Table S20: Levels of sex specific mRNAs are misregulated upon ecdysone deficit

Genotype, conditions			C_T *DsxM* ± StDev	C_T *Rpl32* ± StDev	ΔC_T (ΔC_T *DsxM*- ΔC_T *Rpl32*) [a]	$\Delta\Delta C_T$ (ΔC_T-ΔC_T $_{control}$) [b]	Fold Difference [c]
Females	**Control**: *OrR*	18°C	26.20±0.07	15.40±0.20	10.80±0.21	0.00±0.21	1.00 (0.866-1.155)
	OrR	29°C	26.34±0.01	13.95±0.03	12.39±0.03	1.58±0.03	0.334 (0.326-0.341) $p=3.73x10^{-3}$**
	Control: *ecd1^{ts}*	18°C	26.41±0.07	13.69±0.07	12.72±0.10	0.00±0.10	1.00 (0.935-1.070)
	ecd1^{ts}	29°C	25.88±0.12	14.36±0.07	11.52±0.14	-1.20±0.14	2.299 (2.081-2.539) $2.59x10^{-4}$***
Males	**Control**: OrR	18°C	17.84±0.04	15.67±0.15	2.17±0.16	0.00±0.16	1.00 (0.896-1.116)
	OrR	29°C	18.17±0.06	15.45±0.29	2.72±0.30	0.55±0.30	0.681 (0.553-0.838) p=0.06
	Control: *ecd1^{ts}*	18°C	18.40±0.02	15.77±0.20	2.63±0.20	0.00±0.20	1.00 (0.868-1.152)
	ecd1^{ts}	29°C	18.04±0.05	14.60±0.14	3.45±0.25	0.81±0.15	0.569 (0.511-0.633) $p=7.97x10^{-3}$*

Genotype, conditions			C_T *Esg* ± StDev	C_T *Rpl32* ± StDev	ΔC_T (ΔC_T *Esg*- ΔC_T *Rpl32*) [a]	$\Delta\Delta C_T$ (ΔC_T-ΔC_T $_{control}$) [b]	Fold Difference [c]
Females	**Control**: *OrR*	18°C	29.30±0.09	15.40±0.20	13.90±0.22	0.00±0.22	1.00 (0.862-1.161)
	OrR	29°C	27.90±0.08	13.95±0.03	13.94±0.09	0.04±0.09	0.970 (0.912-1.032) p=0.81
	Control: *ecd1^{ts}*	18°C	24.39±0.28	13.69±0.07	10.70±0.28	0.00±0.28	1.00 (0.821-1.218)
	ecd1^{ts}	29°C	24.69±0.22	14.36±0.07	10.33±0.24	-0,37±0.24	1.293 (1.097-1.523) p=0.07
Males	**Control**: OrR	18°C	26.86±0.05	15.67±0.15	11.19±0.16	0.00±0.16	1.00 (0.894-1.119)
	OrR	29°C	27.48±0.003	15.45±0.29	12.03±0.29	0.84±0.29	0.559 (0.456-0.685) p=0.55
	Control: *ecd1^{ts}*	18°C	25.89±0.02	15.77±0.20	10.12±0.20	0.00±0.20	1.00 (0.868-1.152)
	ecd1^{ts}	29°C	25.34±0.13	14.60±0.14	10.75±0.20	0.63±0.20	0.648 (0.566-0.742) $p=8.77x10^{-3}$*

Genotype, conditions			C_T *SxlFl1* ± StDev	C_T *Rpl32* ± StDev	ΔC_T (ΔC_T *SxlFl1*- ΔC_T *Rpl32*) [a]	$\Delta\Delta C_T$ (ΔC_T-ΔC_T $_{control}$) [b]	Fold Difference [c]
Females	**Control**: *OrR*	18°C	17.81±0.08	15.40±0.20	2.41±0.21	0.00±0.21	1.00 (0.864-1.158)
	OrR	29°C	15.96±0.16	13.95±0.03	2.00±0.16	-0.41±0.16	1.330 (1.189-1.487) $p=5.00x10^{-2}$*
	Control: *ecd1^{ts}*	18°C	16.02±0.04	13.69±0.07	2.33±0.08	0.00±0.08	1.00 (0.947-1.056)
	ecd1^{ts}	29°C	16.18±0.16	14.36±0.07	1.82±0.17	-0.51±0.17	1.424 (1.262-1.607) $p=1.64x10^{-3}$**
Males	**Control**: OrR	18°C	21.05±0.12	15.67±0.15	5.38±0.20	0.00±	1.00 (0.873-1.146)
	OrR	29°C	21.44±0.07	15.45±0.29	5.99±0.30	0.61±	0.653 (0.530-0.805) p=0.15
	Control: *ecd1^{ts}*	18°C	22.24±0.12	15.77±0.20	6.47±0.24	0.00±	1.00 (0.848-1.179)
	ecd1^{ts}	29°C	19.38±0.07	14.60±0.14	4.78±0.16	-1.69±	3.222 (2.883-3.600) $p=9.13x10^{-3}$**

