

**Table S2** DigiGait indices of *Npc1*<sup>+/+</sup> (n<sub>female</sub> = 11; n<sub>male</sub> = 7), and *Npc1*<sup>+/-</sup> (n<sub>female</sub> = 15; n<sub>male</sub> = 15) mice, measured at 5, 7, and 9 weeks of age.

	Change in <i>Npc1</i> <sup>+/-</sup> (compared to <i>Npc1</i> <sup>+/+</sup> )	SE	95% CI	<i>p</i>
Step sequence alternation, % <sup>a</sup>	4	2.7	-1.4, 9.4	0.1
Forelimb stance width, cm <sup>b</sup>	0.003	0.05	-0.1, 0.1	1.0
Hindlimb stance width, cm <sup>b</sup>	-0.1	0.07	-0.2, 0.02	0.1
Swing duration, ms <sup>b</sup>	0.003	0.002	-0.001, 0.01	0.1
Braking duration, ms <sup>b</sup>	0.004	0.002	-0.0004, 0.001	0.08
Stance duration, ms <sup>b</sup>	0.005	0.003	-0.001, 0.01	0.1
Gait symmetry <sup>b</sup>	0.004	0.01	-0.01, 0.02	0.6

<sup>a</sup>Median regression, adjusted for age and gender.

<sup>b</sup>Random effects generalized least squares regression with animals as a random effect, adjusted for age and gender.