



Figure S1

Figure S1: Src drives ISC hyperproliferation in the adult *Drosophila* midgut. (A, B) 7-day old paraffin embedded *esg^{ts}>gfp* intestines analyzed by Haematoxylin and Eosin H+E (A) and BrdU (B) staining. Scale bars: 50um. (C, C') 7 day-old *esg^{ts}>gfp* midguts stained with anti-pH3 (red) to visualize proliferating ISCs (arrow). Scale bar: 20um. (D-H) Adult posterior midguts from control animals (*esg^{ts}>gfp*) or animals overexpressing Src (*esg^{ts}>Scr64^{wt}* or *esg^{ts}>Scr42^{CA}*) or RNA interference for the Src inhibitor Csk (*esg^{ts}>Csk-IR*). Note that co-expression of human ChK (*esg^{ts}>Scr64^{wt}; Chk*) suppresses Src-driven hyperproliferation in the *Drosophila* midgut. D, E, G, H were analysed 7 days after transgene induction while F was analysed 14 days after transgene induction. (I, J) H+E staining of paraffin embedded midguts as in G, H. Scale bars: 50um