

Supplementary Table 4. Circadian parameters for clock gene expression in mice cerebral cortex.

Gene	Age (months)	Genotype	Period (h)	Phase (h)	Amplitude	p-value
<i>Clock</i>	6	wt	24.00	21.00	0.11	0.04
		APP/PS1	24.00	3.29	0.02	0.60
	12	wt	24.00	13.18	0.04	0.42
		APP/PS1	24.00	21.96	0.15	0.11
<i>Arntl</i>	6	wt	24.00	2.09	0.14	6e-3
		APP/PS1	24.00	4.65	0.14	0.03
	12	wt	24.00	4.93	0.12	0.27
		APP/PS1	24.00	21.78	0.36	7e-3
<i>Cry1</i>	6	wt	24.00	17.85	0.47	7.47e-4
		APP/PS1	24.00	19.25	0.19	0.12
	12	wt	24.00	13.85	0.24	0.16
		APP/PS1	24.00	20.90	0.71	3.04e-4
<i>Cry2</i>	6	wt	24.00	17.74	0.47	3.78e-4
		APP/PS1	24.00	17.67	0.17	0.04
	12	wt	24.00	13.80	0.20	0.18
		APP/PS1	24.00	20.68	0.58	3e-3
<i>Per1</i>	6	wt	24.00	17.99	0.46	3e-3
		APP/PS1	24.00	16.53	0.07	0.38
	12	wt	24.00	5.67	0.23	0.05
		APP/PS1	24.00	21.38	0.31	0.01
<i>Per2</i>	6	wt	24.00	17.98	0.54	1.98e-4
		APP/PS1	24.00	19.25	0.21	0.03
	12	wt	24.00	15.61	0.14	0.37
		APP/PS1	24.00	19.05	0.73	1e-3
<i>Per3</i>	6	wt	24.00	17.43	0.52	2.37e-5
		APP/PS1	24.00	18.12	0.20	0.09
	12	wt	24.00	15.10	0.44	0.03
		APP/PS1	24.00	20.20	0.69	7e-3

wt: wild type; h: hour.