

GeDiPNet Cluster 137 -- 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: 113 · Generated: 2026-10-09 15:58:39

| Gene     | Member Diseases Linked | Cluster Size | Linked Diseases                                                                                        |
|----------|------------------------|--------------|--------------------------------------------------------------------------------------------------------|
| SOD2     | 5                      | 9            | Colonic neoplasms; Colorectal neoplasms; Ovarian neoplasms; Pancreatic neoplasms; Renal cell carcinoma |
| TNFSF10  | 5                      | 9            | Colonic neoplasms; Colorectal neoplasms; Ovarian neoplasms; Pancreatic neoplasms; Renal cell carcinoma |
| TP53     | 5                      | 9            | Colonic neoplasms; Colorectal neoplasms; Ovarian neoplasms; Pancreatic neoplasms; Renal cell carcinoma |
| ALOX12B  | 4                      | 9            | Colonic neoplasms; Ovarian neoplasms; Pancreatic neoplasms; Renal cell carcinoma                       |
| ALOX5    | 4                      | 9            | Colonic neoplasms; Ovarian neoplasms; Pancreatic neoplasms; Renal cell carcinoma                       |
| BAP1     | 4                      | 9            | Colonic neoplasms; Ovarian neoplasms; Pancreatic neoplasms; Renal cell carcinoma                       |
| BIRC5    | 4                      | 9            | Colonic neoplasms; Colorectal neoplasms; Ovarian neoplasms; Renal cell carcinoma                       |
| CTNNB1   | 4                      | 9            | Colonic neoplasms; Colorectal neoplasms; Ovarian neoplasms; Pancreatic neoplasms                       |
| EGFR     | 4                      | 9            | Colonic neoplasms; Colorectal neoplasms; Ovarian neoplasms; Pancreatic neoplasms                       |
| KRAS     | 4                      | 9            | Colonic neoplasms; Colorectal neoplasms; Ovarian neoplasms; Pancreatic neoplasms                       |
| MLH1     | 4                      | 9            | Colonic neoplasms; Colorectal neoplasms; Ovarian neoplasms; Pancreatic neoplasms                       |
| MYC      | 4                      | 9            | Colonic neoplasms; Colorectal neoplasms; Ovarian neoplasms; Pancreatic neoplasms                       |
| PTGS2    | 4                      | 9            | Colonic neoplasms; Colorectal neoplasms; Pancreatic neoplasms; Renal cell carcinoma                    |
| TYMS     | 4                      | 9            | Colonic neoplasms; Colorectal neoplasms; Ovarian neoplasms; Pancreatic neoplasms                       |
| CCND2    | 3                      | 9            | Colonic neoplasms; Colorectal neoplasms; Ovarian neoplasms                                             |
| CDH1     | 3                      | 9            | Colorectal neoplasms; Ovarian neoplasms; Pancreatic neoplasms                                          |
| CXCL8    | 3                      | 9            | Colorectal neoplasms; Ovarian neoplasms; Pancreatic neoplasms                                          |
| DPYD     | 3                      | 9            | Colonic neoplasms; Colorectal neoplasms; Pancreatic neoplasms                                          |
| EPCAM    | 3                      | 9            | Colorectal neoplasms; Ovarian neoplasms; Pancreatic neoplasms                                          |
| ERBB2    | 3                      | 9            | Colonic neoplasms; Ovarian neoplasms; Renal cell carcinoma                                             |
| HNF1B    | 3                      | 9            | Colonic neoplasms; Pancreatic neoplasms; Renal cell carcinoma                                          |
| IFNA2    | 3                      | 9            | Colorectal neoplasms; Pancreatic neoplasms; Renal cell carcinoma                                       |
| KDR      | 3                      | 9            | Colorectal neoplasms; Ovarian neoplasms; Pancreatic neoplasms                                          |
| MECOM    | 3                      | 9            | Colonic neoplasms; Ovarian neoplasms; Pancreatic neoplasms                                             |
| MKI67    | 3                      | 9            | Colonic neoplasms; Colorectal neoplasms; Ovarian neoplasms                                             |
| MSH2     | 3                      | 9            | Colorectal neoplasms; Ovarian neoplasms; Pancreatic neoplasms                                          |
| MTOR     | 3                      | 9            | Colonic neoplasms; Ovarian neoplasms; Renal cell carcinoma                                             |
| PIK3CA   | 3                      | 9            | Colorectal neoplasms; Ovarian neoplasms; Renal cell carcinoma                                          |
| PPARG    | 3                      | 9            | Colonic neoplasms; Colorectal neoplasms; Pancreatic neoplasms                                          |
| PTEN     | 3                      | 9            | Ovarian neoplasms; Pancreatic neoplasms; Renal cell carcinoma                                          |
| SELENBP1 | 3                      | 9            | Colorectal neoplasms; extraoral halitosis due to methanethiol oxidase deficiency; Ovarian neoplasms    |

