**Supplementary File 2. Fly strains used**

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| **Fly strain** | **Sources and References** | **RRID** |
| *Oregon R* (wild type) |  |  |
| *sage-Gal4* | Chung et al., 2009 |  |
| *fkh-Gal4* | Henderson and Andrew, 2000 |  |
| *Papss2* | Bloomington Stock Center | BDSC\_26171 |
| *UAS-p35* | Bloomington Stock Center | BDSC\_5072 |
| *UAS-Papss-PD* | This work |  |
| *UAS-Papss-PE* | This work |  |
| *UAS-Papss-PDK193A, F593F* | This work |  |
| *Dpy-YFP* | Kyoto stock center | DGGR\_115238 |
| *SrpHemo3x-mCherry* | Gyoergy et al., 2018 | BDSC\_78358 |
| *Dp-YFP, mCh-Qsm* | Chu and Hayashi, 2021 |  |
| *mCh-Qsm* | Chu and Hayashi, 2021 |  |
| *Dpy-YFP, mCh-Pio* | Drees et al., 2023 |  |
| *UAS-ManII-GFP* | Bloomington stock center | BDSC\_65248 |
| *UAS-GFP-KDEL* | Bloomington stock center | BDSC\_9898 |
| *pio17c* | Drees et al., 2023 |  |
| *NpC2* | Drees et al., 2023 |  |
| *dpyov1* | Bloomington stock center | BDSC\_276 |
| *Grasp65102* | Zhou et al., 2014 | BDSC\_65257 |
| *GM130D23* | Zhou et al., 2014 | BDSC\_65255 |
| *UAS-Np.WT-Strep* | Drees et al., 2019 |  |
| *UAS-Np.S990A-GFP* | Drees et al., 2019 |  |