

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: 2026-10-10 03:00:13. Filters applied: disease name contains "Developmental delay with short stature and dysmorphic facial features" (5 matching pairs). · Rows: 5 · Generated: 2026-10-10 02:33:58

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Craniofacial dysplasia short stature ectodermal anomalies intellectual disability syndrome	Developmental delay with short stature and dysmorphic facial features	2	2	DPH1 (8), DPH2 (4)	0.66667	1.00000	8.436e-9	6.818e-8	
Dandy-walker syndrome	Developmental delay with short stature and dysmorphic facial features	1	1	DPH1 (7)	0.04545	0.50000	2.596e-3	3.514e-3	
Developmental delay with short stature and dysmorphic facial features	Intracerebral hemorrhage	1	1	DPH1 (6)	0.04348	0.50000	2.726e-3	3.665e-3	
Developmental delay with short stature and dysmorphic facial features	Hydrocephalus	1	1	DPH1 (7)	0.03571	0.50000	3.374e-3	4.374e-3	
Developmental delay with short stature and dysmorphic facial features	Ventricular septal defect	1	1	DPH2 (3)	0.02273	0.50000	5.448e-3	6.629e-3	