

Biological Process

Term Name	Binom Raw P-Value	Binom Fold Enrichment	Hyper Raw P-Value	Hyper Fold Enrichment
translation	1.5192e-8	3.0673	3.8162e-5	2.1268

Cellular Component

Term Name	Binom Raw P-Value	Binom Fold Enrichment	Hyper Raw P-Value	Hyper Fold Enrichment
ribosomal subunit	1.6884e-7	4.5653	9.7923e-5	2.8403
ribonucleoprotein complex	4.4524e-7	2.2713	1.0783e-4	1.7967
cytosolic part	1.6981e-5	3.1388	7.9492e-5	2.6972
exon-exon junction complex	5.4757e-5	42.6435	3.7562e-4	16.2897
nuclear body	2.0226e-4	2.4510	4.2781e-4	2.2580
→ actin cytoskeleton	3.4671e-4	2.0246	1.1630e-4	2.1208
nuclear speck	4.4416e-4	2.7863	1.2437e-3	2.5340
mediator complex	1.1112e-3	4.5006	5.2378e-4	4.7512

MSigDB Canonical Pathway

Term Name	Binom Raw P-Value	Binom Fold Enrichment	Hyper Raw P-Value	Hyper Fold Enrichment
Genes involved in Metabolism of proteins	2.4391e-9	4.1320	2.3358e-5	2.5023
Genes involved in Gene Expression	3.7351e-9	2.7267	2.9901e-7	2.2572
Spliceosome	6.0691e-8	4.8983	2.0692e-5	3.0784
→ Focal adhesion	1.3132e-4	2.2221	1.5808e-5	2.6195
JNK MAPK Pathway	4.3699e-4	3.7484	2.7862e-4	4.5725
→ Genes related to regulation of the actin cytoskeleton	5.4008e-4	5.1009	1.8704e-4	4.8266

Supplementary Figure S5