

Table S5. Parameter values of circadian gene mutants. This table shows normalized parameter values of all mutants shown in Figure 5B. Data are mean $\pm$ standard deviation. n indicates the number of animals tested. Red, $p < 0.001$ between mutant and control using one-way ANOVA and Scheffe post hoc test.

	n	Body Length Contracted	Body Length Extended	Speed	Time Striding	Stride Count	Stride Duration	Stride Distance	Speed Striding	Contraction Rate	Extension Rate	Distance	Time Inside
<i>CS</i>	68	1 $\pm$ 0.05	1 $\pm$ 0.05	1 $\pm$ 0.25	1 $\pm$ 0.17	1 $\pm$ 0.27	1 $\pm$ 0.18	1 $\pm$ 0.11	1 $\pm$ 0.2	1 $\pm$ 0.17	1 $\pm$ 0.22	1 $\pm$ 0.23	1 $\pm$ 0.34
<i>Clk</i>	42	1.01 $\pm$ 0.09	1.01 $\pm$ 0.09	0.66 $\pm$ 0.26	0.68 $\pm$ 0.31	0.58 $\pm$ 0.36	1.26 $\pm$ 0.32	0.79 $\pm$ 0.14	0.67 $\pm$ 0.25	0.82 $\pm$ 0.17	0.74 $\pm$ 0.19	0.66 $\pm$ 0.27	1.13 $\pm$ 0.5
<i>Per</i>	11	0.91 $\pm$ 0.05	0.91 $\pm$ 0.06	0.82 $\pm$ 0.12	0.97 $\pm$ 0.12	0.97 $\pm$ 0.14	0.99 $\pm$ 0.1	0.89 $\pm$ 0.08	0.88 $\pm$ 0.14	1.08 $\pm$ 0.21	0.74 $\pm$ 0.16	0.86 $\pm$ 0.14	0.95 $\pm$ 0.37
<i>w</i>	83	1 $\pm$ 0.05	1 $\pm$ 0.06	1 $\pm$ 0.19	1 $\pm$ 0.29	1 $\pm$ 0.34	1 $\pm$ 0.15	1 $\pm$ 0.12	1 $\pm$ 0.18	1 $\pm$ 0.18	1 $\pm$ 0.15	1 $\pm$ 0.2	1 $\pm$ 0.24
<i>Pdf</i>	17	1.12 $\pm$ 0.08	1.1 $\pm$ 0.09	0.75 $\pm$ 0.32	1.06 $\pm$ 0.51	0.88 $\pm$ 0.57	1.29 $\pm$ 0.38	0.88 $\pm$ 0.21	0.74 $\pm$ 0.29	0.76 $\pm$ 0.19	1.02 $\pm$ 0.29	0.74 $\pm$ 0.34	1.15 $\pm$ 0.28
<i>timeout</i>	31	0.94 $\pm$ 0.19	0.94 $\pm$ 0.18	0.86 $\pm$ 0.24	1.11 $\pm$ 0.24	1.05 $\pm$ 0.32	1.11 $\pm$ 0.27	0.84 $\pm$ 0.12	0.8 $\pm$ 0.24	0.81 $\pm$ 0.19	1.12 $\pm$ 0.24	0.85 $\pm$ 0.26	0.86 $\pm$ 0.47
<i>tim</i>	23	1.05 $\pm$ 0.07	1.04 $\pm$ 0.07	1.04 $\pm$ 0.31	1.2 $\pm$ 0.35	1.21 $\pm$ 0.47	1.01 $\pm$ 0.25	1.01 $\pm$ 0.21	1.03 $\pm$ 0.27	0.82 $\pm$ 0.25	1.04 $\pm$ 0.27	1.04 $\pm$ 0.33	0.58 $\pm$ 0.26