

Supplementary Information

Table S1. Gene ontology analysis.

Gene Ontology Term	Cluster Frequency	Protein Frequency of Use	<i>p</i>-Value
Ribonucleoprotein complex	27 out of 162 genes, 16.7%	135 out of 1663 genes, 8.1%	0.000118
Endoplasmic reticulum	5 out of 162 genes, 3.1%	20 out of 1663 genes, 1.2%	0.038199
Endoplasmic reticulum part	5 out of 162 genes, 3.1%	20 out of 1663 genes, 1.2%	0.038199

Table S2. KEGG pathway analysis.

Pathway	Different Proteins with Pathway Annotation (165)	All Proteins with Pathway Annotation (1756)	<i>p</i>-Value	Pathway ID
Ribosome	26 (15.76%)	98 (5.58%)	3.15×10^{-7}	ko03010
Sulfur metabolism	3 (1.82%)	7 (0.4%)	0.02147144	ko00920
Phenylalanine metabolism	6 (3.64%)	26 (1.48%)	0.02949184	ko00360
SNARE interactions in vesicular transport	3 (1.82%)	9 (0.51%)	0.04477584	ko04130