

Supplemental Materials

Table S1 Average amount of NREM and NREM bout duration for Homer 1a wild-type, heterozygote and knockout mice measured in 2 hour time periods. Values are given for the average plus/minus standard deviation. Values significantly different from Homer1a knockout shown in bold and denoted by a= p<0.05 p>0.01; b= p<0.01 p>0.001; c= p<0.001 p>0.0001; d= p≤0.0001.

	Wild-type (n=7)		Homer 1a Het (n=7)		Homer 1a Knockout (n=8)	
Interval	NREM (min)	NREM Bout Duration (min)	NREM (min)	NREM Bout Duration (min)	NREM (min)	NREM Bout Duration (min)
7am-9am	76.84 ± 10.06	1.57 ± 0.22	74.46 ± 16.82	0.97 ± 0.25	81.49 ± 15.95	1.35 ± 0.76
9am-11am	75.07 ± 14.35	1.37 ± 0.16	67.7 ± 8.55	0.9 ± 0.26^a	79.22 ± 10.85	1.2 ± 0.38
11am-1pm	76.9 ± 10.72	1.38 ± 0.15	66.16 ± 9.8	0.9 ± 0.27^a	80.53 ± 14.66	1.18 ± 0.33
1pm-3pm	81.93 ± 8.90	1.36 ± 0.14	81.44 ± 16.17	0.98 ± 0.38	83.67 ± 11.02	1.24 ± 0.32
3pm-5pm	77.44 ± 7.04	1.41 ± 0.39	70.49 ± 5.67^a	0.93 ± 0.34	75.96 ± 10.04	1.28 ± 0.40
5pm-7pm	64.15 ± 8.60	1.16 ± 0.18	56.87 ± 11.87^b	0.87 ± 0.22	60.55 ± 16.22	1.15 ± 0.41
7pm-9pm	30.05 ± 16.3^b	0.94 ± 0.29	20.99 ± 21.8^c	0.55 ± 0.32	46.82 ± 7.64	1.03 ± 0.39
9pm-11pm	42.95 ± 16.29^c	1.11 ± 0.19	27.54 ± 25.97^d	0.64 ± 0.36	66.62 ± 7.78	1.22 ± 0.30
11pm-1am	41.64 ± 10.40^c	1.27 ± 0.31	36.6 ± 28.76^d	1.16 ± 0.75	61.76 ± 12.07	1.10 ± 0.30
1am-3am	47.85 ± 22.33^d	1.28 ± 0.46	58.09 ± 24.87^d	1.22 ± 0.57	70.21 ± 0.43	1.32 ± 0.37
3am-5am	53.57 ± 13.39^d	1.18 ± 0.3	55.86 ± 27.46^d	1.01 ± 0.29	70.74 ± 13.51	1.33 ± 0.50
5am-7am	43.35 ± 11.49^b	1.13 ± 0.21	39.02 ± 33.12^b	0.95 ± 0.57	69.78 ± 7.63	1.2 ± 0.27