

Table S8: KEGG pathways of differentially expressed genes in MF19-vs-MF20.

Pathway	KEGG_L	KEGG_L	Pathway_P	P.value	Q.value	gene_id	gene_name	fc
sly00195	Metabolism	Energy metabolism	Photosynthesis	0.00	0.00	Solyc02g0	Solyc02g0	3.57
sly00195	Metabolism	Energy metabolism	Photosynthesis	0.00	0.00	Solyc07g0	Solyc07g0	4.02
sly00195	Metabolism	Energy metabolism	Photosynthesis	0.00	0.00	Solyc12g0	Solyc12g0	2.97
sly00195	Metabolism	Energy metabolism	Photosynthesis	0.00	0.00	Solyc04g0	PETE	2.69
sly00195	Metabolism	Energy metabolism	Photosynthesis	0.00	0.00	Solyc09g0	Solyc09g0	7.18
sly00195	Metabolism	Energy metabolism	Photosynthesis	0.00	0.00	Solyc02g0	Solyc02g0	2.31
sly00195	Metabolism	Energy metabolism	Photosynthesis	0.00	0.00	Solyc12g0	Solyc12g0	2.10
sly00195	Metabolism	Energy metabolism	Photosynthesis	0.00	0.00	Solyc02g0	PSBO	5.02
sly00195	Metabolism	Energy metabolism	Photosynthesis	0.00	0.00	Solyc07g0	PSBR	3.05
sly00195	Metabolism	Energy metabolism	Photosynthesis	0.00	0.00	Solyc02g0	Solyc02g0	3.41
sly00195	Metabolism	Energy metabolism	Photosynthesis	0.00	0.00	Solyc06g0	PSBS	2.99
sly00195	Metabolism	Energy metabolism	Photosynthesis	0.00	0.00	Solyc07g0	Solyc07g0	2.47
sly00195	Metabolism	Energy metabolism	Photosynthesis	0.00	0.00	Solyc01g1	psbZ	0.17
sly00195	Metabolism	Energy metabolism	Photosynthesis	0.00	0.00	Solyc08g0	Solyc08g0	1537.41
sly00195	Metabolism	Energy metabolism	Photosynthesis	0.00	0.00	Solyc06g0	Solyc06g0	4.49
sly00195	Metabolism	Energy metabolism	Photosynthesis	0.00	0.00	Solyc03g1	Solyc03g1	2.21
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc07g0	ACO1	2.82
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc10g0	PG2	9.48
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc01g1	Solyc01g1	4.83
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc01g0	Solyc01g0	0.09
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc04g0	Solyc04g0	6.11
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc03g0	Solyc03g0	4.05
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc10g0	Solyc10g0	4.26
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc04g0	Solyc04g0	6.77
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc09g0	Solyc09g0	6.99
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc07g0	Solyc07g0	0.35
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc02g0	Solyc02g0	0.08
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc01g0	Solyc01g0	2.62
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc05g0	Solyc05g0	0.06
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc02g0	Solyc02g0	3.57
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc01g0	Solyc01g0	2.46
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc11g0	Solyc11g0	3.25
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc02g0	Solyc02g0	3.08
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc05g0	Solyc05g0	4.45
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc11g0	Solyc11g0	0.28
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc09g0	Solyc09g0	0.06
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc05g0	Solyc05g0	2.80
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc06g0	Solyc06g0	2.22
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc12g0	Solyc12g0	0.25
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc04g0	Solyc04g0	2.62
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc04g0	Solyc04g0	0.35
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc01g0	Solyc01g0	2.01
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc11g0	AOS2	3.20
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc01g1	Solyc01g1	4.98
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc03g1	Solyc03g1	2.44
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc04g0	Solyc04g0	3.78
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc09g0	Solyc09g0	2.88
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc04g0	Solyc04g0	3.50
sly01100	Metabolism	Global and Metabolic		0.00	0.00	Solyc03g0	Solyc03g0	5.61

sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc09g0 Solyc09g0	0.37
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc04g0 Solyc04g0	8.55
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc10g0 CHI9	0.28
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc04g0 Solyc04g0	0.40
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	0.22
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc08g0 Solyc08g0	3.48
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc03g0 Solyc03g0	2.33
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc07g0 Solyc07g0	3.93
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc12g0 Solyc12g0	2.97
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc12g0 Solyc12g0	2.20
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	2.40
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	0.35
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	2.47
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	3.62
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc07g0 Solyc07g0	0.49
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc09g0 Solyc09g0	3.61
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc10g0 Solyc10g0	2.91
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc09g0 Solyc09g0	5.85
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc04g0 Solyc04g0	2.89
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc11g0 Solyc11g0	0.50
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	0.32
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc12g0 Solyc12g0	7.81
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc07g0 Solyc07g0	0.48
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc09g0 Solyc09g0	0.47
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	2.31
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc08g0 Solyc08g0	2.18
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc09g0 Solyc09g0	0.36
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	3.54
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc12g0 Solyc12g0	2.10
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	2.01
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc05g0 Solyc05g0	0.27
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc05g0 Solyc05g0	3.22
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc03g0 Solyc03g0	0.18
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	3.06
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	2.54
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc10g0 Solyc10g0	2.23
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc09g0 Solyc09g0	2.71
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc03g0 Solyc03g0	0.22
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc11g0 Solyc11g0	2.07
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	2.56
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc05g0 Solyc05g0	2.50
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	3.53
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	2.33
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	0.06
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc03g0 Solyc03g0	3.84
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	3528.16
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	0.14
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	2.52
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	4235.90
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc03g0 Solyc03g0	5511.05
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	0.15

sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g1 Solyc01g1	2993.63
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc11g0 Solyc11g0	0.38
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	2.01
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc09g0 Solyc09g0	3.57
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	2.25
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g1 Solyc01g1	4.37
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	0.48
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	2.02
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc04g0 Solyc04g0	1711.14
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc03g0 RBCS-2A	2.71
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc10g0 Solyc10g0	2.07
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc08g0 Solyc08g0	2.11
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc08g0 Solyc08g0	2.43
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	2.08
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	0.07
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc09g0 Solyc09g0	25.41
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc05g0 Solyc05g0	2.69
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc07g0 Solyc07g0	2.71
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc03g0 Solyc03g0	2.60
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc03g1 Solyc03g1	6.29
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc09g0 Solyc09g0	2.82
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc07g0 Solyc07g0	0.14
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc04g0 Solyc04g0	15.69
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc04g0 Solyc04g0	39.10
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	0.25
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc03g0 Solyc03g0	0.39
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc12g0 Solyc12g0	0.25
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	15.51
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc09g0 Solyc09g0	3.37
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc11g0 Solyc11g0	5.06
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	13.05
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc11g0 Solyc11g0	45.49
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	0.38
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc03g0 Solyc03g0	0.00
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc08g0 Solyc08g0	0.13
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	574.97
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc08g0 Solyc08g0	5.12
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	550.66
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	2.27
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc04g0 Solyc04g0	32.87
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc12g0 Solyc12g0	4.99
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc12g0 Solyc12g0	6.07
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	8.45
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	13.74
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc10g0 Solyc10g0	0.00
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc03g0 Solyc03g0	0.44
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g1 Solyc01g1	4.58
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc06g0 Solyc06g0	4.49
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc02g0 Solyc02g0	3.52
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc11g0 Solyc11g0	0.43
sly01100	Metabolisr Global and Metabolic	0.00	0.00	Solyc01g0 Solyc01g0	0.03

sly01100	Metabolism Global and Metabolic	0.00	0.00	Solyc07g0 Solyc07g0	2.87
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc07g0 ACO1	2.82
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc04g0 Solyc04g0	6.11
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc03g0 Solyc03g0	4.05
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc10g0 Solyc10g0	4.26
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc04g0 Solyc04g0	6.77
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc09g0 Solyc09g0	6.99
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc07g0 Solyc07g0	0.35
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc02g0 Solyc02g0	0.08
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc05g0 Solyc05g0	0.06
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc01g0 Solyc01g0	2.46
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc11g0 Solyc11g0	0.28
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc09g0 Solyc09g0	0.06
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc05g0 Solyc05g0	2.80
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc06g0 Solyc06g0	2.22
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc04g0 Solyc04g0	2.62
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc04g0 Solyc04g0	0.35
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc11g0 AOS2	3.20
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc01g1 Solyc01g1	4.98
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc03g1 Solyc03g1	2.44
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc04g0 Solyc04g0	3.78
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc09g0 Solyc09g0	2.88
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc04g0 Solyc04g0	3.50
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc03g0 Solyc03g0	5.61
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc09g0 Solyc09g0	0.37
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc01g0 Solyc01g0	0.22
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc08g0 Solyc08g0	3.48
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc07g0 Solyc07g0	3.93
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc12g0 Solyc12g0	2.20
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc07g0 Solyc07g0	0.49
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc04g0 Solyc04g0	2.89
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc11g0 Solyc11g0	0.50
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc12g0 Solyc12g0	7.81
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc07g0 Solyc07g0	0.48
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc09g0 Solyc09g0	0.47
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc07g0 Solyc07g0	2.20
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc09g0 Solyc09g0	0.36
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc01g0 Solyc01g0	3.54
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc06g0 Solyc06g0	2.01
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc05g0 Solyc05g0	3.22
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc03g0 Solyc03g0	0.18
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc02g0 Solyc02g0	3.06
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc10g0 Solyc10g0	2.23
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc09g0 Solyc09g0	2.71
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc02g0 Solyc02g0	2.56
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc05g0 Solyc05g0	2.50
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc06g0 Solyc06g0	2.33
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc01g0 Solyc01g0	3528.16
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc01g0 Solyc01g0	2.52
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc03g0 Solyc03g0	5511.05
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc11g0 Solyc11g0	3.46

sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc01g1	Solyc01g1	2993.63
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc11g0	Solyc11g0	0.38
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc09g0	Solyc09g0	3.57
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc06g0	Solyc06g0	2.25
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc01g1	Solyc01g1	4.37
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc02g0	Solyc02g0	0.48
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc04g0	Solyc04g0	1711.14
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc03g0	RBCS-2A	2.71
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc08g0	Solyc08g0	2.11
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc07g0	Solyc07g0	29.42
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc06g0	Solyc06g0	2.08
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc02g0	Solyc02g0	0.07
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc09g0	Solyc09g0	25.41
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc12g1	Solyc12g1	0.00
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc05g0	Solyc05g0	2.69
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc07g0	Solyc07g0	2.71
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc04g0	Solyc04g0	1523.79
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc03g1	Solyc03g1	6.29
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc09g0	Solyc09g0	2.82
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc04g0	Solyc04g0	15.69
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc04g0	Solyc04g0	39.10
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc06g0	Solyc06g0	0.25
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc03g0	Solyc03g0	0.39
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc09g0	Solyc09g0	3.37
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc11g0	Solyc11g0	5.06
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc06g0	Solyc06g0	0.38
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc03g0	Solyc03g0	0.00
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc02g0	Solyc02g0	574.97
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc08g0	Solyc08g0	5.12
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc04g0	Solyc04g0	32.87
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc12g0	Solyc12g0	6.07
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc02g0	Solyc02g0	8.45
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc10g0	Solyc10g0	0.00
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc02g0	Solyc02g0	3.52
sly01110	Metabolism Global and Biosynthesis	0.00	0.00	Solyc07g0	Solyc07g0	2.87
sly00073	Metabolism Lipid meta Cutin, sub	0.00	0.00	Solyc07g0	Solyc07g0	0.32
sly00073	Metabolism Lipid meta Cutin, sub	0.00	0.00	Solyc06g0	Solyc06g0	2.15
sly00073	Metabolism Lipid meta Cutin, sub	0.00	0.00	Solyc01g0	Solyc01g0	6.67
sly00073	Metabolism Lipid meta Cutin, sub	0.00	0.00	Solyc12g1	Solyc12g1	0.00
sly00073	Metabolism Lipid meta Cutin, sub	0.00	0.00	Solyc01g0	Solyc01g0	13.05
sly00073	Metabolism Lipid meta Cutin, sub	0.00	0.00	Solyc03g0	Solyc03g0	2.51
sly00073	Metabolism Lipid meta Cutin, sub	0.00	0.00	Solyc01g0	Solyc01g0	1566.92
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.01	Solyc02g0	Solyc02g0	0.08
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.01	Solyc05g0	Solyc05g0	0.06
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.01	Solyc11g0	Solyc11g0	0.28
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.01	Solyc09g0	Solyc09g0	0.06
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.01	Solyc03g1	Solyc03g1	2.44
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.01	Solyc07g0	Solyc07g0	0.49
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.01	Solyc01g0	Solyc01g0	3528.16
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.01	Solyc01g0	Solyc01g0	2.52
sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.01	Solyc07g0	Solyc07g0	2.71

sly00941	Metabolism Biosynthesis Flavonoid	0.00	0.01 Solyc10g0 Solyc10g0	0.00
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc10g0 Solyc10g0	4.26
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc02g0 Solyc02g0	11.82
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc06g0 Solyc06g0	2.22
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc03g1 Solyc03g1	2.44
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc07g0 Solyc07g0	0.49
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc03g0 Solyc03g0	0.18
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc12g0 Solyc12g0	4.01
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc01g0 Solyc01g0	3528.16
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc01g0 Solyc01g0	2.52
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc03g0 Solyc03g0	5511.05
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc06g0 Solyc06g0	2.25
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc01g1 Solyc01g1	4.37
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc02g0 Solyc02g0	0.07
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc07g0 Solyc07g0	2.71
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc09g0 Solyc09g0	2.82
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc06g0 Solyc06g0	0.25
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc03g0 Solyc03g0	0.39
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc10g0 Solyc10g0	0.00
sly00940	Metabolism Biosynthesis Phenylpro	0.00	0.01 Solyc07g0 Solyc07g0	2.87
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc07g0 Solyc07g0	0.35
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc01g0 Solyc01g0	2.62
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc01g0 Solyc01g0	2.46
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc01g1 Solyc01g1	4.98
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc09g0 Solyc09g0	2.88
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc04g0 Solyc04g0	8.55
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc08g0 Solyc08g0	3.48
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc07g0 Solyc07g0	3.93
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc01g0 Solyc01g0	3.54
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc06g0 Solyc06g0	2.01
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc05g0 Solyc05g0	3.22
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc10g0 Solyc10g0	2.23
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc02g0 Solyc02g0	2.01
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc03g0 RBCS-2A	2.71
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc08g0 Solyc08g0	2.43
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc09g0 Solyc09g0	25.41
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc03g1 Solyc03g1	6.29
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc04g0 Solyc04g0	39.10
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc02g0 Solyc02g0	2.27
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc04g0 Solyc04g0	32.87
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc03g0 Solyc03g0	0.44
sly01200	Metabolism Global and Carbon me	0.01	0.09 Solyc02g0 Solyc02g0	3.52
sly00603	Metabolism Glycan bic Glycosphir	0.01	0.13 Solyc01g0 Solyc01g0	2.01
sly00603	Metabolism Glycan bic Glycosphir	0.01	0.13 Solyc06g0 Solyc06g0	3.62
sly00603	Metabolism Glycan bic Glycosphir	0.01	0.13 Solyc03g0 Solyc03g0	3.84
sly00250	Metabolism Amino aci Alanine, as	0.01	0.13 Solyc04g0 Solyc04g0	6.77
sly00250	Metabolism Amino aci Alanine, as	0.01	0.13 Solyc04g0 Solyc04g0	0.40
sly00250	Metabolism Amino aci Alanine, as	0.01	0.13 Solyc11g0 Solyc11g0	0.50
sly00250	Metabolism Amino aci Alanine, as	0.01	0.13 Solyc01g1 Solyc01g1	2993.63
sly00250	Metabolism Amino aci Alanine, as	0.01	0.13 Solyc04g0 Solyc04g0	1711.14
sly00250	Metabolism Amino aci Alanine, as	0.01	0.13 Solyc01g0 Solyc01g0	550.66

