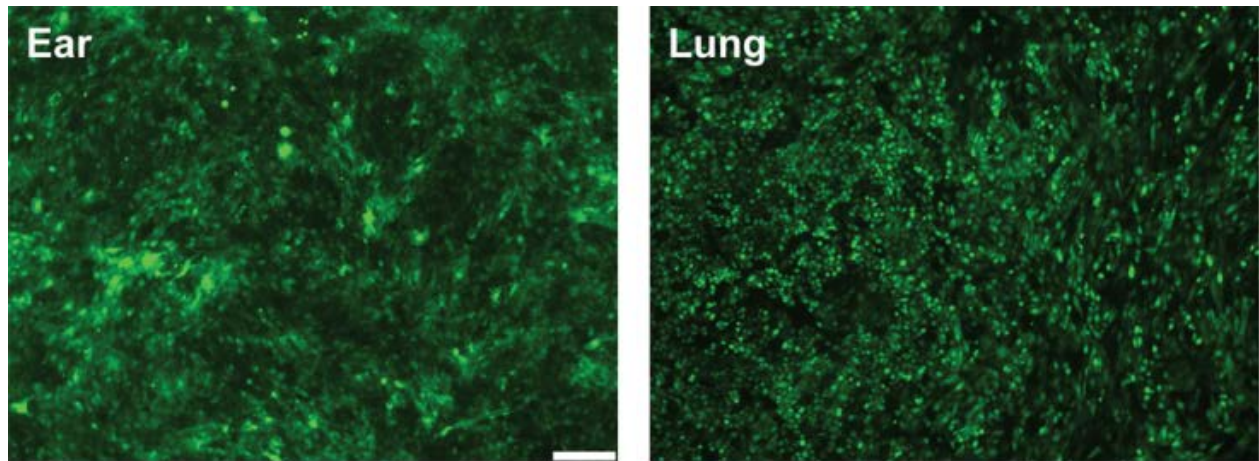


Supplementary Online Material

"Tissue-specific interaction of *Per1/2* and *Dec2* in the regulation of fibroblast circadian rhythms"

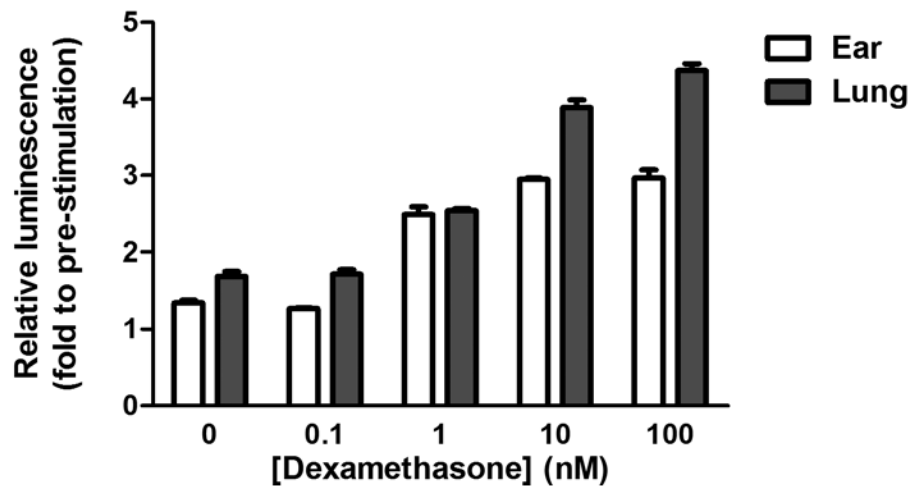
Anthony H. Tsang, Carmen Sánchez-Moreno, Brid Bode, Moritz J. Rossner, Marta Garaulet, and Henrik Oster

Suppl. Figure 1:



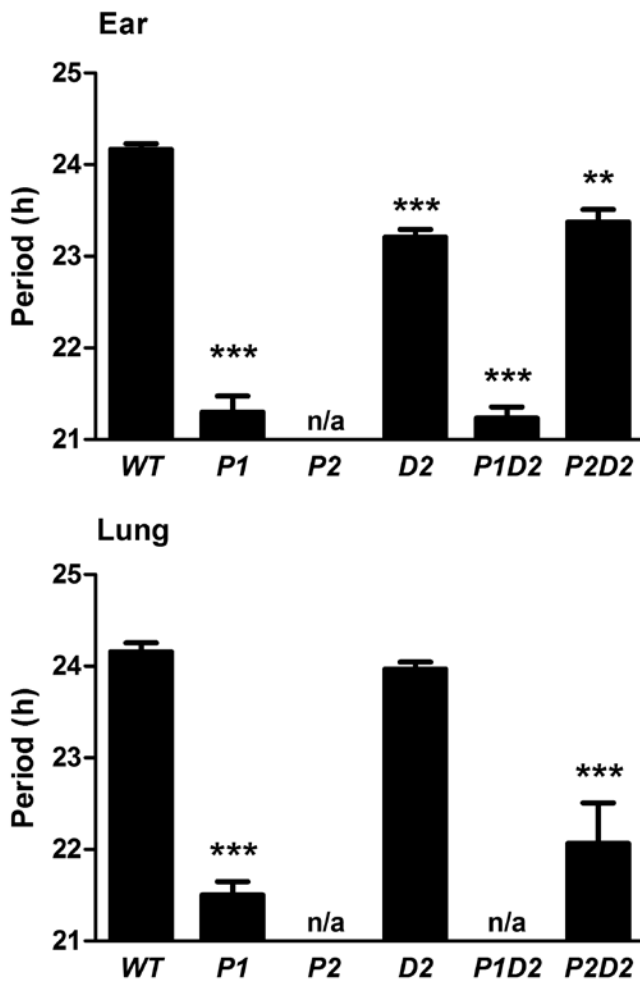
Suppl. Figure 1: Representative micrographs of ear- and lung-derived fibroblast preparations transduced with GFP-containing lentiviral particles. In any tested preparation more than 95 % of cells were positive for GFP. Scale bar – 250 μm .

Suppl. Figure 2:



Suppl. Figure 2: Response of ear- and lung-derived PER2::LUC fibroblasts to dexamethasone synchronization. Cells were treated with the depicted concentrations of dexamethasone and induction of PER2::LUC activity over the following 24 hours was determined relative to baseline levels. Data are presented as means \pm SEM (n = 4).

Suppl. Figure 3:



Suppl. Figure 3: Period length in *Per/Dec2* single and double mutant fibroblasts. Period length as determined by sine wave fitting on baseline-subtracted recordings from ear- (left) and lung-derived cells (right). All data are presented as means \pm SEM (n = 6-7); ** - p < 0.01, *** - p < 0.001, One-way ANOVA with Bonferroni post-test vs. WT; n/a - no rhythm detectable.