

Short and long-term consequences of heat exposure on mitochondrial metabolism in zebra finches (*Taeniopygia guttata*)

Supplemental Material – Appendix 1

Contents

1. Introduction.....	2
2. Early life periodic heat experiment - Adulthood mitochondrial metabolism correlations.....	2
2.1. Baseline stage.....	2
2.2. Leak stage	3
2.3. OxPhos stage.....	4
2.4. ETS stage	5

1. Introduction

In this appendix, we show Pearson's correlations between the early life periodic heat experiments and adulthood mitochondrial metabolism among the individuals for which we had both measurements (i.e. 11 out of 65 that were measured in the adulthood), in order to scope for possible relationships. Each correlation is represented by a scatter plot at 25 and 40°C, showing correlation coefficient (R), correlation p value, linear regression fit, and 95% confidence interval.

2. Early life periodic heat experiment - Adulthood mitochondrial metabolism correlations

2.1. Baseline stage

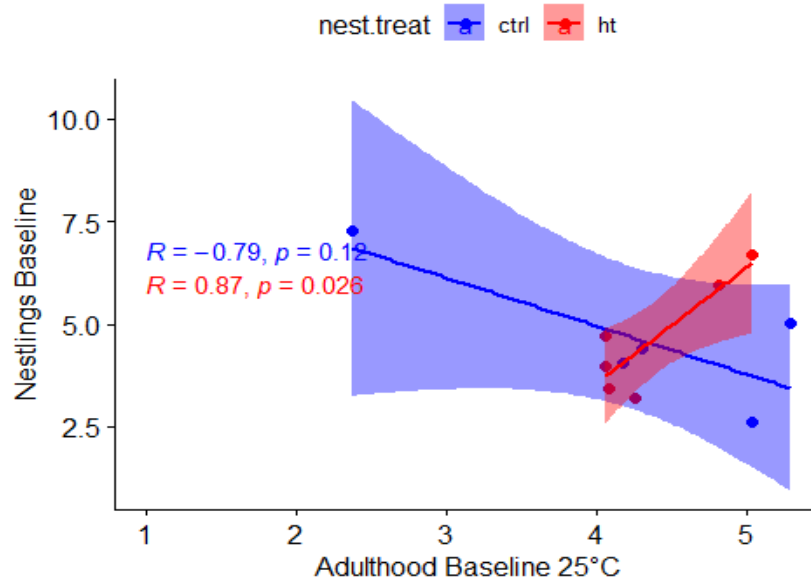


Figure 1. Early life periodic heat experiment and adulthood measurement correlation scatter plot with linear regression fit and a 95% confidence interval for Baseline at 25°C.

