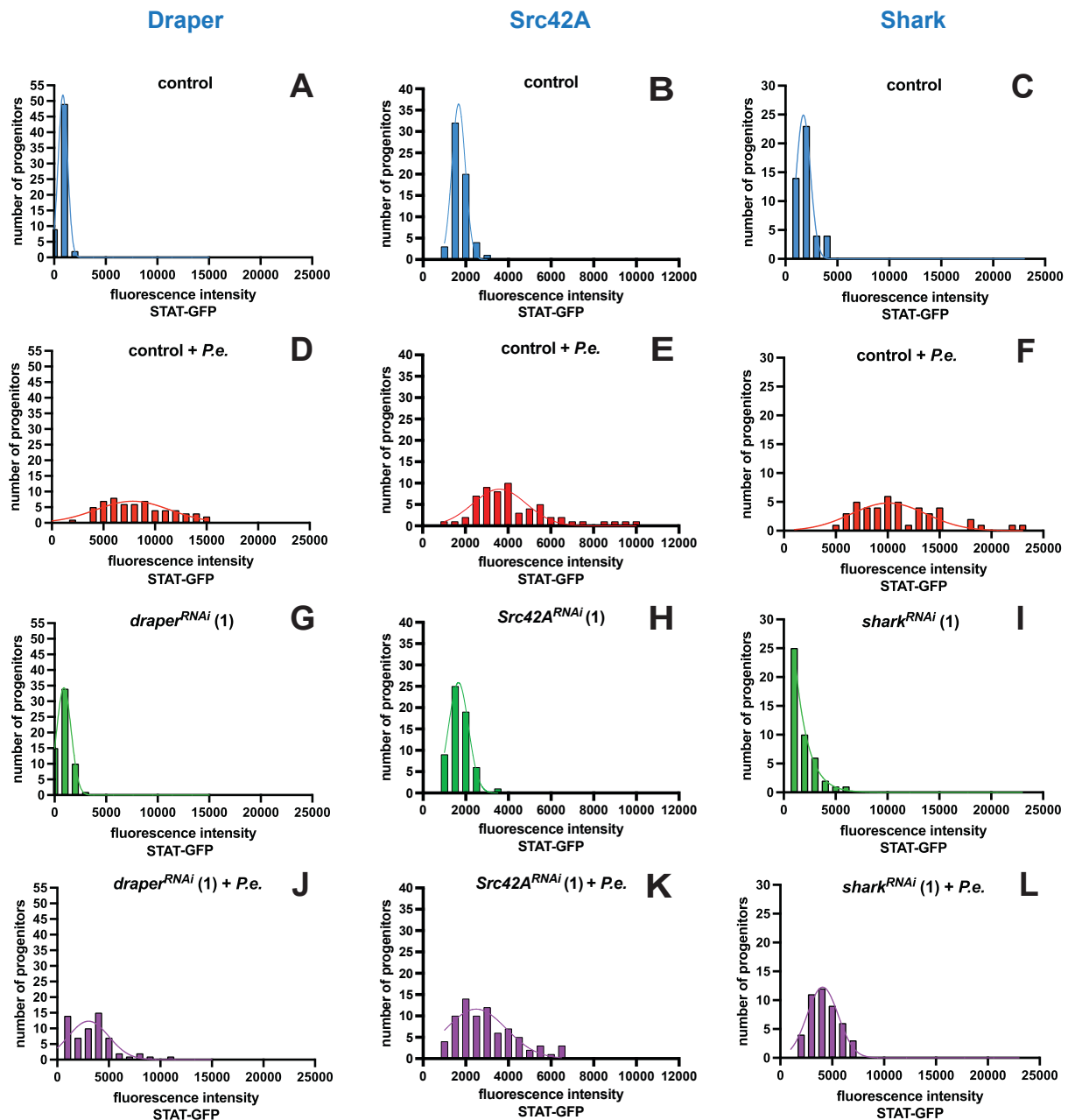


Appendix for “Damage recognition by intestinal stem cells via Draper promotes adult *Drosophila* midgut regeneration”

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Appendix Figure S1. Draper-Src-Shark signalling promotes STAT activity in progenitors after midgut damage. Pages 2-3.



Appendix Figure S1. Draper-Src-Shark signalling promotes STAT activity in progenitors after midgut damage. STAT activity increases in progenitors after *P.e.* infection (**A-F**). STAT activity (10X STAT-GFP fluorescence intensity) increased in progenitors of *P.e.*-infected control midguts (n=60 cells from four midguts from one of two experiments (**D**), n=60 cells from four midguts from one of two experiments (**E**) and n=45 cells from three midguts from one of three experiments (**F**) compared to progenitors in uninfected control midguts (n=60 cells from four midguts from one of two experiments (**A**), n=60 cells from four midguts from one of two experiments (**B**) and n=45 cells from three midguts from one of three experiments (**C**)). Draper promotes STAT activity in progenitors after *P.e.* infection (**A, D, G, J**). STAT activity decreased in progenitors expressing *draper*^{RNAi} in *P.e.*-infected midguts (n=60 cells from four midguts from one of two experiments (**J**) compared to infected control midguts (**D**). Basal STAT activity in progenitors expressing *draper*^{RNAi} in uninfected midguts (n=60 cells from four

midguts from one of two experiments) (**G**) was similar to progenitors in uninfected control midguts (**A**). Src42A promotes STAT activity in progenitors after *P.e.* infection (**B**, **E**, **H**, **K**). Stat activity decreased in progenitors expressing *Src42A^{RNAi}* in *P.e.*-infected midguts (n=60 cells from four midguts from one of two experiments) (**K**) compared to infected control midguts (**E**). Basal STAT activity in progenitors expressing *Src42A^{RNAi}* in uninfected midguts (n=60 cells from four midguts from one of two experiments) (**H**) was similar to progenitors in uninfected control midguts (**B**). Shark promotes STAT activity in progenitors after *P.e.* infection (**C**, **F**, **I**, **L**). Stat activity decreased in progenitors expressing *shark^{RNAi}* in *P.e.*-infected midguts (n=45 cells from three midguts from one of three experiments) (**L**) compared to infected control midguts (**F**). Basal STAT activity in progenitors expressing *shark^{RNAi}* in uninfected midguts (n=45 cells from three midguts from one of three experiments) (**I**) was similar to progenitors in uninfected control midguts (**C**).