

Table S7: KEGG pathways of differentially expressed genes in Br19-vs-Br20.

Pathway_KEGG_L	KEGG_L	Pathway_P.value	Q.value	gene_id	gene_name	fc
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc10g0	Solyc10g0	0.03
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc09g0	Solyc09g0	0.01
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc02g0	Solyc02g0	0.23
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc02g0	Solyc02g0	0.02
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc05g0	Solyc05g0	0.01
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc11g0	AOS2	0.12
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc01g0	Solyc01g0	0.27
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc11g0	Solyc11g0	0.11
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc09g0	Solyc09g0	0.27
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc06g0	Solyc06g0	2.65
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc01g1	Solyc01g1	2.32
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc07g0	Solyc07g0	0.47
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc07g0	NCED1	0.30
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc10g0	Solyc10g0	0.06
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc07g0	Solyc07g0	0.16
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc01g0	Solyc01g0	0.31
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc12g0	Solyc12g0	0.34
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc12g0	Solyc12g0	0.40
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc05g0	Solyc05g0	0.22
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc02g0	CHI3	0.24
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc05g0	Solyc05g0	2.01
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc03g0	Solyc03g0	0.11
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc05g0	Solyc05g0	2.02
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc08g0	Solyc08g0	0.21
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc03g0	Solyc03g0	0.18
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc04g0	Solyc04g0	0.48
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc03g0	RBCS-2A	0.34
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc07g0	Solyc07g0	0.49
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc03g0	Solyc03g0	0.15
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc05g0	Solyc05g0	0.37
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc05g0	Solyc05g0	0.45
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc04g0	Solyc04g0	2.15
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc01g0	Solyc01g0	0.29
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc01g1	Solyc01g1	0.28
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc08g0	Solyc08g0	0.34
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc02g0	Solyc02g0	0.36
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc03g1	Solyc03g1	0.41
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc05g0	Solyc05g0	0.37
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc07g0	Solyc07g0	2.29
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc09g0	Solyc09g0	0.40
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc04g0	Solyc04g0	0.41
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc11g0	Solyc11g0	0.49
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc06g0	psaD	0.43
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc01g0	Solyc01g0	0.41
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc06g0	Solyc06g0	0.22
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc02g0	Solyc02g0	0.36
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc01g1	Solyc01g1	0.31
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc05g0	Solyc05g0	0.15
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc05g0	Solyc05g0	0.44

sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	0.29
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc11g0 Solyc11g0	6.34
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc09g0 Solyc09g0	0.44
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc11g0 Solyc11g0	0.33
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc10g0 Solyc10g0	0.49
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc05g0 Solyc05g0	0.26
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc03g1 Solyc03g1	0.46
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc10g0 CHI9	0.27
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc05g0 Solyc05g0	0.26
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc07g0 OPR3	0.47
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	0.49
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc12g0 Solyc12g0	0.43
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	0.45
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	5.84
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc08g0 Solyc08g0	0.11
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	0.18
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	2.01
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	2.89
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc08g0 Solyc08g0	0.47
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc11g0 Solyc11g0	2.55
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	0.36
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc12g0 Solyc12g0	2112.44
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	0.42
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	0.24
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	0.46
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc08g0 Solyc08g0	0.44
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc03g0 Solyc03g0	0.00
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc07g0 Solyc07g0	0.45
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	2.13
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc09g0 Solyc09g0	0.34
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g1 Solyc01g1	2.42
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	4.89
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc12g0 Solyc12g0	0.30
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc08g0 Solyc08g0	0.00
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	0.39
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc09g0 Solyc09g0	8.52
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	0.30
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc09g0 Solyc09g0	2.43
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc07g0 Solyc07g0	0.34
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc05g0 Solyc05g0	0.00
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc12g0 Solyc12g0	0.13
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g1 Solyc01g1	2.95
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc11g0 Solyc11g0	0.38
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc03g1 Solyc03g1	0.34
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc09g0 TD2	4.53
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc08g0 Solyc08g0	799.01
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc03g0 Solyc03g0	2.14
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	9.98
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g1 CAP10A	0.35
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	2.29
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	2.28

sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc09g0 Solyc09g0	3.02
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc01g1 Solyc01g1	0.00
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc04g0 Solyc04g0	0.27
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc07g0 Solyc07g0	0.37
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc03g0 Solyc03g0	0.04
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	0.10
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc11g0 Solyc11g0	0.47
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc10g0 Solyc10g0	0.28
sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	0.00
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.00	Solyc09g0 Solyc09g0	0.01
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.00	Solyc02g0 Solyc02g0	0.02
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.00	Solyc05g0 Solyc05g0	0.01
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.00	Solyc11g0 Solyc11g0	0.11
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.00	Solyc06g0 Solyc06g0	2.65
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.00	Solyc05g0 Solyc05g0	0.22
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.00	Solyc01g0 Solyc01g0	2.13
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.00	Solyc01g0 Solyc01g0	2.28
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.00	Solyc01g1 Solyc01g1	0.00
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.00	Solyc04g0 Solyc04g0	0.27
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.00	Solyc03g0 Solyc03g0	0.04
sly00195	Metabolism Energy me Photosynth	0.00	0.00	Solyc01g1 Solyc01g1	0.46
sly00195	Metabolism Energy me Photosynth	0.00	0.00	Solyc02g0 PSBO	0.48
sly00195	Metabolism Energy me Photosynth	0.00	0.00	Solyc02g0 Solyc02g0	0.35
sly00195	Metabolism Energy me Photosynth	0.00	0.00	Solyc06g0 psaD	0.43
sly00195	Metabolism Energy me Photosynth	0.00	0.00	Solyc06g0 Solyc06g0	0.20
sly00195	Metabolism Energy me Photosynth	0.00	0.00	Solyc06g0 Solyc06g0	0.24
sly00195	Metabolism Energy me Photosynth	0.00	0.00	Solyc08g0 Solyc08g0	0.21
sly00195	Metabolism Energy me Photosynth	0.00	0.00	Solyc06g0 Solyc06g0	0.31
sly00195	Metabolism Energy me Photosynth	0.00	0.00	Solyc06g0 Solyc06g0	0.06
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc10g0 Solyc10g0	0.03
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc09g0 Solyc09g0	0.01
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc07g0 Solyc07g0	0.17
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc02g0 Solyc02g0	0.23
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc02g0 Solyc02g0	0.02
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc05g0 Solyc05g0	0.01
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc11g0 AOS2	0.12
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc11g0 Solyc11g0	0.11
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc06g0 Solyc06g0	2.65
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc07g0 NCED1	0.30
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc07g0 Solyc07g0	0.16
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc12g0 Solyc12g0	0.40
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc05g0 Solyc05g0	0.22
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc05g0 Solyc05g0	2.01
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc03g0 Solyc03g0	0.11
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc05g0 Solyc05g0	2.02
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc08g0 Solyc08g0	0.21
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc04g0 Solyc04g0	0.48
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc03g0 RBCS-2A	0.34
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc07g0 Solyc07g0	0.49
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc05g0 Solyc05g0	0.37
sly01110	Metabolism Global and Biosynthesis	0.00	0.01	Solyc05g0 Solyc05g0	0.45

sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc04g0 Solyc04g0	2.15
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc11g0 Solyc11g0	0.16
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc01g1 Solyc01g1	0.28
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc08g0 Solyc08g0	0.34
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc02g0 Solyc02g0	0.36
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc09g0 Solyc09g0	0.40
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc04g0 Solyc04g0	0.41
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc01g0 Solyc01g0	0.41
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc02g0 Solyc02g0	0.36
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc01g1 Solyc01g1	0.31
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc05g0 Solyc05g0	0.44
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc01g0 Solyc01g0	0.29
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc11g0 Solyc11g0	6.34
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc11g0 Solyc11g0	0.33
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc03g1 Solyc03g1	0.46
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc07g0 OPR3	0.47
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc12g0 Solyc12g0	0.43
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc02g0 Solyc02g0	5.84
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc08g0 Solyc08g0	0.47
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc02g0 Solyc02g0	0.36
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc01g0 Solyc01g0	0.42
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc08g0 Solyc08g0	0.44
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc03g0 Solyc03g0	0.00
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc01g0 Solyc01g0	2.13
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc12g0 Solyc12g0	0.30
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc06g0 Solyc06g0	0.39
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc09g0 Solyc09g0	8.52
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc06g0 Solyc06g0	0.30
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc09g0 Solyc09g0	2.43
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc01g1 Solyc01g1	2.95
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc11g0 Solyc11g0	0.38
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc09g0 TD2	4.53
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc03g0 Solyc03g0	2.14
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc06g0 Solyc06g0	9.98
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc02g0 Solyc02g0	2.29
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc01g0 Solyc01g0	2.28
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc09g0 Solyc09g0	3.02
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc01g1 Solyc01g1	0.00
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc04g0 Solyc04g0	0.27
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc03g0 Solyc03g0	0.04
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc02g0 Solyc02g0	0.10
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc10g0 Solyc10g0	0.28
sly01110	Metabolism Global and Biosynthesis	0.00	0.01 Solyc06g0 Solyc06g0	0.00
sly00940	Metabolism Biosynthesis Phenylpropanoid	0.00	0.01 Solyc06g0 Solyc06g0	2.65
sly00940	Metabolism Biosynthesis Phenylpropanoid	0.00	0.01 Solyc05g0 Solyc05g0	0.22
sly00940	Metabolism Biosynthesis Phenylpropanoid	0.00	0.01 Solyc03g0 Solyc03g0	0.11
sly00940	Metabolism Biosynthesis Phenylpropanoid	0.00	0.01 Solyc02g0 Solyc02g0	5.84
sly00940	Metabolism Biosynthesis Phenylpropanoid	0.00	0.01 Solyc01g0 Solyc01g0	2.13
sly00940	Metabolism Biosynthesis Phenylpropanoid	0.00	0.01 Solyc09g0 Solyc09g0	2.43
sly00940	Metabolism Biosynthesis Phenylpropanoid	0.00	0.01 Solyc01g1 Solyc01g1	2.95
sly00940	Metabolism Biosynthesis Phenylpropanoid	0.00	0.01 Solyc03g0 Solyc03g0	2.14

sly00940	Metabolisr Biosynthes Phenylpro	0.00	0.01 Solyc06g0 Solyc06g0	9.98
sly00940	Metabolisr Biosynthes Phenylpro	0.00	0.01 Solyc02g0 Solyc02g0	2.29
sly00940	Metabolisr Biosynthes Phenylpro	0.00	0.01 Solyc01g0 Solyc01g0	2.28
sly00940	Metabolisr Biosynthes Phenylpro	0.00	0.01 Solyc09g0 Solyc09g0	3.02
sly00940	Metabolisr Biosynthes Phenylpro	0.00	0.01 Solyc01g1 Solyc01g1	0.00
sly00940	Metabolisr Biosynthes Phenylpro	0.00	0.01 Solyc04g0 Solyc04g0	0.27
sly00940	Metabolisr Biosynthes Phenylpro	0.00	0.01 Solyc03g0 Solyc03g0	0.04
sly00940	Metabolisr Biosynthes Phenylpro	0.00	0.01 Solyc02g0 Solyc02g0	0.10
sly00196	Metabolisr Energy me Photosynt	0.00	0.01 Solyc03g0 Solyc03g0	0.18
sly00196	Metabolisr Energy me Photosynt	0.00	0.01 Solyc05g0 Solyc05g0	0.15
sly00196	Metabolisr Energy me Photosynt	0.00	0.01 Solyc10g0 Solyc10g0	0.49
sly00196	Metabolisr Energy me Photosynt	0.00	0.01 Solyc05g0 Solyc05g0	0.00
sly00196	Metabolisr Energy me Photosynt	0.00	0.01 Solyc01g1 CAP10A	0.35
sly00071	Metabolisr Lipid meta Fatty acid	0.00	0.01 Solyc08g0 Solyc08g0	0.21
sly00071	Metabolisr Lipid meta Fatty acid	0.00	0.01 Solyc04g0 Solyc04g0	0.48
sly00071	Metabolisr Lipid meta Fatty acid	0.00	0.01 Solyc01g0 Solyc01g0	0.41
sly00071	Metabolisr Lipid meta Fatty acid	0.00	0.01 Solyc03g1 Solyc03g1	0.46
sly00071	Metabolisr Lipid meta Fatty acid	0.00	0.01 Solyc08g0 Solyc08g0	0.44
sly00071	Metabolisr Lipid meta Fatty acid	0.00	0.01 Solyc06g0 Solyc06g0	0.39
sly00945	Metabolisr Biosynthes Stilbenoid,	0.00	0.01 Solyc06g0 Solyc06g0	2.65
sly00945	Metabolisr Biosynthes Stilbenoid,	0.00	0.01 Solyc05g0 Solyc05g0	0.22
sly00945	Metabolisr Biosynthes Stilbenoid,	0.00	0.01 Solyc01g0 Solyc01g0	2.13
sly00945	Metabolisr Biosynthes Stilbenoid,	0.00	0.01 Solyc01g0 Solyc01g0	2.28
sly00945	Metabolisr Biosynthes Stilbenoid,	0.00	0.01 Solyc01g1 Solyc01g1	0.00
sly00945	Metabolisr Biosynthes Stilbenoid,	0.00	0.01 Solyc04g0 Solyc04g0	0.27
sly00945	Metabolisr Biosynthes Stilbenoid,	0.00	0.01 Solyc03g0 Solyc03g0	0.04
sly00730	Metabolisr Metabolisr Thiamine r	0.01	0.10 Solyc07g0 Solyc07g0	0.47
sly00730	Metabolisr Metabolisr Thiamine r	0.01	0.10 Solyc11g0 Solyc11g0	0.49
sly00730	Metabolisr Metabolisr Thiamine r	0.01	0.10 Solyc11g0 Solyc11g0	0.38
sly00730	Metabolisr Metabolisr Thiamine r	0.01	0.10 Solyc11g0 Solyc11g0	0.47
sly00592	Metabolisr Lipid meta alpha-Lino	0.01	0.10 Solyc11g0 AOS2	0.12
sly00592	Metabolisr Lipid meta alpha-Lino	0.01	0.10 Solyc08g0 Solyc08g0	0.21
sly00592	Metabolisr Lipid meta alpha-Lino	0.01	0.10 Solyc04g0 Solyc04g0	0.48
sly00592	Metabolisr Lipid meta alpha-Lino	0.01	0.10 Solyc07g0 OPR3	0.47
sly00592	Metabolisr Lipid meta alpha-Lino	0.01	0.10 Solyc02g0 Solyc02g0	0.00
sly00520	Metabolisr Carbohydr Amino sug	0.04	0.31 Solyc01g1 Solyc01g1	2.32
sly00520	Metabolisr Carbohydr Amino sug	0.04	0.31 Solyc10g0 Solyc10g0	0.06
sly00520	Metabolisr Carbohydr Amino sug	0.04	0.31 Solyc02g0 CHI3	0.24
sly00520	Metabolisr Carbohydr Amino sug	0.04	0.31 Solyc08g0 Solyc08g0	0.34
sly00520	Metabolisr Carbohydr Amino sug	0.04	0.31 Solyc07g0 Solyc07g0	2.29
sly00520	Metabolisr Carbohydr Amino sug	0.04	0.31 Solyc11g0 Solyc11g0	0.33
sly00520	Metabolisr Carbohydr Amino sug	0.04	0.31 Solyc05g0 Solyc05g0	0.26
sly00520	Metabolisr Carbohydr Amino sug	0.04	0.31 Solyc10g0 CHI9	0.27
sly00520	Metabolisr Carbohydr Amino sug	0.04	0.31 Solyc07g0 Solyc07g0	0.45
sly00520	Metabolisr Carbohydr Amino sug	0.04	0.31 Solyc07g0 Solyc07g0	0.37
sly00561	Metabolisr Lipid meta Glycerolip	0.07	0.45 Solyc12g0 Solyc12g0	0.34
sly00561	Metabolisr Lipid meta Glycerolip	0.07	0.45 Solyc01g0 Solyc01g0	0.41
sly00561	Metabolisr Lipid meta Glycerolip	0.07	0.45 Solyc11g0 Solyc11g0	6.34
sly00561	Metabolisr Lipid meta Glycerolip	0.07	0.45 Solyc03g1 Solyc03g1	0.46
sly00561	Metabolisr Lipid meta Glycerolip	0.07	0.45 Solyc07g0 Solyc07g0	0.34
sly00561	Metabolisr Lipid meta Glycerolip	0.07	0.45 Solyc03g1 Solyc03g1	0.34

