

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 "Anauxetic dysplasia" (5 matching pairs). · Rows: 5 · Generated: 2026-10-11 20:13:15

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Anauxetic dysplasia	Diabetes mellitus type 2	1	1	CCDC107 (2)	0.00032	0.25000	5.905e-1	5.906e-1	
Anauxetic dysplasia	Desbuquois syndrome	1	1	POP1 (5)	0.00175	0.25000	1.394e-1	1.406e-1	
Anauxetic dysplasia	Prion disease	1	1	POP1 (6)	0.04762	0.25000	4.409e-3	5.528e-3	
Anauxetic dysplasia	Metaphyseal dysplasia	1	0	CCDC107 (1)	0.14286	0.33333	7.792e-4	1.405e-3	
Anauxetic dysplasia	Cartilage-hair hypoplasia	1	0	CCDC107 (1)	0.16667	0.50000	5.195e-4	1.061e-3	