

GeDiPNet Cluster 138 -- 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: 2026-10-08 23:55:16

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
heart development	GO:0007507	10	ALPK3, ANKS6, EDN1, FGF8, FOXC2, KCNQ1, STRA6, ACVRL1, GJA1, CCM2	273	45	15.21	7.639e-10	1.762e-7
response to lipopolysaccharide	GO:0032496	8	EDN1, NOS2, SELP, VCAM1, IL12RB2, MPO, NFKBIA, NOS3	161	45	20.63	4.192e-9	7.871e-7
blood vessel remodeling	GO:0001974	5	AGT, FGF8, FOXC2, ACVRL1, NOS3	42	45	49.44	5.126e-8	6.836e-6
kidney development	GO:0001822	6	AGT, ANKS6, FGF8, FOXC2, STRA6, BCL2L11	146	45	17.07	1.300e-6	1.030e-4
regulation of blood pressure	GO:0008217	5	AGT, EDN1, KCNQ1, ACVRL1, NOS3	83	45	25.02	1.626e-6	1.233e-4
blood vessel diameter maintenance	GO:0097746	4	AGT, EDN1, FOXC2, NOS3	37	45	44.89	1.828e-6	1.357e-4
cellular response to cytokine stimulus	GO:0071345	4	CCR3, NFKBIA, CSF3, CXCR4	53	45	31.34	7.881e-6	4.378e-4
negative regulation of myeloid cell differentiation	GO:0045638	3	GATA2, NFKBIA, PTK2B	19	45	65.57	1.231e-5	6.173e-4
inflammatory response	GO:0006954	8	NOS2, SELP, VCAM1, CXCR2, CCR3, NFKBIA, SERPINA3, CXCR4	467	45	7.11	1.371e-5	6.736e-4
chemokine-mediated signaling pathway	GO:0070098	4	CXCR2, CCR3, PTK2B, CXCR4	64	45	25.95	1.677e-5	7.871e-4
renal sodium ion absorption	GO:0070294	3	AGT, EDN1, KCNQ1	21	45	59.32	1.684e-5	7.889e-4
positive regulation of endothelial cell migration	GO:0010595	4	AGT, EDN1, FOXC2, PTK2B	66	45	25.17	1.896e-5	8.676e-4
positive regulation of cytosolic calcium ion concentration	GO:0007204	5	EDN1, GATA2, CXCR2, CCR3, CXCR4	137	45	15.16	1.900e-5	8.690e-4
in utero embryonic development	GO:0001701	6	ANKS6, EDN1, ACVRL1, BCL2L11, CCM2, NOS3	252	45	9.89	2.971e-5	1.218e-3
embryonic heart tube development	GO:0035050	3	EDN1, FGF8, FOXC2	26	45	47.92	3.264e-5	1.306e-3