

GeDiPNet Cluster 4 -- Top Shared Genes

Curated genes (disease_gdp) linked to 2 or more of this cluster's member diseases, most widely shared first. Data as of: 2026-10-09 03:15:01. · Rows: 78 · Generated: 2026-10-08 23:52:07

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
TP53	26	48	Adrenocortical carcinoma; B-cell chronic lymphocytic leukemia; B-lymphoblastic leukemia/lymphoma; Bone osteosarcoma; Breast implant-associated anaplastic large cell lymphoma; Central nervous system neoplasms; Cholangiocarcinoma; Choroid plexus carcinoma; Choroid plexus papilloma; Chromosome 17 deletion; Demyelinating diseases; Endometrial hyperplasia; Hemangiosarcoma; Li-fraumeni syndrome; Nasopharyngeal carcinoma; Osteosarcoma; Sapho syndrome; Sarcoma; Sezary syndrome; Small cell carcinoma; Small cell lung carcinoma; Thyroid neoplasms; Transitional cell carcinoma; Urogenital neoplasms; Urologic neoplasms; Vulvar lichen sclerosis
CDKN2A	9	48	B-cell acute lymphoblastic leukemia; B-lymphoblastic leukemia/lymphoma; Carcinogenesis; Endometrial hyperplasia; Li-fraumeni syndrome; Nasopharyngeal carcinoma; Sezary syndrome; Urogenital neoplasms; Vulvar lichen sclerosis
CCND1	8	48	B-cell chronic lymphocytic leukemia; Hemangiosarcoma; Kidney neoplasms; Nasopharyngeal carcinoma; Papilloma; Thyroid neoplasms; Transitional cell carcinoma; Urologic neoplasms
RB1	7	48	Bone osteosarcoma; Osteogenic sarcoma; Osteosarcoma; Retinoblastoma; Sezary syndrome; Small cell carcinoma; Small cell lung carcinoma
KRAS	6	48	Carcinogenesis; Cholangiocarcinoma; Endometrial hyperplasia; Hemangiosarcoma; Nasopharyngeal carcinoma; Thyroid neoplasms
CHEK2	5	48	Bone osteosarcoma; CHEK2-related cancer predisposition; Li-fraumeni syndrome; Osteogenic sarcoma; Osteosarcoma
PTEIN	5	48	Cholangiocarcinoma; Endometrial hyperplasia; Nasopharyngeal carcinoma; Sezary syndrome; Small cell lung carcinoma
PTGS2	5	48	Cholangiocarcinoma; Kidney neoplasms; Papilloma; Thyroid neoplasms; Transitional cell carcinoma
ARID1A	4	48	Cholangiocarcinoma; Nasopharyngeal carcinoma; Sezary syndrome; Transitional cell carcinoma
BAP1	4	48	Central nervous system neoplasms; Cholangiocarcinoma; Kidney neoplasms; Nasopharyngeal carcinoma
BRAF	4	48	Carcinogenesis; Kidney neoplasms; Sezary syndrome; Thyroid neoplasms
BRC A2	4	48	Breast implant-associated anaplastic large cell lymphoma; Cholangiocarcinoma; Sarcoma; Small cell lung carcinoma
EGFR	4	48	Cholangiocarcinoma; Osteosarcoma; Papilloma; Small cell lung carcinoma
ERBB2	4	48	Carcinogenesis; Cholangiocarcinoma; Nasopharyngeal carcinoma; Papilloma
FLT3	4	48	B-cell acute lymphoblastic leukemia; B-lymphoblastic leukemia/lymphoma; leukemia, acute myeloid, susceptibility to; Lymphoblastic leukemia
HRAS	4	48	Hemangiosarcoma; Papilloma; Thyroid neoplasms; Transitional cell carcinoma
MYC	4	48	Demyelinating diseases; Hemangiosarcoma; Merkel cell carcinoma; Osteosarcoma
SMARCA4	4	48	Sarcoma; Sezary syndrome; Small cell carcinoma; Small cell lung carcinoma
TNF	4	48	Sapho syndrome; Sarcoma; Thyroid neoplasms; Transitional cell carcinoma
ATR	3	48	Familial telangiectasia cancer syndrome; Sarcoma; Urologic neoplasms

