

Table S18: Levels of sex specific mRNAs in $\Delta let-7$ females and males

Genotype		C_T <i>SxIF</i> \pm StDev	C_T <i>RpL32</i> \pm StDev	ΔC_T (ΔC_T <i>SxIF</i> - ΔC_T <i>RpL32</i>) ^a	$\Delta\Delta C_T$ (ΔC_T - ΔC_T control) ^b	Fold Difference ^c
Females	Control: <i>let-7-C</i> Rescue	16.15 \pm 0.22	11.32 \pm 0.12	4.83 \pm 0.25	0.00 \pm 0.25	1.00 (0.840-1.190)
	$\Delta let-7$	15.95 \pm 0.03	11.16 \pm 0.09	4.78 \pm 0.25	-0.05 \pm 0.09	1.033 (0.969-1.102) p=0.70
Males	Control: <i>let-7-C</i> Rescue	21.48 \pm 0.12	12.28 \pm 0.16	9.21 \pm 0.20	0.00 \pm 0.20	1.00 (0.872-1.147)
	$\Delta let-7$	18.89 \pm 0.09	12.20 \pm 0.22	6.69 \pm 0.23	-2.51 \pm 0.23	5.704 (4.853-6.705) 1.73x10 ⁻⁴ ***
Genotype		C_T <i>tra1</i> \pm StDev	C_T <i>RpL32</i> \pm StDev	ΔC_T (ΔC_T <i>tra1</i> - ΔC_T <i>RpL32</i>) ^a	$\Delta\Delta C_T$ (ΔC_T - ΔC_T control) ^b	Fold Difference ^c
Females	Control: <i>let-7-C</i> Rescue	21.30 \pm 0.13	11.32 \pm 0.12	9.98 \pm 0.17	0.00 \pm 0.17	1.00 (0.886-1.129)
	$\Delta let-7$	20.72 \pm 0.14	11.16 \pm 0.09	9.56 \pm 0.16	-0.42 \pm 0.16	1.334 (1.190-1.495) p=0.06
Males	Control: <i>let-7-C</i> Rescue	29.84 \pm 0.03	12.28 \pm 0.16	17.57 \pm 0.16	0.00 \pm 0.16	1.00 (0.896-1.116)
	$\Delta let-7$	29.66 \pm 0.09	12.20 \pm 0.22	17.46 \pm 0.23	-0.11 \pm 0.23	1.079 (0.917-1.270) p=0.40
Genotype		C_T <i>DsxM</i> \pm StDev	C_T <i>RpL32</i> \pm StDev	ΔC_T (ΔC_T <i>DsxM</i> - ΔC_T <i>RpL32</i>) ^a	$\Delta\Delta C_T$ (ΔC_T - ΔC_T control) ^b	Fold Difference ^c
Females	Control: <i>let-7-C</i> Rescue	25.23 \pm 0.09	11.32 \pm 0.12	13.90 \pm 0.15	0.00 \pm 0.15	1.00 (0.900-1.111)
	$\Delta let-7$	25.69 \pm 0.05	11.16 \pm 0.09	14.52 \pm 0.10	0.62 \pm 0.10	0.649 (0.605-0.697) p=1.83x10 ⁻³ **
Males	Control: <i>let-7-C</i> Rescue	17.89 \pm 0.33	12.28 \pm 0.16	5.61 \pm 0.37	0.00 \pm 0.37	1.00 (0.950-1.052)
	$\Delta let-7$	17.94 \pm 0.03	12.20 \pm 0.22	5.74 \pm 0.22	0.30 \pm 0.17	0.914 (0.786-1.062) 0.75

Genotype		C_T <i>Yp1</i> ± StDev	C_T <i>RpL32</i> ± StDev	ΔC_T (ΔC_T <i>Yp1</i> - ΔC_T <i>RpL32</i>) ^a	$\Delta\Delta C_T$ (ΔC_T - ΔC_T control) ^b	Fold Difference ^c
Females	Control: <i>let-7-C</i> Rescue	10.33±0.07	11.32±0.12	-1.00±0.14	0.00±0.14	1.00 (0.908-1.101)
	Δ <i>let-7</i>	12.93±0.10	11.16±0.09	1.77±0.13	2.76±0.13	0.147 (0.134-0.162) p=3.29x10 ^{-6***}
Males	Control: <i>let-7-C</i> Rescue	25.99±0.05	12.28±0.16	13.71±0.16	0.00±0.16	1.00 (0.894-1.119)
	Δ <i>let-7</i>	25.01±0.13	12.20±0.22	12.81±0.25	-0.90±0.25	1.867 (1.568-2.223) p=9.85x10 ^{-4**}

a: ΔC_T was determined by subtracting the average *RpL32* 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* 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. The standard deviation is the same as for ΔC_T

c: the fold difference between the Experimental Sample and the control is calculated by: $2^{-\Delta\Delta C_T}$ 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