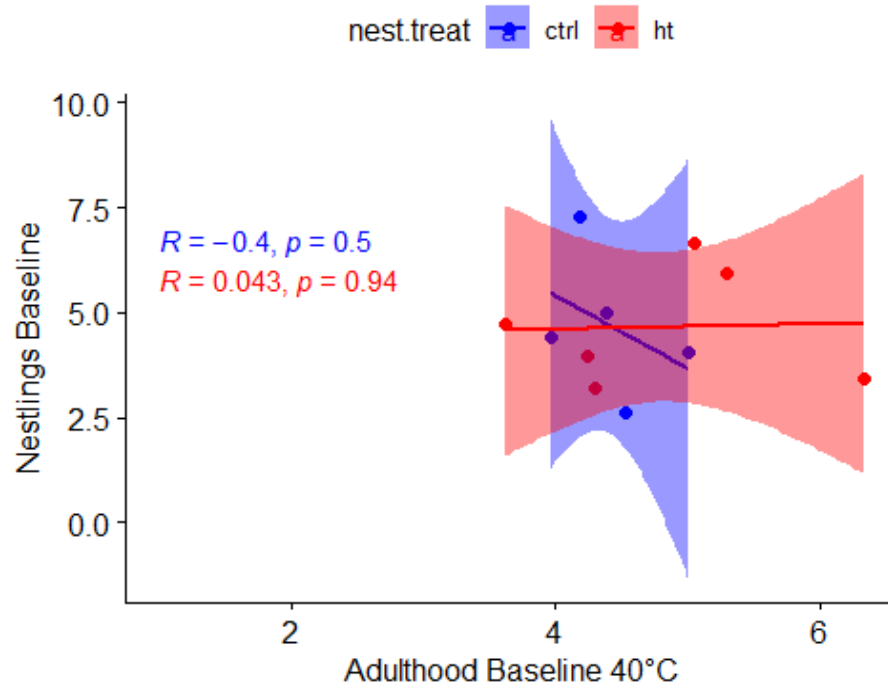


Figure 2. Early life periodic heat experiment and adulthood measurement correlation scatter plot with linear regression fit and a 95% confidence interval for Baseline at 40°C.

2.2. Leak stage

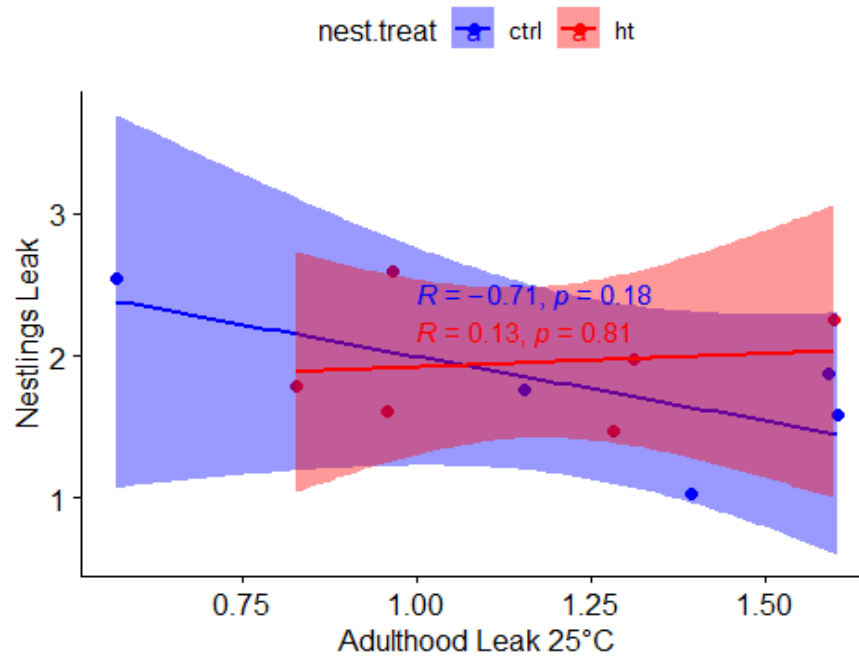


Figure 3. Early life periodic heat experiment and adulthood measurement correlation scatter plot with linear regression fit and a 95% confidence interval for Leak at 25°C.