| Gene    | Member Diseases Linked | Cluster Size | Linked Diseases                                                                                |
|---------|------------------------|--------------|------------------------------------------------------------------------------------------------|
| SLC2A1  | 3                      | 9            | Colonic neoplasms; Ovarian neoplasms; Renal cell carcinoma                                     |
| SPARC   | 3                      | 9            | Colonic neoplasms; Colorectal neoplasms; Ovarian neoplasms                                     |
| STAT3   | 3                      | 9            | Colonic neoplasms; Ovarian neoplasms; Pancreatic neoplasms                                     |
| TET2    | 3                      | 9            | Colonic neoplasms; Colorectal neoplasms; Renal cell carcinoma                                  |
| TNF     | 3                      | 9            | Colonic neoplasms; Colorectal neoplasms; Pancreatic neoplasms                                  |
| TP63    | 3                      | 9            | Colorectal neoplasms; Ovarian neoplasms; Pancreatic neoplasms                                  |
| TYMP    | 3                      | 9            | Colonic neoplasms; Colorectal neoplasms; Pancreatic neoplasms                                  |
| ACHE    | 2                      | 9            | Colorectal neoplasms; Renal cell carcinoma                                                     |
| AKT1    | 2                      | 9            | Colorectal neoplasms; Ovarian neoplasms                                                        |
| APC     | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                        |
| ATP7B   | 2                      | 9            | Colorectal neoplasms; Ovarian neoplasms                                                        |
| AXIN2   | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                        |
| BAX     | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                        |
| BCL2    | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                        |
| BRCA1   | 2                      | 9            | Ovarian neoplasms; Pancreatic neoplasms                                                        |
| BRCA2   | 2                      | 9            | Ovarian neoplasms; Pancreatic neoplasms                                                        |
| BSG     | 2                      | 9            | Pancreatic neoplasms; Renal cell carcinoma                                                     |
| CCL20   | 2                      | 9            | Colonic neoplasms; Pancreatic neoplasms                                                        |
| CCND1   | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                        |
| CCNH    | 2                      | 9            | Colonic neoplasms; Ovarian neoplasms                                                           |
| CCR5    | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                        |
| CD44    | 2                      | 9            | Colorectal neoplasms; Pancreatic neoplasms                                                     |
| CDKN2A  | 2                      | 9            | Colorectal neoplasms; Pancreatic neoplasms                                                     |
| CRYAB   | 2                      | 9            | Colonic neoplasms; Renal cell carcinoma                                                        |
| CYP1B1  | 2                      | 9            | Colorectal neoplasms; Ovarian neoplasms                                                        |
| DLC1    | 2                      | 9            | Colorectal neoplasms; Ovarian neoplasms                                                        |
| DNMT1   | 2                      | 9            | Colonic neoplasms; Renal cell carcinoma                                                        |
| DSG3    | 2                      | 9            | Acantholytic blistering of oral and laryngeal mucosa; Colonic neoplasms                        |
| DYRK1A  | 2                      | 9            | Colonic neoplasms; Pancreatic neoplasms                                                        |
| EFEMP1  | 2                      | 9            | Colorectal neoplasms; Pancreatic neoplasms                                                     |
| FAM111B | 2                      | 9            | hereditary sclerosing poikiloderma with tendon and pulmonary involvement; Renal cell carcinoma |
| FLCN    | 2                      | 9            | Colorectal neoplasms; Renal cell carcinoma                                                     |
| FOLR1   | 2                      | 9            | Colonic neoplasms; Ovarian neoplasms                                                           |
| GADD45A | 2                      | 9            | Ovarian neoplasms; Pancreatic neoplasms                                                        |