sly00250	Metabolism Amino acid Alanine, as	0.01	0.13 Solyc03g0 Solyc03g0	0.44
sly00710	Metabolism Energy me Carbon fix	0.01	0.13 Solyc04g0 Solyc04g0	8.55
sly00710	Metabolism Energy me Carbon fix	0.01	0.13 Solyc01g0 Solyc01g0	3.54
sly00710	Metabolism Energy me Carbon fix	0.01	0.13 Solyc10g0 Solyc10g0	2.23
sly00710	Metabolism Energy me Carbon fix	0.01	0.13 Solyc03g0 RBCS-2A	2.71
sly00710	Metabolism Energy me Carbon fix	0.01	0.13 Solyc08g0 Solyc08g0	2.43
sly00710	Metabolism Energy me Carbon fix	0.01	0.13 Solyc09g0 Solyc09g0	25.41
sly00710	Metabolism Energy me Carbon fix	0.01	0.13 Solyc02g0 Solyc02g0	2.27
sly00710	Metabolism Energy me Carbon fix	0.01	0.13 Solyc02g0 Solyc02g0	3.52
sly00196	Metabolism Energy me Photosynth	0.02	0.19 Solyc09g0 Solyc09g0	5.85
sly00196	Metabolism Energy me Photosynth	0.02	0.19 Solyc10g0 Solyc10g0	2.07
sly00196	Metabolism Energy me Photosynth	0.02	0.19 Solyc03g0 Solyc03g0	2.60
sly00196	Metabolism Energy me Photosynth	0.02	0.19 Solyc12g0 Solyc12g0	0.25
sly00945	Metabolism Biosynthesis Stilbenoid,	0.02	0.20 Solyc03g1 Solyc03g1	2.44
sly00945	Metabolism Biosynthesis Stilbenoid,	0.02	0.20 Solyc07g0 Solyc07g0	0.49
sly00945	Metabolism Biosynthesis Stilbenoid,	0.02	0.20 Solyc01g0 Solyc01g0	3528.16
sly00945	Metabolism Biosynthesis Stilbenoid,	0.02	0.20 Solyc01g0 Solyc01g0	2.52
sly00945	Metabolism Biosynthesis Stilbenoid,	0.02	0.20 Solyc07g0 Solyc07g0	2.71
sly00945	Metabolism Biosynthesis Stilbenoid,	0.02	0.20 Solyc10g0 Solyc10g0	0.00
sly00910	Metabolism Energy me Nitrogen n	0.03	0.21 Solyc04g0 Solyc04g0	0.40
sly00910	Metabolism Energy me Nitrogen n	0.03	0.21 Solyc01g0 Solyc01g0	550.66
sly00910	Metabolism Energy me Nitrogen n	0.03	0.21 Solyc03g0 Solyc03g0	0.44
sly00910	Metabolism Energy me Nitrogen n	0.03	0.21 Solyc01g1 Solyc01g1	4.58
sly00630	Metabolism Carbohydr Glyoxylate	0.03	0.22 Solyc01g1 Solyc01g1	4.98
sly00630	Metabolism Carbohydr Glyoxylate	0.03	0.22 Solyc04g0 Solyc04g0	0.40
sly00630	Metabolism Carbohydr Glyoxylate	0.03	0.22 Solyc07g0 Solyc07g0	3.93
sly00630	Metabolism Carbohydr Glyoxylate	0.03	0.22 Solyc06g0 Solyc06g0	2.01
sly00630	Metabolism Carbohydr Glyoxylate	0.03	0.22 Solyc05g0 Solyc05g0	3.22
sly00630	Metabolism Carbohydr Glyoxylate	0.03	0.22 Solyc03g0 RBCS-2A	2.71
sly00630	Metabolism Carbohydr Glyoxylate	0.03	0.22 Solyc03g1 Solyc03g1	6.29
sly00630	Metabolism Carbohydr Glyoxylate	0.03	0.22 Solyc01g0 Solyc01g0	550.66
sly00430	Metabolism Metabolism Taurine an	0.04	0.25 Solyc11g0 Solyc11g0	0.50
sly00430	Metabolism Metabolism Taurine an	0.04	0.25 Solyc04g0 Solyc04g0	1711.14
sly00902	Metabolism Metabolism Monoterpe	0.04	0.25 Solyc11g0 Solyc11g0	3.46
sly00902	Metabolism Metabolism Monoterpe	0.04	0.25 Solyc11g0 Solyc11g0	5.06
sly00600	Metabolism Lipid meta Sphingolip	0.06	0.35 Solyc03g0 Solyc03g0	2.33
sly00600	Metabolism Lipid meta Sphingolip	0.06	0.35 Solyc06g0 Solyc06g0	3.62
sly00600	Metabolism Lipid meta Sphingolip	0.06	0.35 Solyc03g0 Solyc03g0	3.84
sly04016	Environment Signal transduction MAPK sig	0.06	0.35 Solyc07g0 Solyc07g0	2.29
sly04016	Environment Signal transduction MAPK sig	0.06	0.35 Solyc10g0 CHI9	0.28
sly04016	Environment Signal transduction MAPK sig	0.06	0.35 Solyc09g0 Solyc09g0	0.27
sly04016	Environment Signal transduction MAPK sig	0.06	0.35 Solyc07g0 Solyc07g0	2.15
sly04016	Environment Signal transduction MAPK sig	0.06	0.35 Solyc03g1 Solyc03g1	0.48
sly04016	Environment Signal transduction MAPK sig	0.06	0.35 Solyc08g0 Solyc08g0	2.67
sly04016	Environment Signal transduction MAPK sig	0.06	0.35 Solyc09g0 Solyc09g0	0.25
sly04016	Environment Signal transduction MAPK sig	0.06	0.35 Solyc01g0 Solyc01g0	3.53
sly04016	Environment Signal transduction MAPK sig	0.06	0.35 Solyc04g0 Solyc04g0	0.46
sly04016	Environment Signal transduction MAPK sig	0.06	0.35 Solyc01g0 Solyc01g0	0.42
sly04016	Environment Signal transduction MAPK sig	0.06	0.35 Solyc08g0 Solyc08g0	4.19
sly04016	Environment Signal transduction MAPK sig	0.06	0.35 Solyc07g0 Solyc07g0	2.88
sly04016	Environment Signal transduction MAPK sig	0.06	0.35 Solyc04g0 Solyc04g0	732.58

sly00130	Metabolisr Metabolisr Ubiquinon	0.07	0.40	Solyc03g0	Solyc03g0	5.61
sly00130	Metabolisr Metabolisr Ubiquinon	0.07	0.40	Solyc12g0	Solyc12g0	2.20
sly00130	Metabolisr Metabolisr Ubiquinon	0.07	0.40	Solyc03g0	Solyc03g0	0.18
sly00130	Metabolisr Metabolisr Ubiquinon	0.07	0.40	Solyc05g0	Solyc05g0	2.69
sly00130	Metabolisr Metabolisr Ubiquinon	0.07	0.40	Solyc03g0	Solyc03g0	0.00
sly00030	Metabolisr Carbohydr Pentose ph	0.10	0.47	Solyc08g0	Solyc08g0	3.48
sly00030	Metabolisr Carbohydr Pentose ph	0.10	0.47	Solyc01g0	Solyc01g0	3.54
sly00030	Metabolisr Carbohydr Pentose ph	0.10	0.47	Solyc10g0	Solyc10g0	2.23
sly00030	Metabolisr Carbohydr Pentose ph	0.10	0.47	Solyc09g0	Solyc09g0	25.41
sly00030	Metabolisr Carbohydr Pentose ph	0.10	0.47	Solyc02g0	Solyc02g0	3.52
sly04712	Organisma Environme Circadian r	0.10	0.47	Solyc05g0	Solyc05g0	0.06
sly04712	Organisma Environme Circadian r	0.10	0.47	Solyc09g0	Solyc09g0	0.06
sly04712	Organisma Environme Circadian r	0.10	0.47	Solyc09g0	Solyc09g0	0.40
sly04712	Organisma Environme Circadian r	0.10	0.47	Solyc12g0	Solyc12g0	2.29
sly00020	Metabolisr Carbohydr Citrate cyc	0.10	0.47	Solyc05g0	Solyc05g0	2.80
sly00020	Metabolisr Carbohydr Citrate cyc	0.10	0.47	Solyc07g0	Solyc07g0	3.93
sly00020	Metabolisr Carbohydr Citrate cyc	0.10	0.47	Solyc12g0	Solyc12g0	7.81
sly00020	Metabolisr Carbohydr Citrate cyc	0.10	0.47	Solyc05g0	Solyc05g0	3.22
sly00020	Metabolisr Carbohydr Citrate cyc	0.10	0.47	Solyc04g0	Solyc04g0	39.10
sly00020	Metabolisr Carbohydr Citrate cyc	0.10	0.47	Solyc04g0	Solyc04g0	32.87
sly00053	Metabolisr Carbohydr Ascorbate	0.11	0.49	Solyc12g0	Solyc12g0	0.25
sly00053	Metabolisr Carbohydr Ascorbate	0.11	0.49	Solyc09g0	Solyc09g0	0.37
sly00053	Metabolisr Carbohydr Ascorbate	0.11	0.49	Solyc01g0	Solyc01g0	0.22
sly00053	Metabolisr Carbohydr Ascorbate	0.11	0.49	Solyc02g0	Solyc02g0	2.54
sly00053	Metabolisr Carbohydr Ascorbate	0.11	0.49	Solyc01g0	Solyc01g0	0.06
sly00053	Metabolisr Carbohydr Ascorbate	0.11	0.49	Solyc11g0	Solyc11g0	0.43
sly00531	Metabolisr Glycan bic Glycosami	0.11	0.49	Solyc01g0	Solyc01g0	2.01
sly00531	Metabolisr Glycan bic Glycosami	0.11	0.49	Solyc06g0	Solyc06g0	2.47
sly00410	Metabolisr Metabolisr beta-Alani	0.12	0.49	Solyc01g0	Solyc01g0	0.22
sly00410	Metabolisr Metabolisr beta-Alani	0.12	0.49	Solyc11g0	Solyc11g0	0.50
sly00410	Metabolisr Metabolisr beta-Alani	0.12	0.49	Solyc02g0	Solyc02g0	2.01
sly00410	Metabolisr Metabolisr beta-Alani	0.12	0.49	Solyc04g0	Solyc04g0	1711.14
sly00410	Metabolisr Metabolisr beta-Alani	0.12	0.49	Solyc01g0	Solyc01g0	0.03
sly00240	Metabolisr Nucleotide Pyrimidine	0.13	0.52	Solyc02g0	Solyc02g0	3.08
sly00240	Metabolisr Nucleotide Pyrimidine	0.13	0.52	Solyc05g0	Solyc05g0	4.45
sly00240	Metabolisr Nucleotide Pyrimidine	0.13	0.52	Solyc01g0	Solyc01g0	0.32
sly00240	Metabolisr Nucleotide Pyrimidine	0.13	0.52	Solyc01g0	Solyc01g0	2.02
sly00240	Metabolisr Nucleotide Pyrimidine	0.13	0.52	Solyc06g0	Solyc06g0	0.38
sly00750	Metabolisr Metabolisr Vitamin B	0.14	0.53	Solyc03g1	Solyc03g1	2.22
sly00750	Metabolisr Metabolisr Vitamin B	0.14	0.53	Solyc06g0	Solyc06g0	0.14
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.53	Solyc07g0	Solyc07g0	0.35
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.53	Solyc09g0	Solyc09g0	2.88
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.53	Solyc01g0	Solyc01g0	0.22
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.53	Solyc08g0	Solyc08g0	3.48
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.53	Solyc05g0	Solyc05g0	3.22
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.53	Solyc10g0	Solyc10g0	2.23
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.53	Solyc09g0	Solyc09g0	25.41
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.53	Solyc04g0	Solyc04g0	15.69
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.53	Solyc08g0	Solyc08g0	5.12
sly00010	Metabolisr Carbohydr Glycolysis	0.15	0.53	Solyc02g0	Solyc02g0	3.52
sly00564	Metabolisr Lipid meta Glyceroph	0.15	0.53	Solyc06g0	Solyc06g0	0.26