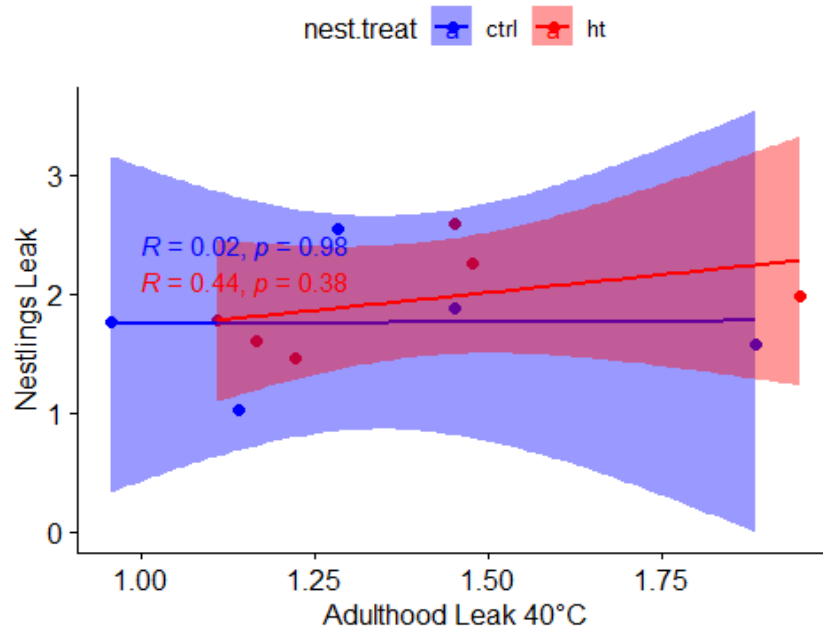


Figure 4. Early life periodic heat experiment and adulthood measurement correlation scatter plot with linear regression fit and a 95% confidence interval for Leak at 40°C.

2.3. OxPhos stage

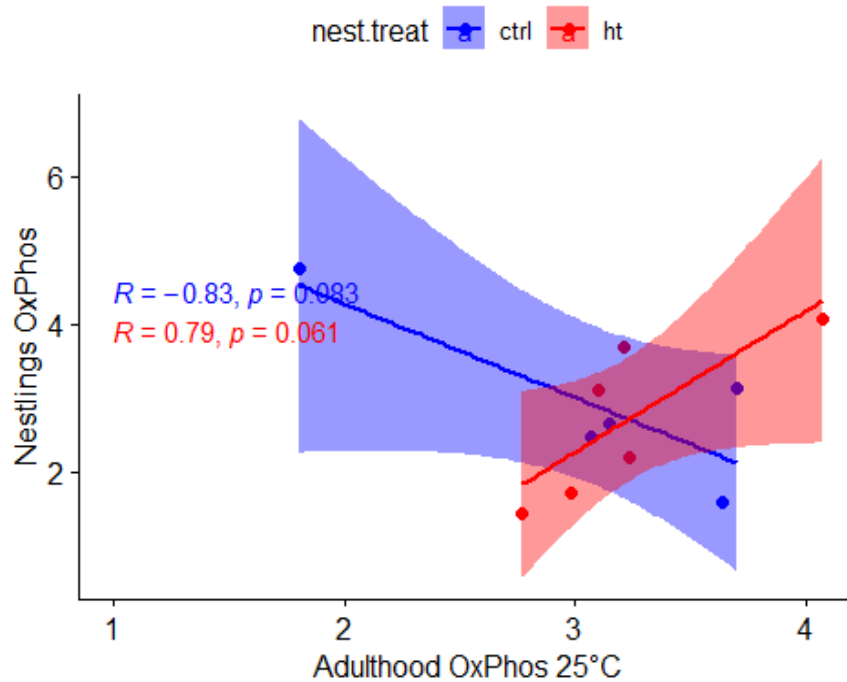


Figure 5. Early life periodic heat experiment and adulthood measurement correlation scatter plot with linear regression fit and a 95% confidence interval for OxPhos at 25°C.

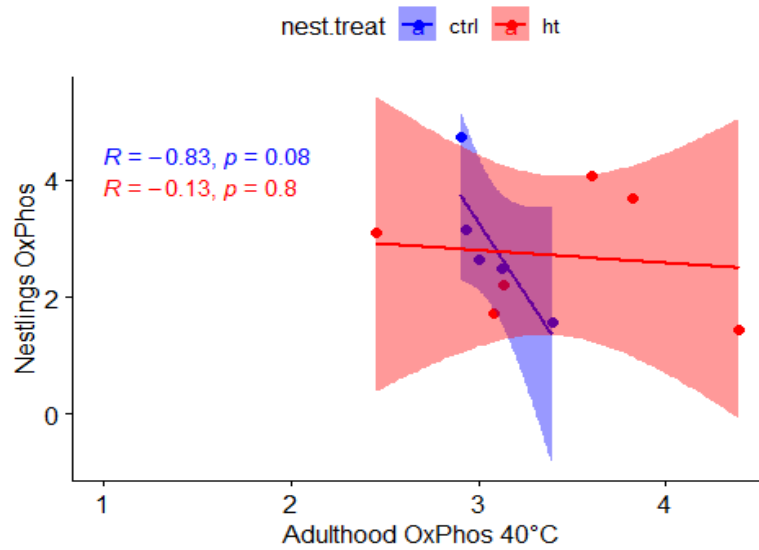


Figure 6. Early life periodic heat experiment and adulthood measurement correlation scatter plot with linear regression fit and a 95% confidence interval for OxPhos at 40°C.

