

GeDiPNet Cluster 204 -- 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 12:42:35

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
estrogen receptor signaling pathway	GO:0030520	3	AR, ESR1, ESR2	24	15	155.73	8.384e-7	7.186e-5
cellular response to bisphenol A	GO:1903926	2	CHEK2, DNMT1	4	15	622.90	3.605e-6	2.311e-4
negative regulation of vascular associated smooth muscle cell proliferation	GO:1904706	3	CDKN1B, GSTP1, PTEN	43	15	86.92	5.065e-6	3.039e-4
positive regulation of DNA-templated transcription	GO:0045893	6	AR, CHEK2, CDH1, ESR1, ESR2, PIM1	778	15	9.61	1.851e-5	8.446e-4
cellular response to lithium ion	GO:0071285	2	CDH1, CDKN1B	15	15	166.11	6.277e-5	2.133e-3
cellular response to oxygen-containing compound	GO:1901701	2	ESR1, ESR2	16	15	155.73	7.170e-5	2.359e-3
mammary gland alveolus development	GO:0060749	2	AR, ESR1	17	15	146.56	8.122e-5	2.590e-3
negative regulation of growth	GO:0045926	2	CDKN1B, MT2A	18	15	138.42	9.133e-5	2.827e-3
cellular response to estrogen stimulus	GO:0071391	2	AR, ESR1	19	15	131.14	1.020e-4	3.068e-3
negative regulation of DNA-binding transcription factor activity	GO:0043433	2	ESR1, PIM1	23	15	108.33	1.507e-4	4.109e-3
positive regulation of DNA-binding transcription factor activity	GO:0051091	2	ESR1, ESR2	27	15	92.28	2.087e-4	5.198e-3
apoptotic process	GO:0006915	5	CHEK2, TOX3, CDKN1B, PIM1, PTEN	747	15	8.34	2.164e-4	5.329e-3
cellular response to estradiol stimulus	GO:0071392	2	ESR1, ESR2	36	15	69.21	3.730e-4	7.800e-3
negative regulation of extrinsic apoptotic signaling pathway	GO:2001237	2	AR, GSTP1	41	15	60.77	4.843e-4	9.338e-3
DNA damage response, signal transduction by p53 class mediator	GO:0030330	2	CHEK2, CDKN1B	48	15	51.91	6.641e-4	1.154e-2