sly00564	Metabolisr Lipid meta Glyceroph	0.15	0.53	Solyc09g0	Solyc09g0	0.47
sly00564	Metabolisr Lipid meta Glyceroph	0.15	0.53	Solyc11g0	Solyc11g0	0.38
sly00564	Metabolisr Lipid meta Glyceroph	0.15	0.53	Solyc09g0	Solyc09g0	3.57
sly00564	Metabolisr Lipid meta Glyceroph	0.15	0.53	Solyc06g0	Solyc06g0	2.08
sly00564	Metabolisr Lipid meta Glyceroph	0.15	0.53	Solyc04g0	Solyc04g0	1523.79
sly00564	Metabolisr Lipid meta Glyceroph	0.15	0.53	Solyc09g0	Solyc09g0	3.37
sly00604	Metabolisr Glycan bic Glycosphii	0.16	0.56	Solyc01g0	Solyc01g0	2.01
sly00460	Metabolisr Metabolisr Cyanoamir	0.17	0.56	Solyc04g0	Solyc04g0	6.77
sly00460	Metabolisr Metabolisr Cyanoamir	0.17	0.56	Solyc01g0	Solyc01g0	2.46
sly00460	Metabolisr Metabolisr Cyanoamir	0.17	0.56	Solyc06g0	Solyc06g0	2.25
sly00380	Metabolisr Amino aci Tryptopha	0.18	0.56	Solyc01g0	Solyc01g0	0.22
sly00380	Metabolisr Amino aci Tryptopha	0.18	0.56	Solyc05g0	Solyc05g0	3.22
sly00380	Metabolisr Amino aci Tryptopha	0.18	0.56	Solyc06g0	Solyc06g0	3.53
sly00380	Metabolisr Amino aci Tryptopha	0.18	0.56	Solyc03g0	Solyc03g0	0.39
sly00561	Metabolisr Lipid meta Glycerolip	0.18	0.56	Solyc01g0	Solyc01g0	0.22
sly00561	Metabolisr Lipid meta Glycerolip	0.18	0.56	Solyc06g0	Solyc06g0	3.62
sly00561	Metabolisr Lipid meta Glycerolip	0.18	0.56	Solyc03g0	Solyc03g0	3.84
sly00561	Metabolisr Lipid meta Glycerolip	0.18	0.56	Solyc11g0	Solyc11g0	0.38
sly00561	Metabolisr Lipid meta Glycerolip	0.18	0.56	Solyc04g0	Solyc04g0	1523.79
sly00561	Metabolisr Lipid meta Glycerolip	0.18	0.56	Solyc09g0	Solyc09g0	3.37
sly04075	Environme Signal tranPlant horm	0.20	0.60	Solyc07g0	Solyc07g0	2.29
sly04075	Environme Signal tranPlant horm	0.20	0.60	Solyc01g0	Solyc01g0	2.26
sly04075	Environme Signal tranPlant horm	0.20	0.60	Solyc07g0	Solyc07g0	6.62
sly04075	Environme Signal tranPlant horm	0.20	0.60	Solyc09g0	Solyc09g0	0.27
sly04075	Environme Signal tranPlant horm	0.20	0.60	Solyc08g0	Solyc08g0	0.20
sly04075	Environme Signal tranPlant horm	0.20	0.60	Solyc07g0	Solyc07g0	8.01
sly04075	Environme Signal tranPlant horm	0.20	0.60	Solyc09g0	Solyc09g0	0.25
sly04075	Environme Signal tranPlant horm	0.20	0.60	Solyc12g0	Solyc12g0	3.08
sly04075	Environme Signal tranPlant horm	0.20	0.60	Solyc01g1	Solyc01g1	0.20
sly04075	Environme Signal tranPlant horm	0.20	0.60	Solyc06g0	Solyc06g0	4013.78
sly04075	Environme Signal tranPlant horm	0.20	0.60	Solyc06g0	Solyc06g0	0.45
sly04075	Environme Signal tranPlant horm	0.20	0.60	Solyc01g0	Solyc01g0	0.42
sly04075	Environme Signal tranPlant horm	0.20	0.60	Solyc03g1	Solyc03g1	0.32
sly04075	Environme Signal tranPlant horm	0.20	0.60	Solyc04g0	Solyc04g0	732.58
sly04075	Environme Signal tranPlant horm	0.20	0.60	Solyc09g0	Solyc09g0	0.22
sly04626	Organisma Environme Plant-pathc	0.21	0.60	Solyc04g0	Solyc04g0	0.35
sly04626	Organisma Environme Plant-pathc	0.21	0.60	Solyc03g1	Solyc03g1	8.55
sly04626	Organisma Environme Plant-pathc	0.21	0.60	Solyc01g0	Solyc01g0	0.34
sly04626	Organisma Environme Plant-pathc	0.21	0.60	Solyc11g0	Solyc11g0	0.24
sly04626	Organisma Environme Plant-pathc	0.21	0.60	Solyc03g1	Solyc03g1	0.48
sly04626	Organisma Environme Plant-pathc	0.21	0.60	Solyc01g0	Solyc01g0	3.53
sly04626	Organisma Environme Plant-pathc	0.21	0.60	Solyc11g0	Solyc11g0	2.24
sly04626	Organisma Environme Plant-pathc	0.21	0.60	Solyc04g0	Solyc04g0	0.46
sly04626	Organisma Environme Plant-pathc	0.21	0.60	Solyc08g0	Solyc08g0	0.42
sly04626	Organisma Environme Plant-pathc	0.21	0.60	Solyc01g0	Solyc01g0	5.28
sly04626	Organisma Environme Plant-pathc	0.21	0.60	Solyc03g0	Solyc03g0	2638.78
sly04626	Organisma Environme Plant-pathc	0.21	0.60	Solyc01g0	Solyc01g0	0.00
sly04626	Organisma Environme Plant-pathc	0.21	0.60	Solyc06g0	PTI6	0.43
sly00650	Metabolisr Carbohydr Butanoate	0.22	0.60	Solyc03g0	Solyc03g0	4.05
sly00650	Metabolisr Carbohydr Butanoate	0.22	0.60	Solyc11g0	Solyc11g0	0.50
sly00650	Metabolisr Carbohydr Butanoate	0.22	0.60	Solyc04g0	Solyc04g0	1711.14

sly00220	Metabolisr Amino aci Arginine b	0.22	0.60	Solyc04g0	Solyc04g0	0.40
sly00220	Metabolisr Amino aci Arginine b	0.22	0.60	Solyc01g0	Solyc01g0	550.66
sly00220	Metabolisr Amino aci Arginine b	0.22	0.60	Solyc03g0	Solyc03g0	0.44
sly01240	Metabolisr Global and Biosynthes	0.22	0.60	Solyc01g0	Solyc01g0	2.62
sly01240	Metabolisr Global and Biosynthes	0.22	0.60	Solyc02g0	Solyc02g0	3.08
sly01240	Metabolisr Global and Biosynthes	0.22	0.60	Solyc12g0	Solyc12g0	0.25
sly01240	Metabolisr Global and Biosynthes	0.22	0.60	Solyc04g0	Solyc04g0	3.78
sly01240	Metabolisr Global and Biosynthes	0.22	0.60	Solyc09g0	Solyc09g0	2.88
sly01240	Metabolisr Global and Biosynthes	0.22	0.60	Solyc03g0	Solyc03g0	5.61
sly01240	Metabolisr Global and Biosynthes	0.22	0.60	Solyc09g0	Solyc09g0	0.37
sly01240	Metabolisr Global and Biosynthes	0.22	0.60	Solyc01g0	Solyc01g0	0.22
sly01240	Metabolisr Global and Biosynthes	0.22	0.60	Solyc12g0	Solyc12g0	2.20
sly01240	Metabolisr Global and Biosynthes	0.22	0.60	Solyc01g0	Solyc01g0	0.32
sly01240	Metabolisr Global and Biosynthes	0.22	0.60	Solyc05g0	Solyc05g0	3.22
sly01240	Metabolisr Global and Biosynthes	0.22	0.60	Solyc06g0	Solyc06g0	0.14
sly01240	Metabolisr Global and Biosynthes	0.22	0.60	Solyc08g0	Solyc08g0	2.11
sly01240	Metabolisr Global and Biosynthes	0.22	0.60	Solyc05g0	Solyc05g0	2.69
sly01240	Metabolisr Global and Biosynthes	0.22	0.60	Solyc03g0	Solyc03g0	0.00
sly01240	Metabolisr Global and Biosynthes	0.22	0.60	Solyc07g0	Solyc07g0	2.40
sly00965	Metabolisr Biosynthes Betalain bi	0.23	0.60	Solyc01g0	Solyc01g0	0.12
sly01040	Metabolisr Lipid meta Biosynthes	0.24	0.60	Solyc01g0	Solyc01g0	0.09
sly01040	Metabolisr Lipid meta Biosynthes	0.24	0.60	Solyc11g0	Solyc11g0	3.25
sly00071	Metabolisr Lipid meta Fatty acid	0.24	0.60	Solyc01g0	Solyc01g0	0.22
sly00071	Metabolisr Lipid meta Fatty acid	0.24	0.60	Solyc04g0	Solyc04g0	15.69
sly00071	Metabolisr Lipid meta Fatty acid	0.24	0.60	Solyc08g0	Solyc08g0	5.12
sly00500	Metabolisr Carbohydr Starch and	0.29	0.71	Solyc04g0	Solyc04g0	2.89
sly00500	Metabolisr Carbohydr Starch and	0.29	0.71	Solyc07g0	Solyc07g0	0.48
sly00500	Metabolisr Carbohydr Starch and	0.29	0.71	Solyc08g0	Solyc08g0	2.18
sly00500	Metabolisr Carbohydr Starch and	0.29	0.71	Solyc05g0	Solyc05g0	0.27
sly00500	Metabolisr Carbohydr Starch and	0.29	0.71	Solyc09g0	Solyc09g0	2.71
sly00500	Metabolisr Carbohydr Starch and	0.29	0.71	Solyc05g0	Solyc05g0	2.50
sly00500	Metabolisr Carbohydr Starch and	0.29	0.71	Solyc06g0	Solyc06g0	2.25
sly00660	Metabolisr Carbohydr C5-Branch	0.30	0.72	Solyc03g0	Solyc03g0	4.05
sly00740	Metabolisr Metabolisr Riboflavin	0.31	0.72	Solyc03g0	Solyc03g0	0.22
sly00740	Metabolisr Metabolisr Riboflavin	0.31	0.72	Solyc08g0	Solyc08g0	2.11
sly00640	Metabolisr Carbohydr Propanoate	0.31	0.72	Solyc04g0	Solyc04g0	6.11
sly00640	Metabolisr Carbohydr Propanoate	0.31	0.72	Solyc05g0	Solyc05g0	3.22
sly00640	Metabolisr Carbohydr Propanoate	0.31	0.72	Solyc02g0	Solyc02g0	2.01
sly00280	Metabolisr Amino aci Valine, leu	0.33	0.74	Solyc04g0	Solyc04g0	6.11
sly00280	Metabolisr Amino aci Valine, leu	0.33	0.74	Solyc01g0	Solyc01g0	0.22
sly00280	Metabolisr Amino aci Valine, leu	0.33	0.74	Solyc05g0	Solyc05g0	3.22
sly00280	Metabolisr Amino aci Valine, leu	0.33	0.74	Solyc02g0	Solyc02g0	2.01
sly00051	Metabolisr Carbohydr Fructose al	0.34	0.74	Solyc08g0	Solyc08g0	3.48
sly00051	Metabolisr Carbohydr Fructose al	0.34	0.74	Solyc10g0	Solyc10g0	2.91
sly00051	Metabolisr Carbohydr Fructose al	0.34	0.74	Solyc10g0	Solyc10g0	2.23
sly00051	Metabolisr Carbohydr Fructose al	0.34	0.74	Solyc09g0	Solyc09g0	25.41
sly00051	Metabolisr Carbohydr Fructose al	0.34	0.74	Solyc02g0	Solyc02g0	3.52
sly00310	Metabolisr Amino aci Lysine deg	0.40	0.85	Solyc01g0	Solyc01g0	0.22
sly00310	Metabolisr Amino aci Lysine deg	0.40	0.85	Solyc05g0	Solyc05g0	3.22
sly00904	Metabolisr Metabolisr Diterpenoi	0.40	0.85	Solyc07g0	Solyc07g0	2.20
sly00904	Metabolisr Metabolisr Diterpenoi	0.40	0.85	Solyc07g0	Solyc07g0	29.42

