

GeDiPNet Cluster 180 -- 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 11:57:36

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
urate metabolic process	GO:0046415	5	ABCG2, SLC22A12, GCKR, SLC2A9, SLC17A3	10	192	48.66	2.627e-8	3.944e-6
urate transport	GO:0015747	5	ABCG2, SLC22A12, SLC2A9, UMOD, SLC17A3	11	192	44.24	4.776e-8	6.532e-6
potassium ion homeostasis	GO:0055075	6	KCNQ1, UMOD, ATP6V1B1, SCNN1B, SLC12A1, SLC12A3	21	192	27.81	5.193e-8	7.008e-6
chloride ion homeostasis	GO:0055064	5	KCNQ1, UMOD, ATP6V1B1, SLC12A1, SLC12A3	13	192	37.43	1.308e-7	1.510e-5
monoatomic ion transport	GO:0006811	23	SLC22A2, SLC30A10, SLC34A1, TRPV5, TRPV6, SLC22A12, KCNQ1, PKD2, SLC25A26, SLC5A8, ATP6V1B1, CLDN10	667	192	3.36	3.909e-7	3.801e-5
renal urate salt excretion	GO:0097744	3	ABCG2, SLC22A12, UMOD	3	192	97.33	1.068e-6	8.736e-5
response to vitamin D	GO:0033280	5	ALPL, CYP24A1, STC1, TGFBI, BGLAP	21	192	23.17	1.935e-6	1.401e-4
cellular response to cAMP	GO:0071320	7	AHR, AQP1, STC1, KCNQ1, PKD2, FBP1, CPS1	58	192	11.75	2.092e-6	1.492e-4
intracellular phosphate ion homeostasis	GO:0030643	4	ABCC6, SLC34A1, UMOD, SLC34A3	10	192	38.93	2.161e-6	1.533e-4
kidney development	GO:0001822	10	OVOL1, SLC34A1, SNX17, TFAP2B, VEGFA, BICC1, LRP2, PKD2, UMOD, REN	146	192	6.67	2.739e-6	1.852e-4
renal absorption	GO:0070293	4	HBB, KCNQ1, CLDN16, CLDN19	11	192	35.39	3.369e-6	2.192e-4
phospholipase C-activating G protein-coupled receptor signaling pathway	GO:0007200	9	CASR, DGKD, DGKH, OPRL1, PTGER1, VEGFA, HCRTR2, PLCB1, OXGR1	120	192	7.30	4.145e-6	2.581e-4
calcium ion homeostasis	GO:0055074	6	ABCC6, ALPL, TRPV5, TRPV6, UMOD, ATP6V1B1	42	192	13.90	4.196e-6	2.606e-4
transmembrane transport	GO:0055085	19	ABCC6, ABCG2, AQP1, SLC22A2, SLC30A10, TRPV5, TRPV6, SLC22A12, KCNQ1, SLC2A9, SLC5A8, SLC12A1	557	192	3.32	5.001e-6	3.005e-4
IMP salvage	GO:0032264	3	HPRT1, AMPD3, APRT	5	192	58.40	1.052e-5	5.421e-4