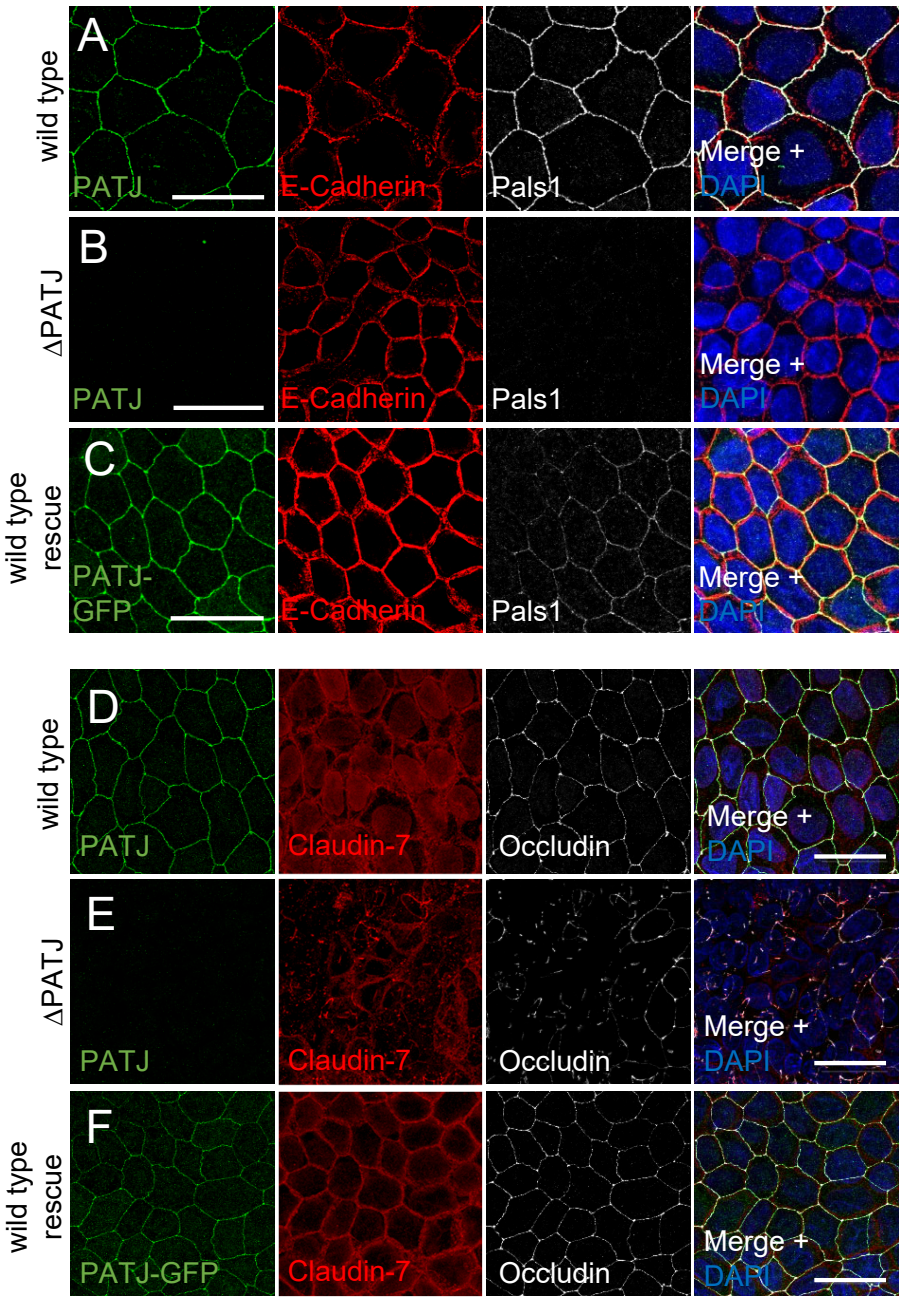
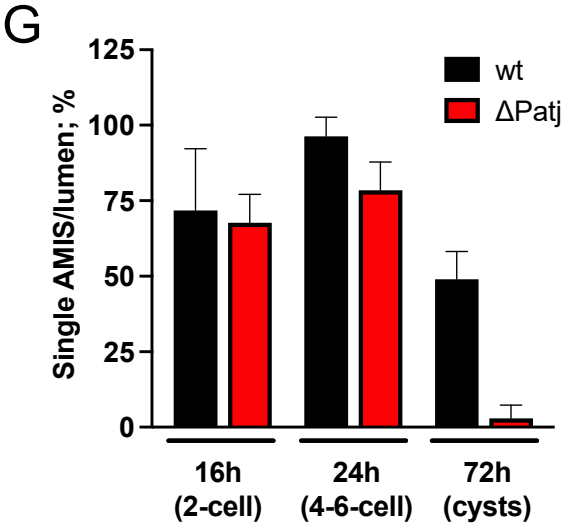
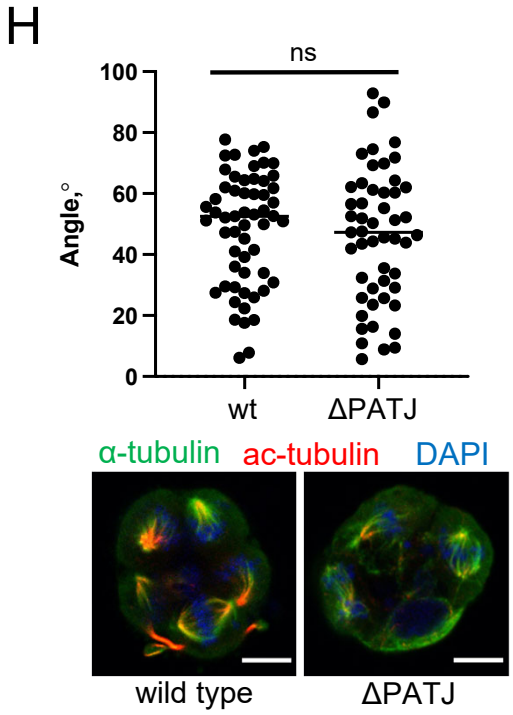
**Figure S2**


A
wild type
PATJ
E-Cadherin
Pals1
Merge +
DAPI
B
ΔPATJ
PATJ
E-Cadherin
Pals1
Merge +
DAPI
C
wild type
rescue
PATJ-
GFP
E-Cadherin
Pals1
Merge +
DAPI
D
wild type
PATJ
Claudin-7
Occludin
Merge +
DAPI
E
ΔPATJ
PATJ
Claudin-7
Occludin
Merge +
DAPI
F
wild type
rescue
PATJ-GFP
Claudin-7
Occludin
Merge +
DAPI


G
Single AMIS/lumen; %
125
100
75
50
25
0
wt
ΔPatj
16h
(2-cell)
24h
(4-6-cell)
72h
(cysts)


H
ns
Angle,°
100
80
60
40
20
0
wt
ΔPATJ
α-tubulin
ac-tubulin
DAPI
wild type
ΔPATJ