Table S1. Quantification of *smo* requirement in self-renewal

Genotype	Days after clone induction	Testes with marked CySC clones (%)	Testes with marked GSC clones (%)	Testes scored (*n*)
Control (FRT^{40A})	2	81.4	88.4	43
	7	62.0	82.3	79
smo^{2}	2	40.4	86.5	52
	7	8.9	73.3	101
smo^{119B6}	2	53.3	70.0	30
	7	0.0	72.7	44
smo^{D16}	2	41.2	70.6	34
	7	3.5	59.6	57
smo^{D16}, $Pka\text{-}C1^{H2}$	2	62.0	84.0	50
	7	17.0	88.7	53

Negatively marked clones of the indicated genotype were generated in adults after eclosion, aged for 2 or 7 days and scored for the presence of CySC and GSC clones. All samples were labeled for Vasa and Tj and the hub was identified as a cluster of low-level Tj-expressing cells. GSCs contact the hub directly, whereas Tj-positive cells one diameter away from the hub were scored as CySCs. Loss of CySCs in *smo* mutant clones at 7 dpci was statistically significant compared with the FRT^{40A} control, as follows: smo^{2}, $P<1.1\times10^{-8}$; smo^{119b6}, $P<8.0\times10^{-8}$; smo^{D16}, $P<3.5\times10^{-8}$; and compared with smo^{D16} alone, smo^{D16}, $Pka\text{-}C1^{H2}$ showed a significant rescue of CySC recovery ($P<0.04$). These data are represented graphically in Fig. 3G.