

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 "neonatal severe primary hyperparathyroidism" (7 matching pairs). · Rows: 7 · Generated: 2026-10-11 07:29:31

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Benign hypercalcemia	neonatal severe primary hyperparathyroidism	1	1	CASR (2)	0.33333	1.00000	1.299e-4	3.931e-4	
Hypocalciuric hypercalcemia	neonatal severe primary hyperparathyroidism	1	1	CASR (7)	0.25000	1.00000	1.948e-4	5.354e-4	
Kidney and ureter calculus	neonatal severe primary hyperparathyroidism	1	1	CASR (2)	0.20000	1.00000	2.598e-4	6.509e-4	
Gitelman syndrome	neonatal severe primary hyperparathyroidism	1	1	CASR (2)	0.14286	1.00000	3.897e-4	8.665e-4	
Hypocalcemia	neonatal severe primary hyperparathyroidism	1	1	CASR (7)	0.14286	1.00000	3.897e-4	8.665e-4	
Hereditary chronic pancreatitis	neonatal severe primary hyperparathyroidism	1	1	CASR (2)	0.11111	1.00000	5.195e-4	1.061e-3	
Bartter syndrome	neonatal severe primary hyperparathyroidism	1	1	CASR (2)	0.10000	1.00000	5.845e-4	1.156e-3	