

Table S3. Enriched KEGG pathways of secondary metabolism among down-regulated genes (F2 vs. F1).

KEGG_m ap	Description	DiffRatio	p-value	All_index
ko00960	Tropane, piperidine and pyridine alkaloid biosynthesis	4/800 0.5%	0.369333 752	LOC133724817; LOC133712673; novel.1619; LOC133731807
ko00940	Phenylpropanoid biosynthesis	30/800 3.75%	0.010366 824	LOC133722009; LOC133714281; LOC133729901; LOC133724507; LOC133708312; LOC133727424; LOC133721247; LOC133738689; LOC133709769; LOC133724906; LOC133708247; LOC133714987; LOC133740781; LOC133743476; LOC133717075; LOC133723746; LOC133739957; LOC133734150; LOC133718775; LOC133734525; LOC133715552; LOC133709663; LOC133710848; LOC133708820; LOC133733552; LOC133722138; LOC133718858; LOC133742236; LOC133710376; LOC133706979
ko00943	Isoflavonoid biosynthesis	1/800 0.12%	0.671245 678	LOC133740171
ko00950	Isoquinoline alkaloid biosynthesis	2/800 0.25%	0.709513 496	LOC133724817; LOC133733354
ko00942	Anthocyanin biosynthesis	1/800 0.12%	0.618646 747	LOC133738930
ko00232	Caffeine metabolism	1/800 0.12%	0.256584 811	LOC133717463
ko00966	Glucosinolate biosynthesis	1/800 0.12%	0.892087 966	LOC133717386
ko00941	Flavonoid biosynthesis	16/800 2%	0.062942 559	novel.1502; LOC133708312; LOC133732554; LOC133709769; LOC133707074; novel.1363; LOC133729813; LOC133732156; LOC133743218; LOC133709547; LOC133740542; LOC133734150; LOC133709663; LOC133708820; LOC133718858; LOC133742236
ko00944	Flavone and flavonol biosynthesis	3/800 0.38%	0.461159 069	novel.1502; novel.1363; LOC133729540
ko00999	Biosynthesis of various plant secondary metabolites	22/800 2.75%	0.002067 86	LOC133731617; LOC133726722; LOC133723832; LOC133728999; LOC133707051; LOC133720890; LOC133736351; LOC133726720; LOC13372672 5; LOC133729003; LOC133708757; LOC133710207; LOC133721125; LOC133730187; LOC133739794; LOC133725656; LOC133739933; LOC133724 279; LOC133734099; novel.1443; LOC133739602; LOC133708597
ko00945	Stilbenoid, diarylheptanoid and gingerol biosynthesis	7/800 0.88%	0.287539 075	LOC133708312; LOC133709769; LOC133734150; LOC133709663; LOC133708820; LOC133718858; LOC133742236+B12E9B11:E12