

GeDiPNet Cluster 5 -- 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: 52 · Generated: 2026-10-07 16:26:22

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
AGRN	5	39	Congenital myasthenic syndrome; congenital myasthenic syndrome 8; Myasthenic syndrome; Postsynaptic congenital myasthenic syndrome; Presynaptic congenital myasthenic syndrome
DOK7	5	39	Congenital myasthenic syndrome; congenital myasthenic syndrome 10; Fetal akinesia deformation sequence; Myasthenic syndrome; Postsynaptic congenital myasthenic syndrome
MUSK	5	39	Congenital myasthenic syndrome; congenital myasthenic syndrome 9; Fetal akinesia deformation sequence; Myasthenic syndrome; Postsynaptic congenital myasthenic syndrome
ALG14	4	39	Congenital disorder of glycosylation; Congenital myasthenic syndrome; Intellectual developmental disorder seizures behavioral; Myasthenic syndrome
ALG2	4	39	ALG2-congenital disorder of glycosylation; Congenital disorder of glycosylation; Congenital myasthenic syndrome; Myasthenic syndrome
CHAT	4	39	Congenital myasthenic syndrome; congenital myasthenic syndrome 6; Myasthenic syndrome; Presynaptic congenital myasthenic syndrome
CHRNA1	4	39	Congenital myasthenic syndrome; Myasthenic syndrome; myasthenic syndrome, congenital, 1b, fast-channel; Postsynaptic congenital myasthenic syndrome
COL13A1	4	39	Congenital myasthenic syndrome; Myasthenic syndrome; Postsynaptic congenital myasthenic syndrome; Presynaptic congenital myasthenic syndrome
RAPSN	4	39	Congenital myasthenic syndrome; Fetal akinesia deformation sequence; Myasthenic syndrome; Postsynaptic congenital myasthenic syndrome
SLC18A3	4	39	Congenital myasthenic syndrome; Fetal akinesia deformation sequence; Myasthenic syndrome; Presynaptic congenital myasthenic syndrome
SLC5A7	4	39	Congenital myasthenic syndrome; Myasthenic syndrome; neuropathy, distal hereditary motor, type 7A; Presynaptic congenital myasthenic syndrome
SYT2	4	39	Congenital myasthenic syndrome; congenital myasthenic syndrome 7; Myasthenic syndrome; Presynaptic congenital myasthenic syndrome
CHRNB1	3	39	Congenital myasthenic syndrome; Myasthenic syndrome; Postsynaptic congenital myasthenic syndrome
CHRNA1	3	39	Congenital myasthenic syndrome; Myasthenic syndrome; Postsynaptic congenital myasthenic syndrome
CHRNA1	3	39	Congenital myasthenic syndrome; Myasthenic syndrome; Postsynaptic congenital myasthenic syndrome
DPAGT1	3	39	Congenital disorder of glycosylation; Congenital myasthenic syndrome; Myasthenic syndrome
GFPT1	3	39	Congenital myasthenic syndrome; congenital myasthenic syndrome 12; Myasthenic syndrome
LRP4	3	39	Congenital myasthenic syndrome; Myasthenic syndrome; Postsynaptic congenital myasthenic syndrome
MYO9A	3	39	Congenital myasthenic syndrome; Myasthenic syndrome; Presynaptic congenital myasthenic syndrome
SCN4A	3	39	Congenital myasthenic syndrome; Myasthenic syndrome; Postsynaptic congenital myasthenic syndrome
SLC25A1	3	39	Congenital myasthenic syndrome; Myasthenic syndrome; Presynaptic congenital myasthenic syndrome
SNAP25	3	39	Congenital myasthenic syndrome; Myasthenic syndrome; Presynaptic congenital myasthenic syndrome
VAMP1	3	39	Ataxia, spastic, autosomal dominant; Myasthenic syndrome; Presynaptic congenital myasthenic syndrome
ALG1	2	39	ALG1-congenital disorder of glycosylation; Congenital disorder of glycosylation
ALG12	2	39	ALG12-congenital disorder of glycosylation; Congenital disorder of glycosylation
ALG3	2	39	ALG3-congenital disorder of glycosylation; Congenital disorder of glycosylation
ALMS1	2	39	Alstrom syndrome; Fetal akinesia deformation sequence
CAMLG	2	39	Congenital disorder of glycosylation; congenital disorder of glycosylation, type IIz
CHD8	2	39	Congenital myasthenic syndrome; Myasthenic syndrome
COG1	2	39	COG1-congenital disorder of glycosylation; Congenital disorder of glycosylation
COG2	2	39	Congenital disorder of glycosylation; congenital disorder of glycosylation, type IIq

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
COG5	2	39	COG5-congenital disorder of glycosylation; Congenital disorder of glycosylation
COG7	2	39	COG7-congenital disorder of glycosylation; Congenital disorder of glycosylation
COG8	2	39	COG8-congenital disorder of glycosylation; Congenital disorder of glycosylation
COLQ	2	39	Congenital myasthenic syndrome; Myasthenic syndrome
DOLK	2	39	Congenital disorder of glycosylation; DK1-congenital disorder of glycosylation
DPM1	2	39	Congenital disorder of glycosylation; congenital disorder of glycosylation type 1E
DPM3	2	39	Congenital disorder of glycosylation; DPM3-congenital disorder of glycosylation
FCSK	2	39	Congenital disorder of glycosylation; congenital disorder of glycosylation with defective fucosylation 2
FUT8	2	39	Congenital disorder of glycosylation; congenital disorder of glycosylation with defective fucosylation 1
GMPPB	2	39	Congenital myasthenic syndrome; Myasthenic syndrome
MAN2B2	2	39	Congenital disorder of glycosylation; MAN2B2 deficiency
MGAT2	2	39	Congenital disorder of glycosylation; MGAT2-congenital disorder of glycosylation
MOGS	2	39	Congenital disorder of glycosylation; MOGS-congenital disorder of glycosylation
MPDU1	2	39	Congenital disorder of glycosylation; MPDU1-congenital disorder of glycosylation
NUP188	2	39	Congenital disorder of glycosylation; Sandestig-stefanova syndrome
PLEC	2	39	Congenital myasthenic syndrome; Myasthenic syndrome
PREPL	2	39	Congenital myasthenic syndrome; Myasthenic syndrome
RFT1	2	39	Congenital disorder of glycosylation; RFT1-congenital disorder of glycosylation
RPH3A	2	39	Congenital myasthenic syndrome; Myasthenic syndrome
SLC35A1	2	39	Congenital disorder of glycosylation; SLC35A1-congenital disorder of glycosylation
TAPBPL	2	39	Ataxia, spastic, autosomal dominant; Myasthenic syndrome