Melanopsin, a Canonical Light Receptor, Mediates Thermal Activation of Clock Genes

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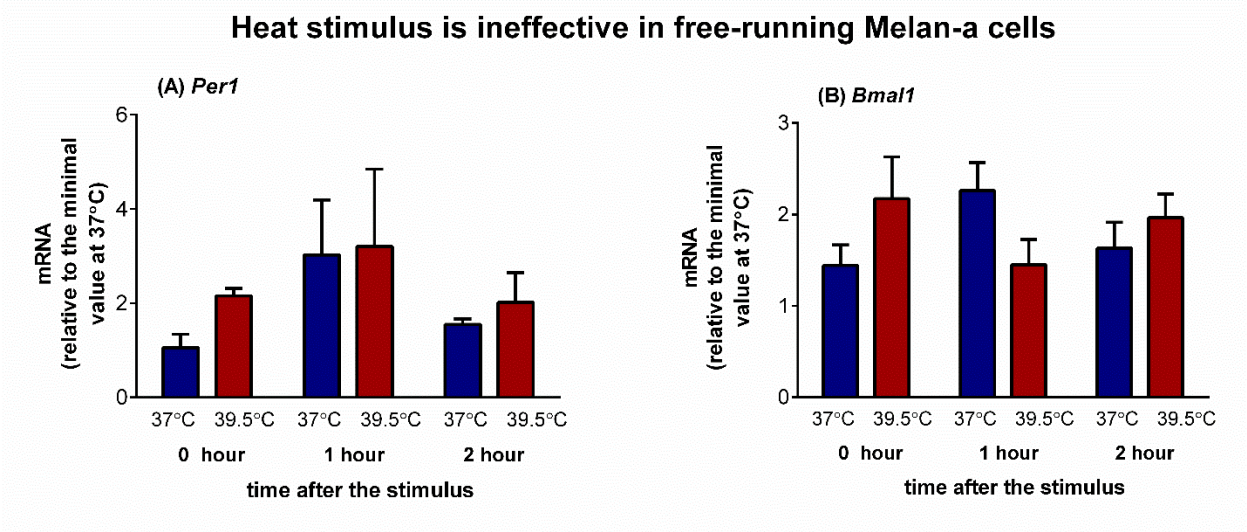

Supplementary Figure 1. Expression of *Per1* (A) and *Bmal1* (B) in non-synchronized murine Melan-a melanocytes after heat stimulus (39.5°C). Melan-a cells were seeded at the density of 10^6 in 25 cm^2 flasks, and kept for 3 days in constant dark and temperature (37°C). In the beginning of the 4th day, Melan-a cells were heat stimulated (39.5°C) during one h. Total RNA was extracted immediately, 1 and 2 h after the end of the stimulus. Values are shown as mean ± SEM of each gene transcript normalized by 18S ribosomal RNA and expressed relative to the minimal value at 37°C (N=3-6). Statistical analysis was performed by Two-way ANOVA followed by Bonferroni post-test.