

Reactome Pathway	# of Nodes	PRS (score)
PTK6 promotes HIF1A stabilization	6	16.26
Common Pathway of Fibrin Clot Formation	22	13.38
Antimicrobial peptides	36	12.72
Defensins	15	11.14
Biosynthesis of DHA-derived SPMs	17	10.08
Formation of a pool of free 40S subunits	102	9.88
Formation of Fibrin Clot (Clotting Cascade)	39	9.55
Peptide chain elongation	89	8.99
Eukaryotic Translation Elongation	94	8.91
L13a-mediated translational silencing of Ceruloplasmin	112	8.86
Interleukin-10 signaling	45	8.78
Selenocysteine synthesis	92	8.47
Biosynthesis of specialized proresolving mediators (SPMs)	19	8.41
GTP hydrolysis and joining of the 60S ribosomal subunit	113	8.34
Selenoamino acid metabolism	116	8.27
Eukaryotic Translation Termination	93	7.74
Regulation of TLR by endogenous ligand	14	6.98
Eukaryotic Translation Initiation	120	6.97
Cap-dependent Translation Initiation	120	6.97
Nonsense Mediated Decay (NMD) independent of the 5' cap	96	6.86
ERBB2 Activates PTK6 Signaling	13	6.63
SRP-dependent cotranslational protein targeting to the ER	113	6.59
Chemokine receptors bind chemokines	48	6.48
Synthesis of Lipoxins (LX)	6	6.29
Hyaluronan metabolism	10	6.15
Hyaluronan uptake and degradation	10	6.15
Degradation of the extracellular matrix	104	5.96
Complement cascade	144	5.87
Creation of C4 and C2 activators	102	5.51
Dectin-2 family	61	5.45
ERBB2 Regulates Cell Motility	15	5.35
Fibronectin matrix formation	6	5.20
Signaling by PTK6	54	5.18
Signaling by Non-Receptor Tyrosine Kinases	54	5.18
Regulation of Complement cascade	133	5.10
Formation of the ternary complex, and subsequently initiation of translation	52	5.04
Pyrimidine salvage	8	4.72
rRNA processing in the nucleus and cytosol	191	4.70
Major pathway of rRNA processing in the nucleolus and cytosol	183	4.66
rRNA processing	196	4.65
Ribosomal scanning and start codon recognition	58	4.59
Peptide ligand-binding receptors	187	4.52
Class A/1 (Rhodopsin-like receptors)	203	4.45
G alpha (i) signalling events	393	4.35
Collagen degradation	25	4.34
PI3K events in ERBB2 signaling	16	4.31
Translation initiation complex formation	59	4.30

Intraflagellar transport	41	4.10
Nonsense-Mediated Decay (NMD)	116	4.10
Nonsense Mediated Decay (NMD) enhanced by the Ex	116	4.10
Toll-like Receptor Cascades	152	4.06
Activation of the mRNA upon binding of the cap-bind	60	4.06
Visual phototransduction	94	4.02
Triglyceride biosynthesis	14	3.88
TICAM1, TRAF6-dependent induction of TAK1 comple	16	3.79
RAF-independent MAPK1/3 activation	23	3.71
Downregulation of ERBB2 signaling	29	3.67
Post-translational protein phosphorylation	107	3.54
GPCR ligand binding	301	3.41
Glycosaminoglycan metabolism	116	3.30
Signaling by GPCR	1184	3.24
GPCR downstream signalling	1133	3.09
Translation	291	2.85

BH adj pval	Hierarchy level	Pathway Group
0.0010	4	Signal Transduction
0.0010	3	Hemostasis
0.0010	3	Immune System
0.0010	4	Immune System
0.0010	4	Metabolism
0.0010	5	Metabolism of proteins
0.0010	2	Hemostasis
0.0010	4	Metabolism of proteins
0.0010	3	Metabolism of proteins
0.0010	4	Metabolism of proteins
0.0010	4	Immune System
0.0010	4	Metabolism
0.0010	3	Metabolism
0.0010	5	Metabolism of proteins
0.0010	3	Metabolism
0.0010	3	Metabolism of proteins
0.0010	4	Immune System
0.0010	3	Metabolism of proteins
0.0010	4	Metabolism of proteins
0.0010	3	Metabolism of RNA
0.0010	4	Signal Transduction
0.0010	3	Metabolism of proteins
0.0030	6	Signal Transduction
0.0030	4	Metabolism
0.0020	4	Metabolism
0.0020	5	Metabolism
0.0020	2	Extracellular matrix organization
0.0050	3	Immune System
0.0050	5	Immune System
0.0050	4	Immune System
0.0020	4	Signal Transduction
0.0080	2	Extracellular matrix organization
0.0030	3	Signal Transduction
0.0030	2	Signal Transduction
0.0040	4	Immune System
0.0030	5	Metabolism of proteins
0.0040	4	Metabolism
0.0020	3	Metabolism of RNA
0.0010	4	Metabolism of RNA
0.0020	2	Metabolism of RNA
0.0020	5	Metabolism of proteins
0.0050	5	Signal Transduction
0.0050	4	Signal Transduction
0.0010	4	Signal Transduction
0.0080	3	Extracellular matrix organization
0.0080	4	Signal Transduction
0.0030	6	Metabolism of proteins

0.0050	3	Organelle biogenesis and maintenance
0.0030	2	Metabolism of RNA
0.0030	3	Metabolism of RNA
0.0050	3	Immune System
0.0070	5	Metabolism of proteins
0.0070	5	Signal Transduction
0.0090	4	Metabolism
0.0090	5	Immune System
0.0080	4	Signal Transduction
0.0100	4	Signal Transduction
0.0060	3	Metabolism of proteins
0.0050	3	Signal Transduction
0.0070	3	Metabolism
0.0020	2	Signal Transduction
0.0020	3	Signal Transduction
0.0100	2	Metabolism of proteins

URL

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