



Supplementary Figure S1. Effects of a low temperature pulse on the phase of *Sarcophaga crassipalpis* eclosion rhythms. Distributions of adult eclosion are shown at 6-min intervals. A 4-h low-temperature pulse of 22°C (A₁, A₂) or a 1-h low-temperature pulse of 4°C (B₁, B₂) was applied at different times before eclosion. A series of experiments were performed twice for each experiment. Pupae were transferred from TC 12:12 to a constant temperature of 28°C at ZT 0 on day 16. Pupae were under constant conditions (a), provided with a temperature pulse as indicated in the actogram (b–g), or reared under temperature cycles (h). Triangle, the median for each eclosion group; Black bar, 4°C; Gray bar, 22°C; White bar, 28°C. A free-running period was 24.4 h in A₁ and A₂, 23.4 h in B₁ and 24.1 h in B₂. A₁, $n = 69\text{--}84$; A₂, $n = 74\text{--}84$; B₁, $n = 64\text{--}77$; B₂, $n = 73\text{--}82$.