

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: 2026-10-12 03:00:13. Filters applied: disease name contains "Periventricular heterotopia, x-linked" (7 matching pairs). · Rows: 7 · Generated: 2026-10-12 01:26:22

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
hereditary von Willebrand disease	Periventricular heterotopia, x-linked	1	1	VWF (2)	0.12500	1.00000	4.546e-4	9.726e-4	
Periventricular heterotopia with microcephaly, autosomal recessive	Periventricular heterotopia, x-linked	1	1	ARFGEF2 (4)	0.12500	1.00000	4.546e-4	9.726e-4	
Periventricular heterotopia, x-linked	Periventricular laminar heterotopia	1	0	ARFGEF2 (1)	0.12500	1.00000	4.546e-4	9.726e-4	
Congenital idiopathic intestinal pseudoobstruction	Periventricular heterotopia, x-linked	1	1	FLNA (2)	0.12500	1.00000	4.546e-4	9.726e-4	
Otopalatodigital spectrum disorder	Periventricular heterotopia, x-linked	1	1	FLNA (2)	0.12500	1.00000	4.546e-4	9.726e-4	
Periventricular heterotopia, x-linked	periventricular nodular heterotopia 7	1	1	NEDD4L (2)	0.12500	1.00000	4.546e-4	9.726e-4	
Periventricular heterotopia, x-linked	Periventricular nodular heterotopia	6	6	ARFGEF2 (3), FLNA (7), MAP1B (6), NEDD4L (6), ARF1 (6), ERMARD (8)	0.42857	0.85714	3.496e-19	6.366e-18	