

GeDiPNet Cluster 4 -- Pairs Within Cluster

Similarity: Jaccard index on shared curated genes (disease_gdp). Significance: upper-tail hypergeometric test, Benjamini-Hochberg FDR-corrected across all tested pairs. See scripts/build_related.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-07 17:17:47. · Rows: 89 · Generated: 2026-10-07 15:51:07

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Breast neoplasms	Prostatic neoplasms	0.10950	113	8.250e-52	4.471e-50
Transitional cell carcinoma	Urinary bladder neoplasms	0.17333	26	4.401e-48	2.197e-46
Breast neoplasms	Colorectal neoplasms	0.09918	73	2.044e-43	9.234e-42
Breast neoplasms	Lung neoplasms	0.09659	68	1.959e-42	8.663e-41
Lung neoplasms	Prostatic neoplasms	0.08755	71	5.915e-40	2.484e-38
Breast neoplasms	Ovarian neoplasms	0.08347	50	7.699e-40	3.215e-38
Prostatic neoplasms	Urinary bladder neoplasms	0.07692	55	1.294e-39	5.380e-38
Breast neoplasms	Non-small-cell lung carcinoma	0.08197	50	8.170e-38	3.224e-36
Breast neoplasms	Urinary bladder neoplasms	0.08020	49	1.391e-36	5.378e-35
Breast neoplasms	Stomach neoplasms	0.08851	67	7.655e-36	2.870e-34
Lung neoplasms	Stomach neoplasms	0.09785	50	1.414e-35	5.196e-34
Prostatic neoplasms	Stomach neoplasms	0.08102	70	2.833e-33	9.716e-32
Lung neoplasms	Non-small-cell lung carcinoma	0.09366	34	3.815e-30	1.174e-28
Ovarian neoplasms	Pancreatic neoplasms	0.11659	26	4.264e-30	1.310e-28
Colonic neoplasms	Colorectal neoplasms	0.08791	40	2.065e-29	6.163e-28
Colorectal neoplasms	Pancreatic neoplasms	0.08488	32	1.624e-28	4.710e-27
Colonic neoplasms	Stomach neoplasms	0.08280	39	2.079e-27	5.760e-26
Colonic neoplasms	Ovarian neoplasms	0.09121	28	2.992e-26	7.785e-25
Lung neoplasms	Ovarian neoplasms	0.08427	30	4.617e-26	1.191e-24
Colorectal neoplasms	Urinary bladder neoplasms	0.07960	32	1.292e-25	3.273e-24
Colorectal neoplasms	Ovarian neoplasms	0.07908	31	1.536e-25	3.862e-24
Liver neoplasms	Lung neoplasms	0.08245	31	2.958e-25	7.357e-24
Lymphatic metastasis	Ovarian neoplasms	0.10204	15	5.405e-24	1.251e-22
Breast neoplasms	Liver neoplasms	0.06181	39	6.937e-24	1.591e-22
Breast neoplasms	Mesothelioma	0.06080	38	1.161e-23	2.640e-22
Pancreatic neoplasms	Urinary bladder neoplasms	0.09244	22	5.148e-23	1.126e-21
Colonic neoplasms	Lung neoplasms	0.07512	32	2.143e-22	4.543e-21
Colorectal neoplasms	Stomach neoplasms	0.07168	40	2.227e-22	4.714e-21
Colonic neoplasms	Pancreatic neoplasms	0.08081	24	3.646e-22	7.665e-21
Lung neoplasms	Mesothelioma	0.06952	26	7.835e-20	1.489e-18

