



Figure S3

Figure S3: Src drives ISC hyperproliferation through upregulation of the EGFR/MAPK and Stat signalling pathway. (A-Q) Adult posterior midguts from animals of the indicated genotypes after 7 days of transgene expression. Knockdown of EGFR/Ras or Stat in ISCs/EBs suppresses hyperproliferation in *Src* overexpressing midguts. (R) qRT-PCR from control (*esg^{ts}>gfp*) and *Src* overexpressing (*esg^{ts}>Scr64^{wt}*) whole midguts to assess JNK signalling activation through transcript levels of the JNK target and phosphatase *puckered* (*puc*). *Src* overexpression results in *puc* upregulation. (S) Quantification of ISC proliferation in posterior midguts from animals of the indicated genotypes after 7 days of transgene expression. Data represent average values \pm S.E.M. (one-way ANOVA with Bonferroni's Multiple Comparison Test). N.S. (Non-statistically significant). (T) Immunofluorescence of posterior midguts as in S. JNK inhibition in ISCs/EBs does not suppress ISC hyperproliferation in *Src* overexpressing midguts. Scale bars: 50um