

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: 2026-10-20 03:00:20. Filters applied: disease name contains "Syndromic intellectual disability and developmental delay" (5 matching pairs). · Rows: 5 · Generated: 2026-10-20 03:39:18

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Neurodevelopmental disorder	Syndromic intellectual disability and developmental delay	1	1	SMARCC2 (2)	0.00099	1.00000	6.495e-2	6.624e-2	
Intellectual developmental disorder	Syndromic intellectual disability and developmental delay	1	1	SMARCC2 (2)	0.00123	1.00000	5.262e-2	5.418e-2	
Global developmental delay	Syndromic intellectual disability and developmental delay	1	0	SMARCC2 (1)	0.00229	1.00000	2.815e-2	2.962e-2	
Intellectual disability	Syndromic intellectual disability and developmental delay	1	0	SMARCC2 (1)	0.00242	1.00000	2.667e-2	2.816e-2	
Coffin-siris syndrome	Syndromic intellectual disability and developmental delay	1	1	SMARCC2 (8)	0.05556	1.00000	1.098e-3	1.651e-3	