

Table 1. The results of behavioral analysis of mGluR2^{-/-} KO mice and their WT littermates

	+/+	-/-
Physical characteristics (WT = 21, KO = 19)		
Weight, g	25.2 (± 0.4)	25.5 (± 0.4)
Whiskers (percent with normal whiskers)	90	95
Fur (percent with normal fur)	100	100
Rectal temperature, °C	36.6 (± 0.1)	36.7 (± 0.1)
Sensory motor reflex (WT = 18, KO = 19)		
Eye blink (percent with normal response)	100	100
Ear twitch (percent with quick response)	100	100
Whisker twitch (percent with normal response)	100	100
Righting reflex (percent with normal response)	100	100
Acoustic startle response (arbitrary unit)		
Stimulus intensity = 110 dB	0.69 (± 0.11)	0.59 (± 0.06)
Stimulus intensity = 120 dB	0.91 (± 0.13)	0.93 (± 0.07)
Prepulse inhibition (WT = 18, KO = 19)		
Startle stimulus = 110 dB		
Prepulse intensity = 74 dB (%)	23.2 (± 5.3)	22.5 (± 6.5)
Prepulse intensity = 78 dB (%)	46.8 (± 7.3)	40.3 (± 6.5)
Startle stimulus = 120 dB		
Prepulse intensity = 74 dB (%)	22.6 (± 9.0)	29.6 (± 5.0)
Prepulse intensity = 78 dB (%)	37.3 (± 6.9)	41.7 (± 3.9)
Motor tests (WT = 21, KO = 19)		
Wire hang (latency to fall, sec)	54.9 (± 2.6)	56.2 (± 1.9)
Grip strength, N	0.67 (± 0.029)	0.66 (± 0.037)
Open field (WT = 19, KO = 17)		
Time spent in center, sec	160.4 (± 16.5)	162.2 (± 23.3)
Light/dark transition test (WT = 21, KO = 19)		
Time spent in light box, sec	204 (± 8.6)	204 (± 13.8)
Number of light/dark transition	23 (± 1.3)	25 (± 2.1)
Elevated plus maze (WT = 21, KO = 19)		
Time spent on open arm, sec	32.6 (± 6.8)	28.0 (± 4.9)
Total number of arm entry	28.9 (± 1.9)	31.7 (± 1.9)
Number of open arm entry	3.7 (± 0.6)	3.4 (± 0.6)
Social interaction (WT = 10 pairs, KO = 9 pairs)		
Total duration of contact, sec	56.1 (± 6.2)	56.0 (± 5.8)
Number of active contact	39.6 (± 3.1)	37.7 (± 2.4)

Data represent mean (± SEM).