Supplemental Figures:

Figure S1. Attenuated self-grooming in early diazepam-treated BTBR mice. related to Fig 5.
(A) During self-grooming, mice repetitively lick and rub their paws, tail and fur over the entire body. Time spent self-grooming of any body part was measured after 20 minutes of habituation in a clean and empty, standard housing cage. (B) Cumulative time spent grooming in 20 minutes was measured in adult (>P45) C57BL/6 (n=5), saline treated BTBR (n=18) and early diazepam treated BTBR (n=18). Note the significant reduction in self-grooming of early diazepam-treated BTBR mice. Values are mean ± s.e.m. t tests: *P < 0.05, **P < 0.01.
Figure S2. Autism-relevant behaviors in GAD65 KO mice. related to Fig 6

(A) GAD65 KO mice exhibit excessive self-grooming. *t* test, **P < 0.01.

(B) GAD65 KO mice demonstrate reduced social approach behavior with no preference to explore a stranger mouse compared to an object. (KO, n.s.; C57BL/6, P<0.0001; one-way ANOVA, Bonferroni post hoc t test; N = 10-12 mice per group). All values are mean ± s.e.m.