

GeDiPNet Cluster 458 -- 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: 2026-10-20 03:23:14. · Rows: 15 · Generated: 2026-10-19 23:18:23

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	17	53.19	8.810e-10	2.079e-7
sensory perception of pain	GO:0019233	4	TRPA1, CCL2, NGF, TAC1	44	17	99.93	6.221e-8	8.530e-6
inflammatory response	GO:0006954	7	CCL13, CCL2, CXCL1, IL13, IL1RL1, IL1RN, TAC1	467	17	16.48	9.114e-8	1.172e-5
antifungal humoral response	GO:0019732	3	CALCA, TAC1, VIP	13	17	253.67	1.778e-7	2.046e-5
immune response	GO:0006955	7	CCL13, CCL2, CXCL1, ICAM1, IL13, IL1RL1, IL1RN	543	17	14.17	2.541e-7	2.765e-5
response to yeast	GO:0001878	3	CALCA, TAC1, VIP	16	17	206.11	3.476e-7	3.595e-5
antibacterial humoral response	GO:0019731	3	CALCA, TAC1, VIP	65	17	50.73	2.638e-5	1.135e-3
regulation of blood pressure	GO:0008217	3	CALCA, PTGS1, TAC1	83	17	39.73	5.493e-5	1.981e-3
cellular response to oxygen-containing compound	GO:1901701	2	TRPA1, ICAM1	16	17	137.40	9.278e-5	2.924e-3
killing of cells of another organism	GO:0031640	3	CCL13, CXCL1, TAC1	104	17	31.71	1.076e-4	3.264e-3
defense response to Gram-negative bacterium	GO:0050829	3	CALCA, TAC1, VIP	106	17	31.11	1.139e-4	3.396e-3
response to pain	GO:0048265	2	TRPA1, TAC1	19	17	115.71	1.320e-4	3.769e-3
eosinophil chemotaxis	GO:0048245	2	CCL13, CCL2	20	17	109.92	1.466e-4	4.066e-3
positive regulation of macrophage activation	GO:0043032	2	IL13, IL1RL1	21	17	104.69	1.619e-4	4.366e-3
defense response to Gram-positive bacterium	GO:0050830	3	CALCA, TAC1, VIP	135	17	24.43	2.328e-4	5.646e-3