sly00903	Metabolisr Metabolisr Limonene	0.07	0.45	Solyc01g0 Solyc01g0	0.41
sly00903	Metabolisr Metabolisr Limonene	0.07	0.45	Solyc03g1 Solyc03g1	0.46
sly04626	Organisma Environme Plant-pathc	0.08	0.45	Solyc11g0 Solyc11g0	0.46
sly04626	Organisma Environme Plant-pathc	0.08	0.45	Solyc07g0 EIX1	0.33
sly04626	Organisma Environme Plant-pathc	0.08	0.45	Solyc01g0 Solyc01g0	0.00
sly04626	Organisma Environme Plant-pathc	0.08	0.45	Solyc09g0 Solyc09g0	8.52
sly04626	Organisma Environme Plant-pathc	0.08	0.45	Solyc11g0 Solyc11g0	2.48
sly04626	Organisma Environme Plant-pathc	0.08	0.45	Solyc06g0 Solyc06g0	0.48
sly04626	Organisma Environme Plant-pathc	0.08	0.45	Solyc09g0 Solyc09g0	0.43
sly04626	Organisma Environme Plant-pathc	0.08	0.45	Solyc03g1 Solyc03g1	0.34
sly04626	Organisma Environme Plant-pathc	0.08	0.45	Solyc01g0 Solyc01g0	2.66
sly04626	Organisma Environme Plant-pathc	0.08	0.45	Solyc02g0 Solyc02g0	0.49
sly04626	Organisma Environme Plant-pathc	0.08	0.45	Solyc02g0 PTI5	0.07
sly04626	Organisma Environme Plant-pathc	0.08	0.45	Solyc06g0 Solyc06g0	3.20
sly00380	Metabolisr Amino aci Tryptopha	0.08	0.45	Solyc01g0 Solyc01g0	0.41
sly00380	Metabolisr Amino aci Tryptopha	0.08	0.45	Solyc03g1 Solyc03g1	0.46
sly00380	Metabolisr Amino aci Tryptopha	0.08	0.45	Solyc06g0 Solyc06g0	2.01
sly00380	Metabolisr Amino aci Tryptopha	0.08	0.45	Solyc02g0 Solyc02g0	5.03
sly04016	Environme Signal tranMAPK sig	0.09	0.45	Solyc10g0 Solyc10g0	0.06
sly04016	Environme Signal tranMAPK sig	0.09	0.45	Solyc02g0 CHI3	0.24
sly04016	Environme Signal tranMAPK sig	0.09	0.45	Solyc08g0 Solyc08g0	0.39
sly04016	Environme Signal tranMAPK sig	0.09	0.45	Solyc10g0 CHI9	0.27
sly04016	Environme Signal tranMAPK sig	0.09	0.45	Solyc06g0 Solyc06g0	0.41
sly04016	Environme Signal tranMAPK sig	0.09	0.45	Solyc01g0 Solyc01g0	0.35
sly04016	Environme Signal tranMAPK sig	0.09	0.45	Solyc06g0 Solyc06g0	0.48
sly04016	Environme Signal tranMAPK sig	0.09	0.45	Solyc06g0 Solyc06g0	0.39
sly04016	Environme Signal tranMAPK sig	0.09	0.45	Solyc04g0 Solyc04g0	0.34
sly04016	Environme Signal tranMAPK sig	0.09	0.45	Solyc09g0 Solyc09g0	0.49
sly00906	Metabolisr Metabolisr Carotenoid	0.09	0.45	Solyc07g0 NCED1	0.30
sly00906	Metabolisr Metabolisr Carotenoid	0.09	0.45	Solyc08g0 CYP707A	0.26
sly00906	Metabolisr Metabolisr Carotenoid	0.09	0.45	Solyc10g0 Solyc10g0	0.28
sly00710	Metabolisr Energy me Carbon fix	0.10	0.45	Solyc03g0 RBCS-2A	0.34
sly00710	Metabolisr Energy me Carbon fix	0.10	0.45	Solyc01g1 Solyc01g1	0.31
sly00710	Metabolisr Energy me Carbon fix	0.10	0.45	Solyc05g0 Solyc05g0	0.44
sly00710	Metabolisr Energy me Carbon fix	0.10	0.45	Solyc02g0 Solyc02g0	0.46
sly00710	Metabolisr Energy me Carbon fix	0.10	0.45	Solyc12g0 Solyc12g0	0.13
sly00053	Metabolisr Carbohydr Ascorbate	0.10	0.47	Solyc07g0 Solyc07g0	2.29
sly00053	Metabolisr Carbohydr Ascorbate	0.10	0.47	Solyc01g0 Solyc01g0	0.41
sly00053	Metabolisr Carbohydr Ascorbate	0.10	0.47	Solyc03g1 Solyc03g1	0.46
sly00053	Metabolisr Carbohydr Ascorbate	0.10	0.47	Solyc01g0 Solyc01g0	0.18
sly00053	Metabolisr Carbohydr Ascorbate	0.10	0.47	Solyc02g0 Solyc02g0	2.89
sly00340	Metabolisr Amino aci Histidine n	0.13	0.57	Solyc01g0 Solyc01g0	0.41
sly00340	Metabolisr Amino aci Histidine n	0.13	0.57	Solyc03g1 Solyc03g1	0.46
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.59	Solyc05g0 Solyc05g0	2.02
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.59	Solyc04g0 Solyc04g0	0.48
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.59	Solyc01g0 Solyc01g0	0.41
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.59	Solyc01g1 Solyc01g1	0.31
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.59	Solyc11g0 Solyc11g0	0.33
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.59	Solyc03g1 Solyc03g1	0.46
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.59	Solyc08g0 Solyc08g0	0.44
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.59	Solyc06g0 Solyc06g0	0.39

