

GeDiPNet Shared-Gene Disease Pairs

Similarity: Jaccard index on shared curated genes (disease_gdp). Significance: upper-tail hypergeometric test ($P(X \geq k)$), Benjamini-Hochberg FDR-corrected across all tested pairs. Corroborated Shared Genes: count of shared genes backed by ≥ 2 distinct disease_gdp.main_source values combined across both diseases (e.g. GWAS-backed for one, ClinVar-backed for the other still counts); Shared Gene Names lists each gene's own source count in parentheses. Overlap Coefficient: shared genes / MIN(each disease's own total gene count) -- complements the Jaccard-based Similarity Score by showing how much of the SMALLER disease's entire known gene-set is covered by this pair, which Jaccard (dividing by the union) can understate. Shared Cluster: cluster id if both diseases fall in the same label-propagation cluster (scripts/build_disease_clusters.php), blank otherwise. See scripts/build_related.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-11 03:00:14. Filters applied: disease name contains "Cleidocranial dysplasia" (5 matching pairs). · Rows: 5 · Generated: 2026-10-11 19:02:59

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Cleidocranial dysplasia	Uremia	1	1	RUNX2 (6)	0.04762	0.33333	3.503e-3	4.517e-3	
Cleidocranial dysplasia	Diffuse idiopathic skeletal hyperostosis	1	1	SUPT3H (2)	0.07143	0.33333	2.142e-3	3.044e-3	
Cleidocranial dysplasia	Tooth abnormalities	1	1	RUNX2 (6)	0.07692	0.33333	1.947e-3	2.828e-3	
Cleidocranial dysplasia	Facial nerve disorder	1	1	SUPT3H (2)	0.09091	0.33333	1.558e-3	2.376e-3	
Cleidocranial dysplasia	Metaphyseal dysplasia	1	1	RUNX2 (6)	0.16667	0.33333	5.844e-4	1.156e-3	