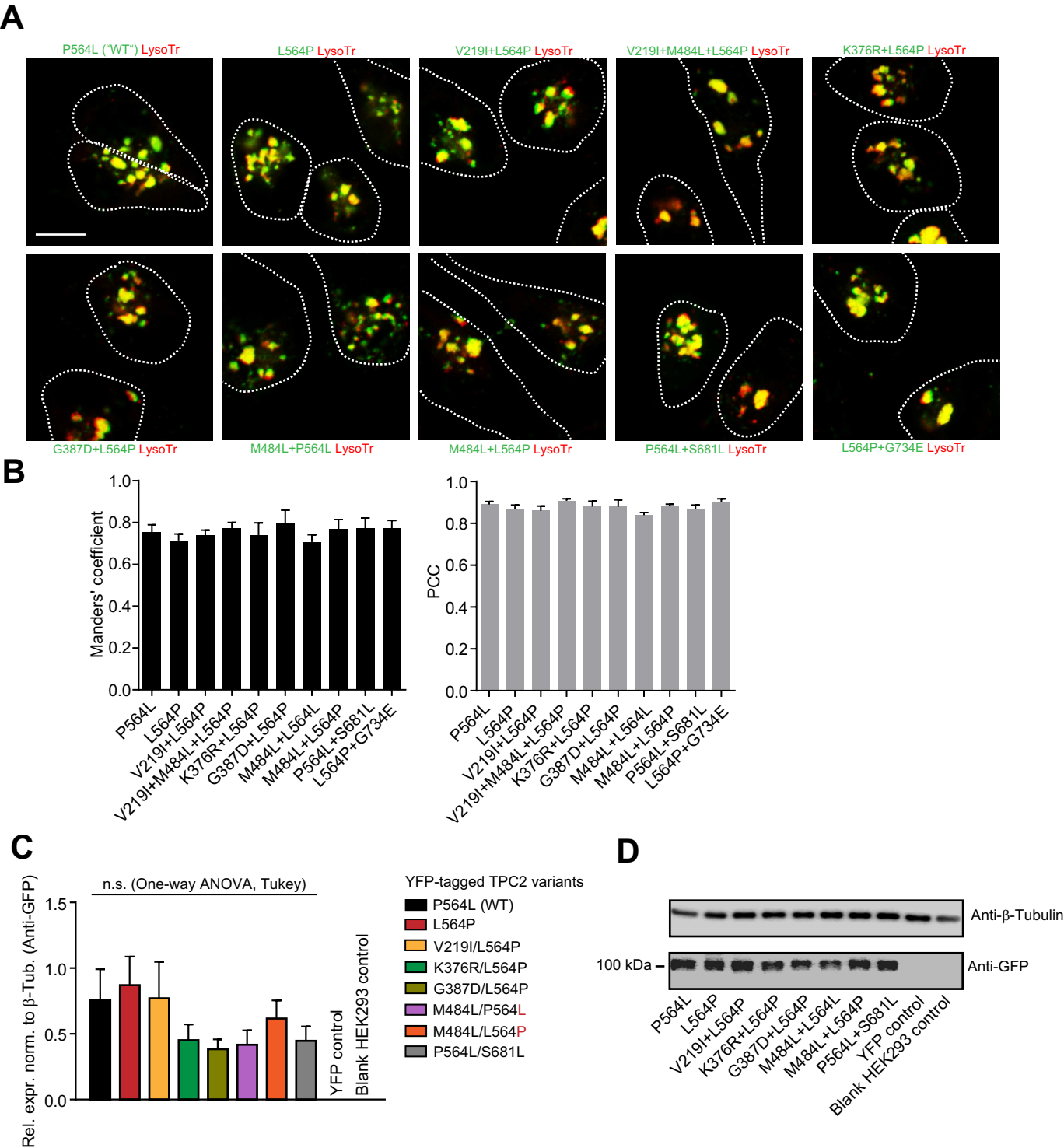
A
P564L ("WT") LysoTr
L564P LysoTr
V219I+L564P LysoTr
V219I+M484L+L564P LysoTr
K376R+L564P LysoTr
G387D+L564P LysoTr
M484L+P564L LysoTr
M484L+L564P LysoTr
P564L+S681L LysoTr
L564P+G734E LysoTr
B
Manders' coefficient
PCC
1.0
0.8
0.6
0.4
0.2
0.0
P564L
L564P
V219I+L564P
V219I+M484L+L564P
K376R+L564P
G387D+L564P
M484L+L564L
M484L+L564P
P564L+S681L
L564P+G734E
C
n.s. (One-way ANOVA, Tukey)
Rel. expr. norm. to β-Tub. (Anti-GFP)
1.5
1.0
0.5
0.0
YFP control
Blank HEK293 control
YFP-tagged TPC2 variants
P564L (WT)
L564P
V219I/L564P
K376R/L564P
G387D/L564P
M484L/P564L
M484L/L564P
P564L/S681L
D
Anti-β-Tubulin
100 kDa
Anti-GFP
P564L
L564P
V219I+L564P
K376R+L564P
G387D+L564P
M484L+L564L
M484L+L564P
P564L+S681L
YFP control
Blank HEK293 control