

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 "PHIP-related behavioral problems-intellectual disability-obesity-dysmorphic features syndrome" (5 matching pairs). · Rows: 5 · Generated: 2026-10-11 08:34:50

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Chung-jansen syndrome	PHIP-related behavioral problems-intellectual disability-obesity-dysmorphic features syndrome	1	1	PHIP (2)	0.50000	1.00000	6.494e-5	2.331e-4	
Developmental delay with intellectual disability and obesity	PHIP-related behavioral problems-intellectual disability-obesity-dysmorphic features syndrome	1	1	PHIP (2)	0.50000	1.00000	6.494e-5	2.331e-4	
PHIP-related behavioral problems-intellectual disability-obesity-dysmorphic features syndrome	Sjogren syndrome	1	1	PHIP (4)	0.01389	1.00000	4.611e-3	5.734e-3	
Intellectual developmental disorder, x-linked	PHIP-related behavioral problems-intellectual disability-obesity-dysmorphic features syndrome	1	1	PHIP (2)	0.01111	1.00000	5.780e-3	6.997e-3	
Heart failure	PHIP-related behavioral problems-intellectual disability-obesity-dysmorphic features syndrome	1	1	PHIP (2)	0.00212	1.00000	3.052e-2	3.240e-2	