sly00511	Metabolisr Glycan bic Other glyco	0.41	0.85	Solyc01g0	Solyc01g0	2.01
sly00052	Metabolisr Carbohydr Galactose 1	0.46	0.89	Solyc08g0	Solyc08g0	3.48
sly00052	Metabolisr Carbohydr Galactose 1	0.46	0.89	Solyc06g0	Solyc06g0	3.62
sly00052	Metabolisr Carbohydr Galactose 1	0.46	0.89	Solyc03g0	Solyc03g0	3.84
sly00591	Metabolisr Lipid meta Linoleic ac	0.46	0.89	Solyc08g0	LOX1.1	2.60
sly00903	Metabolisr Metabolisr Limonene	0.46	0.89	Solyc01g0	Solyc01g0	0.22
sly00905	Metabolisr Metabolisr Brassinost	0.46	0.89	Solyc02g0	Solyc02g0	0.48
sly00260	Metabolisr Amino aci Glycine, se	0.49	0.91	Solyc07g0	Solyc07g0	0.35
sly00260	Metabolisr Amino aci Glycine, se	0.49	0.91	Solyc01g1	Solyc01g1	4.98
sly00260	Metabolisr Amino aci Glycine, se	0.49	0.91	Solyc06g0	Solyc06g0	2.01
sly00260	Metabolisr Amino aci Glycine, se	0.49	0.91	Solyc05g0	Solyc05g0	3.22
sly01230	Metabolisr Global and Biosynthes	0.49	0.91	Solyc03g0	Solyc03g0	4.05
sly01230	Metabolisr Global and Biosynthes	0.49	0.91	Solyc07g0	Solyc07g0	0.35
sly01230	Metabolisr Global and Biosynthes	0.49	0.91	Solyc01g0	Solyc01g0	2.46
sly01230	Metabolisr Global and Biosynthes	0.49	0.91	Solyc09g0	Solyc09g0	2.88
sly01230	Metabolisr Global and Biosynthes	0.49	0.91	Solyc04g0	Solyc04g0	0.40
sly01230	Metabolisr Global and Biosynthes	0.49	0.91	Solyc08g0	Solyc08g0	3.48
sly01230	Metabolisr Global and Biosynthes	0.49	0.91	Solyc07g0	Solyc07g0	3.93
sly01230	Metabolisr Global and Biosynthes	0.49	0.91	Solyc01g0	Solyc01g0	3.54
sly01230	Metabolisr Global and Biosynthes	0.49	0.91	Solyc02g0	Solyc02g0	574.97
sly01230	Metabolisr Global and Biosynthes	0.49	0.91	Solyc01g0	Solyc01g0	550.66
sly01230	Metabolisr Global and Biosynthes	0.49	0.91	Solyc02g0	Solyc02g0	3.52
sly00563	Metabolisr Glycan bic Glycosylpl	0.51	0.92	Solyc01g0	Solyc01g0	0.35
sly00592	Metabolisr Lipid meta alpha-Lino	0.57	0.97	Solyc11g0	AOS2	3.20
sly00592	Metabolisr Lipid meta alpha-Lino	0.57	0.97	Solyc04g0	Solyc04g0	15.69
sly00520	Metabolisr Carbohydr Amino sug	0.57	0.97	Solyc01g1	Solyc01g1	4.83
sly00520	Metabolisr Carbohydr Amino sug	0.57	0.97	Solyc12g0	Solyc12g0	0.25
sly00520	Metabolisr Carbohydr Amino sug	0.57	0.97	Solyc01g0	Solyc01g0	2.01
sly00520	Metabolisr Carbohydr Amino sug	0.57	0.97	Solyc09g0	Solyc09g0	0.37
sly00520	Metabolisr Carbohydr Amino sug	0.57	0.97	Solyc10g0	CHI9	0.28
sly00520	Metabolisr Carbohydr Amino sug	0.57	0.97	Solyc07g0	Solyc07g0	0.14
sly00520	Metabolisr Carbohydr Amino sug	0.57	0.97	Solyc06g0	Solyc06g0	13.74
sly00340	Metabolisr Amino aci Histidine n	0.59	0.97	Solyc01g0	Solyc01g0	0.22
sly00565	Metabolisr Lipid meta Ether lipid	0.59	0.97	Solyc09g0	Solyc09g0	0.47
sly00770	Metabolisr Metabolisr Pantothena	0.60	0.97	Solyc03g0	Solyc03g0	4.05
sly00770	Metabolisr Metabolisr Pantothena	0.60	0.97	Solyc01g0	Solyc01g0	0.22
sly00860	Metabolisr Metabolisr Porphyrin	0.60	0.97	Solyc04g0	Solyc04g0	3.78
sly00860	Metabolisr Metabolisr Porphyrin	0.60	0.97	Solyc09g0	Solyc09g0	0.36
sly00860	Metabolisr Metabolisr Porphyrin	0.60	0.97	Solyc12g0	Solyc12g0	6.07
sly00330	Metabolisr Amino aci Arginine a	0.62	0.97	Solyc01g0	Solyc01g0	0.22
sly00330	Metabolisr Amino aci Arginine a	0.62	0.97	Solyc02g0	Solyc02g0	3.06
sly00330	Metabolisr Amino aci Arginine a	0.62	0.97	Solyc01g0	Solyc01g0	0.03
sly00760	Metabolisr Metabolisr Nicotinate	0.63	0.97	Solyc06g0	Solyc06g0	0.38
sly00790	Metabolisr Metabolisr Folate bios	0.63	0.97	Solyc07g0	Solyc07g0	2.40
sly00620	Metabolisr Carbohydr Pyruvate n	0.65	0.97	Solyc09g0	Solyc09g0	2.88
sly00620	Metabolisr Carbohydr Pyruvate n	0.65	0.97	Solyc01g0	Solyc01g0	0.22
sly00620	Metabolisr Carbohydr Pyruvate n	0.65	0.97	Solyc05g0	Solyc05g0	3.22
sly00620	Metabolisr Carbohydr Pyruvate n	0.65	0.97	Solyc03g1	Solyc03g1	6.29
sly00290	Metabolisr Amino aci Valine, leu	0.66	0.97	Solyc03g0	Solyc03g0	4.05
sly00350	Metabolisr Amino aci Tyrosine n	0.66	0.97	Solyc04g0	Solyc04g0	15.69
sly00350	Metabolisr Amino aci Tyrosine n	0.66	0.97	Solyc08g0	Solyc08g0	5.12

