

Supplementary Table 2. Circadian parameters for clock gene expression in mice hypothalamus.

Gene	Age (months)	Genotype	Period (h)	Phase (h)	Amplitude	p-value
<i>Clock</i>	6	wt	24.00	23.37	0.11	0.12
		APP/PS1	24.00	3.82	0.13	0.08
	12	wt	24.00	18.21	0.06	0.49
		APP/PS1	24.00	4.14	0.13	0.03
<i>Arntl</i>	6	wt	24.00	23.75	0.23	7e-3
		APP/PS1	24.00	2.93	0.38	5.13e-4
	12	wt	24.00	0.56	0.17	0.03
		APP/PS1	24.00	3.41	0.22	0.06
<i>Cry1</i>	6	wt	24.00	19.26	0.35	8.36e-4
		APP/PS1	24.00	20.20	0.10	0.26
	12	wt	24.00	10.27	0.01	0.93
		APP/PS1	24.00	21.16	0.17	0.19
<i>Cry2</i>	6	wt	24.00	22.01	0.21	0.04
		APP/PS1	24.00	2.01	0.14	0.15
	12	wt	24.00	1.20	0.08	0.51
		APP/PS1	24.00	6.47	0.44	1e-3
<i>Per1</i>	6	wt	24.00	21.87	0.26	0.06
		APP/PS1	24.00	3.33	0.07	0.44
	12	wt	24.00	2.18	0.16	0.24
		APP/PS1	24.00	5.41	0.51	0.06
<i>Per2</i>	6	wt	24.00	20.76	0.24	0.02
		APP/PS1	24.00	13.08	0.20	0.09
	12	wt	24.00	8.62	0.18	0.36
		APP/PS1	24.00	12.13	0.19	0.12
<i>Per3</i>	6	wt	24.00	18.77	0.34	2e-3
		APP/PS1	24.00	17.17	0.17	0.09
	12	wt	24.00	9.84	0.23	0.15
		APP/PS1	24.00	11.12	0.28	5e-3

wt: wild type; h: hour.