

Supplementary Table S5 List of differentially expressed genes (DEGs) involved in sphingolipid biosynthesis.

Gene_id	Gene_name	Gene_description	6h	12h	24h
Glyma.14G095400	Gm8DES	Fatty acid/sphingolipid desaturase	no down	yes down	yes down
Glyma.18G120400	Gm8DES	Fatty acid/sphingolipid desaturase	yes down	yes down	yes down
Glyma.17G228400	Gm8DES	Fatty acid/sphingolipid desaturase	yes down	yes down	yes down
Glyma.01G046000	Gm8DES	Fatty acid/sphingolipid desaturase	yes down	yes down	yes down
Glyma.08G299900	Gm8DES	Fatty acid/sphingolipid desaturase	yes down	yes down	no down
Glyma.02G106300	Gm8DES	Fatty acid/sphingolipid desaturase	yes down	yes down	yes down
Glyma.18G284300	ATDPL1,DPL1	dihydrosphingosine phosphate lyase	no up	yes up	no up
Glyma.02G097200	ATDPL1,DPL1	dihydrosphingosine phosphate lyase	no down	no down	yes down
Glyma.02G106700	GmSBH2	sphingoid base hydroxylase 2	no down	yes down	no up
Glyma.10G219700	GmSBH2	sphingoid base hydroxylase 2	no down	yes down	yes down
Glyma.20G172000	GmSBH2	sphingoid base hydroxylase 2	yes down	yes down	yes down
Glyma.01G046500	GmSBH2	sphingoid base hydroxylase 2	no down	yes down	no up
Glyma.08G039500	Serine incorporator	Serinc-domain containing serine and sphingolipid biosynthesis protein	yes down	yes down	yes down
Glyma.15G103300	Serine incorporator	Serinc-domain containing serine and sphingolipid biosynthesis protein	no up	yes up	yes up
Glyma.08G353600	Serine incorporator	Serinc-domain containing serine and sphingolipid biosynthesis protein	no up	no up	yes up
Glyma.05G232100	Serine incorporator	Serinc-domain containing serine and sphingolipid biosynthesis protein	no down	yes down	yes down
Glyma.09G188500	Serine incorporator	Serinc-domain containing serine and sphingolipid biosynthesis protein	no up	no up	yes down
Glyma.13G209400	Serine incorporator	Serinc-domain containing serine and sphingolipid biosynthesis protein	yes up	yes up	yes up
Glyma.20G167800	Sphingomyelin synthase	Sphingomyelin synthetase family protein	no down	yes down	yes down
Glyma.13G246000	GmSPHK1	sphingosine kinase 1	no down	yes down	yes down
Glyma.08G058400	GmSPHK1	sphingosine kinase 1	no up	no up	yes up
Glyma.15G067800	GmSPHK1	sphingosine kinase 1	no up	no down	yes down

no, not significantly changed; yes, significantly changed; up, up-regulated; down, down-regulated.