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
BCOR	3	48	Kidney neoplasms; Osteosarcoma; Sarcoma
CREBBP	3	48	Sezary syndrome; Small cell lung carcinoma; Transitional cell carcinoma
CSF2	3	48	B-cell acute lymphoblastic leukemia; Sarcoma; Thyroid neoplasms
CSF3	3	48	Hemangiosarcoma; Small cell lung carcinoma; Transitional cell carcinoma
CTNNB1	3	48	Endometrial hyperplasia; Hemangiosarcoma; Thyroid neoplasms
GATA3	3	48	B-cell acute lymphoblastic leukemia; B-lymphoblastic leukemia/lymphoma; Carcinogenesis
HNF1B	3	48	Cholangiocarcinoma; Sarcoma; Thyroid neoplasms
IKZF1	3	48	B-cell acute lymphoblastic leukemia; B-lymphoblastic leukemia/lymphoma; Lymphoblastic leukemia
IL32	3	48	Cervicitis; Kidney neoplasms; Sezary syndrome
IL6	3	48	Cholangiocarcinoma; Sarcoma; Thyroid neoplasms
KMT2A	3	48	B-lymphoblastic leukemia/lymphoma; Small cell lung carcinoma; Transitional cell carcinoma
KMT2C	3	48	Cholangiocarcinoma; Sezary syndrome; Transitional cell carcinoma
MAPK1	3	48	Kidney neoplasms; Sezary syndrome; Thyroid neoplasms
PIP4K2A	3	48	B-cell acute lymphoblastic leukemia; B-lymphoblastic leukemia/lymphoma; Lymphoblastic leukemia
PLCG1	3	48	Hemangiosarcoma; immune dysregulation, autoimmunity, and autoinflammation; Sezary syndrome
SLC5A5	3	48	Cholangiocarcinoma; Kidney neoplasms; Thyroid neoplasms
SOD2	3	48	Kidney neoplasms; Nasopharyngeal carcinoma; Papilloma
SOX2	3	48	Osteosarcoma; Sarcoma; Small cell lung carcinoma
VEGFA	3	48	Hemangiosarcoma; Osteosarcoma; Urologic neoplasms
ABL1	2	48	B-lymphoblastic leukemia/lymphoma; Carcinogenesis
APC	2	48	Endometrial hyperplasia; Sarcoma
ARID5B	2	48	B-cell acute lymphoblastic leukemia; Lymphoblastic leukemia

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ATM	2	48	B-cell chronic lymphocytic leukemia; Sarcoma
BCR	2	48	B-lymphoblastic leukemia/lymphoma; Lymphoblastic leukemia
BRC A1	2	48	Breast implant-associated anaplastic large cell lymphoma; Cholangiocarcinoma
BRD 4	2	48	Osteosarcoma; Thyroid neoplasms
CCL 2	2	48	B-cell acute lymphoblastic leukemia; Thyroid neoplasms
CDK N1A	2	48	Papilloma; Transitional cell carcinoma
CDK N1B	2	48	Kidney neoplasms; Sezary syndrome
CEB PE	2	48	B-cell acute lymphoblastic leukemia; Lymphoblastic leukemia
CHD 3	2	48	Sezary syndrome; snijders blok-campeau syndrome
EP3 00	2	48	Small cell lung carcinoma; Transitional cell carcinoma
GSD MB	2	48	B-cell acute lymphoblastic leukemia; Lymphoblastic leukemia
GST P1	2	48	Osteosarcoma; Sarcoma
HYO U1	2	48	B-cell acute lymphoblastic leukemia; granulocytopenia with immunoglobulin abnormality
IFNA 2	2	48	Thyroid neoplasms; Transitional cell carcinoma
IFNB 1	2	48	Anus neoplasms; Transitional cell carcinoma
IKZF 3	2	48	B-cell acute lymphoblastic leukemia; B-cell chronic lymphocytic leukemia
JAK1	2	48	Autoinflammation, immune dysregulation, and eosinophilia; Breast implant-associated anaplastic large cell lymphoma
JUN	2	48	Hemangiosarcoma; Osteosarcoma
LHP P	2	48	B-cell acute lymphoblastic leukemia; Lymphoblastic leukemia
MDM 2	2	48	Li-fraumeni syndrome; Sapho syndrome
MET	2	48	Carcinogenesis; Osteosarcoma
MMP 2	2	48	Nasopharyngeal carcinoma; Osteosarcoma
MST 1R	2	48	Nasopharyngeal carcinoma; Osteosarcoma

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NDRG1	2	48	Kidney neoplasms; Small cell lung carcinoma
PAX5	2	48	B-lymphoblastic leukemia/lymphoma; Lymphoblastic leukemia
PIK3CA	2	48	Nasopharyngeal carcinoma; Sarcoma
POU5F1	2	48	Carcinogenesis; Gestational trophoblastic disease
SIRT1	2	48	Demyelinating diseases; Osteosarcoma
SLC2A13	2	48	Urinary system neoplasms; Urogenital neoplasms
SULT1A1	2	48	B-cell acute lymphoblastic leukemia; Urologic neoplasms
TMEM32D	2	48	B-cell acute lymphoblastic leukemia; Small cell lung carcinoma
TNFRSF9	2	48	immunodeficiency 109 with lymphoproliferation; Kidney neoplasms
TP63	2	48	Lymphoblastic leukemia; Nasopharyngeal carcinoma
TPH1	2	48	Borderline personality disorder; Kidney neoplasms
WDR11	2	48	Urinary system neoplasms; Urogenital neoplasms
ZDBF2	2	48	Nasopalpebral lipoma-coloboma syndrome; Small cell lung carcinoma