sly04712	Organisma Environme Circadian i	0.15	0.59	Solyc09g0	Solyc09g0	0.01
sly04712	Organisma Environme Circadian i	0.15	0.59	Solyc05g0	Solyc05g0	0.01
sly04712	Organisma Environme Circadian i	0.15	0.59	Solyc12g0	Solyc12g0	0.32
sly00100	Metabolisr Lipid meta Steroid bic	0.18	0.68	Solyc03g0	Solyc03g0	2.46
sly00100	Metabolisr Lipid meta Steroid bic	0.18	0.68	Solyc01g1	Solyc01g1	0.28
sly00100	Metabolisr Lipid meta Steroid bic	0.18	0.68	Solyc02g0	Solyc02g0	0.36
sly00020	Metabolisr Carbohydr Citrate cyc	0.23	0.74	Solyc05g0	Solyc05g0	2.01
sly00020	Metabolisr Carbohydr Citrate cyc	0.23	0.74	Solyc05g0	Solyc05g0	2.02
sly00020	Metabolisr Carbohydr Citrate cyc	0.23	0.74	Solyc07g0	Solyc07g0	0.49
sly00020	Metabolisr Carbohydr Citrate cyc	0.23	0.74	Solyc04g0	Solyc04g0	0.41
sly00902	Metabolisr Metabolisr Monoterpe	0.24	0.74	Solyc11g0	Solyc11g0	0.16
sly00261	Metabolisr Biosynthes Monobacta	0.24	0.74	Solyc06g0	Solyc06g0	0.30
sly00350	Metabolisr Amino aci Tyrosine n	0.24	0.74	Solyc04g0	Solyc04g0	0.48
sly00350	Metabolisr Amino aci Tyrosine n	0.24	0.74	Solyc08g0	Solyc08g0	0.44
sly00350	Metabolisr Amino aci Tyrosine n	0.24	0.74	Solyc06g0	Solyc06g0	0.39
sly01200	Metabolisr Global and Carbon me	0.25	0.74	Solyc10g0	Solyc10g0	0.03
sly01200	Metabolisr Global and Carbon me	0.25	0.74	Solyc05g0	Solyc05g0	2.02
sly01200	Metabolisr Global and Carbon me	0.25	0.74	Solyc03g0	RBCS-2A	0.34
sly01200	Metabolisr Global and Carbon me	0.25	0.74	Solyc07g0	Solyc07g0	0.49
sly01200	Metabolisr Global and Carbon me	0.25	0.74	Solyc04g0	Solyc04g0	0.41
sly01200	Metabolisr Global and Carbon me	0.25	0.74	Solyc01g1	Solyc01g1	0.31
sly01200	Metabolisr Global and Carbon me	0.25	0.74	Solyc05g0	Solyc05g0	0.44
sly01200	Metabolisr Global and Carbon me	0.25	0.74	Solyc11g0	Solyc11g0	0.33
sly01200	Metabolisr Global and Carbon me	0.25	0.74	Solyc02g0	Solyc02g0	0.46
sly01200	Metabolisr Global and Carbon me	0.25	0.74	Solyc12g0	Solyc12g0	0.30
sly01200	Metabolisr Global and Carbon me	0.25	0.74	Solyc12g0	Solyc12g0	0.13
sly01200	Metabolisr Global and Carbon me	0.25	0.74	Solyc09g0	TD2	4.53
sly00360	Metabolisr Amino aci Phenylalar	0.27	0.74	Solyc08g0	Solyc08g0	0.11
sly00360	Metabolisr Amino aci Phenylalar	0.27	0.74	Solyc08g0	Solyc08g0	0.00
sly00360	Metabolisr Amino aci Phenylalar	0.27	0.74	Solyc08g0	Solyc08g0	799.01
sly00904	Metabolisr Metabolisr Diterpenoi	0.28	0.74	Solyc07g0	Solyc07g0	0.17
sly00904	Metabolisr Metabolisr Diterpenoi	0.28	0.74	Solyc01g0	Solyc01g0	0.29
sly00310	Metabolisr Amino aci Lysine deg	0.28	0.74	Solyc01g0	Solyc01g0	0.41
sly00310	Metabolisr Amino aci Lysine deg	0.28	0.74	Solyc03g1	Solyc03g1	0.46
sly04075	Environme Signal tran Plant horm	0.29	0.74	Solyc03g0	Solyc03g0	4.24
sly04075	Environme Signal tran Plant horm	0.29	0.74	Solyc11g0	Solyc11g0	0.47
sly04075	Environme Signal tran Plant horm	0.29	0.74	Solyc06g0	Solyc06g0	0.41
sly04075	Environme Signal tran Plant horm	0.29	0.74	Solyc06g0	Solyc06g0	2.00
sly04075	Environme Signal tran Plant horm	0.29	0.74	Solyc01g0	Solyc01g0	0.35
sly04075	Environme Signal tran Plant horm	0.29	0.74	Solyc04g0	Solyc04g0	0.18
sly04075	Environme Signal tran Plant horm	0.29	0.74	Solyc01g0	Solyc01g0	0.50
sly04075	Environme Signal tran Plant horm	0.29	0.74	Solyc08g0	Solyc08g0	0.38
sly04075	Environme Signal tran Plant horm	0.29	0.74	Solyc06g0	Solyc06g0	0.39
sly04075	Environme Signal tran Plant horm	0.29	0.74	Solyc04g0	Solyc04g0	0.34
sly04075	Environme Signal tran Plant horm	0.29	0.74	Solyc09g0	Solyc09g0	0.49
sly00630	Metabolisr Carbohydr Glyoxylate	0.32	0.74	Solyc10g0	Solyc10g0	0.03
sly00630	Metabolisr Carbohydr Glyoxylate	0.32	0.74	Solyc03g0	RBCS-2A	0.34
sly00630	Metabolisr Carbohydr Glyoxylate	0.32	0.74	Solyc07g0	Solyc07g0	0.49
sly00630	Metabolisr Carbohydr Glyoxylate	0.32	0.74	Solyc12g0	Solyc12g0	0.30
sly00900	Metabolisr Metabolisr Terpenoid	0.33	0.74	Solyc04g0	Solyc04g0	2.15
sly00900	Metabolisr Metabolisr Terpenoid	0.33	0.74	Solyc12g0	Solyc12g0	0.43

