

Supplemental Tables:

Table S1: Quantification of hub cell number during conditional loss of *esg* in hub cells. Complements Figure 3.

Genotype	Hub marker	1d at 18°C	10d at 18°C	20d at 18°C	5d at 29°C	10d at 29°C
<i>updGAL4, UAS-GFP; UAS-esg-RNAi</i>	Fas III	3.8±0.50 (16)	3.8±0.46 (22)	4.1±0.49 (30)	-	0.9±0.31 (11)
<i>updGAL4, UAS-GFP; UAS-esg-RNAi</i>	DE-Cad	4.5±0.48 (11)	3.1±0.64 (12)	4.1±0.35 (29)	-	0±0 (14)
TOTAL		4.1±0.35 (27)	3.6±0.34 (34)	4.1±0.34 (59)	-	0.4±0.46 (25)
		1d at 18°C	5d at 18°C	17d at 18°C	5d at 29°C	10d at 29°C
<i>updGAL4, UAS-esg^{RNAi}, gal80ts</i>	Fas III/ DE-Cad	6.8±2.37 (23)	7.7±2.19 (25)	5.2±0.45 (31)	2.3±1.98 (15)	0.2±0.79 (38)
<i>updGAL4;; gal80ts outcrossed to OreR</i>	Fas III/ DE-Cad	7.2±1.70 (15)	10.6±2.72 (25)	-	7.2±2.69 (16)	8.1±2.38 (30)

Table S2: Quantification of Testes with GFP negative (*esg*) germline clones. Complements Figure S4.

Genotype	3 days	5 days	7 days
Control (<i>FRT40A</i>)	46/77 (60%)	17/38 (45%-E) 30/38 (79%-L)	32/50 (64%-E) 38/50 (76%-L)
<i>FrT40A esg^{G66}</i>	29/47 (62%)	4/8 (50%-E) 6/8 (75%-L)	27/52 (52%-E) 36/52 (70%-L)
<i>FRT40A esg^{L2}</i>	21/30 (70%)	2/11 (18%-E) 7/11 (68%-L)	23/61 (38%-E) 41/61 (67%-L)

Table S3: Escargot Interacting Proteins (Excel File). Complements Figure 7.