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Emerging roles of Fgf14 in behavioral control

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(Article begins on next page)

Stereotypic behaviors (sec)								
	Free rearing	Rearing wall	Rearing central structure	Digging	Grooming	Climbing	Stillness	Jumping
Wild type	11.4±2.4	55.6±3.8	68.0±7.2	38.7±6.7	28.4±4	87.4±22.4	20.6±5.7	0.13±0.09
<i>Fgf14</i>^{-/-}	21.1±6.6	70.4±4.7	116.7±14.4	13.0±2.2	33.1±5.5	24.2±8.8	22.2±4.2	0.21±0.16
p value	0.182	*0.022	**0.006	**0.001	0.499	*0.015	0.822	0.646
Number of episodes for each behavior								
wt	12.5±2.5	45.8±3.8	43.4±3.4	28.8±3.6	12.1±1.4	11.3±2.9	9.4±2.7	2±1.5
<i>Fgf14</i>^{-/-}	12.8±3.2	40.2±2.2	33.8±2.2	11.3±2.3	10.4±2.1	2.3±0.8	7.1±1.5	3.2±2.3
p value	0.951	0.212	*0.027	***0.0005	0.519	**0.006	0.452	0.675
Episode mean time of each behavior (sec)								
wt	0.9±0.2	1.24±0.05	1.5±0.06	1.3±0.1	2.6±0.4	1.5±0.8	2.2±0.4	0.02±0.01
<i>Fgf14</i>^{-/-}	1.5±0.2	1.76±0.09	3.4±0.04	1.3±0.2	3.8±0.7	0.2±0.16	3.6±0.3	0.02±0.01
p value	*0.025	***0.0001	***0.0001	0.814	0.198	0.122	*0.011	0.764

Table I. Analysis of 10 minutes of spontaneous behavior (n = 12 for wild type and *Fgf14*^{-/-} mice). For each behavior, total time, number of episodes and episode mean time are reported. * p < 0.05, ** p < 0.01, *** p < 0.001.