75966	F-ACCTTCATCCTCCACAACAT R-AGTAGAGCCTCCTGGGTCTT	340
Glucosyl transferase	GSVIVT00013771001	F-TTGAAGGGACACGTGTGAAG R-GAAACAAACAGGTTGCGTGA	172
Glucosyl transferase	GSVIVT00036670001	F-TGAGTATGGTGCTGGTTTGC R-ACGCTACATCGTGACTCCTG	121
Glucosyl transferase	GSVIVT00036656001	F-ATTTTGATGTAGCGTGAAATAAG R-TGGGTGACAAAACCTAGGGAAA	136