sly00900	Metabolism Metabolism Terpenoid	0.33	0.74	Solyc11g0	Solyc11g0	0.38
sly00920	Metabolism Energy metabolism Sulfur metabolism	0.33	0.74	Solyc09g0	Solyc09g0	0.44
sly00920	Metabolism Energy metabolism Sulfur metabolism	0.33	0.74	Solyc02g0	Solyc02g0	0.49
sly00908	Metabolism Metabolism Zeatin biosynthesis	0.33	0.74	Solyc01g0	Solyc01g0	0.42
sly00908	Metabolism Metabolism Zeatin biosynthesis	0.33	0.74	Solyc10g0	Solyc10g0	3.52
sly02010	Environment Membrane ABC transport	0.33	0.74	Solyc02g0	Solyc02g0	0.34
sly00300	Metabolism Amino acid Lysine biosynthesis	0.33	0.74	Solyc06g0	Solyc06g0	0.30
sly00531	Metabolism Glycan biosynthesis Glycosaminoglycan	0.38	0.75	Solyc03g1	Solyc03g1	0.41
sly00905	Metabolism Metabolism Brassinosteroid	0.38	0.75	Solyc02g0	Solyc02g0	0.36
sly00450	Metabolism Metabolism Selenocysteine	0.38	0.75	Solyc01g1	Solyc01g1	2.42
sly00591	Metabolism Lipid metabolism Linoleic acid	0.38	0.75	Solyc01g0	Solyc01g0	3.58
sly00280	Metabolism Amino acid Valine, leucine	0.38	0.75	Solyc01g0	Solyc01g0	0.41
sly00280	Metabolism Amino acid Valine, leucine	0.38	0.75	Solyc03g1	Solyc03g1	0.46
sly00280	Metabolism Amino acid Valine, leucine	0.38	0.75	Solyc12g0	Solyc12g0	0.43
sly00750	Metabolism Metabolism Vitamin B6	0.42	0.80	Solyc06g0	Solyc06g0	0.22
sly00330	Metabolism Amino acid Arginine	0.43	0.81	Solyc02g0	Solyc02g0	0.36
sly00330	Metabolism Amino acid Arginine	0.43	0.81	Solyc01g0	Solyc01g0	0.41
sly00330	Metabolism Amino acid Arginine	0.43	0.81	Solyc03g1	Solyc03g1	0.46
sly04130	Genetic Information Folding, secretory SNARE in	0.45	0.81	Solyc09g0	Solyc09g0	2.28
sly04130	Genetic Information Folding, secretory SNARE in	0.45	0.81	Solyc01g0	Solyc01g0	0.19
sly00770	Metabolism Metabolism Pantothenic acid	0.45	0.81	Solyc01g0	Solyc01g0	0.41
sly00770	Metabolism Metabolism Pantothenic acid	0.45	0.81	Solyc03g1	Solyc03g1	0.46
sly00565	Metabolism Lipid metabolism Ether lipid	0.49	0.86	Solyc08g0	Solyc08g0	0.47
sly00260	Metabolism Amino acid Glycine, serine	0.52	0.86	Solyc12g0	Solyc12g0	0.30
sly00260	Metabolism Amino acid Glycine, serine	0.52	0.86	Solyc06g0	Solyc06g0	0.30
sly00260	Metabolism Amino acid Glycine, serine	0.52	0.86	Solyc09g0	TD2	4.53
sly01040	Metabolism Lipid metabolism Biosynthesis	0.52	0.86	Solyc01g0	Solyc01g0	0.27
sly00130	Metabolism Metabolism Ubiquinone	0.53	0.86	Solyc05g0	Solyc05g0	0.22
sly00130	Metabolism Metabolism Ubiquinone	0.53	0.86	Solyc03g0	Solyc03g0	0.11
sly00290	Metabolism Amino acid Valine, leucine	0.55	0.86	Solyc09g0	TD2	4.53
sly00030	Metabolism Carbohydrate Pentose phosphate	0.57	0.86	Solyc01g1	Solyc01g1	0.31
sly00030	Metabolism Carbohydrate Pentose phosphate	0.57	0.86	Solyc05g0	Solyc05g0	0.44
sly00052	Metabolism Carbohydrate Galactose	0.57	0.86	Solyc11g0	Solyc11g0	0.33
sly00052	Metabolism Carbohydrate Galactose	0.57	0.86	Solyc01g0	Solyc01g0	0.45
sly00480	Metabolism Metabolism Glutathione	0.58	0.86	Solyc01g0	Solyc01g0	0.31
sly00480	Metabolism Metabolism Glutathione	0.58	0.86	Solyc02g0	Solyc02g0	2.89
sly00480	Metabolism Metabolism Glutathione	0.58	0.86	Solyc09g0	Solyc09g0	0.34
sly00740	Metabolism Metabolism Riboflavin	0.58	0.86	Solyc03g0	Solyc03g0	0.15
sly00500	Metabolism Carbohydrate Starch and glycogen	0.59	0.86	Solyc12g0	Solyc12g0	0.40
sly00500	Metabolism Carbohydrate Starch and glycogen	0.59	0.86	Solyc05g0	Solyc05g0	0.37
sly00500	Metabolism Carbohydrate Starch and glycogen	0.59	0.86	Solyc05g0	Solyc05g0	0.37
sly00500	Metabolism Carbohydrate Starch and glycogen	0.59	0.86	Solyc11g0	Solyc11g0	0.33
sly00410	Metabolism Metabolism beta-Alanine	0.61	0.86	Solyc01g0	Solyc01g0	0.41
sly00410	Metabolism Metabolism beta-Alanine	0.61	0.86	Solyc03g1	Solyc03g1	0.46
sly01212	Metabolism Global and Fatty acid metabolism	0.63	0.86	Solyc01g0	Solyc01g0	0.27
sly01212	Metabolism Global and Fatty acid metabolism	0.63	0.86	Solyc08g0	Solyc08g0	0.21
sly00240	Metabolism Nucleotide Pyrimidine	0.63	0.86	Solyc01g0	Solyc01g0	0.29
sly00240	Metabolism Nucleotide Pyrimidine	0.63	0.86	Solyc11g0	Solyc11g0	2.55
sly00040	Metabolism Carbohydrate Pentose and hexose	0.65	0.86	Solyc09g0	Solyc09g0	0.27
sly00040	Metabolism Carbohydrate Pentose and hexose	0.65	0.86	Solyc05g0	Solyc05g0	0.26
sly00040	Metabolism Carbohydrate Pentose and hexose	0.65	0.86	Solyc01g0	Solyc01g0	4.89