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Non-small-cell lung carcinoma	Urinary bladder neoplasms	0.07955	21	1.020e-19	1.928e-18
Non-small-cell lung carcinoma	Uterine neoplasms	0.08383	14	1.339e-19	2.505e-18
Urinary bladder neoplasms	Uterine neoplasms	0.08383	14	1.339e-19	2.505e-18
Carcinoma	Stomach neoplasms	0.06546	29	1.775e-19	3.283e-18
Carcinoma	Lung neoplasms	0.06870	27	1.786e-19	3.300e-18
Pancreatic neoplasms	Thyroid neoplasms	0.09333	14	1.879e-19	3.469e-18
Esophageal neoplasms	Non-small-cell lung carcinoma	0.07960	16	4.921e-18	8.507e-17
Liver neoplasms	Non-small-cell lung carcinoma	0.07273	20	8.693e-18	1.477e-16
Lymphatic metastasis	Non-small-cell lung carcinoma	0.07453	12	1.770e-17	2.981e-16
Carcinoma	Pancreatic neoplasms	0.07197	19	1.821e-17	3.062e-16
Carcinoma	Esophageal neoplasms	0.07143	16	5.680e-17	9.275e-16
Esophageal neoplasms	Lymphatic metastasis	0.10526	10	9.719e-17	1.571e-15
Carcinoma	Urinary bladder neoplasms	0.06574	19	7.643e-16	1.159e-14
Colonic neoplasms	Liver neoplasms	0.06269	21	7.848e-16	1.187e-14
Esophageal neoplasms	Esophageal squamous cell carcinoma	0.07368	14	1.216e-15	1.817e-14
Esophageal squamous cell carcinoma	Urinary bladder neoplasms	0.06667	17	2.802e-15	4.067e-14
Cholangiocarcinoma	Pancreatic neoplasms	0.07586	11	3.055e-15	4.432e-14
Esophageal neoplasms	Mouth neoplasms	0.08661	11	7.349e-15	1.044e-13
Mesothelioma	Ovarian neoplasms	0.06130	16	9.069e-14	1.180e-12
Lung neoplasms	Renal cell carcinoma	0.05348	20	1.301e-13	1.678e-12
Colonic neoplasms	Renal cell carcinoma	0.05538	18	3.111e-13	3.951e-12
Hemangiosarcoma	Uterine neoplasms	0.11765	6	2.712e-12	3.131e-11
Esophageal squamous cell carcinoma	Mouth neoplasms	0.06044	11	3.941e-12	4.488e-11
Neuroblastoma	Urinary bladder neoplasms	0.05376	15	8.686e-12	9.634e-11
Ovarian neoplasms	Renal cell carcinoma	0.05447	14	1.224e-11	1.342e-10
Non-small-cell lung carcinoma	Renal cell carcinoma	0.05224	14	3.685e-11	3.835e-10
Pancreatic neoplasms	Renal cell carcinoma	0.05328	13	4.164e-11	4.312e-10
Esophageal squamous cell carcinoma	Transitional cell carcinoma	0.05161	8	2.270e-10	2.203e-9
Liver neoplasms	Neuroblastoma	0.04828	14	2.820e-10	2.698e-9
Thyroid neoplasms	Transitional cell carcinoma	0.08108	6	5.282e-10	4.937e-9
Neuroblastoma	Stomach neoplasms	0.04091	18	1.187e-9	1.074e-8
Cholangiocarcinoma	Thyroid neoplasms	0.07595	6	1.302e-9	1.173e-8
Hemangiosarcoma	Thyroid neoplasms	0.08333	5	1.583e-9	1.417e-8
Lymphatic metastasis	Mouth neoplasms	0.06818	6	2.021e-9	1.774e-8

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Osteosarcoma	Ovarian neoplasms	0.04420	8	2.577e-8	1.967e-7
Sarcoma	Thyroid neoplasms	0.06667	5	4.241e-8	3.177e-7
Hemangiosarcoma	Transitional cell carcinoma	0.08333	4	5.236e-8	3.836e-7
Hemangiosarcoma	Osteosarcoma	0.05556	4	4.967e-7	3.101e-6
Osteosarcoma	Sarcoma	0.04598	4	6.373e-6	3.256e-5
Hemangiosarcoma	immune dysregulation, autoimmunity, and autoinflammation	0.05263	1	1.169e-3	1.894e-3
Anus neoplasms	Transitional cell carcinoma	0.02941	1	2.143e-3	3.042e-3
amyotrophic lateral sclerosis type 18	Esophageal squamous cell carcinoma	0.00769	1	8.378e-3	9.705e-3
extraoral halitosis due to methanethiol oxidase deficiency	Ovarian neoplasms	0.00758	1	8.508e-3	9.848e-3
hereditary sclerosing poikiloderma with tendon and pulmonary involvement	Renal cell carcinoma	0.00714	1	9.027e-3	1.034e-2
neurodevelopmental disorder with hypotonia, neuropathy, and deafness	Renal cell carcinoma	0.00714	1	9.027e-3	1.034e-2
Anus neoplasms	Urinary bladder neoplasms	0.00699	1	9.222e-3	1.053e-2
Colobomatous macrophthalmia microcornea syndrome	Neuroblastoma	0.00658	1	9.806e-3	1.113e-2
Liver neoplasms	Retinitis pigmentosa, hearing loss, premature aging, short stature, facial dysmorphism syndrome	0.00654	1	9.871e-3	1.120e-2
Liver neoplasms	Pulmonary agenesis	0.00654	1	9.871e-3	1.120e-2
Acantholytic blistering of oral and laryngeal mucosa	Colonic neoplasms	0.00490	1	1.318e-2	1.469e-2
extraoral halitosis due to methanethiol oxidase deficiency	Lung neoplasms	0.00392	1	1.650e-2	1.813e-2
Lung neoplasms	Pulmonary agenesis	0.00392	1	1.650e-2	1.813e-2
Colorectal neoplasms	extraoral halitosis due to methanethiol oxidase deficiency	0.00342	1	1.890e-2	2.063e-2
Cerebellar ataxia, brain abnormalities, and cardiac conduction defects	Stomach neoplasms	0.00326	1	1.987e-2	2.162e-2
extraoral halitosis due to methanethiol oxidase deficiency	Stomach neoplasms	0.00326	1	1.987e-2	2.162e-2
Isobutyryl-coa dehydrogenase deficiency	Stomach neoplasms	0.00326	1	1.987e-2	2.162e-2
Breast neoplasms	Diffuse lymphatic malformation	0.00193	1	3.358e-2	3.555e-2
Breast neoplasms	Hypotrichosis and recurrent skin vesicles	0.00193	1	3.358e-2	3.555e-2
Intellectual developmental disorder seizures polymicrogyria	Prostatic neoplasms	0.00159	1	4.072e-2	4.257e-2