

GeDiPNet Cluster 217 -- 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: 2026-10-07 03:23:06. · Rows: 15 · Generated: 2026-10-07 15:48:13

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	4	OPN1SW, OPN1LW, OPN1MW, OPN1MW2	6	5	2491.60	1.476e-14	9.322e-12
detection of visible light	GO:0009584	4	OPN1SW, OPN1LW, OPN1MW, OPN1MW2	15	5	996.64	1.343e-12	6.038e-10
cellular response to light stimulus	GO:0071482	4	OPN1SW, OPN1LW, OPN1MW, OPN1MW2	16	5	934.35	1.791e-12	7.752e-10
phototransduction	GO:0007602	4	OPN1SW, OPN1LW, OPN1MW, OPN1MW2	34	5	439.69	4.559e-11	1.419e-8
visual perception	GO:0007601	5	OPN1SW, OPN1LW, OPN1MW, RPGR, OPN1MW2	215	5	86.92	1.925e-10	5.163e-8
positive regulation of cytokinesis	GO:0032467	3	OPN1LW, OPN1MW, OPN1MW2	41	5	273.47	9.773e-8	1.181e-5
G protein-coupled receptor signaling pathway	GO:0007186	4	OPN1SW, OPN1LW, OPN1MW, OPN1MW2	1031	5	14.50	4.405e-5	1.639e-3
signal transduction	GO:0007165	4	OPN1SW, OPN1LW, OPN1MW, OPN1MW2	2125	5	7.04	7.582e-4	1.258e-2
protein localization to non-motile cilium	GO:0097499	1	RPGR	4	5	934.35	1.070e-3	1.569e-2
cellular response to UV-A	GO:0071492	1	OPN1SW	11	5	339.76	2.940e-3	2.793e-2
eye photoreceptor cell development	GO:0042462	1	RPGR	21	5	177.97	5.607e-3	3.882e-2
intraciliary transport	GO:0042073	1	RPGR	36	5	103.82	9.596e-3	5.006e-2
cilium organization	GO:0044782	1	RPGR	40	5	93.44	1.066e-2	5.295e-2
positive regulation of autophagy	GO:0010508	1	RPGR	92	5	40.62	2.438e-2	7.940e-2
cell projection organization	GO:0030030	1	RPGR	214	5	17.46	5.597e-2	1.231e-1