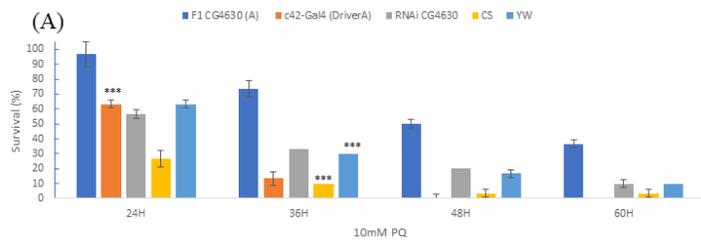
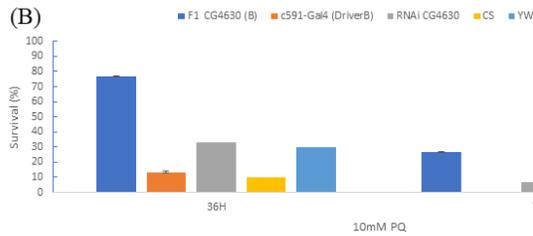




Supplementary Figure S1: Knockdowns generated with CG6126 and Driver A and B, respectively, show resistance to paraquat induced oxidative stress. CG6126 Driver A knockdowns were created using parent lines: BDSC Stock 56038 (CG6126) and BDSC Stock 30835 (driver A). Each time point listed has shown statistical significance ($p < 0.05$) when total survival was compared at that moment, unless noted otherwise. Error bars represent standard error. *** is used to indicate time points where statistical analysis via T-test yielded error due to the nature of the data. However, based on other significant timepoints, we expect these indicated points to show increased resistance as well. Data in graph A of Supplementary Figure 1 show comparisons between knockdowns generated with BDSC Stock 56038 (CG6126) and BDSC Stock 30835 (Driver A). Data in graph B of Supplementary Figure 1 show comparisons between knockdowns generated with BDSC Stock 56038 (CG6126) and BDSC Stock 30843 (Driver B). Alongside graphs A and B are tables that display associated p-values.



| | F1 v c42-Gal4 (DriverA) | F1 v RNAi | F1 v CS | F1 vs YW |
|----------|-------------------------|-----------|-----------|-----------|
| 24 hours | *** | 0.0315040 | 0.0198039 | 0.0098525 |
| 36 hours | 0.0130725 | 0.0377496 | *** | *** |
| 48 hours | 0.0058652 | 0.0198039 | 0.0050633 | 0.0098525 |
| 60 hours | 0.0081634 | 0.0741799 | 0.0377496 | 0.0152681 |

