

Table S1 Statistical analyses for main figures. Welch's two-tailed t-tests were performed for all egg count data. P-values reported were calculated for comparisons between paired treatment-group and unexposed.

<u>Corresponding figure</u>	<u>Comparison groups</u>	<u>Sample size</u>	<u>p-value</u>	<u>Statistical test</u>
1B	CS (0-24) exposed vs unexposed	4	1.34E-05	t-test
1B	CS (24-48) exposed vs unexposed	4	1.15E-03	t-test
1B	OreR (0-24) exposed vs unexposed	4	6.19E-04	t-test
1B	OreR (24-48) exposed vs unexposed	4	3.21E-06	t-test
1B	w1118 (0-24) exposed vs unexposed	4	1.93E-04	t-test
1B	w1118 (24-48) exposed vs unexposed	4	2.42E-04	t-test
1C	CS (0-24) 2.5 hr exposed vs unexposed	4	5.10E-01	t-test
1C	CS (24-48) 2.5 hr exposed vs unexposed	4	1.70E-01	t-test
1C	CS (0-24) 7 hr exposed vs unexposed	4	6.65E-02	t-test
1C	CS (24-48) 7 hr exposed vs unexposed	4	3.76E-01	t-test
1C	CS (0-24) 14 hr exposed vs unexposed	4	5.35E-05	t-test
1C	CS (24-48) 14 hr exposed vs unexposed	4	9.98E-04	t-test
1C	CS (0-24) 24 hr exposed vs unexposed	4	1.34E-05	t-test
1C	CS (24-48) 24 hr exposed vs unexposed	4	1.15E-03	t-test
2A	Adf1[<i>nal</i>] (0-24) exposed vs unexposed	4	5.65E-01	t-test
2A	Adf1 [<i>nal</i>] (24-48) exposed vs unexposed	4	9.93E-01	t-test
2B	rut[1] (0-24) exposed vs unexposed	4	6.51E-01	t-test
2B	rut [1] (24-48) exposed vs unexposed	4	5.30E-01	t-test
2C	rut[2080] (0-24) exposed vs unexposed	4	7.95E-01	t-test
2C	rut[2080] (24-48) exposed vs unexposed	4	2.53E-01	t-test
2D	amn[X8] (0-24) exposed vs unexposed	4	2.30E-01	t-test
2D	amn [X8] (24-48) exposed vs unexposed	4	1.01E-01	t-test
2E	amn[1] (0-24) exposed vs unexposed	4	2.24E-01	t-test
2E	amn[1] (24-48) exposed vs unexposed	4	7.51E-01	t-test
2F	dnc[1] (0-24) exposed vs unexposed	4	4.83E-01	t-test
2F	dnc[1] (24-48) exposed vs unexposed	4	9.90E-01	t-test
2G	dnc[ML] (0-24) exposed vs unexposed	4	3.93E-01	t-test
2G	dnc[ML] (24-48) exposed vs unexposed	4	1.10E-01	t-test
2H	FMR1[3] (0-24) exposed vs unexposed	4	3.22E-01	t-test
2H	FMR1[3] (24-48) exposed vs unexposed	4	2.36E-01	t-test
2I	FMR1[B55] (0-24) exposed vs unexposed	4	5.25E-01	t-test
2I	FMR1[B55] (24-48) exposed vs unexposed	4	3.24E-01	t-test
2J	Orb2[ΔQ] (0-24) exposed vs unexposed	4	4.00E-01	t-test
2J	Orb2[ΔQ] (24-48) exposed vs unexposed	4	6.14E-01	t-test
2K	Orb2[ΔQ] (0-24) constant exposure vs unexposed	4	6.84E-05	t-test
2K	Orb2[ΔQ] (24-48) constant exposure vs unexposed	4	3.91E-04	t-test
3A	TeTx (0-24) exposed vs unexposed	4	7.18E-01	t-test
3A	TeTx (24-48) exposed vs unexposed	4	6.78E-02	t-test
3B	TeTx (0-24) constant exposure vs unexposed	4	5.54E-03	t-test
3B	TeTx (24-48) constant exposure vs unexposed	4	6.75E-07	t-test
3C	OK107 GAL4 (0-24) exposed vs unexposed	4	6.67E-04	t-test
3C	OK107 GAL4 (24-48) exposed vs unexposed	4	8.10E-04	t-test
3D	UAS TeTx (0-24) exposed vs unexposed	4	1.71E-04	t-test
3D	UAS TeTx (24-48) exposed vs unexposed	4	1.99E-06	t-test
4A	Orb2 [RNAi] (0-24) exposed vs unexposed	4	3.48E-01	t-test
4A	Orb2 [RNAi] (24-48) exposed vs unexposed	4	7.25E-01	t-test
4C	Orb2 [RNAi] (0-24) constant exposure vs unexposed	4	9.21E-04	t-test
4C	Orb2 [RNAi] (24-48) constant exposure vs unexposed	4	1.96E-04	t-test
4D	UAS Orb2 [RNAi] (0-24) exposed vs unexposed	4	1.52E-04	t-test
4D	UAS Orb2 [RNAi] (24-48) exposed vs unexposed	4	6.06E-05	t-test
5E	MB switch ; Orb2 [RNAi] RU486+ (0-24) exposed vs unexposed	4	4.59E-01	t-test
5E	MB switch ; Orb2 [RNAi] RU486+ (24-48) exposed vs unexposed	4	7.22E-01	t-test
5F	MB switch ; Orb2 [RNAi] RU486- (0-24) exposed vs unexposed	4	3.14E-03	t-test
5F	MB switch ; Orb2 [RNAi] RU486 (24-48) exposed vs unexposed	4	6.33E-03	t-test
5G	MB switch ; Orb2 [RNAi] RU486+ (0-24) constant exposure vs unexposed	4	4.73E-07	t-test
5G	MB switch ; Orb2 [RNAi] RU486+ (24-48) constant exposure vs unexposed	4	1.34E-04	t-test
5H	MB switch RU486+ (0-24) exposed vs unexposed	4	5.57E-06	t-test
5H	MB switch RU486+ (24-48) exposed vs unexposed	4	3.63E-04	t-test
5I	MB switch RU486- (0-24) exposed vs unexposed	4	9.91E-04	t-test
5I	MB switch RU486- (24-48) exposed vs unexposed	4	1.27E-03	t-test
6C	Single CS (0-24) exposed vs unexposed	10	6.31E-08	t-test
6C	Single CS (24-48) exposed vs unexposed	10	5.83E-07	t-test
6D	Five CS (0-24) exposed vs unexposed	10	7.85E-07	t-test
6D	Five CS (24-48) exposed vs unexposed	10	1.67E-06	t-test
6E	Canton-S (0-24) constant exposure vs unexposed	10	7.04E-13	t-test
6E	Canton-S (24-48) constant exposure vs unexposed	10	1.80E-13	t-test