sly00620	Metabolism Carbohydr Pyruvate n	0.65	0.86	Solyc05g0	Solyc05g0	2.02
sly00620	Metabolism Carbohydr Pyruvate n	0.65	0.86	Solyc01g0	Solyc01g0	0.41
sly00620	Metabolism Carbohydr Pyruvate n	0.65	0.86	Solyc03g1	Solyc03g1	0.46
sly00270	Metabolism Amino aci Cysteine a	0.65	0.86	Solyc02g0	Solyc02g0	0.23
sly00270	Metabolism Amino aci Cysteine a	0.65	0.86	Solyc07g0	Solyc07g0	0.16
sly00270	Metabolism Amino aci Cysteine a	0.65	0.86	Solyc03g0	Solyc03g0	0.00
sly00270	Metabolism Amino aci Cysteine a	0.65	0.86	Solyc06g0	Solyc06g0	0.30
sly00073	Metabolism Lipid meta Cutin, sub	0.66	0.86	Solyc12g0	Solyc12g0	0.47
sly03440	Genetic In: Replication Homolog	0.66	0.86	Solyc06g0	Solyc06g0	2.41
sly00564	Metabolism Lipid meta Glyceroph	0.67	0.86	Solyc12g0	Solyc12g0	0.48
sly00564	Metabolism Lipid meta Glyceroph	0.67	0.86	Solyc11g0	Solyc11g0	6.34
sly00564	Metabolism Lipid meta Glyceroph	0.67	0.86	Solyc08g0	Solyc08g0	0.47
sly03410	Genetic In: Replication Base excis	0.70	0.89	Solyc11g0	Solyc11g0	0.43
sly00650	Metabolism Carbohydr Butanoate	0.72	0.89	Solyc12g0	Solyc12g0	0.43
sly00062	Metabolism Lipid meta Fatty acid	0.72	0.89	Solyc09g0	Solyc09g0	8.52
sly04146	Cellular Pr Transport : Peroxisom	0.73	0.89	Solyc10g0	Solyc10g0	0.03
sly04146	Cellular Pr Transport : Peroxisom	0.73	0.89	Solyc12g0	Solyc12g0	0.30
sly04144	Cellular Pr Transport : Endocytos	0.80	0.95	Solyc10g0	Solyc10g0	0.47
sly04144	Cellular Pr Transport : Endocytos	0.80	0.95	Solyc08g0	Solyc08g0	0.47
sly04144	Cellular Pr Transport : Endocytos	0.80	0.95	Solyc03g1	Solyc03g1	0.00
sly04144	Cellular Pr Transport : Endocytos	0.80	0.95	Solyc05g0	Solyc05g0	0.43
sly04144	Cellular Pr Transport : Endocytos	0.80	0.95	Solyc02g0	Solyc02g0	2.27
sly00051	Metabolism Carbohydr Fructose a	0.80	0.95	Solyc01g1	Solyc01g1	0.31
sly00051	Metabolism Carbohydr Fructose a	0.80	0.95	Solyc11g0	Solyc11g0	0.33
sly01230	Metabolism Global and Biosynthes	0.83	0.96	Solyc07g0	Solyc07g0	0.49
sly01230	Metabolism Global and Biosynthes	0.83	0.96	Solyc01g1	Solyc01g1	0.31
sly01230	Metabolism Global and Biosynthes	0.83	0.96	Solyc05g0	Solyc05g0	0.44
sly01230	Metabolism Global and Biosynthes	0.83	0.96	Solyc06g0	Solyc06g0	0.30
sly01230	Metabolism Global and Biosynthes	0.83	0.96	Solyc09g0	TD2	4.53
sly01230	Metabolism Global and Biosynthes	0.83	0.96	Solyc06g0	Solyc06g0	0.00
sly01210	Metabolism Global and 2-Oxocarb	0.84	0.96	Solyc07g0	Solyc07g0	0.49
sly00250	Metabolism Amino aci Alanine, a	0.87	0.97	Solyc12g0	Solyc12g0	0.30
sly00400	Metabolism Amino aci Phenylalan	0.87	0.97	Solyc06g0	Solyc06g0	0.00
sly00562	Metabolism Carbohydr Inositol ph	0.90	0.99	Solyc05g0	Solyc05g0	0.45
sly00860	Metabolism Metabolism Porphyrin	0.91	0.99	Solyc09g0	Solyc09g0	0.40
sly00190	Metabolism Energy me Oxidative j	0.94	0.99	Solyc04g0	Solyc04g0	0.41
sly00190	Metabolism Energy me Oxidative j	0.94	0.99	Solyc12g0	Solyc12g0	2112.44
sly01240	Metabolism Global and Biosynthes	0.94	0.99	Solyc07g0	Solyc07g0	0.47
sly01240	Metabolism Global and Biosynthes	0.94	0.99	Solyc01g0	Solyc01g0	0.29
sly01240	Metabolism Global and Biosynthes	0.94	0.99	Solyc07g0	Solyc07g0	2.29
sly01240	Metabolism Global and Biosynthes	0.94	0.99	Solyc01g0	Solyc01g0	0.41
sly01240	Metabolism Global and Biosynthes	0.94	0.99	Solyc06g0	Solyc06g0	0.22
sly01240	Metabolism Global and Biosynthes	0.94	0.99	Solyc03g1	Solyc03g1	0.46
sly03013	Genetic In: Translation Nucleocytc	0.95	0.99	Solyc11g0	Solyc11g0	0.13
sly03013	Genetic In: Translation Nucleocytc	0.95	0.99	Solyc06g0	Solyc06g0	2.11
sly03040	Genetic In: Transcript Spliceoson	0.97	0.99	Solyc10g0	Solyc10g0	0.47
sly03040	Genetic In: Transcript Spliceoson	0.97	0.99	Solyc03g1	Solyc03g1	0.00
sly04141	Genetic In: Folding, sc Protein prc	0.97	0.99	Solyc04g0	Solyc04g0	0.49
sly04141	Genetic In: Folding, sc Protein prc	0.97	0.99	Solyc10g0	Solyc10g0	0.47
sly04141	Genetic In: Folding, sc Protein prc	0.97	0.99	Solyc03g1	Solyc03g1	0.00
sly03015	Genetic In: Translation mRNA sur	0.98	0.99	Solyc06g0	Solyc06g0	0.33

sly03010	Genetic In: Translation Ribosome	1.00	1.00	Solyc09g0	Solyc09g0	3.66
sly03010	Genetic In: Translation Ribosome	1.00	1.00	Solyc09g0	Solyc09g0	6.55
sly03010	Genetic In: Translation Ribosome	1.00	1.00	Solyc11g0	Solyc11g0	5.73

log2(fc)	pval	qval	regulation
-5.15	0	0	down
-7.13	0	0	down
-2.13	0	0	down
-5.62	0	0	down
-6.95	0	0	down
-3.01	0	0	down
-1.87	0	0	down
-3.13	0	0	down
-1.88	0.00	0.00	down
1.41	0.00	0.00	up
1.21	0.00	0.00	up
-1.09	0.00	0.00	down
-1.72	0.00	0.00	down
-4.12	0.00	0.00	down
-2.62	0.00	0.00	down
-1.69	0.00	0.00	down
-1.57	0.00	0.00	down
-1.33	0.00	0.00	down
-2.15	0.00	0.00	down
-2.08	0.00	0.00	down
1.01	0.00	0.00	up
-3.22	0.00	0.00	down
1.01	0.00	0.00	up
-2.27	0.00	0.00	down
-2.46	0.00	0.00	down
-1.06	0.00	0.00	down
-1.58	0.00	0.00	down
-1.04	0.00	0.00	down
-2.71	0.00	0.00	down
-1.44	0.00	0.00	down
-1.15	0.00	0.00	down
1.11	0.00	0.00	up
-1.78	0.00	0.00	down
-1.84	0.00	0.00	down
-1.55	0.00	0.00	down
-1.46	0.00	0.00	down
-1.27	0.00	0.00	down
-1.42	0.00	0.00	down
1.19	0.00	0.00	up
-1.33	0.00	0.00	down
-1.27	0.00	0.00	down
-1.03	0.00	0.00	down
-1.22	0.00	0.00	down
-1.30	0.00	0.00	down
-2.19	0.00	0.00	down
-1.49	0.00	0.00	down
-1.69	0.00	0.00	down
-2.75	0.00	0.00	down
-1.18	0.00	0.00	down

