

GeDiPNet Cluster 75 -- 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: 2026-10-07 03:15:01. · Rows: 223 · Generated: 2026-10-07 18:45:08

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
TMEM106B	6	13	Anorexia nervosa; Eating disorder; Generalized anxiety disorder; Psychiatric disorders; Tourette syndrome; Vascular dementia
ANKS1B	5	13	Anorexia nervosa; Generalized anxiety disorder; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
BAG5	5	13	Anorexia nervosa; cardiomyopathy, dilated, 2f; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
LRFN5	5	13	Anorexia nervosa; Generalized anxiety disorder; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
AKAP6	4	13	Anorexia nervosa; Eating disorder; Obsessive-compulsive disorder; Tourette syndrome
CACNA1C	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
CCDC68	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
CSMD1	4	13	Anorexia nervosa; Eating disorder; Obsessive-compulsive disorder; Tourette syndrome
DCC	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
DRD2	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
ERCC4	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
FURIN	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
GRIN2A	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome; Vascular dementia
IGSF9B	4	13	Anorexia nervosa; Generalized anxiety disorder; Obsessive-compulsive disorder; Tourette syndrome
ITIH3	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
KIZ	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
MAD1L1	4	13	Anorexia nervosa; Generalized anxiety disorder; Obsessive-compulsive disorder; Tourette syndrome
MGMT	4	13	Anorexia nervosa; Eating disorder; Generalized anxiety disorder; Vascular dementia
NALF1	4	13	Anorexia nervosa; Eating disorder; Psychiatric disorders; Vascular dementia
PCLO	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
PLCL1	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome; Vascular dementia
PTPRF	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
RGS6	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
RIMS1	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
SHMT2	4	13	Anorexia nervosa; neurodevelopmental disorder with cardiomyopathy, spasticity, and brain abnormalities; Obsessive-compulsive disorder; Tourette syndrome
SORCS3	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
SPAG16	4	13	Anorexia nervosa; Generalized anxiety disorder; Obsessive-compulsive disorder; Tourette syndrome
TCF4	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
TFAP2B	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
THSD7A	4	13	Anorexia nervosa; Eating disorder; Psychiatric disorders; Tourette syndrome
TMPRSS5	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
VRK2	4	13	Anorexia nervosa; Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
ACADS	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
ACTR5	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
ADGRL4	3	13	Anorexia nervosa; Eating disorder; Generalized anxiety disorder
AMBRA1	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
ARL3	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
ASB3	3	13	Anorexia nervosa; Eating disorder; Generalized anxiety disorder
ATP2A2	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
BANK1	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
BCL11B	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
BRAF	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
C6ORF118	3	13	Obsessive-compulsive disorder; Psychiatric disorders; Vascular dementia
C8ORF90	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
CACNA1I	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
CACNB2	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
CAMTA1	3	13	Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
CHRNA3	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
CNNM4	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
CNTN4	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
CTNND1	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
DGKI	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
ENOX1	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
EPHX2	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
ESR2	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
FADS2	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
FAM120A	3	13	Anorexia nervosa; Generalized anxiety disorder; Tourette syndrome
FGFR1	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
FOXP1	3	13	Anorexia nervosa; Eating disorder; Tourette syndrome
FTCDNL1	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
GID4	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
GMIP	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
GRIK3	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
GRM3	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
GSDME	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
HCN1	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
HSPE1-MOB4	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
IFI44	3	13	Anorexia nervosa; Eating disorder; Generalized anxiety disorder
IMMP2L	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
KCNB1	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
KDM3B	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
L3MBTL2	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
LMAN2L	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
LSAMP	3	13	Obsessive-compulsive disorder; Psychiatric disorders; Tourette syndrome
MOB4	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
MPHOSPH9	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
MRPL33	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
MYO18A	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
NAA11	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
NAA40	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
NCKIPSD	3	13	Anorexia nervosa; Eating disorder; Obsessive-compulsive disorder
NGEF	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
NPAS3	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
NRGN	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
NT5C2	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
OLFM4	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
OSBPL3	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
PDE4B	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
PMFBP1	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
PPP1R13B	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
PPP1R16B	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
PPP2R2B	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
PPP3CA	3	13	Anorexia nervosa; Eating disorder; Psychiatric disorders
PXDNL	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
RBFOX1	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
RBKS	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
RCOR2	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
RERE	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
RORA	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
RPS19BP1	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
RPS6KL1	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
RPTOR	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
RSRC1	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
RTN1	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
SEMA6D	3	13	Anorexia nervosa; Eating disorder; Obsessive-compulsive disorder
SGPP2	3	13	Anorexia nervosa; Eating disorder; Tourette syndrome
SHISA9	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
SLC30A9	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
SLC39A8	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
SNAP91	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
SNX19	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
SORCS2	3	13	Anorexia nervosa; Eating disorder; Vascular dementia
SOX5	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
SPPL3	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
SRPK2	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
STAG1	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
SYNE2	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
TAF42	3	13	Anorexia nervosa; Eating disorder; Obsessive-compulsive disorder
TCAIM	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
TCF20	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
TENM2	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
THOC7	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
TMCO5A	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
TMEM219	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
TRIM8	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
TSNARE1	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
VPS45	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
ZCCHC7	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
ZNF804A	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
ZNF804B	3	13	Anorexia nervosa; Eating disorder; Obsessive-compulsive disorder
ZSCAN2	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
ZSCAN31	3	13	Anorexia nervosa; Obsessive-compulsive disorder; Tourette syndrome
ABT1	2	13	Anorexia nervosa; Obsessive-compulsive disorder