sly00190	Metabolism Energy me Oxidative	0.68	0.97 Solyc12g0 Solyc12g0	2.97
sly00190	Metabolism Energy me Oxidative	0.68	0.97 Solyc04g0 Solyc04g0	39.10
sly00190	Metabolism Energy me Oxidative	0.68	0.97 Solyc06g0 Solyc06g0	15.51
sly00190	Metabolism Energy me Oxidative	0.68	0.97 Solyc04g0 Solyc04g0	32.87
sly00190	Metabolism Energy me Oxidative	0.68	0.97 Solyc12g0 Solyc12g0	4.99
sly01210	Metabolism Global and 2-Oxocarb	0.68	0.97 Solyc03g0 Solyc03g0	4.05
sly01210	Metabolism Global and 2-Oxocarb	0.68	0.97 Solyc07g0 Solyc07g0	3.93
sly00360	Metabolism Amino aci Phenylalan	0.70	0.97 Solyc10g0 Solyc10g0	4.26
sly00360	Metabolism Amino aci Phenylalan	0.70	0.97 Solyc08g0 Solyc08g0	0.13
sly00670	Metabolism Metabolism One carbon	0.71	0.97 Solyc01g0 Solyc01g0	2.62
sly00730	Metabolism Metabolism Thiamine	0.71	0.97 Solyc11g0 Solyc11g0	45.49
sly00900	Metabolism Metabolism Terpenoid	0.76	0.97 Solyc04g0 Solyc04g0	2.62
sly00900	Metabolism Metabolism Terpenoid	0.76	0.97 Solyc06g0 Solyc06g0	2.33
sly00513	Metabolism Glycan bic Various ty	0.76	0.97 Solyc01g0 Solyc01g0	2.01
sly03440	Genetic In: Replication Homolog	0.76	0.97 Solyc01g1 Solyc01g1	2.32
sly00480	Metabolism Metabolism Glutathion	0.77	0.97 Solyc02g0 Solyc02g0	2.54
sly00480	Metabolism Metabolism Glutathion	0.77	0.97 Solyc11g0 Solyc11g0	2.07
sly00480	Metabolism Metabolism Glutathion	0.77	0.97 Solyc06g0 Solyc06g0	0.15
sly01212	Metabolism Global and Fatty acid	0.77	0.97 Solyc01g0 Solyc01g0	0.09
sly01212	Metabolism Global and Fatty acid	0.77	0.97 Solyc11g0 Solyc11g0	3.25
sly00906	Metabolism Metabolism Carotenoid	0.78	0.97 Solyc04g0 Solyc04g0	3.50
sly00920	Metabolism Energy me Sulfur met	0.80	0.97 Solyc01g0 Solyc01g0	2.46
sly00908	Metabolism Metabolism Zeatin bios	0.80	0.97 Solyc10g0 Solyc10g0	3.13
sly03410	Genetic In: Replication Base excis	0.80	0.97 Solyc09g0 Solyc09g0	2.14
sly00562	Metabolism Carbohydr Inositol ph	0.80	0.97 Solyc06g0 Solyc06g0	2.40
sly00562	Metabolism Carbohydr Inositol ph	0.80	0.97 Solyc09g0 Solyc09g0	0.47
sly00230	Metabolism Nucleotide Purine met	0.80	0.97 Solyc09g0 Solyc09g0	2.88
sly00230	Metabolism Nucleotide Purine met	0.80	0.97 Solyc01g1 Solyc01g1	2993.63
sly00230	Metabolism Nucleotide Purine met	0.80	0.97 Solyc06g0 Solyc06g0	0.38
sly00062	Metabolism Lipid meta Fatty acid	0.82	0.98 Solyc04g0 Solyc04g0	0.35
sly00040	Metabolism Carbohydr Pentose an	0.82	0.98 Solyc10g0 PG2	9.48
sly00040	Metabolism Carbohydr Pentose an	0.82	0.98 Solyc09g0 Solyc09g0	3.61
sly00040	Metabolism Carbohydr Pentose an	0.82	0.98 Solyc02g0 Solyc02g0	4235.90
sly00270	Metabolism Amino aci Cysteine a	0.85	0.99 Solyc07g0 ACO1	2.82
sly00270	Metabolism Amino aci Cysteine a	0.85	0.99 Solyc09g0 Solyc09g0	6.99
sly00270	Metabolism Amino aci Cysteine a	0.85	0.99 Solyc01g0 Solyc01g0	2.46
sly00270	Metabolism Amino aci Cysteine a	0.85	0.99 Solyc02g0 Solyc02g0	2.56
sly04070	Environment Signal tran Phosphatic	0.86	0.99 Solyc06g0 Solyc06g0	2.40
sly04070	Environment Signal tran Phosphatic	0.86	0.99 Solyc09g0 Solyc09g0	3.57
sly04130	Genetic In: Folding, sc SNARE in	0.87	0.99 Solyc09g0 Solyc09g0	2.01
sly00100	Metabolism Lipid meta Steroid bic	0.87	0.99 Solyc02g0 Solyc02g0	8.45
sly00061	Metabolism Lipid meta Fatty acid	0.88	0.99 Solyc11g0 Solyc11g0	3.25
sly00400	Metabolism Amino aci Phenylalan	0.93	1.00 Solyc02g0 Solyc02g0	574.97
sly03050	Genetic In: Folding, sc Proteasom	0.94	1.00 Solyc01g1 Solyc01g1	0.00
sly04146	Cellular Pr Transport : Peroxisom	0.97	1.00 Solyc05g0 Solyc05g0	0.48
sly04145	Cellular Pr Transport : Phagosom	0.97	1.00 Solyc02g0 Solyc02g0	6.74
sly04145	Cellular Pr Transport : Phagosom	0.97	1.00 Solyc06g0 Solyc06g0	15.51
sly04144	Cellular Pr Transport : Endocytos	0.98	1.00 Solyc11g0 Solyc11g0	0.30
sly04144	Cellular Pr Transport : Endocytos	0.98	1.00 Solyc06g0 Solyc06g0	2.09
sly04144	Cellular Pr Transport : Endocytos	0.98	1.00 Solyc06g0 Solyc06g0	2.20
sly04144	Cellular Pr Transport : Endocytos	0.98	1.00 Solyc02g0 Solyc02g0	2.47

sly03018	Genetic In: Folding, scRNA degr	0.99	1.00	Solyc08g0	Solyc08g0	3.48
sly03015	Genetic In: Translation mRNA sur	0.99	1.00	Solyc06g0	Solyc06g0	10.22
sly03013	Genetic In: Translation Nucleocyto	1.00	1.00	Solyc11g0	Solyc11g0	0.10
sly03040	Genetic In: Transcripti Spliceoson	1.00	1.00	Solyc06g0	Solyc06g0	2.09
sly04141	Genetic In: Folding, scProtein prc	1.00	1.00	Solyc06g0	Solyc06g0	2.09
sly04141	Genetic In: Folding, scProtein prc	1.00	1.00	Solyc02g0	Solyc02g0	2.46
sly03010	Genetic In: Translation Ribosome	1.00	1.00	Solyc09g0	Solyc09g0	4.17
sly03010	Genetic In: Translation Ribosome	1.00	1.00	Solyc04g0	Solyc04g0	2.32
sly03010	Genetic In: Translation Ribosome	1.00	1.00	Solyc10g0	Solyc10g0	2.18
sly03010	Genetic In: Translation Ribosome	1.00	1.00	Solyc07g0	Solyc07g0	2.00
sly03010	Genetic In: Translation Ribosome	1.00	1.00	Solyc09g0	rpl33	0.05
sly03010	Genetic In: Translation Ribosome	1.00	1.00	Solyc09g0	Solyc09g0	2.84

log2(fc)	pval	qval	regulation
1.83	0.00	0.00	up
2.01	0.00	0.00	up
1.57	0.00	0.00	up
1.43	0.00	0.00	up
2.84	0.00	0.00	up
1.21	0.00	0.00	up
1.07	0.00	0.00	up
2.33	0.00	0.00	up
1.61	0.00	0.00	up
1.77	0.00	0.00	up
1.58	0.00	0.00	up
1.30	0.00	0.00	up
-2.52	0.00	0.01	down
10.59	0.00	0.01	up
2.17	0.01	0.03	up
1.14	0.01	0.03	up
1.49	0	0	up
3.25	0	0	up
2.27	0	0	up
-3.43	0	0	down
2.61	0.00	0.00	up
2.02	0.00	0.00	up
2.09	0.00	0.00	up
2.76	0.00	0.00	up
2.80	0.00	0.00	up
-1.51	0.00	0.00	down
-3.73	0.00	0.00	down
1.39	0.00	0.00	up
-4.07	0.00	0.00	down
1.83	0.00	0.00	up
1.30	0.00	0.00	up
1.70	0.00	0.00	up
1.62	0.00	0.00	up
2.16	0.00	0.00	up
-1.84	0.00	0.00	down
-4.05	0.00	0.00	down
1.49	0.00	0.00	up
1.15	0.00	0.00	up
-1.99	0.00	0.00	down
1.39	0.00	0.00	up
-1.50	0.00	0.00	down
1.01	0.00	0.00	up
1.68	0.00	0.00	up
2.32	0.00	0.00	up
1.28	0.00	0.00	up
1.92	0.00	0.00	up
1.53	0.00	0.00	up
1.81	0.00	0.00	up
2.49	0.00	0.00	up

-1.45	0.00	0.00 down
3.10	0.00	0.00 up
-1.84	0.00	0.00 down
-1.31	0.00	0.00 down
-2.18	0.00	0.00 down
1.80	0.00	0.00 up
1.22	0.00	0.00 up
1.98	0.00	0.00 up
1.57	0.00	0.00 up
1.14	0.00	0.00 up
1.26	0.00	0.00 up
-1.51	0.00	0.00 down
1.31	0.00	0.00 up
1.85	0.00	0.00 up
-1.02	0.00	0.00 down
1.85	0.00	0.00 up
1.54	0.00	0.00 up
2.55	0.00	0.00 up
1.53	0.00	0.00 up
-1.01	0.00	0.00 down
-1.65	0.00	0.00 down
2.96	0.00	0.00 up
-1.05	0.00	0.00 down
-1.07	0.00	0.00 down
1.21	0.00	0.00 up
1.12	0.00	0.00 up
-1.46	0.00	0.00 down
1.82	0.00	0.00 up
1.07	0.00	0.00 up
1.01	0.00	0.00 up
-1.87	0.00	0.00 down
1.69	0.00	0.00 up
-2.45	0.00	0.00 down
1.62	0.00	0.00 up
1.34	0.00	0.00 up
1.16	0.00	0.00 up
1.44	0.00	0.00 up
-2.16	0.00	0.00 down
1.05	0.00	0.00 up
1.36	0.00	0.00 up
1.32	0.00	0.00 up
1.82	0.00	0.00 up
1.22	0.00	0.00 up
-3.97	0.00	0.00 down
1.94	0.00	0.00 up
11.78	0.00	0.00 up
-2.82	0.00	0.00 down
1.33	0.00	0.00 up
12.05	0.00	0.00 up
12.43	0.00	0.00 up
-2.74	0.00	0.00 down