Genotype, conditions			C_T *tra1* ± StDev	C_T *Rpl32* ± StDev	ΔC_T (ΔC_T *tra1*- ΔC_T *Rpl32*) [a]	$\Delta\Delta C_T$ (ΔC_T-ΔC_T $_{control}$) [b]	Fold Difference [c]
Females	**Control**: *OrR*	18°C	21.04±0.05	15.40±0.20	5.64±0.20	0.00±0.20	1.00 (0.868-1.152)
	OrR	29°C	19.87±0.11	13.95±0.03	5.92±0.11	0.28±0.11	0.826 (0.765-0.891) p=0.14
	Control: *ecd1^{ts}*	18°C	20.01±0.08	13.69±0.07	6.32±0.11	0.00±0.11	1.00 (0.927-1.079)
	ecd1^{ts}	29°C	20.69±0.11	14.36±0.07	6.33±0.13	0.008±0.13	0.994 (0.909-1.088) p=0.93
Males	**Control**: OrR	18°C	28.84±0.09	15.67±0.15	13.18±0.18	0.00±0.18	1.00 (0.885-1.129)
	OrR	29°C	28.67±0.05	15.45±0.29	13.22±0.30	0.05±0.30	0.969 (0.789-1.190) p=0.73
	Control: *ecd1^{ts}*	18°C	28.69±0.12	15.77±0.20	12.92±0.23	0.00±0.23	1.00 (0.850-1.176)
	ecd1^{ts}	29°C	23.68±0.06	14.60±0.14	9.08±0.16	-3.84±0.16	14.277 (12.801-15.924) $p=1.76x10^{-5}$***

Genotype, conditions			C_T *Yp1* ± StDev	C_T *Rpl32* ± StDev	ΔC_T (ΔC_T *Yp1*- ΔC_T *Rpl32*) [a]	$\Delta\Delta C_T$ (ΔC_T-ΔC_T control) [b]	Fold Difference [c]
Females	**Control**: *OrR*	18°C	12.33±0.14	15.40±0.20	-3.07±0.24	0.00±0.24	1.00 (0.846-1.182)
	OrR	29°C	11.21±0.23	13.95±0.03	-2.74±0.23	0.33±0.23	0.794 (0.678-0.930) p=0.12
	Control: *ecd1^{ts}*	18°C	10.86±0.31	13.69±0.07	-2.82±0.32	0.00±0.32	1.00 (0.800-1.249)
	ecd1^{ts}	29°C	11.24±0.20	14.36±0.07	-3.12±0.21	-0.30±0.21	1.231 (1.061-1.428) p=0.15
Males	**Control**: OrR	18°C	26.15±0.11	15.67±0.15	10.48±0.19	0.00±0.19	1.00 (0.876-1.142)
	OrR	29°C	25.57±0.03	15.45±0.29	10.12±0.29	-0.36±0.29	1.285 (1.048-1.576) p=0.14
	Control: *ecd1^{ts}*	18°C	24.63±0.08	15.77±0.20	8.86±0.22	0.00±0.22	1.00 (0.86-1.163)
	ecd1^{ts}	29°C	16.76±0.06	14.60±0.14	2.16±0.16	-6.702±0.16	104.080 (93.395-115.987) p=3.22x10^{-6}***

a: ΔC_T was determined by subtracting the average *RpL32* C_T value from the average Experimental C_T value. Since the same set of samples was used for all PCRs, the same *RpL32* C_T values are used as internal control. The standard deviation of the difference is calculated from the standard deviation of the Experimental and *RpL32* values using the formula $s = \sqrt{(s_1^2 + s_2^2)}$ where s = standard deviation.
b: $\Delta\Delta C_T$ is calculated by subtracting the ΔC_T control value (ΔC_T of the sample of the respective sex and genotype at 18°C). The standard deviation is the same as for ΔC_T.
c: the fold difference between the Experimental Sample and the control is calculated by: $2^{-\Delta\Delta CT}$ with $\Delta\Delta C_T$ +s and $\Delta\Delta C_T$ –s where s is the standard deviation of $\Delta\Delta C_T$ value. The fold difference of the experimental values was compared to the respective control. P-value was calculated using the two tailed Students t-test. *p<0.05, **p<0.005. ***p<0.0005.