

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 "Micrognathia" (26 matching pairs). · Rows: 26 · Generated: 2026-10-20 10:28:34

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Bilateral parasagittal parieto-occipital polymicrogyria	Cleidocranial dysplasia with micrognathia, absent thumbs, and distal aphalangia (yunis-varon syndrome)	1	1	FIG4 (5)	0.50000	1.00000	6.457e-5	1.985e-4	166
Short stature-micrognathia syndrome	Short stature, rhizomelic, with microcephaly, micrognathia, and developmental delay	1	0	ARCN1 (1)	0.50000	1.00000	6.457e-5	1.985e-4	
Cataract 46, juvenile-onset	Wormian bones-micrognathia-abnormal dentition-progeroid syndrome	1	1	LEMD2 (2)	0.50000	1.00000	6.457e-5	1.985e-4	474
Cataract 46, juvenile-onset, with or without arrhythmic cardiomyopathy	Wormian bones-micrognathia-abnormal dentition-progeroid syndrome	1	1	LEMD2 (2)	0.50000	1.00000	6.457e-5	1.985e-4	474
Cleidocranial dysplasia with micrognathia, absent thumbs, and distal aphalangia (yunis-varon syndrome)	Polymicrogyria, bilateral temporooccipital	1	0	FIG4 (1)	0.50000	1.00000	6.457e-5	1.985e-4	166
Microstomia	Wormian bones-micrognathia-abnormal dentition-progeroid syndrome	1	1	LEMD2 (2)	0.50000	1.00000	6.457e-5	1.985e-4	474
Congenital hypoplasia of clavicle	Wormian bones-micrognathia-abnormal dentition-progeroid syndrome	1	1	LEMD2 (2)	0.50000	1.00000	6.457e-5	1.985e-4	474
Early progeroid syndrome	Wormian bones-micrognathia-abnormal dentition-progeroid syndrome	1	1	LEMD2 (2)	0.50000	1.00000	6.457e-5	1.985e-4	474
Amyotrophic lateral sclerosis type 11	Cleidocranial dysplasia with micrognathia, absent thumbs, and distal aphalangia (yunis-varon syndrome)	1	1	FIG4 (2)	0.50000	1.00000	6.457e-5	1.985e-4	166
Cystic hygroma	Micrognathia	1	0	NMNAT2 (1)	0.33333	1.00000	1.291e-4	3.269e-4	
Mandibulofacial dysostosis, Cincinnati type	Micrognathia	1	0	POLR1A (1)	0.33333	1.00000	1.291e-4	3.269e-4	
Hypoplastic cerebellum	Micrognathia	1	0	NMNAT2 (1)	0.33333	1.00000	1.291e-4	3.269e-4	
Cleidocranial dysplasia with micrognathia, absent thumbs, and distal aphalangia (yunis-varon syndrome)	Yunis-varon syndrome	1	1	FIG4 (6)	0.33333	1.00000	1.291e-4	3.269e-4	166
Burn-mckeown syndrome	Micrognathia	1	1	POLR1A (3)	0.25000	0.50000	2.583e-4	5.384e-4	
Cleidocranial dysplasia with micrognathia, absent thumbs, and distal aphalangia (yunis-varon syndrome)	Micropenis	1	1	FIG4 (2)	0.20000	1.00000	2.583e-4	5.384e-4	166
Acrofacial dysostosis	Micrognathia	1	1	POLR1A (2)	0.16667	0.50000	5.165e-4	9.125e-4	
Microcephalic dwarfism	Short stature-micrognathia syndrome	1	0	ARCN1 (1)	0.05882	1.00000	1.033e-3	1.574e-3	
Microcephalic dwarfism	Short stature, rhizomelic, with microcephaly, micrognathia, and developmental delay	1	0	ARCN1 (1)	0.05882	1.00000	1.033e-3	1.574e-3	

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Ataxia	Short stature-micrognathia syndrome	1	1	ARCN1 (2)	0.02632	1.00000	2.389e-3	3.123e-3	
Ataxia	Short stature, rhizomelic, with microcephaly, micrognathia, and developmental delay	1	1	ARCN1 (2)	0.02632	1.00000	2.389e-3	3.123e-3	
Corpus callosum agenesis with intellectual disability, coloboma, micrognathia	Intellectual developmental disorder, x-linked	1	1	IGBP1 (8)	0.01099	1.00000	5.811e-3	6.843e-3	82
Corpus callosum agenesis with intellectual disability, coloboma, micrognathia	Lung neoplasms	1	1	IGBP1 (8)	0.00398	1.00000	1.614e-2	1.753e-2	
Breast neoplasms	Corpus callosum agenesis with intellectual disability, coloboma, micrognathia	1	1	IGBP1 (8)	0.00190	1.00000	3.396e-2	3.559e-2	
Desbuquois syndrome	Short stature-micrognathia syndrome	1	1	ARCN1 (2)	0.00177	1.00000	3.648e-2	3.803e-2	
Desbuquois syndrome	Short stature, rhizomelic, with microcephaly, micrognathia, and developmental delay	1	1	ARCN1 (2)	0.00177	1.00000	3.648e-2	3.803e-2	
Corpus callosum agenesis with intellectual disability, coloboma, micrognathia	Hepatocellular carcinoma	1	1	IGBP1 (8)	0.00089	1.00000	7.231e-2	7.345e-2	