11.55	0.00	0.00 up
-1.41	0.00	0.00 down
1.01	0.00	0.00 up
1.84	0.00	0.00 up
1.17	0.00	0.00 up
2.13	0.00	0.00 up
-1.05	0.00	0.00 down
1.02	0.00	0.00 up
10.74	0.00	0.00 up
1.44	0.00	0.00 up
1.05	0.00	0.00 up
1.08	0.00	0.00 up
1.28	0.00	0.00 up
1.06	0.00	0.00 up
-3.82	0.00	0.00 down
4.67	0.00	0.00 up
1.43	0.00	0.00 up
1.44	0.00	0.00 up
1.38	0.00	0.00 up
2.65	0.00	0.00 up
1.50	0.00	0.00 up
-2.88	0.00	0.00 down
3.97	0.00	0.00 up
5.29	0.00	0.00 up
-2.01	0.00	0.00 down
-1.35	0.00	0.00 down
-2.01	0.00	0.00 down
3.95	0.00	0.00 up
1.75	0.00	0.00 up
2.34	0.00	0.01 up
3.71	0.00	0.01 up
5.51	0.00	0.01 up
-1.41	0.00	0.01 down
-11.43	0.00	0.01 down
-2.97	0.00	0.01 down
9.17	0.00	0.01 up
2.36	0.00	0.01 up
9.11	0.00	0.01 up
1.18	0.00	0.01 up
5.04	0.00	0.01 up
2.32	0.01	0.02 up
2.60	0.01	0.02 up
3.08	0.01	0.02 up
3.78	0.01	0.02 up
-9.79	0.01	0.02 down
-1.19	0.01	0.02 down
2.20	0.01	0.03 up
2.17	0.01	0.03 up
1.82	0.01	0.04 up
-1.23	0.02	0.05 down
-4.98	0.02	0.05 down

1.52	0.02	0.05 up
1.49	0	0 up
2.61	0.00	0.00 up
2.02	0.00	0.00 up
2.09	0.00	0.00 up
2.76	0.00	0.00 up
2.80	0.00	0.00 up
-1.51	0.00	0.00 down
-3.73	0.00	0.00 down
-4.07	0.00	0.00 down
1.30	0.00	0.00 up
-1.84	0.00	0.00 down
-4.05	0.00	0.00 down
1.49	0.00	0.00 up
1.15	0.00	0.00 up
1.39	0.00	0.00 up
-1.50	0.00	0.00 down
1.68	0.00	0.00 up
2.32	0.00	0.00 up
1.28	0.00	0.00 up
1.92	0.00	0.00 up
1.53	0.00	0.00 up
1.81	0.00	0.00 up
2.49	0.00	0.00 up
-1.45	0.00	0.00 down
-2.18	0.00	0.00 down
1.80	0.00	0.00 up
1.98	0.00	0.00 up
1.14	0.00	0.00 up
-1.02	0.00	0.00 down
1.53	0.00	0.00 up
-1.01	0.00	0.00 down
2.96	0.00	0.00 up
-1.05	0.00	0.00 down
-1.07	0.00	0.00 down
1.14	0.00	0.00 up
-1.46	0.00	0.00 down
1.82	0.00	0.00 up
1.01	0.00	0.00 up
1.69	0.00	0.00 up
-2.45	0.00	0.00 down
1.62	0.00	0.00 up
1.16	0.00	0.00 up
1.44	0.00	0.00 up
1.36	0.00	0.00 up
1.32	0.00	0.00 up
1.22	0.00	0.00 up
11.78	0.00	0.00 up
1.33	0.00	0.00 up
12.43	0.00	0.00 up
1.79	0.00	0.00 up

11.55	0.00	0.00 up
-1.41	0.00	0.00 down
1.84	0.00	0.00 up
1.17	0.00	0.00 up
2.13	0.00	0.00 up
-1.05	0.00	0.00 down
10.74	0.00	0.00 up
1.44	0.00	0.00 up
1.08	0.00	0.00 up
4.88	0.00	0.00 up
1.06	0.00	0.00 up
-3.82	0.00	0.00 down
4.67	0.00	0.00 up
-10.11	0.00	0.00 down
1.43	0.00	0.00 up
1.44	0.00	0.00 up
10.57	0.00	0.00 up
2.65	0.00	0.00 up
1.50	0.00	0.00 up
3.97	0.00	0.00 up
5.29	0.00	0.00 up
-2.01	0.00	0.00 down
-1.35	0.00	0.00 down
1.75	0.00	0.00 up
2.34	0.00	0.01 up
-1.41	0.00	0.01 down
-11.43	0.00	0.01 down
9.17	0.00	0.01 up
2.36	0.00	0.01 up
5.04	0.00	0.01 up
2.60	0.01	0.02 up
3.08	0.01	0.02 up
-9.79	0.01	0.02 down
1.82	0.01	0.04 up
1.52	0.02	0.05 up
-1.63	0.00	0.00 down
1.10	0.00	0.00 up
2.74	0.00	0.00 up
-10.11	0.00	0.00 down
3.71	0.00	0.01 up
1.33	0.00	0.01 up
10.61	0.00	0.01 up
-3.73	0.00	0.00 down
-4.07	0.00	0.00 down
-1.84	0.00	0.00 down
-4.05	0.00	0.00 down
1.28	0.00	0.00 up
-1.02	0.00	0.00 down
11.78	0.00	0.00 up
1.33	0.00	0.00 up
1.44	0.00	0.00 up

-9.79	0.01	0.02 down
2.09	0.00	0.00 up
3.56	0.00	0.00 up
1.15	0.00	0.00 up
1.28	0.00	0.00 up
-1.02	0.00	0.00 down
-2.45	0.00	0.00 down
2.00	0.00	0.00 up
11.78	0.00	0.00 up
1.33	0.00	0.00 up
12.43	0.00	0.00 up
1.17	0.00	0.00 up
2.13	0.00	0.00 up
-3.82	0.00	0.00 down
1.44	0.00	0.00 up
1.50	0.00	0.00 up
-2.01	0.00	0.00 down
-1.35	0.00	0.00 down
-9.79	0.01	0.02 down
1.52	0.02	0.05 up
-1.51	0.00	0.00 down
1.39	0.00	0.00 up
1.30	0.00	0.00 up
2.32	0.00	0.00 up
1.53	0.00	0.00 up
3.10	0.00	0.00 up
1.80	0.00	0.00 up
1.98	0.00	0.00 up
1.82	0.00	0.00 up
1.01	0.00	0.00 up
1.69	0.00	0.00 up
1.16	0.00	0.00 up
1.01	0.00	0.00 up
1.44	0.00	0.00 up
1.28	0.00	0.00 up
4.67	0.00	0.00 up
2.65	0.00	0.00 up
5.29	0.00	0.00 up
1.18	0.00	0.01 up
5.04	0.00	0.01 up
-1.19	0.01	0.02 down
1.82	0.01	0.04 up
1.01	0.00	0.00 up
1.85	0.00	0.00 up
1.94	0.00	0.00 up
2.76	0.00	0.00 up
-1.31	0.00	0.00 down
-1.01	0.00	0.00 down
11.55	0.00	0.00 up
10.74	0.00	0.00 up
9.11	0.00	0.01 up

-1.19	0.01	0.02 down
3.10	0.00	0.00 up
1.82	0.00	0.00 up
1.16	0.00	0.00 up
1.44	0.00	0.00 up
1.28	0.00	0.00 up
4.67	0.00	0.00 up
1.18	0.00	0.01 up
1.82	0.01	0.04 up
2.55	0.00	0.00 up
1.05	0.00	0.00 up
1.38	0.00	0.00 up
-2.01	0.00	0.00 down
1.28	0.00	0.00 up
-1.02	0.00	0.00 down
11.78	0.00	0.00 up
1.33	0.00	0.00 up
1.44	0.00	0.00 up
-9.79	0.01	0.02 down
-1.31	0.00	0.00 down
9.11	0.00	0.01 up
-1.19	0.01	0.02 down
2.20	0.01	0.03 up
2.32	0.00	0.00 up
-1.31	0.00	0.00 down
1.98	0.00	0.00 up
1.01	0.00	0.00 up
1.69	0.00	0.00 up
1.44	0.00	0.00 up
2.65	0.00	0.00 up
9.11	0.00	0.01 up
-1.01	0.00	0.00 down
10.74	0.00	0.00 up
1.79	0.00	0.00 up
2.34	0.00	0.01 up
1.22	0.00	0.00 up
1.85	0.00	0.00 up
1.94	0.00	0.00 up
1.20	0.00	0.00 up
-1.84	0.00	0.00 down
-1.90	0.00	0.00 down
1.11	0.00	0.00 up
-1.07	0.00	0.00 down
1.41	0.00	0.00 up
-1.98	0.00	0.00 down
1.82	0.00	0.00 up
-1.11	0.00	0.00 down
-1.24	0.00	0.01 down
2.07	0.01	0.02 up
1.52	0.01	0.02 up
9.52	0.02	0.04 up

