

GeDiPNet Cluster 375 -- 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: 2026-10-08 03:23:04. · Rows: 15 · Generated: 2026-10-08 08:45:25

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
biomineral tissue development	GO:0031214	10	AMBN, AMELX, ENAM, FAM20A, FAM20C, FAM83H, KLK4, WDR72, AMTN, DSPP	35	31	172.23	5.560e-21	1.022e-17
amelogenesis	GO:0097186	6	AMELX, ENAM, KLK4, MMP20, RELT, SLC24A4	12	31	301.40	1.143e-14	7.218e-12
enamel mineralization	GO:0070166	5	AMELX, FAM20A, FAM20C, ITGB6, SLC24A4	14	31	215.29	1.774e-11	6.131e-9
positive regulation of enamel mineralization	GO:0070175	3	ENAM, ODAFH, AMTN	5	31	361.68	4.124e-8	5.748e-6
odontoblast differentiation	GO:0071895	3	DLX3, FAM20C, DSPP	8	31	226.05	2.302e-7	2.483e-5
odontogenesis	GO:0042476	4	ACP4, SP6, SSUH2, COL1A2	36	31	66.98	3.516e-7	3.516e-5
odontogenesis of dentin-containing tooth	GO:0042475	4	AMBN, AMELX, DLX3, AMTN	56	31	43.06	2.142e-6	1.550e-4
tooth mineralization	GO:0034505	2	AMELX, COL1A1	3	31	401.87	7.982e-6	4.462e-4
positive regulation of biomineral tissue development	GO:0070169	2	ODAFH, AMTN	5	31	241.12	2.655e-5	1.131e-3
epidermis development	GO:0008544	4	COL17A1, LAMB3, COL7A1, LAMC2	114	31	21.15	3.640e-5	1.441e-3
dentinogenesis	GO:0097187	2	FAM20C, DSPP	7	31	172.23	5.564e-5	1.986e-3
cell adhesion	GO:0007155	7	AMBN, AMELX, ITGB6, LAMB3, COL7A1, LAMC2, AMTN	665	31	6.35	8.732e-5	2.800e-3
skeletal system development	GO:0001501	4	FAM20C, LTBP3, COL1A1, COL1A2	151	31	15.97	1.088e-4	3.287e-3
skin morphogenesis	GO:0043589	2	COL1A1, COL1A2	13	31	92.74	2.054e-4	5.262e-3
blood vessel development	GO:0001568	3	DLX3, COL1A1, COL1A2	70	31	25.83	2.099e-4	5.328e-3