| Gene     | Member Diseases Linked | Cluster Size | Linked Diseases                                                                            |
|----------|------------------------|--------------|--------------------------------------------------------------------------------------------|
| GRIK2    | 2                      | 9            | Colonic neoplasms; Ovarian neoplasms                                                       |
| GSTM1    | 2                      | 9            | Colorectal neoplasms; Renal cell carcinoma                                                 |
| HOXD1    | 2                      | 9            | Colorectal neoplasms; Ovarian neoplasms                                                    |
| HOXD9    | 2                      | 9            | Colorectal neoplasms; Ovarian neoplasms                                                    |
| HSPB1    | 2                      | 9            | Colonic neoplasms; Renal cell carcinoma                                                    |
| IFNA1    | 2                      | 9            | Colorectal neoplasms; Pancreatic neoplasms                                                 |
| IGF2     | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                    |
| IL6      | 2                      | 9            | Ovarian neoplasms; Renal cell carcinoma                                                    |
| IL6ST    | 2                      | 9            | Colorectal neoplasms; Ovarian neoplasms                                                    |
| INPP4B   | 2                      | 9            | Pancreatic neoplasms; Renal cell carcinoma                                                 |
| KLF5     | 2                      | 9            | Colorectal neoplasms; Pancreatic neoplasms                                                 |
| LGR5     | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                    |
| MACIR    | 2                      | 9            | Colonic neoplasms; Ovarian neoplasms                                                       |
| MET      | 2                      | 9            | Ovarian neoplasms; Renal cell carcinoma                                                    |
| MMP2     | 2                      | 9            | Colorectal neoplasms; Pancreatic neoplasms                                                 |
| MMP9     | 2                      | 9            | Colonic neoplasms; Pancreatic neoplasms                                                    |
| MSH6     | 2                      | 9            | Colorectal neoplasms; Pancreatic neoplasms                                                 |
| MSLN     | 2                      | 9            | Ovarian neoplasms; Pancreatic neoplasms                                                    |
| MTHFR    | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                    |
| NME2     | 2                      | 9            | Colorectal neoplasms; Ovarian neoplasms                                                    |
| ODC1     | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                    |
| PMS2     | 2                      | 9            | Colorectal neoplasms; Pancreatic neoplasms                                                 |
| PRKN     | 2                      | 9            | Colonic neoplasms; Ovarian neoplasms                                                       |
| PROM1    | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                    |
| RELA     | 2                      | 9            | Colonic neoplasms; Renal cell carcinoma                                                    |
| RHPN2    | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                    |
| SERPINB5 | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                    |
| SFRP2    | 2                      | 9            | Colorectal neoplasms; Renal cell carcinoma                                                 |
| SLC19A1  | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                    |
| SLCO1B3  | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                    |
| SMAD4    | 2                      | 9            | Colorectal neoplasms; Pancreatic neoplasms                                                 |
| SMAD7    | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                    |
| SPTBN4   | 2                      | 9            | neurodevelopmental disorder with hypotonia, neuropathy, and deafness; Renal cell carcinoma |
| SRC      | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms                                                    |

| Gene    | Member Diseases Linked | Cluster Size | Linked Diseases                            |
|---------|------------------------|--------------|--------------------------------------------|
| TCF7L2  | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms    |
| TERT    | 2                      | 9            | Ovarian neoplasms; Pancreatic neoplasms    |
| TFPI2   | 2                      | 9            | Colorectal neoplasms; Pancreatic neoplasms |
| TGFB1   | 2                      | 9            | Colorectal neoplasms; Pancreatic neoplasms |
| TGFBR2  | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms    |
| TGM2    | 2                      | 9            | Pancreatic neoplasms; Renal cell carcinoma |
| TLR4    | 2                      | 9            | Colorectal neoplasms; Ovarian neoplasms    |
| TP53BP1 | 2                      | 9            | Colonic neoplasms; Ovarian neoplasms       |
| TRMT11  | 2                      | 9            | Colonic neoplasms; Ovarian neoplasms       |
| UMPS    | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms    |
| VEGFA   | 2                      | 9            | Colonic neoplasms; Renal cell carcinoma    |
| WT1     | 2                      | 9            | Colonic neoplasms; Pancreatic neoplasms    |
| XAF1    | 2                      | 9            | Colonic neoplasms; Colorectal neoplasms    |
| YAP1    | 2                      | 9            | Colorectal neoplasms; Ovarian neoplasms    |