

GeDiPNet Cluster 315 -- 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: 2026-10-10 03:23:27. · Rows: 15 · Generated: 2026-10-10 06:06:45

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
potassium ion transport	GO:0006813	4	NOS3, KCNIP1, KCNMB1, NOS1	152	12	40.98	1.980e-6	1.477e-4
L-arginine catabolic process	GO:0006527	2	NOS3, NOS1	6	12	519.08	5.662e-6	3.428e-4
negative regulation of potassium ion transport	GO:0043267	2	NOS3, NOS1	8	12	389.31	1.056e-5	5.634e-4
negative regulation of calcium ion transport	GO:0051926	2	NOS3, NOS1	10	12	311.45	1.696e-5	8.145e-4
nitric oxide mediated signal transduction	GO:0007263	2	NOS3, NOS1	13	12	239.58	2.937e-5	1.242e-3
regulation of sodium ion transport	GO:0002028	2	NOS3, NOS1	19	12	163.92	6.425e-5	2.243e-3
nitric oxide biosynthetic process	GO:0006809	2	NOS3, NOS1	23	12	135.41	9.493e-5	3.020e-3
negative regulation of blood pressure	GO:0045776	2	NOS3, NOS1	28	12	111.23	1.416e-4	4.043e-3
blood circulation	GO:0008015	2	NOS3, NOS1	41	12	75.96	3.057e-4	7.055e-3
response to heat	GO:0009408	2	NOS3, NOS1	41	12	75.96	3.057e-4	7.055e-3
cell redox homeostasis	GO:0045454	2	NOS3, NOS1	44	12	70.78	3.523e-4	7.755e-3
vasodilation	GO:0042311	2	NOS3, NOS1	50	12	62.29	4.552e-4	9.291e-3
response to hormone	GO:0009725	2	NOS3, NOS1	55	12	56.63	5.508e-4	1.053e-2
synaptic signaling by nitric oxide	GO:0099163	1	NOS1	1	12	1557.25	6.422e-4	1.165e-2
positive regulation of sodium ion transmembrane transport	GO:1902307	1	NOS1	1	12	1557.25	6.422e-4	1.165e-2