Supplementary Table 1. Statistical Values of Supplementary Figure 1.

Figure/Panel (Time bin)	Figure Title	Type of test	*F* value	*p* value	Significance
Figure S1. A	**Wake (ZT1-3)**	2-way ANOVA (genotype)	F(1,108) = 1.252	0.2901	ns
S1.B	**NREM (ZT1-3)**	2-way ANOVA (genotype)	F(1,108) = 10.2	0.0018	**
S1.C	**REM (ZT1-3)**	2-way ANOVA (genotype)	F(1,108) = 15.54	0.0001	***
S1.D	**Wake (ZT4-6)**	2-way ANOVA (genotype)	F(1,108) = 12.09	0.0007	
S1.E	**NREM (ZT4-6)**	2-way ANOVA (genotype)	F(1,108) = 29.14	<0.0001	****
	β	Šídák's multiple comparisons test		0.0342	*
	Low γ	Šídák's multiple comparisons test		0.0161	*
	High γ	Šídák's multiple comparisons test		0.0079	**
S1.F	**REM (ZT4-6)**	2-way ANOVA (genotype)	F(1,108) = 21.07	<0.0001	****
	Low γ	Šídák's multiple comparisons test		0.0432	*
S1.G	**Wake (ZT7-9)**	2-way ANOVA (genotype)	F(1,108) = 6.437	0.0126	*
S1.H	**NREM (ZT7-9)**	2-way ANOVA (genotype)	F(1,108) = 34.36	<0.0001	****
	β	Šídák's multiple comparisons test		0.0255	*
	Low γ	Šídák's multiple comparisons test		0.0124	*
	High γ	Šídák's multiple comparisons test		0.0041	**
S1.I	**REM (ZT7-9)**	2-way ANOVA (genotype)	F(1,108) = 25.45	0.0005	
		Šídák's multiple comparisons test		0.0134	*
		Šídák's multiple comparisons test		0.0489	*
S1.J	**Wake (ZT10-12)**	2-way ANOVA (genotype)	F(1,108) = 18.65	<0.0001	****
S1.K	**NREM (ZT10-12)**	2-way ANOVA (genotype)	F(1,108) = 34.36	<0.0001	****
	β	Šídák's multiple comparisons test		0.0259	*
	Low γ	Šídák's multiple comparisons test		0.0262	*
	High γ	Šídák's multiple comparisons test		0.0099	**
S1.L	**REM (ZT10-12)**	2-way ANOVA (genotype)	F(1,108) = 28.17	<0.0001	****
	β	Šídák's multiple comparisons test		0.0458	*

	Low γ	Šídák's multiple comparisons test		0.0148	*
	High γ	Šídák's multiple comparisons test		0.0485	*

n.s: not sigificant, *, $p < 0.05$; **, $p < 0.01$; ***, $p < 0.005$; ****, $p < 0.0001$.