

GeDiPNet Cluster 398 -- Enriched Pathways

Pathway enrichment: KEGG + Reactome, upper-tail hypergeometric test, Benjamini-Hochberg FDR-corrected. Fold enrichment = (overlap / cluster gene count) / (pathway gene count / universe size). Top 15 pathways per cluster by q-value. See scripts/build_cluster_enrichment.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-08 03:30:07. · Rows: 15 · Generated: 2026-10-08 04:04:42

Pathway	Source	Overlap Genes	Overlap Gene Names	Pathway Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
Gamma-carboxylation of protein precursors	Reactome	3	F2, PROZ, F9	9	4	1000.83	1.164e-9	1.223e-7
Transport of gamma-carboxylated protein precursors from the endoplasmic reticulum to the Golgi apparatus	Reactome	3	F2, PROZ, F9	9	4	1000.83	1.164e-9	1.223e-7
Removal of aminoterminal propeptides from gamma-carboxylated proteins	Reactome	3	F2, PROZ, F9	10	4	900.75	1.662e-9	1.691e-7
Complement and coagulation cascades	KEGG	3	F2, F5, F9	88	4	102.36	1.513e-6	6.964e-5
Common Pathway of Fibrin Clot Formation	Reactome	2	F2, F5	22	4	272.95	1.918e-5	5.894e-4
Intrinsic Pathway of Fibrin Clot Formation	Reactome	2	F2, F9	23	4	261.09	2.100e-5	6.360e-4
Regulation of Insulin-like Growth Factor (IGF) transport and uptake by Insulin-like Growth Factor Binding Proteins (IGFBPs)	Reactome	2	F2, F5	125	4	48.04	6.360e-4	9.818e-3
Extrinsic Pathway of Fibrin Clot Formation	Reactome	1	F9	5	4	600.50	1.664e-3	2.040e-2
Platelet Aggregation (Plug Formation)	Reactome	1	F2	8	4	375.31	2.662e-3	2.882e-2
Thrombin signalling through proteinase activated receptors (PARs)	Reactome	1	F2	32	4	93.83	1.062e-2	7.281e-2
Cargo concentration in the ER	Reactome	1	F5	33	4	90.98	1.095e-2	7.412e-2
Regulation of Complement cascade	Reactome	1	F2	47	4	63.88	1.556e-2	9.184e-2
COPII-mediated vesicle transport	Reactome	1	F5	68	4	44.15	2.246e-2	1.132e-1
Cell surface interactions at the vascular wall	Reactome	1	F2	84	4	35.74	2.769e-2	1.272e-1
Peptide ligand-binding receptors	Reactome	1	F2	106	4	28.33	3.484e-2	1.438e-1