

GeDiPNet Cluster 161 -- 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 07:35:40

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
antimicrobial humoral immune response mediated by antimicrobial peptide	GO:0061844	6	CALCA, CCL13, CCL2, CXCL1, TAC1, VIP	124	19	47.59	1.911e-9	3.956e-7
sensory perception of pain	GO:0019233	4	TRPA1, CCL2, NGF, TAC1	44	19	89.41	1.010e-7	1.205e-5
inflammatory response	GO:0006954	7	CCL13, CCL2, CXCL1, IL13, IL1RL1, IL1RN, TAC1	467	19	14.74	2.261e-7	2.402e-5
antifungal humoral response	GO:0019732	3	CALCA, TAC1, VIP	13	19	226.97	2.532e-7	2.641e-5
response to yeast	GO:0001878	3	CALCA, TAC1, VIP	16	19	184.41	4.949e-7	4.621e-5
immune response	GO:0006955	7	CCL13, CCL2, CXCL1, ICAM1, IL13, IL1RL1, IL1RN	543	19	12.68	6.259e-7	5.630e-5
regulation of blood pressure	GO:0008217	4	CALCA, PTGS1, TAC1, EDN1	83	19	47.40	1.333e-6	1.049e-4
cell-cell signaling	GO:0007267	5	CALCA, CCL13, TAC1, ADCYAP1, EDN1	234	19	21.02	2.972e-6	1.987e-4
positive regulation of cytosolic calcium ion concentration	GO:0007204	4	CALCA, TAC1, ADCYAP1, EDN1	137	19	28.72	9.838e-6	5.193e-4
body fluid secretion	GO:0007589	2	VIP, EDN1	7	19	281.01	2.051e-5	9.211e-4
antibacterial humoral response	GO:0019731	3	CALCA, TAC1, VIP	65	19	45.39	3.740e-5	1.452e-3
cellular response to toxic substance	GO:0097237	2	TRPA1, EDN1	12	19	163.92	6.425e-5	2.180e-3
activation of adenylate cyclase activity	GO:0007190	2	CALCA, ADCYAP1	15	19	131.14	1.020e-4	3.073e-3
positive regulation of cAMP/PKA signal transduction	GO:0141163	2	VIP, ADCYAP1	16	19	122.94	1.165e-4	3.401e-3
cellular response to oxygen-containing compound	GO:1901701	2	TRPA1, ICAM1	16	19	122.94	1.165e-4	3.401e-3