

S2 Table. Social interaction test with *Jacob/Nsmf* ko and wt mice. Data are presented as mean \pm SEM, using unpaired t-tests (Welch's test); data collected from pairs of mice of each genotype were analyzed.

Parameter	-/- [n=8]	+/+ [n=7]	t-test (Welch-test)
Latency to first social contact [s]	21.25 \pm 5.11	22.86 \pm 5.29	T=-0.22, df=12.84, n.s.
Number of contacts [n]	172.88 \pm 29.33	127.00 \pm 26.5	T=1.16, df=12.99, n.s.
Time spent in contact [s]	15.16 \pm 2.75	9.33 \pm 1.92	T=1.74, df=12.13, n.s.
Mean distance between animals [cm]	30.04 \pm 1.89	34.03 \pm 1.62	T=-1.60, df=12.92, n.s.
Active social interaction [%]	42.66 \pm 3.83	35.83 \pm 3.03	T=1.40, df=12.70, n.s.
Passive social interaction [%]	0.07 \pm 0.07	0.00 \pm 0.00	T=1.00, df=7.00, n.s.
Stay in the center area [%]	11.76 \pm 1.72	12.46 \pm 1.69	T=-0.29, df=12.96, n.s.
Stay in the edge area [%]	87.89 \pm 1.73	87.24 \pm 1.72	T=0.27, df=12.93, n.s.
Travelling distance [m]	63.23 \pm 7.21	69.52 \pm 12.46	T=-0.44, df=9.76, n.s.
Aggressive behaviour [n]	6.13 \pm 2.96	0.14 \pm 0.14	T=2.02, df=7.03, p<0.05
Sniffing [n]	37.00 \pm 2.57	34.86 \pm 2.33	T=0.62, df=13.00, n.s.
Anogenital Sniffing [n]	42.25 \pm 4.64	31.14 \pm 3.29	T=1.95, df=12.21, p<0.05
Following [n]	17.63 \pm 4.95	10.43 \pm 2.51	T=1.30, df=10.26, n.s.
Defecation [n]	1.63 \pm 1.00	3.14 \pm 0.77	T=-1.20, df=12.60, n.s.