-1.77	0.00	0.00 down
2.66	0.00	0.00 up
-1.20	0.00	0.00 down
-1.59	0.00	0.00 down
-1.02	0.00	0.00 down
-1.92	0.00	0.00 down
-1.12	0.00	0.00 down
-1.88	0.00	0.00 down
-1.96	0.00	0.00 down
-1.10	0.00	0.00 down
-1.03	0.00	0.00 down
-1.20	0.00	0.00 down
-1.15	0.00	0.00 down
2.55	0.00	0.00 up
-3.24	0.00	0.00 down
-2.51	0.00	0.00 down
1.01	0.00	0.00 up
1.53	0.00	0.00 up
-1.07	0.00	0.00 down
1.35	0.00	0.00 up
-1.49	0.00	0.00 down
11.04	0.00	0.00 up
-1.26	0.00	0.00 down
-2.07	0.00	0.00 down
-1.12	0.00	0.00 down
-1.20	0.00	0.00 down
-11.21	0.00	0.00 down
-1.16	0.00	0.00 down
1.09	0.00	0.00 up
-1.56	0.00	0.00 down
1.28	0.00	0.00 up
2.29	0.00	0.00 up
-1.74	0.00	0.00 down
-10.99	0.00	0.00 down
-1.35	0.00	0.00 down
3.09	0.00	0.00 up
-1.75	0.00	0.00 down
1.28	0.00	0.00 up
-1.55	0.00	0.00 down
-11.15	0.00	0.00 down
-2.93	0.00	0.00 down
1.56	0.00	0.00 up
-1.39	0.00	0.00 down
-1.57	0.00	0.00 down
2.18	0.00	0.00 up
9.64	0.00	0.00 up
1.10	0.00	0.00 up
3.32	0.00	0.00 up
-1.51	0.00	0.01 down
1.19	0.00	0.01 up
1.19	0.00	0.01 up

1.59	0.00	0.01 up
-9.69	0.00	0.01 down
-1.87	0.00	0.01 down
-1.43	0.00	0.01 down
-4.71	0.00	0.01 down
-3.34	0.00	0.02 down
-1.08	0.00	0.02 down
-1.85	0.01	0.02 down
-9.26	0.01	0.02 down
-7.13	0	0 down
-5.62	0	0 down
-6.95	0	0 down
-3.13	0	0 down
1.41	0.00	0.00 up
-2.15	0.00	0.00 down
1.09	0.00	0.00 up
1.19	0.00	0.01 up
-9.69	0.00	0.01 down
-1.87	0.00	0.01 down
-4.71	0.00	0.01 down
-1.13	0.00	0.00 down
-1.07	0.00	0.00 down
-1.53	0.00	0.00 down
-1.22	0.00	0.00 down
-2.31	0.00	0.00 down
-2.07	0.00	0.00 down
-2.23	0.00	0.00 down
-1.71	0.00	0.00 down
-4.04	0.00	0.01 down
-5.15	0	0 down
-7.13	0	0 down
-2.54	0	0 down
-2.13	0	0 down
-5.62	0	0 down
-6.95	0	0 down
-3.01	0	0 down
-3.13	0	0 down
1.41	0.00	0.00 up
-1.72	0.00	0.00 down
-2.62	0.00	0.00 down
-1.33	0.00	0.00 down
-2.15	0.00	0.00 down
1.01	0.00	0.00 up
-3.22	0.00	0.00 down
1.01	0.00	0.00 up
-2.27	0.00	0.00 down
-1.06	0.00	0.00 down
-1.58	0.00	0.00 down
-1.04	0.00	0.00 down
-1.44	0.00	0.00 down
-1.15	0.00	0.00 down

1.11	0.00	0.00 up
-2.69	0.00	0.00 down
-1.84	0.00	0.00 down
-1.55	0.00	0.00 down
-1.46	0.00	0.00 down
-1.33	0.00	0.00 down
-1.27	0.00	0.00 down
-1.30	0.00	0.00 down
-1.49	0.00	0.00 down
-1.69	0.00	0.00 down
-1.18	0.00	0.00 down
-1.77	0.00	0.00 down
2.66	0.00	0.00 up
-1.59	0.00	0.00 down
-1.12	0.00	0.00 down
-1.10	0.00	0.00 down
-1.20	0.00	0.00 down
2.55	0.00	0.00 up
-1.07	0.00	0.00 down
-1.49	0.00	0.00 down
-1.26	0.00	0.00 down
-1.20	0.00	0.00 down
-11.21	0.00	0.00 down
1.09	0.00	0.00 up
-1.74	0.00	0.00 down
-1.35	0.00	0.00 down
3.09	0.00	0.00 up
-1.75	0.00	0.00 down
1.28	0.00	0.00 up
1.56	0.00	0.00 up
-1.39	0.00	0.00 down
2.18	0.00	0.00 up
1.10	0.00	0.00 up
3.32	0.00	0.00 up
1.19	0.00	0.01 up
1.19	0.00	0.01 up
1.59	0.00	0.01 up
-9.69	0.00	0.01 down
-1.87	0.00	0.01 down
-4.71	0.00	0.01 down
-3.34	0.00	0.02 down
-1.85	0.01	0.02 down
-9.26	0.01	0.02 down
1.41	0.00	0.00 up
-2.15	0.00	0.00 down
-3.22	0.00	0.00 down
2.55	0.00	0.00 up
1.09	0.00	0.00 up
1.28	0.00	0.00 up
1.56	0.00	0.00 up
1.10	0.00	0.00 up

3.32	0.00	0.00 up
1.19	0.00	0.01 up
1.19	0.00	0.01 up
1.59	0.00	0.01 up
-9.69	0.00	0.01 down
-1.87	0.00	0.01 down
-4.71	0.00	0.01 down
-3.34	0.00	0.02 down
-2.46	0.00	0.00 down
-2.75	0.00	0.00 down
-1.02	0.00	0.00 down
-11.15	0.00	0.00 down
-1.51	0.00	0.01 down
-2.27	0.00	0.00 down
-1.06	0.00	0.00 down
-1.30	0.00	0.00 down
-1.12	0.00	0.00 down
-1.20	0.00	0.00 down
-1.35	0.00	0.00 down
1.41	0.00	0.00 up
-2.15	0.00	0.00 down
1.09	0.00	0.00 up
1.19	0.00	0.01 up
-9.69	0.00	0.01 down
-1.87	0.00	0.01 down
-4.71	0.00	0.01 down
-1.09	0.00	0.00 down
-1.03	0.00	0.00 down
-1.39	0.00	0.00 down
-1.08	0.00	0.02 down
-3.01	0	0 down
-2.27	0.00	0.00 down
-1.06	0.00	0.00 down
-1.10	0.00	0.00 down
-11.78	0.00	0.00 down
1.21	0.00	0.00 up
-4.12	0.00	0.00 down
-2.08	0.00	0.00 down
-1.55	0.00	0.00 down
1.19	0.00	0.00 up
-1.59	0.00	0.00 down
-1.92	0.00	0.00 down
-1.88	0.00	0.00 down
-1.16	0.00	0.00 down
-1.43	0.00	0.01 down
-1.57	0.00	0.00 down
-1.30	0.00	0.00 down
2.66	0.00	0.00 up
-1.12	0.00	0.00 down
-1.55	0.00	0.00 down
-1.57	0.00	0.00 down

