

Table S3: Enrichment in GO-terms as determined by STRING-DB.org

GO-TERM (BIOLOGICAL PROCESS)	DESCRIPTION	FDR
GO:0009082	branched-chain amino acid biosynthetic process	9.14e-06
GO:0009081	branched-chain amino acid metabolic process	9.14e-06
GO:1901607	alpha-amino acid biosynthetic process	9.45e-05
GO:1901605	alpha-amino acid metabolic process	9.45e-05
GO:0044281	small molecule metabolic process	9.45e-05
GO:0019627	urea metabolic process	9.45e-05
GO:0006520	cellular amino acid metabolic process	9.45e-05
GO:0008652	cellular amino acid biosynthetic process	0.00010
GO:0009097	isoleucine biosynthetic process	0.00031
GO:0006549	isoleucine metabolic process	0.00031
GO:1901564	organonitrogen compound metabolic process	0.0013
GO:0044283	small molecule biosynthetic process	0.0013
GO:0009987	cellular process	0.0020
GO:0008152	metabolic process	0.0024
GO:0006807	nitrogen compound metabolic process	0.0042
GO:0009099	valine biosynthetic process	0.0046
GO:0044205	'de novo' UMP biosynthetic process	0.0072
GO:0043419	urea catabolic process	0.0072
GO:0006573	valine metabolic process	0.0072
GO:1901566	organonitrogen compound biosynthetic process	0.0081
GO:0044237	cellular metabolic process	0.0081
GO:0009098	leucine biosynthetic process	0.0086
GO:0006551	leucine metabolic process	0.0086
GO:0071704	organic substance metabolic process	0.0111
GO:0046049	UMP metabolic process	0.0111
GO:0046132	pyrimidine ribonucleoside biosynthetic process	0.0191
GO:0046131	pyrimidine ribonucleoside metabolic process	0.0191
GO:0009156	ribonucleoside monophosphate biosynthetic process	0.0191
GO:0006812	cation transport	0.0253
GO:0009260	ribonucleotide biosynthetic process	0.0284
GO:0009161	ribonucleoside monophosphate metabolic process	0.0284
GO:0044238	primary metabolic process	0.0298
GO:0019637	organophosphate metabolic process	0.0327
GO:0019835	cytolysis	0.0339
GO:0044249	cellular biosynthetic process	0.0379
GO:0009259	ribonucleotide metabolic process	0.0392
GO:0009064	glutamine family amino acid metabolic process	0.0396
GO:0044248	cellular catabolic process	0.0412