

Table 4 Genes selected for qRT-PCR verification

Unigene	W3	R3	Log2 fold change (R3/W3)	Up/down regulation	Annotation
Unigene0017646	2.57	4.23	0.73	Up	Tryptophan/tyrosine permease isoform 1
Unigene0051695	0.001	82.34	16.33	Up	Full=4,5-DOPA dioxygenase extradio
Unigene0003029	2.22	21.50	3.28	Up	Glucosyltransferase
Unigene0004253	60.45	216.99	1.84	Up	Cytochrome P450 CYP72A219-like
Unigene0006446	0.61	555.88	9.83	Up	Cytochrome P450 76AD1-like protein, partial
Unigene0023505	28.53	63.80	1.16	Up	Prephenate aminotransferase
Unigene0028648	9.86	63.01	2.68	Up	Phenylalanine-4-hydroxylase
Unigene0039772	13.06	112.66	3.11	Up	Arogenate dehydrogenase 2, chloroplastic-like
Unigene0025394	4.57	8.84	0.96	Up	Probable chalcone--flavonone isomerase 3
Unigene0003132	16.67	15.60	-0.09	Down	Cyclo-DOPA 5-O-glucosyltransferase
Unigene0012439	6.99	5.14	-0.43	Down	Cyclo-DOPA 5-O-glucosyltransferase
Unigene0047695	5.39	5.27	-0.03	Down	Aromatic-L-amino-acid decarboxylase-like
Unigene0037073	11.75	6.03	-0.97	Down	Glucosyltransferase
Unigene0019344	18.20	17.87	-0.03	Down	Flavanone-3-hydroxylase
Unigene0031027	16.25	3.40	-2.26	Down	Glucosyltransferase
Unigene0015977	15.17	7.42	-1.04	Down	Anthocyanidin 3-O-glucosyltransferase 7-like
Unigene0042389	3.835 4	0.697 9	-2.46	Down	Leucoanthocyanidin reductase-like
Unigene0048533	6.963 1	0.001	-12.77	Down	Ethylene-responsive transcription factor ERF061