

GeDiPNet Cluster 532 -- 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 03:23:13. · Rows: 15 · Generated: 2026-10-20 00:01:22

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
visual perception	GO:0007601	3	CACNA1F, OPN1MW, RPGR	215	3	86.92	1.502e-6	1.203e-4
protein localization to non-motile cilium	GO:0097499	1	RPGR	4	3	1557.25	6.421e-4	1.113e-2
negative regulation of voltage-gated calcium channel activity	GO:1901386	1	CACNA1F	6	3	1038.17	9.630e-4	1.423e-2
absorption of visible light	GO:0016038	1	OPN1MW	6	3	1038.17	9.630e-4	1.423e-2
detection of visible light	GO:0009584	1	OPN1MW	15	3	415.27	2.406e-3	2.324e-2
cellular response to light stimulus	GO:0071482	1	OPN1MW	16	3	389.31	2.567e-3	2.402e-2
eye photoreceptor cell development	GO:0042462	1	RPGR	21	3	296.62	3.368e-3	2.763e-2
detection of light stimulus involved in visual perception	GO:0050908	1	CACNA1F	24	3	259.54	3.848e-3	2.937e-2
calcium ion import across plasma membrane	GO:0098703	1	CACNA1F	28	3	222.46	4.489e-3	3.173e-2
phototransduction	GO:0007602	1	OPN1MW	34	3	183.21	5.449e-3	3.469e-2
intraciliary transport	GO:0042073	1	RPGR	36	3	173.03	5.769e-3	3.561e-2
cilium organization	GO:0044782	1	RPGR	40	3	155.73	6.408e-3	3.733e-2
positive regulation of cytokinesis	GO:0032467	1	OPN1MW	41	3	151.93	6.568e-3	3.799e-2
positive regulation of autophagy	GO:0010508	1	RPGR	92	3	67.71	1.470e-2	5.584e-2
calcium ion transmembrane transport	GO:0070588	1	CACNA1F	149	3	41.81	2.373e-2	7.143e-2