Table S1. List of oligonucleotides used in this study for qRT-PCR analysis.

Gene name and function	Gene name abbreviation	Organism	NCBI Ref. Seq.	Forward (5' ---> 3')	Reverse (5' ---> 3')	product length (bp)
Phenylalanine ammonia lyase	*PAL*	*L. sativa*	AF299330.1	CGCTTACAGTTTCTCAGGTG	GCTCTCCATAACCCAATCAC	122
Chalcone synthase	*CHS*	*L. sativa*	AB525909.1	TAACGACACCCACCTTGA	CAGACACCATCTCGAACAAC	112
Flavonol synthase	*FLS*	*L. sativa*	AB359897.1	CCCAAATGAAGTTCAAGGTCTAC	GCTCAATATCTCCATTTGGTCAC	112
4-Coumaric acid 3′-hydroxylase	*4C3H*	*Coffea arabica*	JQ946543.1	CCGACTTCTCAAACCTCCCA	GTAACCGCCAACTTTGACAT	129
Dihydroflavonol 4-reductase	*DFR*	*L. sativa*	XM023893302.1	TTGGTGTTTACATCCTCTGC	GTCCAAATCGCTCCAATGA	90
Catalase	*CAT*	*L. sativa*	XM023874935.1	CATGCTGAACAGTACCCTATT	GCAAAGGATCTGTATCTCTCTC	113
Glutathione-S-transferase	*GST*	*L. sativa*	XM023891169.1	CATCGAATCAAGGGCGATTA	ACTCCACTTCCATCCACA	119
Actin	*actin*	*L. sativa*	AY260165.1	AGGTGTCATGGTGGCATGGGA	TGTCTCAGGGGCGACACG	106

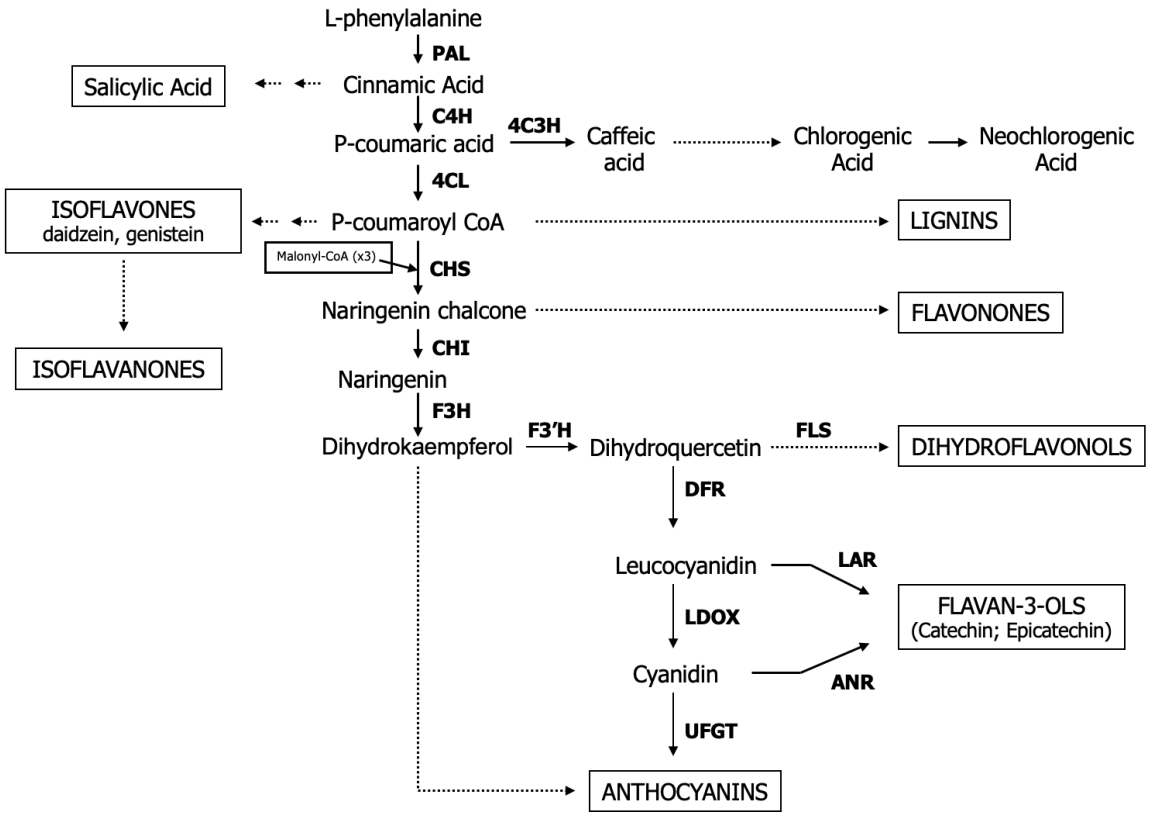

Figure S1. Phenylpropanoid biosynthetic pathway involving anthocyanins and flavonoids. In bold the biosynthetic enzymes. PAL, phenylalanine ammonia lyase; C4H, cinnamic acid 4-hydroxylase; 4C3H, 4-coumaric acid 3-hydroxylase; 4CL, 4-coumarate-CoA ligase; CHS, chalcone synthase; CHI, chalcone isomerase; F3H, flavanone 3-hydroxylase; F3'H, flavonoid 3'-hydroxylase; FLS, flavonol synthase; DFR, dihydroflavonol 4-reductase; LAR, leucoanthocyanidin reductase; LDOX, leucoanthocyanidin dioxygenase; ANR, anthocyanidin reductase; UFGT, UDP-glucose flavonoid 3-O-glucosyltransferase.