

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 "Craniofacial dysostosis" (6 matching pairs). · Rows: 6 · Generated: 2026-10-11 17:51:38

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Craniofacial dysostosis	Crouzon syndrome	2	2	FGFR2 (7), ERF (2)	0.50000	1.00000	2.531e-8	1.927e-7	
Craniofacial dysostosis	Lacrimoauriculodentodigital syndrome	2	2	FGFR3 (5), FGFR2 (4)	0.40000	0.66667	7.592e-8	5.413e-7	
Craniofacial dysostosis	Ladd syndrome	2	2	FGFR3 (3), FGFR2 (5)	0.40000	0.66667	7.592e-8	5.413e-7	
Craniofacial dysostosis	Saethre-chotzen syndrome	2	2	FGFR3 (2), FGFR2 (6)	0.40000	0.66667	7.592e-8	5.413e-7	
Achondroplasia	Craniofacial dysostosis	1	1	FGFR3 (2)	0.25000	1.00000	1.948e-4	5.354e-4	
Craniofacial dysostosis	craniosynostosis 4	1	1	ERF (2)	0.25000	1.00000	1.948e-4	5.354e-4	