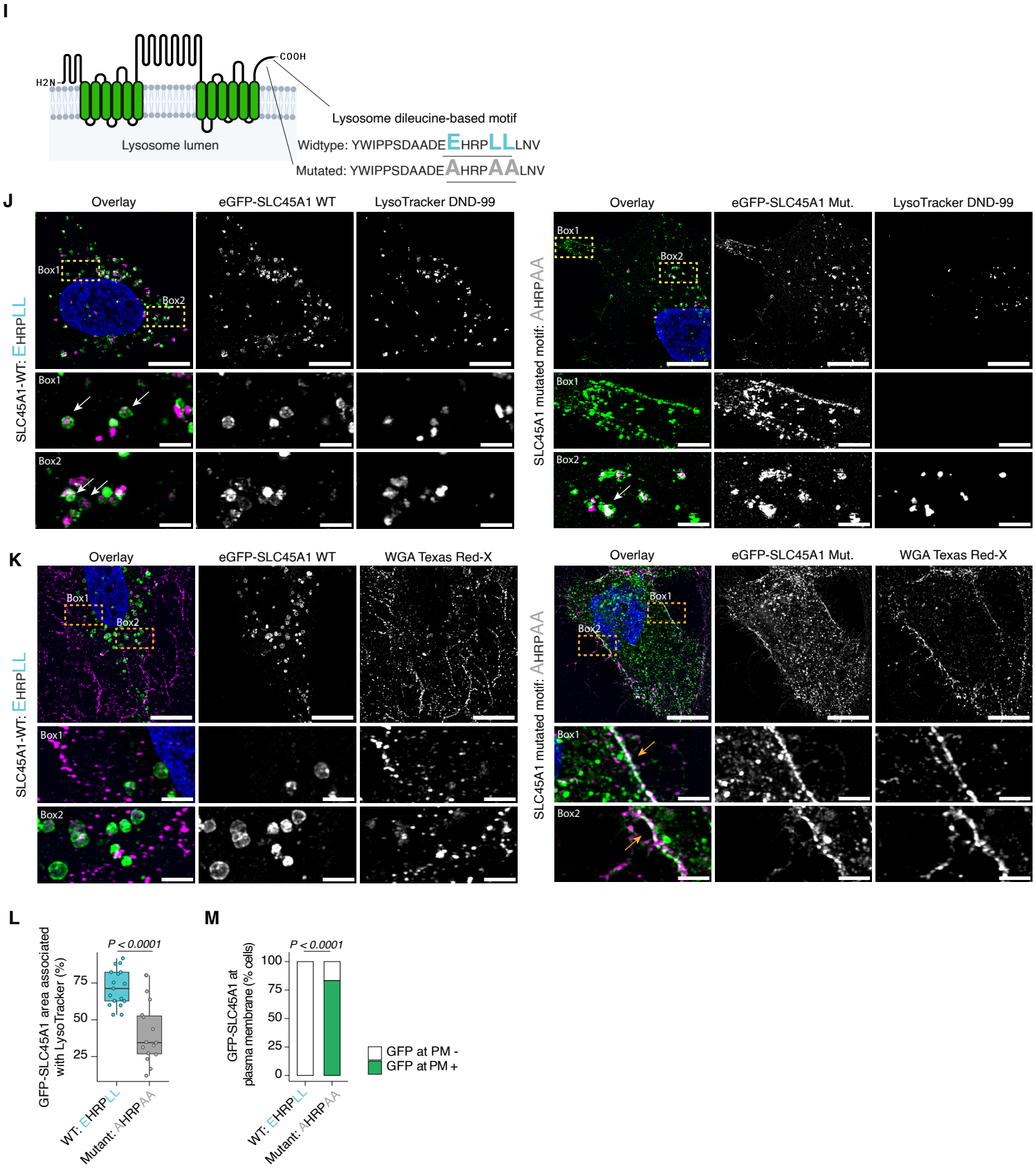
I
H2N
COOH
Lysosome lumen
Lysosome dileucine-based motif
Widtype: YWIPPSDAADEEHRPLLLNV
Mutated: YWIPPSDAADEAHRPAALNV
J
Overlay
eGFP-SLC45A1 WT
LysoTracker DND-99
Overlay
eGFP-SLC45A1 Mut.
LysoTracker DND-99
SLC45A1-WT: EHRPLL
SLC45A1 mutated motif: AHRPAA
Box1
Box2
K
Overlay
eGFP-SLC45A1 WT
WGA Texas Red-X
Overlay
eGFP-SLC45A1 Mut.
WGA Texas Red-X
SLC45A1-WT: EHRPLL
SLC45A1 mutated motif: AHRPAA
L
GFP-SLC45A1 area associated with LysoTracker (%)
P < 0.0001
75
50
25
WT: EHRPLL
Mutant: AHRPAA
M
GFP-SLC45A1 at plasma membrane (% cells)
P < 0.0001
100
75
50
25
0
GFP at PM -
GFP at PM +
WT: EHRPLL
Mutant: AHRPAA