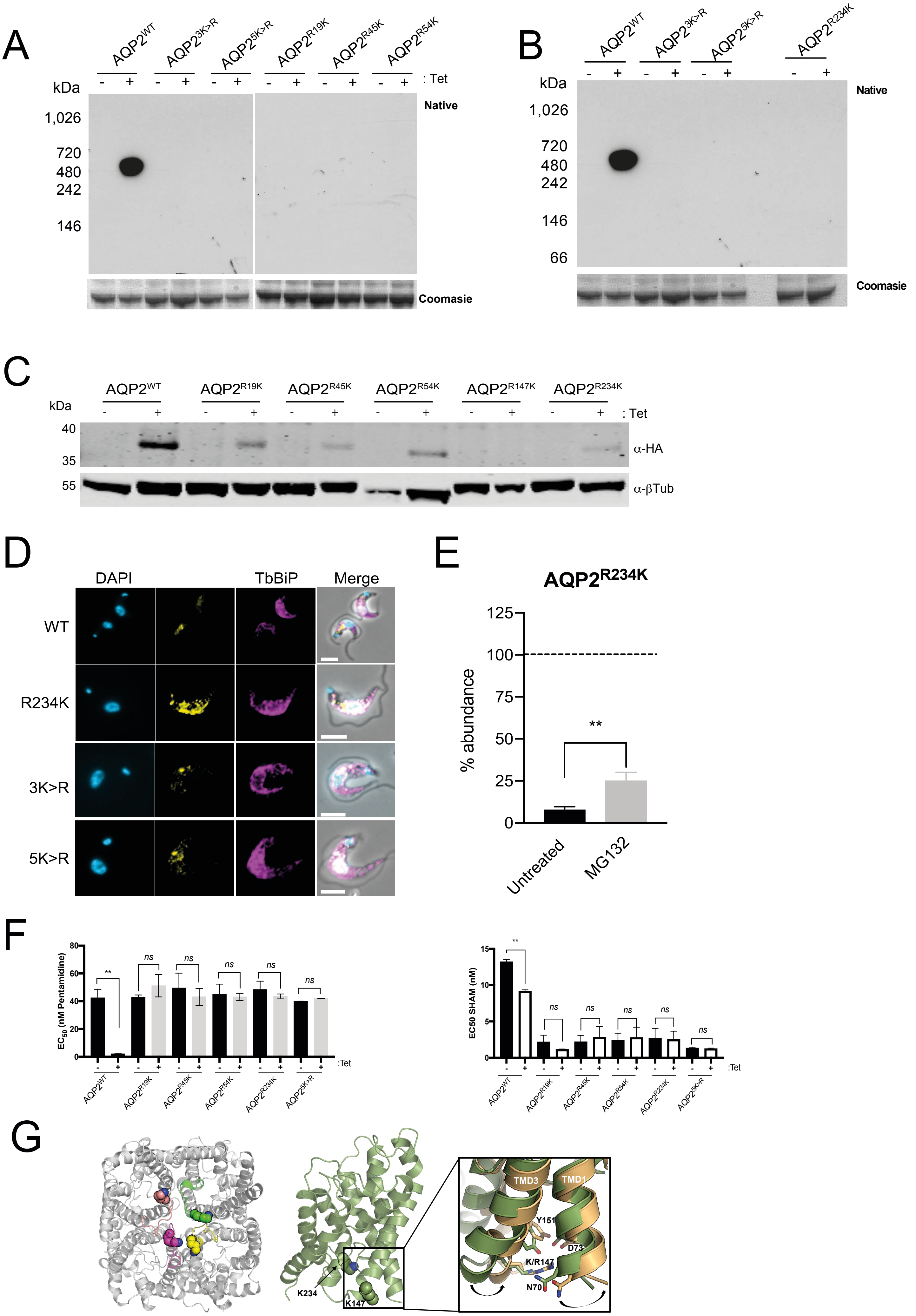
A
AQP2^{WT}
AQP2$^{3K>R}$
AQP2$^{5K>R}$
AQP2^{R19K}
AQP2^{R45K}
AQP2^{R54K}
- + - + - + - + - + - + : Tet
kDa
1,026
720
480
242
146
Native
Coomasie
B
AQP2^{WT}
AQP2$^{3K>R}$
AQP2$^{5K>R}$
AQP2^{R234K}
- + - + - + - +
kDa
1,026
720
480
242
146
66
Native
Coomasie
C
AQP2^{WT}
AQP2^{R19K}
AQP2^{R45K}
AQP2^{R54K}
AQP2^{R147K}
AQP2^{R234K}
kDa
- + - + - + - + - + - + : Tet
40
35
55
α-HA
α-βTub
D
DAPI
TbBiP
Merge
WT
R234K
3K>R
5K>R
E
AQP2^{R234K}
% abundance
125
100
75
50
25
0
**
Untreated
MG132
F
EC$_{50}$ (nM Pentamidine)
80
60
40
20
0
**
ns
ns
ns
ns
ns
- + - + - + - + - + - + :Tet
AQP2^{WT}
AQP2^{R19K}
AQP2^{R45K}
AQP2^{R54K}
AQP2^{R234K}
AQP2$^{5K>R}$
EC50 SHAM (nM)
15
10
5
0
**
ns
ns
ns
ns
ns
- + - + - + - + - + - + :Tet
AQP2^{WT}
AQP2^{R19K}
AQP2^{R45K}
AQP2^{R54K}
AQP2^{R234K}
AQP2$^{5K>R}$
G
K234
K147
TMD3
TMD1
Y151
D73
K/R147
N70