

Supplementary files

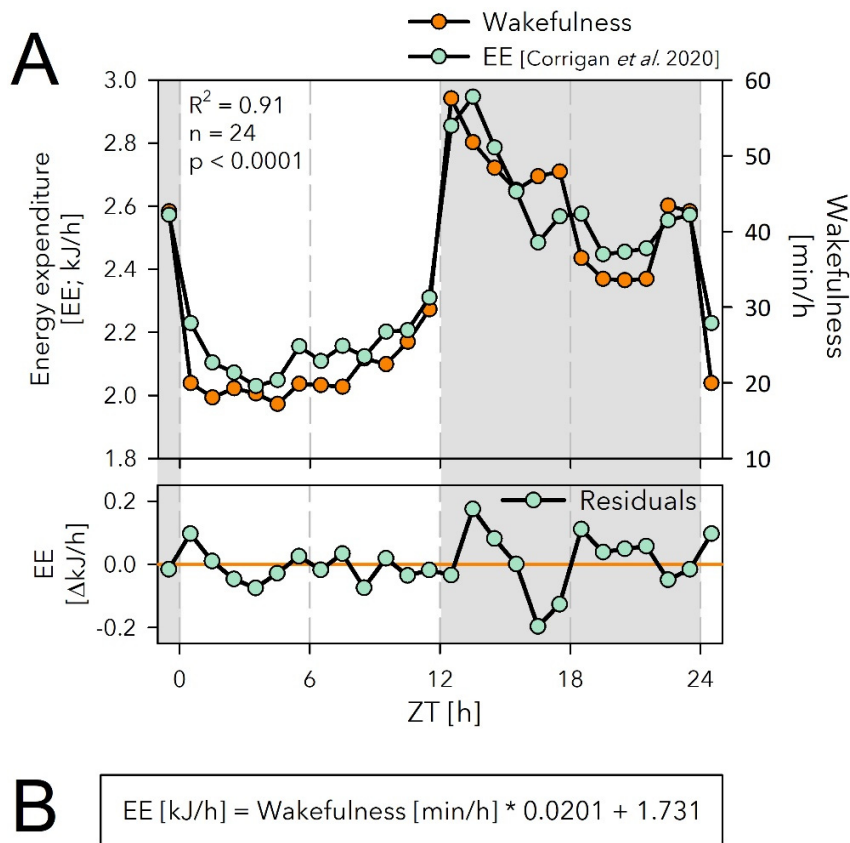


Figure S1: Relationship between energy expenditure (EE) and time-spent-awake under baseline conditions. (A) The time course of hourly values of EE (mint symbols; mean over 3 days; $n=8$, body weight: 28.4g, C57BL/6J males; data taken from Corrigan *et al.* 2020) closely follows that of time-spent-awake (orange symbols, same as in Fig. 3A). The two variables strongly correlated (linear regression) with only small residuals that did not systematically vary with time-of-day (lower graph). (B) Equation of the linear regression, which predicts that a mouse will spent 1.73 or 2.9kJ, if asleep or awake for 60min, respectively, in a given hour.

Gene		Sequence (5' --> 3')	Accession
<i>Eef1a1</i>	<i>Forward</i>	CCT GGC AAG CCC ATG TGT	NM_010106.2
	<i>Reverse</i>	TCA TGT CAC GAA CAG CAA AGC	
	<i>Probe</i>	TGA GAG CTT CTC TGA CTA CCC TCC ACT TGG T	
<i>Gapdh</i>	<i>Forward</i>	TCC ATG ACA ACT TTG GCA TTG	NM_001001303.1
	<i>Reverse</i>	CAG TCT TCT GGG TGG CAG TGA	
	<i>Probe</i>	AAG GGC TCA TGA CCA CAG TCC ATG C	
<i>Rps9</i>	<i>Forward</i>	GAC CAG GAG CTA AAG TTG ATT GGA	NM_029767.2
	<i>Reverse</i>	TCT TGG CCA GGG TAA ACT TGA	
	<i>Probe</i>	AAA CCT CAC GTT TGT TCC GGA GTC CAT ACT	
<i>Per1</i>	<i>Forward</i>	ACC AGC GTG TCA TGA TGA CAT AC	NM_011065.4
	<i>Reverse</i>	CTC TCC CGG TCT TGC CTT CAG	
	<i>Probe</i>	CCG TCC AGG GAT GCA GCC TCT	
<i>Per2</i>	<i>Forward</i>	ATG CTC GCC ATC CAC AAG A	NM_011066.3
	<i>Reverse</i>	GCG GAA TCG AAT GGG AGA AAT	
	<i>Probe</i>	ATC CTA CAG GCC GGT GGA CAG CC	
<i>Cry1</i>	<i>Forward</i>	GTT GGC CGG CTC TTC CA	NM_007771.3
	<i>Reverse</i>	CAA GAT CCT CAA GAC ACT GAA GCA	
	<i>Probe</i>	CGT GGG CAT CAA CAG GTG GCG	
<i>Dbp</i>	<i>Forward</i>	CGT GGA GGT GCT TAA TGA CCT TT	NM_016974.3
	<i>Reverse</i>	CAT GGC CTG GAA TGC TTG A	
	<i>Probe</i>	AAC CTG ATC CCG CTG ATC TCG CC	
<i>Homer1a</i>	<i>Forward</i>	GCA TTG CCA TTT CCA CAT AGG	NM_011982.2
	<i>Reverse</i>	ATG AAC TTC CAT ATT TAT CCA CCT TAC TT	
	<i>Probe</i>	ACA CAT TCA ATT CAG CAA TCA TGA	

Table S1: Primers and probes used for quantitative PCR