-1.30	0.00	0.00 down
-1.12	0.00	0.00 down
-1.12	0.00	0.00 down
-1.59	0.00	0.00 down
-12.11	0.00	0.00 down
3.09	0.00	0.00 up
1.31	0.00	0.00 up
-1.07	0.00	0.00 down
-1.22	0.00	0.00 down
-1.57	0.00	0.00 down
1.41	0.00	0.00 up
-1.03	0.00	0.01 down
-3.77	0.00	0.01 down
1.68	0.01	0.03 up
-1.30	0.00	0.00 down
-1.12	0.00	0.00 down
1.01	0.00	0.00 up
2.33	0.01	0.04 up
-4.12	0.00	0.00 down
-2.08	0.00	0.00 down
-1.34	0.00	0.00 down
-1.88	0.00	0.00 down
-1.28	0.00	0.00 down
-1.51	0.00	0.00 down
-1.07	0.00	0.00 down
-1.36	0.00	0.01 down
-1.54	0.01	0.02 down
-1.04	0.01	0.03 down
-1.72	0.00	0.00 down
-1.93	0.00	0.00 down
-1.85	0.01	0.02 down
-1.58	0.00	0.00 down
-1.69	0.00	0.00 down
-1.18	0.00	0.00 down
-1.12	0.00	0.00 down
-2.93	0.00	0.00 down
1.19	0.00	0.00 up
-1.30	0.00	0.00 down
-1.12	0.00	0.00 down
-2.51	0.00	0.00 down
1.53	0.00	0.00 up
-1.30	0.00	0.00 down
-1.12	0.00	0.00 down
1.01	0.00	0.00 up
-1.06	0.00	0.00 down
-1.30	0.00	0.00 down
-1.69	0.00	0.00 down
-1.59	0.00	0.00 down
-1.12	0.00	0.00 down
-1.20	0.00	0.00 down
-1.35	0.00	0.00 down

-7.13	0	0 down
-6.95	0	0 down
-1.65	0.00	0.00 down
1.30	0	0 up
-1.84	0.00	0.00 down
-1.49	0.00	0.00 down
1.01	0.00	0.00 up
1.01	0.00	0.00 up
-1.04	0.00	0.00 down
-1.27	0.00	0.00 down
-2.69	0.00	0.00 down
-1.75	0.00	0.00 down
-1.06	0.00	0.00 down
-1.20	0.00	0.00 down
-1.35	0.00	0.00 down
-5.15	0	0 down
1.01	0.00	0.00 up
-1.58	0.00	0.00 down
-1.04	0.00	0.00 down
-1.27	0.00	0.00 down
-1.69	0.00	0.00 down
-1.18	0.00	0.00 down
-1.59	0.00	0.00 down
-1.12	0.00	0.00 down
-1.74	0.00	0.00 down
-2.93	0.00	0.00 down
2.18	0.00	0.00 up
-3.24	0.00	0.00 down
-10.99	0.00	0.00 down
9.64	0.00	0.00 up
-2.54	0	0 down
-1.77	0.00	0.00 down
-1.30	0.00	0.00 down
-1.12	0.00	0.00 down
2.08	0.00	0.00 up
-1.08	0.00	0.00 down
-1.28	0.00	0.00 down
1.00	0.00	0.00 up
-1.51	0.00	0.00 down
-2.51	0.00	0.00 down
-1.01	0.00	0.00 down
-1.40	0.00	0.00 down
-1.36	0.00	0.01 down
-1.54	0.01	0.02 down
-1.04	0.01	0.03 down
-5.15	0	0 down
-1.58	0.00	0.00 down
-1.04	0.00	0.00 down
-1.74	0.00	0.00 down
1.11	0.00	0.00 up
-1.20	0.00	0.00 down

-1.39	0.00	0.00 down
-1.20	0.00	0.00 down
-1.03	0.00	0.00 down
-1.26	0.00	0.00 down
1.82	0.02	0.05 up
-1.57	0.00	0.00 down
-1.75	0.00	0.00 down
-1.27	0.00	0.00 down
-1.49	0.00	0.00 down
1.28	0.00	0.00 up
1.84	0.01	0.04 up
-1.30	0.00	0.00 down
-1.12	0.00	0.00 down
-1.20	0.00	0.00 down
-2.19	0.00	0.00 down
-1.46	0.00	0.00 down
-1.30	0.00	0.00 down
-1.12	0.00	0.00 down
1.19	0.00	0.00 up
-2.40	0.01	0.04 down
-1.30	0.00	0.00 down
-1.12	0.00	0.00 down
-1.07	0.00	0.00 down
-1.74	0.00	0.00 down
-1.75	0.00	0.00 down
2.18	0.00	0.00 up
-1.87	0	0 down
-2.15	0.00	0.00 down
-3.22	0.00	0.00 down
2.18	0.00	0.00 up
-1.69	0.00	0.00 down
-1.18	0.00	0.00 down
-1.59	0.00	0.00 down
-1.15	0.00	0.00 down
-1.69	0.00	0.00 down
1.53	0.00	0.00 up
-1.56	0.00	0.00 down
-2.71	0.00	0.00 down
-1.33	0.00	0.00 down
-1.44	0.00	0.00 down
-1.42	0.00	0.00 down
-1.59	0.00	0.00 down
-1.30	0.00	0.00 down
-1.12	0.00	0.00 down
-1.87	0	0 down
-2.27	0.00	0.00 down
-1.78	0.00	0.00 down
1.35	0.00	0.00 up
-1.88	0.00	0.00 down
-1.96	0.00	0.00 down
2.29	0.00	0.00 up

1.01	0.00	0.00 up
-1.30	0.00	0.00 down
-1.12	0.00	0.00 down
-2.13	0	0 down
-2.62	0.00	0.00 down
-11.21	0.00	0.00 down
-1.75	0.00	0.00 down
-1.08	0.00	0.00 down
1.27	0.00	0.00 up
-1.06	0.00	0.00 down
2.66	0.00	0.00 up
-1.07	0.00	0.00 down
-1.23	0.00	0.00 down
-1.20	0.00	0.00 down
3.09	0.00	0.00 up
-5.15	0	0 down
-1.74	0.00	0.00 down
-1.09	0.00	0.00 down
-1.07	0.00	0.00 down
-11.76	0.00	0.00 down
-1.23	0.00	0.00 down
1.18	0.00	0.00 up
-1.69	0.00	0.00 down
-1.59	0.00	0.00 down
-1.04	0.00	0.00 down
-1.69	0.00	0.00 down
-1.18	0.00	0.00 down
-1.75	0.00	0.00 down
2.18	0.00	0.00 up
-9.26	0.01	0.02 down
-1.04	0.00	0.00 down
-1.74	0.00	0.00 down
-9.26	0.01	0.02 down
-1.15	0.00	0.00 down
-1.33	0.00	0.00 down
-1.27	0.00	0.00 down
11.04	0.00	0.00 up
-1.09	0.00	0.00 down
-1.78	0.00	0.00 down
1.19	0.00	0.00 up
-1.30	0.00	0.00 down
-2.19	0.00	0.00 down
-1.12	0.00	0.00 down
-2.91	0.00	0.00 down
1.07	0.00	0.00 up
-1.09	0.00	0.00 down
-11.76	0.00	0.00 down
-1.03	0.00	0.00 down
-1.09	0.00	0.00 down
-11.76	0.00	0.00 down
-1.61	0.00	0.00 down

1.87	0.00	0.00 up
2.71	0.00	0.00 up
2.52	0.00	0.00 up