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
ACOD1	2	13	Obsessive-compulsive disorder; Tourette syndrome
ALDH4A1	2	13	Anorexia nervosa; Eating disorder
ATP9A	2	13	Obsessive-compulsive disorder; Tourette syndrome
BLTP3A	2	13	Anorexia nervosa; Eating disorder
CADM1	2	13	Anorexia nervosa; Eating disorder
CADM3	2	13	Charcot-Marie-Tooth disease, axonal, type 2FF; Eating disorder
CAMK1D	2	13	Anorexia nervosa; Eating disorder
CAMKK2	2	13	Anorexia nervosa; Obsessive-compulsive disorder
CARMIL1	2	13	Anorexia nervosa; Obsessive-compulsive disorder
CCDC92	2	13	Anorexia nervosa; Tourette syndrome
CELSR3	2	13	Anorexia nervosa; Tourette syndrome
CHN2	2	13	Psychiatric disorders; Vascular dementia
CNNM2	2	13	Anorexia nervosa; Psychiatric disorders
CNTNAP2	2	13	Psychiatric disorders; Vascular dementia
CRB1	2	13	Anorexia nervosa; Eating disorder
CRBN	2	13	Eating disorder; Vascular dementia
CYLC2	2	13	Obsessive-compulsive disorder; Tourette syndrome
DUSP23	2	13	Psychiatric disorders; Tourette syndrome
ERBB3	2	13	Anorexia nervosa; Eating disorder
ERBB4	2	13	Anorexia nervosa; Psychiatric disorders
ERLEC1	2	13	Anorexia nervosa; Eating disorder
FAM76B	2	13	Obsessive-compulsive disorder; Tourette syndrome
FCRL6	2	13	Psychiatric disorders; Tourette syndrome
FHIT	2	13	Anorexia nervosa; Obsessive-compulsive disorder
FXR1	2	13	Anorexia nervosa; Eating disorder
GABBR1	2	13	Psychiatric disorders; Vascular dementia
GBA3	2	13	Obsessive-compulsive disorder; Tourette syndrome
GRID1	2	13	Anorexia nervosa; Eating disorder
GRIK2	2	13	Obsessive-compulsive disorder; Vascular dementia
HACE1	2	13	Obsessive-compulsive disorder; Tourette syndrome
IMPA2	2	13	Obsessive-compulsive disorder; Psychiatric disorders
KCNK5	2	13	Eating disorder; Vascular dementia
KIT	2	13	Anorexia nervosa; Obsessive-compulsive disorder
KLC1	2	13	Obsessive-compulsive disorder; Psychiatric disorders

