

**Table S2.** Primers list of genes associated with glucosinolate, camalexin biosynthesis or signalling pathways.

Gene	AGI no.	Primers
BCAT4	At3g19710	(f) 5'-TGTACTGGCACTGCTTCCA (r) 5'-TCAATCTCCACCGTCCATC
MAM1	At5g23010	(f) 5'-AGAATCACGGATGCTGATTTG (r) 5'-GGAAATTGATATTACTGTGGTACAC
MAM3	At5g23020	(f) 5'-AATCACAGACGCTGATCTGAA (r) 5'-TGACTTAATACCATCGTAGTACCA
CYP79F1	At1g16410	(f) 5'-AGTTCCGTCCTTAAGAAGAAGA (r) 5'-TTATTATGAAGTGACGGAGATTC
CYP79F2	At1g16400	(f) 5'-GCTAAGCCTCTTCTTTTGTCTGT (r) 5'-TCATGATTAAGTTACGGAGATACA
CYP83A1	At4g13770	(f) 5'-GCGAACCTTCTCCTCAGC (r) 5'-GAGAGACGATTGCCATTTAAG
UGT74C1	At2g31790	(f) 5'-AGGAGGTAGTTCCGACAAGA (r) 5'-TCATATATGGATTTGTTGGGAG
CYP79B2	At4g39950	(f) 5'-CACTTGGAAGCTACCTGAGA (r) 5'-GAACCAAGAAACCAACACACA
CYP79B3	At2g22330	(f) 5'-TTAAGTGGAACTAGCAGGAAG (r) 5'-CAAAAGGACCAAAACCGAAC
CYP83B1	At4g31500	(f) 5'-TGGGATTGCAATGGTAGAGA (r) 5'-CATTGGTCACGCCATATCTAC
UGT74B1	At1g24100	(f) 5'-GAAAGGAGTGATGGAAGGAG (r) 5'-TTGAATCACAGTCATCGTGGT
SUR1 (C-S-Lyase)	At2g20610	(f) 5'-GTTGGAGCTGTCATTGATGGA (r) 5'-GCACACACATCCTCTTCTGT
TGG1	AT5G26000	(f) 5'-GCTCCTTATCTATGGAGCAAG (r) 5'-ACGTTACCGACGAAGACTCT
CaEF	At2g33380	(f) 5'-GTAACCGAGGGAAATCGAATG (r) 5'-TCCCCAAACTGAATAACAAGAC
BGL1	At1g52400	(f) 5'-CGAGGTTTCGGACTTTACTACA (r) 5'-CGAACAACTCACAAGTCCTTC
PR1	At2g14610	(f) 5'-AGTCAGTGAGACTCGGATGTG (r) 5'-CATCCTGCATATGATGCTCCT
PAD3 (CYP71B15)	AT3G26830	(f) 5'-AGGAGGAAGCCAAAGAGATC (r) 5'-AGCTGACTCCAACCTGGATCA
MYB28	At5g61420	(f) 5'-GACTTCTTGGGAAACATCGG (r) 5'-CACTGAGCAGATTCGCAATG
MYB29	At5g07690	(f) 5'-AATACTGGAGGAGGATATAACC (r) 5'-GTTCTTGTCGTCATAATCTTGG
MYB51	At1g18570	(f) 5'-AAGTGTTCGTTGACTCTGAA (r) 5'-AAATTATCGCAGTACATTAGAGGA
MYB34	AT5G60890	(f) 5'-CTTCGGCGACGGTGGAGTTTCC (r) 5'-ATGCAATCACTCACAAACCGA
MYB76	AT5G07700	(f) 5'-TCGGTACGAGCATTGATCTC (r) 5'-TGGGATGGTCAAGAAGATAAG
MYB122	AT1G74080	(f) 5'-CGAGACGACGTCGTTTAATG (r) 5'-CGGTCGAAACACACTACACA