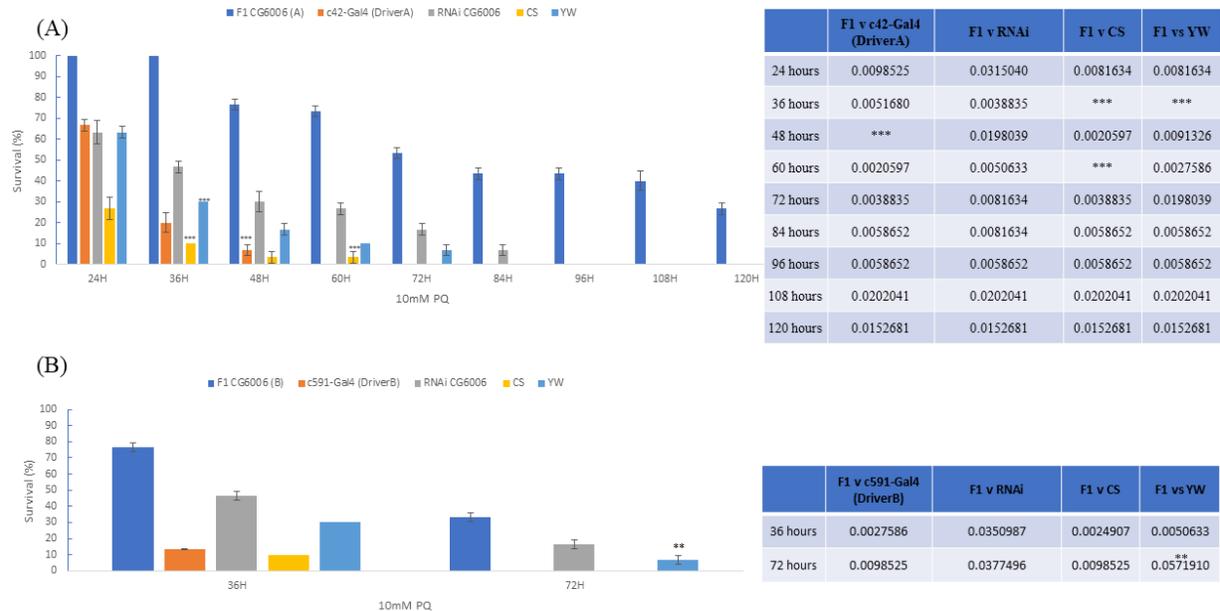


| | F1 v c591-Gal4 (DriverB) | F1 v RNAi | F1 v CS | F1 vs YW |
|----------|--------------------------|-----------|-----------|-----------|
| 36 hours | 0.0188442 | 0.0202041 | 0.0024907 | 0.0050633 |
| 72 hours | 0.0152681 | 0.0377496 | 0.0152681 | ** |

Supplementary Figure S2: Knockdowns generated with CG4630 and Driver A and B, respectively, show resistance to paraquat induced oxidative stress. CG4630 driver A knockdowns were created using parent lines: BDSC Stock 61249 (CG4630) and BDSC Stock 30835 (driver A). Each time point listed has shown statistical significance ($p < 0.05$) when total survival was compared at that moment, unless noted otherwise. Error bars represent standard error. *** is used to indicate time points where statistical analysis via T-test yielded error due to the nature of the data. However, based on other significant timepoints, we expect these indicated points to show increased resistance as well. ** indicates p -value > 0.05 for that specific comparison and timepoint. Data in graph A of Supplementary Figure 2 show comparisons between knockdowns generated with BDSC Stock 61249 (CG4630) and BDSC Stock 30835 (Driver A). Data in graph B of Supplementary Figure 2 show comparisons between knockdowns generated with BDSC Stock 61249 (CG4630) and BDSC Stock 30843 (Driver B). Alongside graphs A and B are tables that display associated p -values.



Supplementary Figure S3: Knockdowns generated with CG16727 and Driver A and B, respectively, show resistance to paraquat induced oxidative stress. CG16727 driver A knockdowns were created using parent lines: BDSC Stock 57434 (CG16727) and BDSC Stock 30835 (driver A). Each time point listed has shown statistical significance ($p < 0.05$) when total survival was compared at that moment, unless noted otherwise. Error bars represent standard error. *** is used to indicate time points where statistical analysis via T-test yielded error due to the nature of the data. However, based on other significant timepoints, we expect these indicated points to show increased resistance as well. ** indicates p -value > 0.05 for that specific comparison and timepoint. Data in graph A of Supplementary Figure 3 show comparisons between knockdowns generated with BDSC Stock 57434 (CG16727) and BDSC Stock 30835 (Driver A). Data in graph B of Supplementary Figure 3 show comparisons between knockdowns generated with BDSC Stock 57434 (CG16727) and BDSC Stock 30843 (driver B). Alongside graphs A and B are tables that display associated p -values. * indicates a p -value of $4.1119371E-18$ for F1 CG16727 (A) vs YW.



Supplementary Figure S4: Knockdowns generated with CG6006 and Driver A and B, respectively, show resistance to paraquat induced oxidative stress. CG6006 Driver A knockdowns were created using parent lines: BDSC Stock 55282 (CG6006) and BDSC Stock 30835 (Driver A). Each time point listed has shown statistical significance ($p < 0.05$) when total survival was compared at that moment, unless noted otherwise. Error bars represent standard error. *** is used to indicate time points where statistical analysis via T-test yielded error due to the nature of the data. However, based on other significant timepoints, we expect these indicated points to show increased resistance as well. ** indicates $p > 0.05$ for that specific comparison and timepoint. Data in graph A of Supplementary Figure 4 show comparisons between knockdowns generated with BDSC Stock 55282 (CG6006) and BDSC Stock 30835 (Driver A). Data in graph B of Supplementary Figure 4 show comparisons between knockdowns generated with BDSC Stock 55282 (CG6006) and BDSC Stock 30843 (Driver B). Alongside graphs A and B are tables that display associated p-values.