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
KLHL9	2	13	Early-onset distal myopathy; Tourette syndrome
LPL	2	13	Anorexia nervosa; Vascular dementia
LRMDA	2	13	Anorexia nervosa; Eating disorder
LRP2	2	13	Anorexia nervosa; Eating disorder
MACROD2	2	13	Eating disorder; Vascular dementia
MAPK10	2	13	Psychiatric disorders; Tourette syndrome
MAPT	2	13	Generalized anxiety disorder; Psychiatric disorders
MAU2	2	13	Anorexia nervosa; Tourette syndrome
MCTP1	2	13	Anorexia nervosa; Eating disorder
METTL15	2	13	Obsessive-compulsive disorder; Psychiatric disorders
MYO19	2	13	Anorexia nervosa; Tourette syndrome
MYO1D	2	13	Anorexia nervosa; Eating disorder
NCAM1	2	13	Anorexia nervosa; Obsessive-compulsive disorder
NCOA5	2	13	Anorexia nervosa; Psychiatric disorders
NECTIN1	2	13	Obsessive-compulsive disorder; Tourette syndrome
NFATC2	2	13	Obsessive-compulsive disorder; Tourette syndrome
NSD3	2	13	Obsessive-compulsive disorder; Tourette syndrome
NTNG1	2	13	Anorexia nervosa; Eating disorder
NUBPL	2	13	Obsessive-compulsive disorder; Tourette syndrome
NXPH1	2	13	Psychiatric disorders; Vascular dementia
OPCML	2	13	Anorexia nervosa; Eating disorder
POU1F1	2	13	Obsessive-compulsive disorder; Tourette syndrome
PTPRG	2	13	Anorexia nervosa; Obsessive-compulsive disorder
QSOX1	2	13	Anorexia nervosa; Eating disorder
RAI1	2	13	Obsessive-compulsive disorder; Psychiatric disorders
RBMS1	2	13	Anorexia nervosa; Tourette syndrome
RBMS3	2	13	Psychiatric disorders; Vascular dementia
RPS26	2	13	Anorexia nervosa; Eating disorder
SI	2	13	Congenital thrombotic disease; Generalized anxiety disorder
SLC22A2	2	13	Psychiatric disorders; Tourette syndrome
SLC32A1	2	13	Anorexia nervosa; Obsessive-compulsive disorder
SLC6A15	2	13	Anorexia nervosa; Obsessive-compulsive disorder
SLC6A4	2	13	Generalized anxiety disorder; Obsessive-compulsive disorder
SMIM21	2	13	Anorexia nervosa; Eating disorder

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
SOX6	2	13	Generalized anxiety disorder; Tolchin-le caignec syndrome
SPRY2	2	13	Tourette syndrome; Vascular dementia
SRPX	2	13	Anorexia nervosa; Eating disorder
SSBP2	2	13	Anorexia nervosa; Eating disorder
SSR1	2	13	Anorexia nervosa; Vascular dementia
SYTL5	2	13	Anorexia nervosa; Eating disorder
TBC1D5	2	13	Anorexia nervosa; Tourette syndrome
TLCD4	2	13	Generalized anxiety disorder; Tourette syndrome
TMEM161B	2	13	Psychiatric disorders; Tourette syndrome
TRHDE	2	13	Anorexia nervosa; Obsessive-compulsive disorder
TRPC4	2	13	Obsessive-compulsive disorder; Tourette syndrome
TRPS1	2	13	Anorexia nervosa; Eating disorder
TSHZ1	2	13	Anorexia nervosa; Eating disorder
VGLL4	2	13	Anorexia nervosa; Eating disorder
WDR11	2	13	Anorexia nervosa; Eating disorder
WDR7	2	13	Obsessive-compulsive disorder; Tourette syndrome
WWOX	2	13	Anorexia nervosa; Eating disorder
XYLT1	2	13	Tourette syndrome; Vascular dementia
ZFAT	2	13	Eating disorder; Psychiatric disorders
ZNF322	2	13	Anorexia nervosa; Obsessive-compulsive disorder
ZSCAN26	2	13	Anorexia nervosa; Obsessive-compulsive disorder
ZZEF1	2	13	Anorexia nervosa; Psychiatric disorders