2.4. ETS stage

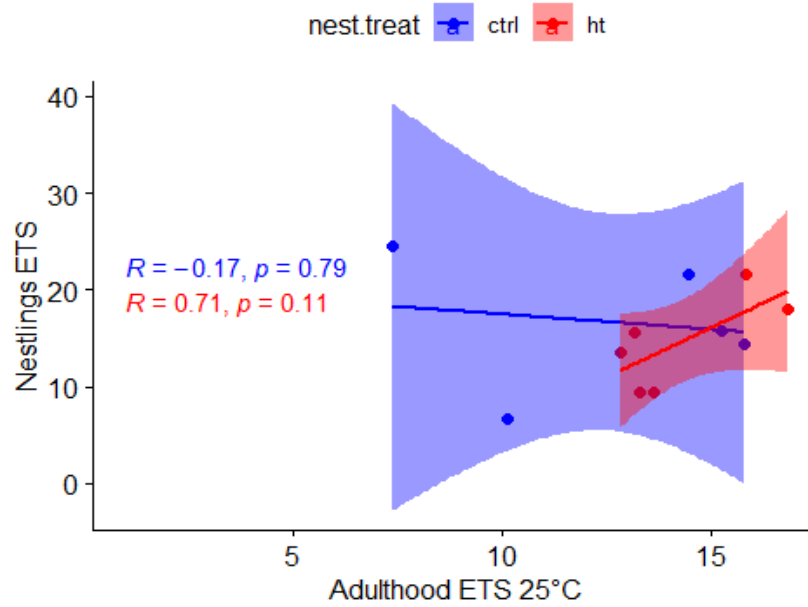


Figure 7. Early life periodic heat experiment and adulthood measurement correlation scatter plot with linear regression fit and a 95% confidence interval for ETS at 25°C.

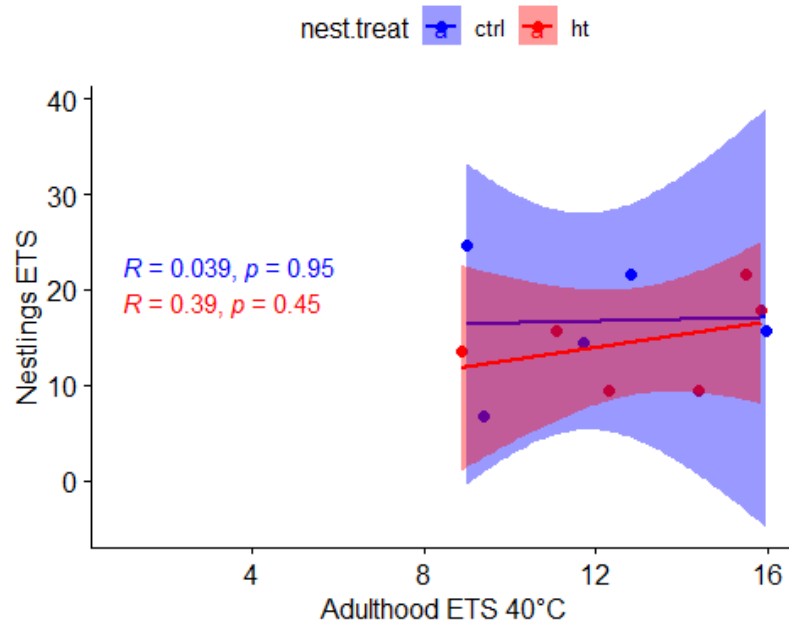


Figure 8. Early life periodic heat experiment and adulthood measurement correlation scatter plot with linear regression fit and a 95% confidence interval for ETS at 40°C.