**Table S19: let-7 expression depends on ecdysone signaling in adult ovaries and testes**

| | Genotype, conditions | $C_T$ *let-7* ± StDev[a] | $C_T$ *RpL32* ± StDev | $\Delta C_T$ ($\Delta C_T$ *let-7* - $\Delta C_T$ *RpL32*)[a] | $\Delta\Delta C_T$ ($\Delta C_T$-$\Delta C_T^{control}$)[b] | Fold Difference[c] | Relative change of *let-7* levels[d] |
|---|---|---|---|---|---|---|---|
| Females | *OregonR*, 4d at 18°C | 25.88±0.16 | 14.13±0.21 | 11.74±0.06 | 0.00±0.06 | 1.00 (0.96-1.04) | 1.00 (0.88-1.13) |
| | *OregonR*, 4d at 29°C | 25.00±0.04 | 14.39±0.17 | 10.58±0.18 | -1.16±0.18 | 2.24 (1.98-2.54) p=2.01x10$^{-5}$*** | |
| | *ecd1*$^{ts\ 4210}$, 4d at 18°C | 24.07±0.04 | 13.42±0.28 | 10.65±0.05 | 0.00±0.05 | 1.00 (0-97-1.03) | 0.38 (0.37.0.38) p=2.44x10$^{-4}$*** |
| | *ecd1*$^{ts\ 4210}$, 4d at 29°C | 24.80±0.15 | 13.96±0.45 | 10.92±0.001 | 0.27±0.001 | 0.84 (0.84-0.84) p=0.14 | |
| | **Genotype, conditions** | **$C_T$ *let-7* ± StDev** | **$C_T$ *S2rRNA* ± StDev** | **$\Delta C_T$ ($\Delta C_T$ *let-7* - $\Delta C_T$ *S2rRNA*)[a]** | **$\Delta\Delta C_T$ ($\Delta C_T$-$\Delta C_T^{control}$)[b]** | **Fold Difference[c]** | **Relative change of *let-7* levels[d]** |
| Males | *OregonR*, 4d at 18°C | 22.90±0.03 | 8.41±0.11 | 14.49±0.13 | 0.00±0.13 | 1.00 (0.91-1.09) | 1.00 (0.92-1.08) |
| | *OregonR*, 4d at 29°C | 22.55±0.03 | 8.35±0.12 | 14.20±0.12 | -0.29±0.12 | 1.23 (1.14-1.33) p=0.02* | |
| | *ecd1*$^{ts\ 4210}$, 4d at 18°C | 22.13±0.55 | 8.33±0.09 | 13.80±0.15 | 0.00±0.15 | 1.00 (0.90-1.11) | 0.24 (0.23-0.25) p=1.77x10$^{-4}$*** |
| | *ecd1*$^{ts\ 4210}$, 4d at 29°C | 23.49±0.02 | 7.87±0.11 | 15.64±0.08 | 1.85±0.08 | 0.29 (0.28-0.31) p=3.59x10$^{-4}$*** | |

a: $\Delta C_T$ values were determined by subtracting the average *RpL32* or *2SrRNA* $C_T$ value from the average Experimental $C_T$ value. The standard deviation of the difference is calculated from the standard deviation of the Experimental and *RpL32* or *2SrRNA* 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 $\Delta C_T$ control value ($\Delta C_T$ of the respective genotype at 18°C). The standard deviation is the same as for $\Delta C_T$
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 between $\Delta C_T$ values of the experiments was calculated using the two tailed Students t-test
d: The relative changes of *let-7* levels were calculated by dividing the fold difference ranges of *ecd1*$^{ts}$ and *OrR*. Students T-test was used to compare the relative changes *p<0.05, **p<0.005