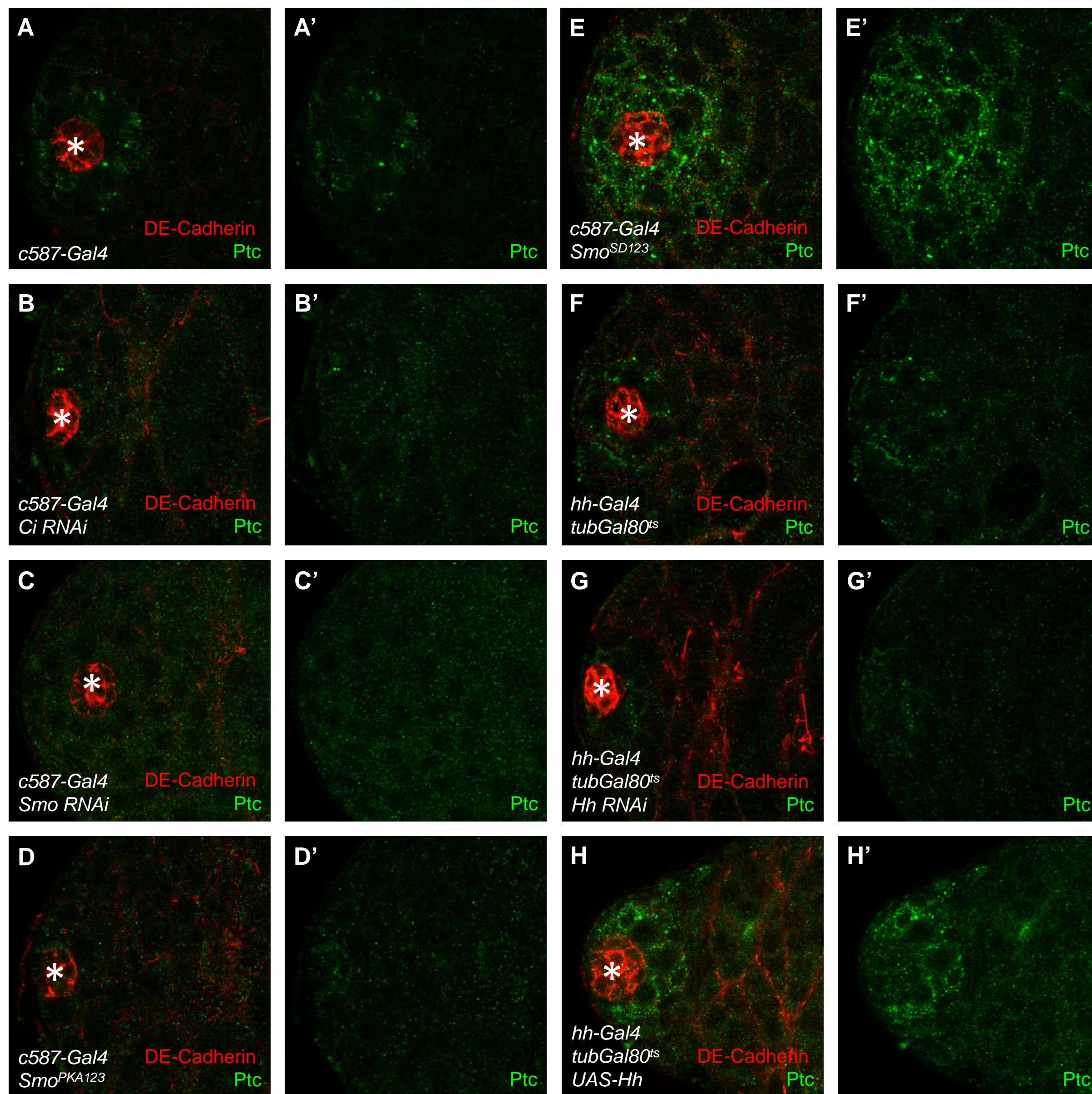


## Supplementary information



### Figure S2 Ptc responds to different Hh signaling activities in testis.

(A-H') Indicated testes are immunostained to show Ptc (green) and DE-Cadherin (red). Compare with control (A-A'), *Ci RNAi* (B-B'), *Smo RNAi* (C-C') and *Smo<sup>PKA123</sup>* (D-D') reduce Ptc level, while *Smo<sup>SD123</sup>* (E-E') increase Ptc level dramatically. Increased Hh from hub activates Ptc expression (H-H') and decreased Hh from hub reduce Ptc expression (G-G'). All the apices of testes are positioned to the left and asterisks indicate the hub cells.