2.49	0.00	0.00 up
1.14	0.00	0.00 up
-2.45	0.00	0.00 down
1.43	0.00	0.00 up
-11.43	0.00	0.01 down
1.80	0.00	0.00 up
1.82	0.00	0.00 up
1.16	0.00	0.00 up
4.67	0.00	0.00 up
1.82	0.01	0.04 up
-4.07	0.00	0.00 down
-4.05	0.00	0.00 down
-1.34	0.00	0.00 down
1.20	0.00	0.00 up
1.49	0.00	0.00 up
1.98	0.00	0.00 up
2.96	0.00	0.00 up
1.69	0.00	0.00 up
5.29	0.00	0.00 up
5.04	0.00	0.01 up
-1.99	0.00	0.00 down
-1.45	0.00	0.00 down
-2.18	0.00	0.00 down
1.34	0.00	0.00 up
-3.97	0.00	0.00 down
-1.23	0.02	0.05 down
1.01	0.00	0.00 up
1.31	0.00	0.00 up
-2.18	0.00	0.00 down
-1.01	0.00	0.00 down
1.01	0.00	0.00 up
10.74	0.00	0.00 up
-4.98	0.02	0.05 down
1.62	0.00	0.00 up
2.16	0.00	0.00 up
-1.65	0.00	0.00 down
1.02	0.00	0.00 up
-1.41	0.00	0.01 down
1.15	0.00	0.00 up
-2.82	0.00	0.00 down
-1.51	0.00	0.00 down
1.53	0.00	0.00 up
-2.18	0.00	0.00 down
1.80	0.00	0.00 up
1.69	0.00	0.00 up
1.16	0.00	0.00 up
4.67	0.00	0.00 up
3.97	0.00	0.00 up
2.36	0.00	0.01 up
1.82	0.01	0.04 up
-1.97	0.00	0.00 down

-1.07	0.00	0.00 down
-1.41	0.00	0.00 down
1.84	0.00	0.00 up
1.06	0.00	0.00 up
10.57	0.00	0.00 up
1.75	0.00	0.00 up
1.01	0.00	0.00 up
2.76	0.00	0.00 up
1.30	0.00	0.00 up
1.17	0.00	0.00 up
-2.18	0.00	0.00 down
1.69	0.00	0.00 up
1.82	0.00	0.00 up
-1.35	0.00	0.00 down
-2.18	0.00	0.00 down
1.85	0.00	0.00 up
1.94	0.00	0.00 up
-1.41	0.00	0.00 down
10.57	0.00	0.00 up
1.75	0.00	0.00 up
1.20	0.00	0.00 up
1.17	0.00	0.00 up
2.73	0.00	0.00 up
-1.90	0.00	0.00 down
-2.35	0.00	0.00 down
3.00	0.00	0.00 up
-1.98	0.00	0.00 down
1.62	0.00	0.00 up
-2.35	0.00	0.00 down
11.97	0.00	0.00 up
-1.16	0.00	0.01 down
-1.24	0.00	0.01 down
-1.65	0.00	0.01 down
9.52	0.02	0.04 up
-2.22	0.02	0.05 down
-1.50	0.00	0.00 down
3.10	0.00	0.00 up
-1.54	0.00	0.00 down
-2.04	0.00	0.00 down
-1.07	0.00	0.00 down
1.82	0.00	0.00 up
1.16	0.00	0.00 up
-1.11	0.00	0.00 down
-1.25	0.00	0.00 down
2.40	0.00	0.00 up
11.37	0.00	0.00 up
-9.77	0.00	0.02 down
-1.22	0.01	0.02 down
2.02	0.00	0.00 up
-1.01	0.00	0.00 down
10.74	0.00	0.00 up

-1.31	0.00	0.00 down
9.11	0.00	0.01 up
-1.19	0.01	0.02 down
1.39	0.00	0.00 up
1.62	0.00	0.00 up
-1.99	0.00	0.00 down
1.92	0.00	0.00 up
1.53	0.00	0.00 up
2.49	0.00	0.00 up
-1.45	0.00	0.00 down
-2.18	0.00	0.00 down
1.14	0.00	0.00 up
-1.65	0.00	0.00 down
1.69	0.00	0.00 up
-2.82	0.00	0.00 down
1.08	0.00	0.00 up
1.43	0.00	0.00 up
-11.43	0.00	0.01 down
1.26	0.00	0.01 up
-3.03	0.00	0.00 down
-3.43	0	0 down
1.70	0.00	0.00 up
-2.18	0.00	0.00 down
3.97	0.00	0.00 up
2.36	0.00	0.01 up
1.53	0.00	0.00 up
-1.05	0.00	0.00 down
1.12	0.00	0.00 up
-1.87	0.00	0.00 down
1.44	0.00	0.00 up
1.32	0.00	0.00 up
1.17	0.00	0.00 up
2.02	0.00	0.00 up
-2.16	0.00	0.00 down
1.08	0.00	0.00 up
2.61	0.00	0.00 up
1.69	0.00	0.00 up
1.01	0.00	0.00 up
2.61	0.00	0.00 up
-2.18	0.00	0.00 down
1.69	0.00	0.00 up
1.01	0.00	0.00 up
1.80	0.00	0.00 up
1.54	0.00	0.00 up
1.16	0.00	0.00 up
4.67	0.00	0.00 up
1.82	0.01	0.04 up
-2.18	0.00	0.00 down
1.69	0.00	0.00 up
1.14	0.00	0.00 up
4.88	0.00	0.00 up

1.01	0.00	0.00 up
1.80	0.00	0.00 up
1.85	0.00	0.00 up
1.94	0.00	0.00 up
1.38	0.00	0.00 up
-2.18	0.00	0.00 down
-1.05	0.00	0.00 down
-1.51	0.00	0.00 down
2.32	0.00	0.00 up
1.01	0.00	0.00 up
1.69	0.00	0.00 up
2.02	0.00	0.00 up
-1.51	0.00	0.00 down
1.30	0.00	0.00 up
1.53	0.00	0.00 up
-1.31	0.00	0.00 down
1.80	0.00	0.00 up
1.98	0.00	0.00 up
1.82	0.00	0.00 up
9.17	0.00	0.01 up
9.11	0.00	0.01 up
1.82	0.01	0.04 up
-1.51	0.00	0.00 down
1.68	0.00	0.00 up
3.97	0.00	0.00 up
2.27	0	0 up
-1.99	0.00	0.00 down
1.01	0.00	0.00 up
-1.45	0.00	0.00 down
-1.84	0.00	0.00 down
-2.88	0.00	0.00 down
3.78	0.01	0.02 up
-2.18	0.00	0.00 down
-1.07	0.00	0.00 down
2.02	0.00	0.00 up
-2.18	0.00	0.00 down
1.92	0.00	0.00 up
-1.46	0.00	0.00 down
2.60	0.01	0.02 up
-2.18	0.00	0.00 down
1.62	0.00	0.00 up
-4.98	0.02	0.05 down
-1.41	0.00	0.01 down
1.26	0.00	0.01 up
1.53	0.00	0.00 up
-2.18	0.00	0.00 down
1.69	0.00	0.00 up
2.65	0.00	0.00 up
2.02	0.00	0.00 up
3.97	0.00	0.00 up
2.36	0.00	0.01 up

1.57	0.00	0.00 up
5.29	0.00	0.00 up
3.95	0.00	0.00 up
5.04	0.00	0.01 up
2.32	0.01	0.02 up
2.02	0.00	0.00 up
1.98	0.00	0.00 up
2.09	0.00	0.00 up
-2.97	0.00	0.01 down
1.39	0.00	0.00 up
5.51	0.00	0.01 up
1.39	0.00	0.00 up
1.22	0.00	0.00 up
1.01	0.00	0.00 up
1.22	0.00	0.00 up
1.34	0.00	0.00 up
1.05	0.00	0.00 up
-2.74	0.00	0.00 down
-3.43	0	0 down
1.70	0.00	0.00 up
1.81	0.00	0.00 up
1.30	0.00	0.00 up
1.64	0.00	0.00 up
1.10	0.00	0.00 up
1.26	0.00	0.00 up
-1.07	0.00	0.00 down
1.53	0.00	0.00 up
11.55	0.00	0.00 up
-1.41	0.00	0.01 down
-1.50	0.00	0.00 down
3.25	0	0 up
1.85	0.00	0.00 up
12.05	0.00	0.00 up
1.49	0	0 up
2.80	0.00	0.00 up
1.30	0.00	0.00 up
1.36	0.00	0.00 up
1.26	0.00	0.00 up
1.84	0.00	0.00 up
1.01	0.00	0.00 up
3.08	0.01	0.02 up
1.70	0.00	0.00 up
9.17	0.00	0.01 up
-9.07	0.00	0.01 down
-1.05	0.00	0.00 down
2.75	0.00	0.00 up
3.95	0.00	0.00 up
-1.72	0.00	0.00 down
1.07	0.00	0.00 up
1.14	0.00	0.00 up
1.31	0.01	0.03 up

1.80	0.00	0.00 up
3.35	0.00	0.01 up
-3.26	0.00	0.00 down
1.07	0.00	0.00 up
1.07	0.00	0.00 up
1.30	0.00	0.00 up
2.06	0.00	0.00 up
1.22	0.00	0.00 up
1.13	0.00	0.00 up
1.00	0.00	0.00 up
-4.19	0.00	0.00 down
1.51	0.00	0.00 up