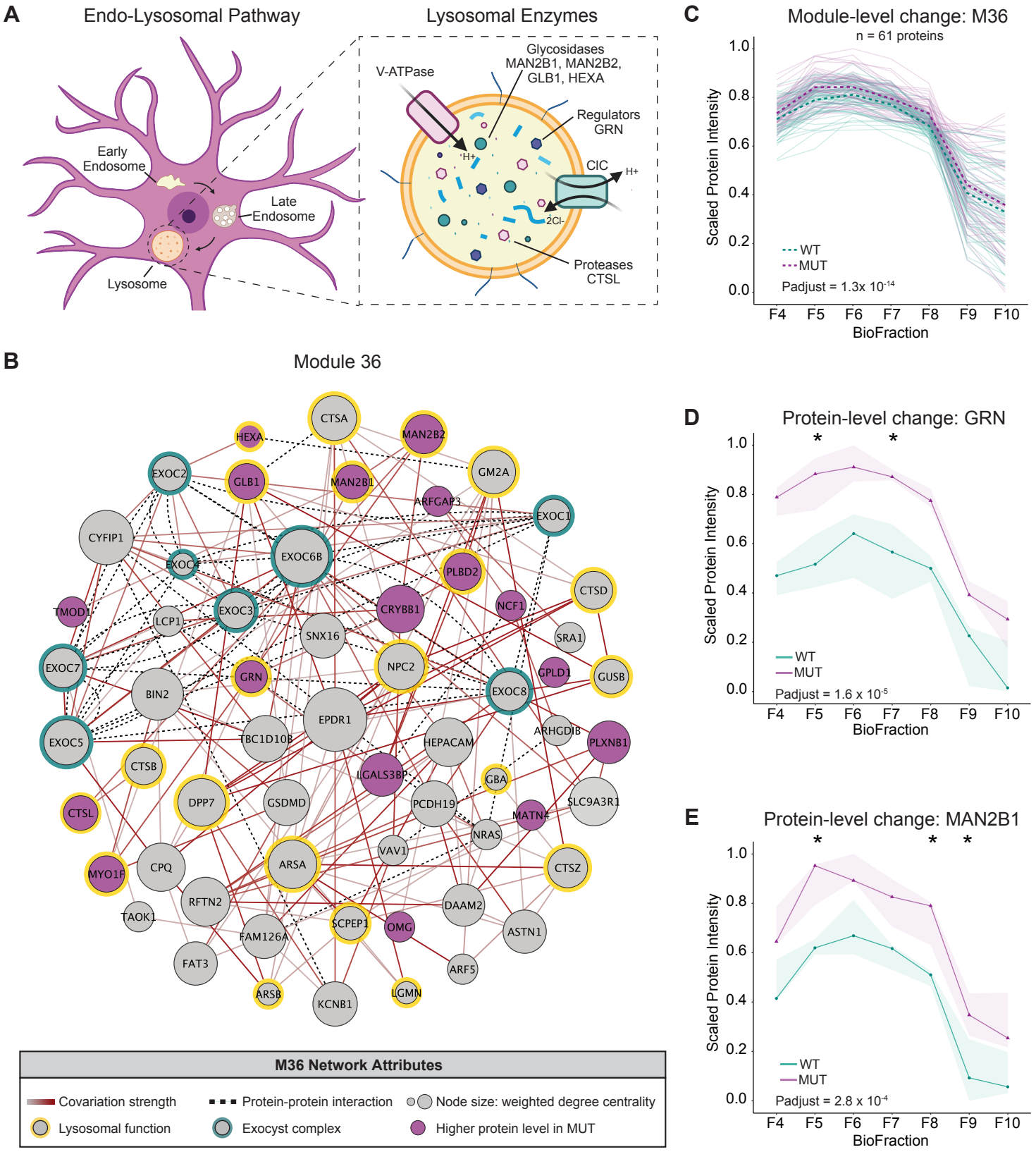
A
Endo-Lysosomal Pathway
Lysosomal Enzymes
Early Endosome
Late Endosome
Lysosome
V-ATPase
Glycosidases MAN2B1, MAN2B2, GLB1, HEXA
Regulators GRN
ClC
H+
2Cl-
Proteases CTSL
B
Module 36
CTSA
HEXA
MAN2B2
EXOC2
GLB1
MAN2B1
GM2A
ARFGAP3
EXOC1
CYFIP1
EXOC6B
EXOC4
PLBD2
CTSD
TMOD1
EXOC3
CRYBB1
NCF1
LCP1
SNX16
SRA1
EXOC7
NPC2
GPLD1
GUSB
GRN
BIN2
EXOC8
EPDR1
EXOC5
TBC1D10B
HEPACAM
ARHGDIB
PLXNB1
CTSB
LGALS3BP
GBA
DPP7
GSDMD
PCDH19
SLC9A3R1
CTSL
MATN4
NRAS
VAV1
MYO1F
CPQ
ARSA
CTSZ
RFTN2
DAAM2
TAOK1
SCPEP1
OMG
ASTN1
FAM126A
FAT3
ARF5
ARSB
KCNB1
LGMN
M36 Network Attributes
Covariation strength
Protein-protein interaction
Node size: weighted degree centrality
Lysosomal function
Exocyst complex
Higher protein level in MUT
C
Module-level change: M36
n = 61 proteins
Scaled Protein Intensity
WT
MUT
Padjust = 1.3x 10-14
BioFraction
D
Protein-level change: GRN
Padjust = 1.6 x 10-5
E
Protein-level change: MAN2B1
Padjust = 2.8 x 10-4