

GeDiPNet Cluster 194 -- 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 04:00:24

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
vasodilation	GO:0042311	6	AGTR2, INS, TNF, ACE, BDKRB2, S100A1	50	34	65.95	3.417e-10	8.581e-8
blood vessel remodeling	GO:0001974	5	AGT, AGTR2, IGF1, ATP7A, ACE	42	34	65.43	1.189e-8	1.986e-6
positive regulation of cytokine production	GO:0001819	5	AGT, INS, TNF, SOD1, AGER	81	34	33.93	3.404e-7	3.382e-5
regulation of blood pressure	GO:0008217	5	AGT, AGTR2, SOD1, POMC, ACE	83	34	33.11	3.848e-7	3.750e-5
nitric oxide-cGMP-mediated signaling	GO:0038060	3	AGT, AGTR2, INS	10	34	164.89	6.546e-7	5.865e-5
positive regulation of smooth muscle cell proliferation	GO:0048661	4	HMOX1, IGF1, TNF, S1PR1	52	34	42.28	2.324e-6	1.625e-4
cellular response to amyloid-beta	GO:1904646	4	APOA1, IGF1, TNF, AGER	53	34	41.48	2.510e-6	1.727e-4
angiotensin-activated signaling pathway	GO:0038166	3	AGT, AGTR2, ACE	16	34	103.05	3.032e-6	2.012e-4
regulation of renal output by angiotensin	GO:0002019	2	AGT, ACE	2	34	549.62	3.213e-6	2.111e-4
G protein-coupled receptor signaling pathway coupled to cGMP nucleotide second messenger	GO:0007199	2	AGT, AGTR2	2	34	549.62	3.213e-6	2.111e-4
regulation of vasoconstriction	GO:0019229	3	AGT, ACE, BDKRB2	23	34	71.69	9.506e-6	5.021e-4
response to hypoxia	GO:0001666	5	RYR2, TNF, AGER, PLAT, RYR1	176	34	15.61	1.561e-5	7.424e-4
inflammatory response	GO:0006954	7	AGTR2, TNF, HP, AGER, BDKRB1, BDKRB2, NFE2L2	467	34	8.24	1.745e-5	8.052e-4
negative regulation of neurotrophin TRK receptor signaling pathway	GO:0051387	2	AGT, AGTR2	4	34	274.81	1.924e-5	8.709e-4
response to macrophage colony-stimulating factor	GO:0036005	2	SPP1, TNF	4	34	274.81	1.924e-5	8.709e-4