

Table S2. The mean (\pm SE) of individual animals with and without wheels for the general activity and wheel running activity for light (L; 10 hours), twilight (T; 4 hours) and dark (D; 10 hours) and the % of activity that is exhibited during each temporal phase. The sex of the animals is indicated with m or f behind the ID. BW = body weight in g.

No wheel		General activity					
ID	BW	L	%L	T	%T	D	%D
NW1f	126.9	372.1 \pm 26.8	58%	193.7 \pm 19.2	30.2%	75.6 \pm 11.3	11.8%
NW2m	148.9	586.8 \pm 41.3	62.7%	187.4 \pm 23.1	20.0%	162.4 \pm 11.3	17.3%
NW3f	145.3	528.9 \pm 56.8	59.2%	258.6 \pm 34.4	28.9%	105.9 \pm 13.3	11.9%
NW4f	167.9	167.2 \pm 34.1	49.7%	66.8 \pm 12.4	19.8%	102.6 \pm 9.1	30.5%
NW5m	210.6	782 \pm 42.1	58.9%	255.1 \pm 13.1	19.2%	290 \pm 18.5	21.9%
NW6m	150.3	490.9 \pm 53.1	51.1%	121 \pm 14.6	12.6%	349.4 \pm 20.1	36.3%
NW7f	133.5	280.4 \pm 15	34.8%	142.1 \pm 24.3	17.7%	382.9 \pm 28	47.5%
NW8m	202.9	305.1 \pm 46.8	50.3%	129.6 \pm 13.9	21.4%	171.3 \pm 28.8	28.3%
NW9m	151.2	87.1 \pm 7.2	34.4%	42.6 \pm 3.2	16.8%	123.4 \pm 22.5	48.8%

Wheel		General activity						Wheel running activity					
ID	BW	L	%L	T	%T	D	%D	L	%L	T	%T	D	%D
W1f	117.2	168.35 \pm 13.8	31.3%	60.2 \pm 5.6	11.2%	309.3 \pm 17.1	57.5%	573.6 \pm 114.7	2.3%	34.7 \pm 19.5	0.2%	23884.6 \pm 857.3	97.5%
W2m	108.4	36.8 \pm 5.9	5.5%	291.1 \pm 24.9	43.4%	343.5 \pm 24.4	51.1%	242.6 \pm 105.1	11.5%	60 \pm 18.5	2.9%	1804.6 \pm 191.5	85.6%
W3f	107.9	135.4 \pm 34.5	36.8%	66 \pm 18.9	17.9%	166.5 \pm 54.6	45.3%	1063 \pm 205.7	11.7%	509.8 \pm 154.8	5.6%	7544.1 \pm 1490.5	82.7%
W4m	148.9	191.8 \pm 13.4	45.1%	54.9 \pm 5.1	12.9%	178.7 \pm 10.9	42.0%	250.8 \pm 68.3	2.9%	985.9 \pm 45.9 \pm 9	11.2%	7531 \pm 811.8	85.9%
W5m	100.1	356.2 \pm 41.8	55.4%	138.3 \pm 23	21.5%	148.8 \pm 11.3	23.1%	74.1 \pm 27.6	0.7%	242.4 \pm 73.4	2.3%	10081.1 \pm 900.8.3	97.0%
W6f	124.7	304.1 \pm 18.5	50.4%	58.6 \pm 8.2	9.7%	241.2 \pm 27.7	39.9%	346.2 \pm 87.3	4.2%	90.2 \pm 55.8	1.1%	7789.7 \pm 872.1	94.7%
W7f	110.5	256.6 \pm 15.4	54.2%	131.4 \pm 10.4	27.8%	85.1 \pm 8.5	18.0%	173.2 \pm 33.9	38.6%	73.1 \pm 10.4	16.3%	201.9 \pm 34.1	45.1%
W8f	135.1	122.1 \pm 8.8	31.9%	24.3 \pm 3.7	6.3%	236.9 \pm 14.9	61.8%	95.9 \pm 12.2	0.8%	191.4 \pm 114.2	1.6%	11894.9 \pm 1799.9	97.6%
W9m	131.6	162.4 \pm 9.4	36.0%	16.9 \pm 3.6	3.8%	271.7 \pm 12.1	60.2%	11.9 \pm 4.9	0.1%	0	0.0%	10443.6 \pm 847.7	99.9%
W10m	195.1	69 \pm 5.9	35.4%	48.7 \pm 4.9	24.9%	77.4 \pm 4.4	39.7%	7.4 \pm 5.2	0.1%	426.3 \pm 82.7	6.5%	6145.2 \pm 543.7	93.4%