

GeDiPNet Cluster 462 -- 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: 9 · Generated: 2026-10-20 00:01:26

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
absorption of visible light	GO:0016038	3	OPN1SW, OPN1LW, OPN1MW	6	3	3114.50	1.839e-11	6.592e-9
detection of visible light	GO:0009584	3	OPN1SW, OPN1LW, OPN1MW	15	3	1245.80	4.184e-10	1.098e-7
cellular response to light stimulus	GO:0071482	3	OPN1SW, OPN1LW, OPN1MW	16	3	1167.94	5.150e-10	1.320e-7
phototransduction	GO:0007602	3	OPN1SW, OPN1LW, OPN1MW	34	3	549.62	5.503e-9	1.046e-6
visual perception	GO:0007601	3	OPN1SW, OPN1LW, OPN1MW	215	3	86.92	1.502e-6	1.203e-4
positive regulation of cytokinesis	GO:0032467	2	OPN1LW, OPN1MW	41	3	303.85	1.407e-5	7.091e-4
G protein-coupled receptor signaling pathway	GO:0007186	3	OPN1SW, OPN1LW, OPN1MW	1031	3	18.13	1.675e-4	4.469e-3
signal transduction	GO:0007165	3	OPN1SW, OPN1LW, OPN1MW	2125	3	8.79	1.469e-3	1.814e-2
cellular response to UV-A	GO:0071492	1	OPN1SW	11	3	566.27	1.765e-3	1.990e-2