

GeDiPNet Cluster 60 -- Enriched GO Terms (Biological Process)

GO term enrichment: Biological Process terms (gene2go, human/tax_id=9606 only), upper-tail hypergeometric test, fold enrichment = (overlap / cluster gene count) / (term gene count / universe size), Benjamini-Hochberg FDR-corrected. Top 15 terms per cluster by q-value. See scripts/build_cluster_go_enrichment.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-09 03:23:08. · Rows: 15 · Generated: 2026-10-09 15:58:13

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
blood coagulation	GO:0007596	10	GP1BA, GP1BB, ITGB3, GP6, P2RY12, CD36, KLKB1, SERPIND1, THBD, ITGA2	106	35	50.37	3.644e-15	2.559e-12
hemostasis	GO:0007599	8	GP1BA, GP1BB, GP6, P2RY12, FLI1, KLKB1, SERPIND1, THBD	55	35	77.66	7.325e-14	4.139e-11
platelet activation	GO:0030168	7	ACTN1, GP1BA, GP1BB, ITGB3, GP6, P2RX1, P2RY12	69	35	54.17	4.240e-11	1.349e-8
platelet aggregation	GO:0070527	6	ACTN1, ITGB3, TUBB1, GP6, P2RY12, FERMT3	49	35	65.38	3.627e-10	9.168e-8
positive regulation of platelet activation	GO:0010572	3	GP1BA, GP1BB, PLA2G4A	13	35	123.21	1.699e-6	1.280e-4
positive regulation of leukocyte migration	GO:0002687	3	ITGA2B, ITGB3, ITGA2	19	35	84.30	5.714e-6	3.364e-4
megakaryocyte development	GO:0035855	3	GP1BA, GP1BB, FLI1	23	35	69.64	1.039e-5	5.415e-4
platelet formation	GO:0030220	3	ACTN1, TPM4, TUBB1	24	35	66.74	1.186e-5	5.999e-4
integrin-mediated signaling pathway	GO:0007229	4	ITGA2B, ITGB3, FERMT3, ITGA2	100	35	21.36	3.558e-5	1.399e-3
cell-matrix adhesion	GO:0007160	4	ITGA2B, ITGB3, FERMT3, ITGA2	105	35	20.34	4.309e-5	1.615e-3
collagen-activated signaling pathway	GO:0038065	2	GP6, ITGA2	6	35	177.97	5.088e-5	1.833e-3
positive regulation of monoatomic ion transport	GO:0043270	2	P2RX1, P2RY12	7	35	152.55	7.115e-5	2.352e-3
microtubule-based process	GO:0007017	3	TUBA4A, TUBA8, TUBB1	46	35	34.82	8.646e-5	2.720e-3
blood coagulation, intrinsic pathway	GO:0007597	2	GP1BA, GP1BB	8	35	133.48	9.475e-5	2.912e-3
regulation of blood coagulation	GO:0030193	2	GP1BA, EPHB2	11	35	97.08	1.855e-4	4.796e-3