

GeDiPNet Cluster 488 -- 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: 2026-10-20 00:01:08

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
action potential propagation	GO:0098870	1	SCN9A	1	1	18687.00	5.351e-5	1.943e-3
detection of mechanical stimulus involved in sensory perception	GO:0050974	1	SCN9A	8	1	2335.88	4.281e-4	8.531e-3
behavioral response to pain	GO:0048266	1	SCN9A	18	1	1038.17	9.632e-4	1.423e-2
detection of temperature stimulus involved in sensory perception of pain	GO:0050965	1	SCN9A	20	1	934.35	1.070e-3	1.514e-2
cardiac muscle cell action potential involved in contraction	GO:0086002	1	SCN9A	24	1	778.63	1.284e-3	1.669e-2
neuronal action potential	GO:0019228	1	SCN9A	34	1	549.62	1.819e-3	2.024e-2
sensory perception of pain	GO:0019233	1	SCN9A	44	1	424.70	2.355e-3	2.301e-2
action potential	GO:0001508	1	SCN9A	53	1	352.58	2.836e-3	2.543e-2
post-embryonic development	GO:0009791	1	SCN9A	82	1	227.89	4.388e-3	3.147e-2
circadian rhythm	GO:0007623	1	SCN9A	82	1	227.89	4.388e-3	3.147e-2
response to toxic substance	GO:0009636	1	SCN9A	83	1	225.14	4.442e-3	3.173e-2
sodium ion transmembrane transport	GO:0035725	1	SCN9A	134	1	139.46	7.171e-3	3.980e-2
sodium ion transport	GO:0006814	1	SCN9A	144	1	129.77	7.706e-3	4.098e-2
monoatomic ion transmembrane transport	GO:0034220	1	SCN9A	404	1	46.25	2.162e-2	6.781e-2
inflammatory response	GO:0006954	1	SCN9A	467	1	40.01	2.499e-2	7.349e-2