Table S2. Enriched KEGG pathways of secondary metabolism among up-regulated genes (F2 vs. F1).

KEGG_map	KEGG_level_2	DiffRatio	*p*-value	All_index
ko00960	Tropane, piperidine and pyridine alkaloid biosynthesis	8/580 1.38%	0.001431032	LOC133722651; LOC133723444; LOC133718712; LOC133723940; novel.1618; novel.1565; LOC133718713; LOC133724818
ko00940	Phenylpropanoid biosynthesis	24/580 4.14%	0.013031891	LOC133729088; LOC133716005; LOC133727004; LOC133732718; LOC133740693; LOC133707414; LOC133746232; LOC133710668; LOC133743613; LOC133743605; LOC133741764; LOC133745885; LOC133745208; LOC133717695; LOC133724508; LOC133710373; novel.1671; LOC133742089; LOC133710435; LOC133715710; LOC133727291; LOC133722625; LOC133717701; LOC133712537
ko00943	Isoflavonoid biosynthesis	3/580 0.52%	0.039472159	LOC133724502;LOC133724501;LOC133739405
ko00950	Isoquinoline alkaloid biosynthesis	4/580 0.69%	0.096961944	novel.1565;LOC133729677;LOC133729672;LOC133724818
ko00942	Anthocyanin biosynthesis	2/580 0.34%	0.143349207	LOC133713628;LOC133710265
ko00232	Caffeine metabolism	1/580 0.17%	0.191640041	LOC133733483
ko00966	Glucosinolate biosynthesis	3/580 0.52%	0.201431943	LOC133723985;LOC133709827;LOC133735231
ko00941	Flavonoid biosynthesis	11/580 1.90%	0.237393761	LOC133713521; LOC133718190; LOC133717541; LOC133745281; LOC133718712; LOC133710373; LOC133718713; LOC133739846; LOC133706492; LOC133722625; LOC133712537
ko00944	Flavone and flavonol biosynthesis	3/580 0.52%	0.271245073	LOC133727523;LOC133723109;LOC133727529
ko00999	Biosynthesis of various plant secondary metabolites	10/580 1.72%	0.309464151	LOC133725587; LOC133741908; LOC133743391; LOC133742970; LOC133741815; LOC133726536; LOC133706931; LOC133740537; LOC133722000; LOC133732698
ko00945	Stilbenoid, diarylheptanoid and gingerol biosynthesis	3/580 0.52%	0.90632311	LOC133710373;LOC133722625;LOC133712537