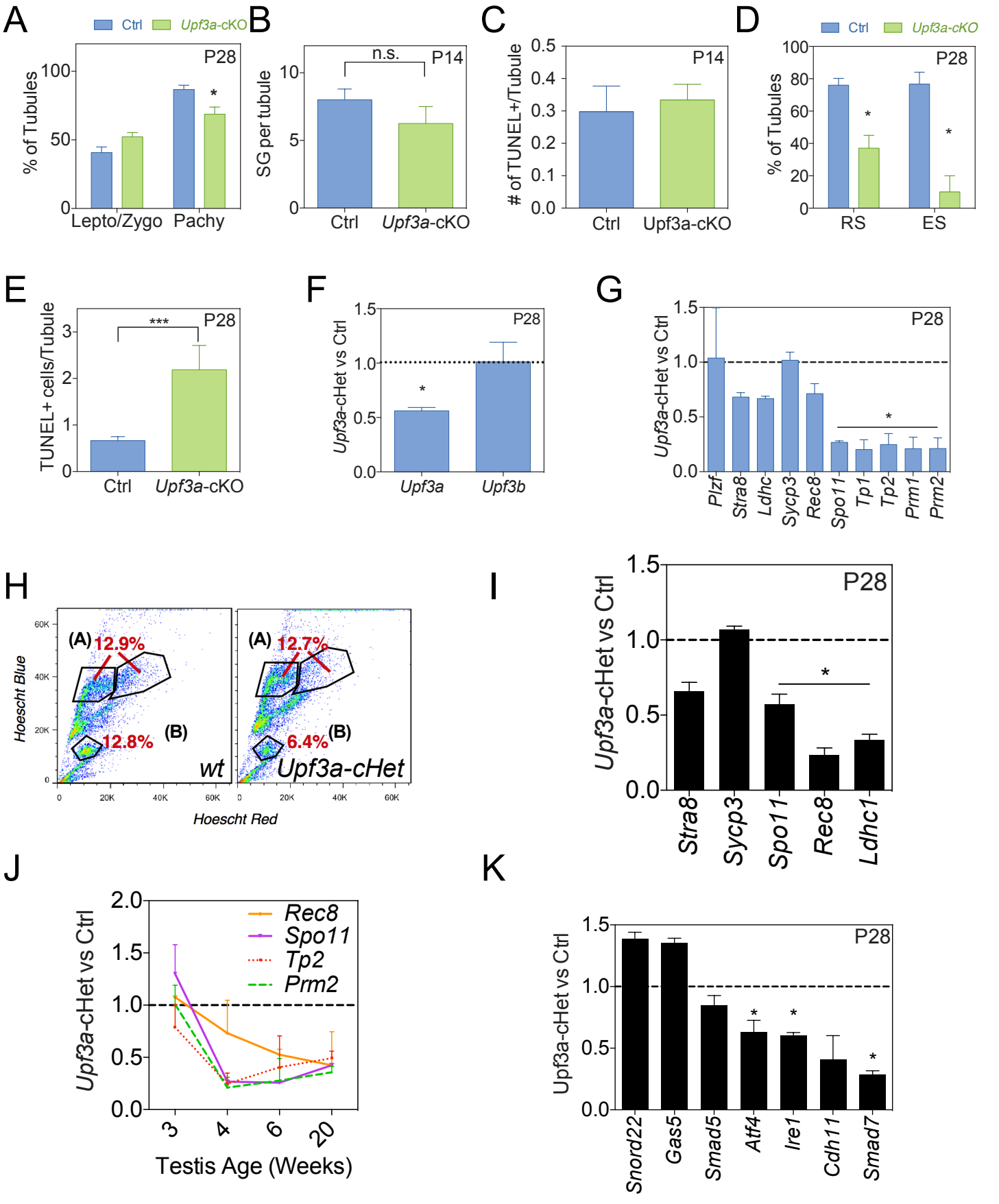
Figure S7


A
Ctrl
Upf3a-cKO
P28
% of Tubules
100
50
0
*
Lepto/Zygo
Pachy
B
n.s.
P14
SG per tubule
10
5
0
Ctrl
Upf3a-cKO
C
P14
# of TUNEL+/Tubule
0.5
0.4
0.3
0.2
0.1
0.0
Ctrl
Upf3a-cKO
D
Ctrl
Upf3a-cKO
P28
% of Tubules
100
80
60
40
20
0
*
*
RS
ES
E
***
P28
TUNEL+ cells/Tubule
3
2
1
0
Ctrl
Upf3a-cKO
F
P28
Upf3a-cHet vs Ctrl
1.5
1.0
0.5
0.0
*
Upf3a
Upf3b
G
P28
Upf3a-cHet vs Ctrl
1.5
1.0
0.5
0.0
*
Plzf
Stra8
Ldhc
Sycp3
Rec8
Spo11
Tp1
Tp2
Prm1
Prm2
H
(A)
12.9%
(B)
12.8%
wt
(A)
12.7%
(B)
6.4%
Upf3a-cHet
Hoescht Blue
Hoescht Red
60K
40K
20K
0
20K
40K
60K
I
P28
Upf3a-cHet vs Ctrl
1.5
1.0
0.5
0.0
*
Stra8
Sycp3
Spo11
Rec8
Ldhc1
J
Rec8
Spo11
Tp2
Prm2
Upf3a-cHet vs Ctrl
2.0
1.5
1.0
0.5
0.0
3
4
6
20
Testis Age (Weeks)
K
P28
Upf3a-cHet vs Ctrl
1.5
1.0
0.5
0.0
*
*
*
Snord22
Gas5
Smad5
Atf4
Ire1
Cdh11
Smad7