

GeDiPNet Cluster 234 -- 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 13:30:46

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
response to ATP	GO:0033198	3	ABCC9, KCNJ8, KCNJ11	18	15	207.63	3.390e-7	3.370e-5
inorganic cation transmembrane transport	GO:0098662	3	ABCC9, KCNJ8, KCNJ11	23	15	162.50	7.339e-7	6.460e-5
response to resveratrol	GO:1904638	2	KCNJ8, KCNJ11	3	15	830.53	1.803e-6	1.327e-4
determination of adult lifespan	GO:0008340	3	KCNJ8, KCNJ11, NAGLU	38	15	98.35	3.471e-6	2.245e-4
potassium ion import across plasma membrane	GO:1990573	3	ABCC9, KCNJ8, KCNJ11	46	15	81.25	6.221e-6	3.572e-4
CAMKK-AMPK signaling cascade	GO:0061762	2	KCNJ8, KCNJ11	6	15	415.27	9.004e-6	4.814e-4
action potential	GO:0001508	3	ABCC9, KCNJ8, KCNJ11	53	15	70.52	9.569e-6	5.043e-4
response to stress	GO:0006950	3	ABCC9, KCNJ8, KCNJ11	53	15	70.52	9.569e-6	5.043e-4
response to hypoxia	GO:0001666	4	ABCC9, KCNJ8, CREBBP, KCNJ11	176	15	28.31	9.572e-6	5.043e-4
heart morphogenesis	GO:0003007	3	ABCC9, KCNJ8, ASXL1	61	15	61.27	1.464e-5	7.036e-4
ventricular cardiac muscle tissue development	GO:0003229	2	KCNJ8, KCNJ11	9	15	276.84	2.158e-5	9.541e-4
hypothalamus development	GO:0021854	2	RAB3GAP1, SOX3	15	15	166.11	6.277e-5	2.133e-3
regulation of monoatomic ion transmembrane transport	GO:0034765	2	KCNJ8, KCNJ11	23	15	108.33	1.507e-4	4.109e-3
circulatory system development	GO:0072359	2	ABCC9, KCNJ8	24	15	103.82	1.643e-4	4.388e-3
coronary vasculature development	GO:0060976	2	ABCC9, KCNJ8	27	15	92.28	2.087e-4	5.198e-3