**Table S1 Fly strains**

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| **Genotype** | **Chrom.** | **Source** |
| *w118* | I | David Bilder |
| *hsflp122* | I | Iswar Hariharan |
| *act>y+>GAL4, UAS-GFP/TM6b* | III | David Bilder |
| *UAS-fkh-3xHA* | I | Martin Juenger |
| *hsflp122; Dad4-LacZ/CyO* | I,II,III | Giorgios Pyrowolakis |
| *UAS-tkvCA* | I | BDSC 36537 |
| *tub-miniCic-mCherry (or miniCic-mCherry)* | II | Romain Levayer |
| *tub-miniCic-mScarlett (or miniCic-mScarlett)* | II | Romain Levayer |
| *UAS-EgfrCA/TM6c* | III | BDSC 59843 |
| *UAS-p35* | II | David Bilder |
| *UAS-p35* | III | David Bilder |
| *UAS-ey* | II | BDSC 6294 |
| *UAS-armS10* | I | Suzanne Eaton |
| *UAS-ci-HA* | III | BDSC 32570 |
| *UAS-tkv-RNAi (TRiP.HMS02185)* | II | BDSC 40937 |
| *TRE-RFP* | II | Dirk Bohmann |
| *pucA251.1F3 >LacZ/TM6c* | III | BDSC 11173 |
| *UAS-bskDN* | I | BDSC 6409 |
| *UAS-myc-HA* | III | BDSC 64759 |
| *FRT82B ubi-GFP, RpS3Plac92/TM6c* | III | BDSC 5627 |
| *UAS-wts RNAi (101055/KK)* | II | VDRC 111002 |
| *en-GAL4, UAS-GFP* | II | David Bilder |
| *brk-GAL4; UAS-CD8-GFP, LexO-mCherry-CAAX/SM5-TM6b; LexΟ-tkvCA /SM5-TM6b* | I,II,III | Giorgios Pyrowolakis |
| *tub-GAL80ts* | III | BDSC 7018 |
| *UAS-RasV12* | II | Helena Richardson |
| *UAS-RasV12* | III | BDSC 4847 |