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Supplementary data

Table S1. Physical performance in males and females Naïve 12-month-old 3xTg-AD and NTg mice.

Functional Profile	Males		Females		Statistics ANOVA
	NTg mice *n*=13 (Mean ± SEM)	3xTg-AD mice *n*=19 (Mean ± SEM)	NTg mice *n*=17 (Mean ± SEM)	3xTg-AD mice *n*=14 (Mean ± SEM)	
Bodyweight	29.31 ± 0.56	35.67 ± 1.79 p = **0.039**$^{\$}$	27.15 ± 1.12	33.93 ± 2.14 p = **0.024**$^{\$}$	***G, $p < 0.001$******
Quantitative parameters of gait - Gait					
Stride length (*cm*)	5.00 ± 0.36	4.25 ± 0.46	4.28 ± 0.35	5.19 ± 0.26	***GxS, $p = 0.037$****
Variability of stride length (%)	33.60 ± 3.00	30.47 ± 3.59	30.28 ± 3.00	19.53 ± 2.98	***S, $p = 0.015$****
Speed (*cm/s*)	10.78 ± 2.10	5,34 ± 1.01 ***$p = 0.018^{\$}$***	8.10 ± 1.87	6.71 ± 1.10	***GxS, $p = 0.033$**** ***S, $p = 0.015$****
Cadence (*steps/s*)	3.76 ± 0.62	1.86 ± 0.35 ***$p = 0.007^{\$\$}$***	3.28 ± 0.72	1.52 ± 0.26	***G, $p = 0.002$*****
Exploration and Neophobia – Corner test					
Horizontal activity (*n corners*)	9.15 ± 0.85	8.74 ± 1.32	9.13 ± 0.98	9.58 ± 1.43	***n.s.***
Vertical activity (*n rearings*)	2.85 ± 0.89	2.16 ± 0.59	2.13 ± 0.53	2.36 ± 0.54	***n.s.***
Rearing latency (*s*)	39.46 ± 6.15	32.31 ± 5.30	31.54 ± 4.74	29.37 ±5.26	***n.s.***
Ratio (corners/rearings)	2.02 ± 0.73	2.53 ± 0.69	3.95 ± 0.93	5.38 ± 1.26	***S, $p = 0.015$****
Freezing (movement latency, *s*)	0.94 ± 0.49	5.69 ± 3.21	4.64 ± 3.73	1.34 ± 0.65	***n.s.***
Response to gravity- Geotaxis					
Geotaxis *(latency, s)*	5.77 ± 0.65	4.61 ± 0.64	4.61 ± 0.39	6.21 ± 0.60	***GxS****
Motor performance - Rotarod					
Motor learning *(latency, s)*	29.23 ± 6.58	18.79 ± 4.55	45.53 ± 5.73	32.00 ± 6.79	***S****
Motor learning - *(trials learning)*	2.54 ± 0.42	3.37 ± 0.44	1.82 ± 0.35	1.86 ± 0.27 ***$p = 0.010^{\#}$***	***S, $p = 0.004$*****
Physical endurance *(total latency, s)*	216.35 ± 15.28	144.03 ± 13.83 ***$p = 0.001^{\$\$}$***	182.30 ± 9.99	200.76 ± 13.50 ***$p = 0.014^{\#}$***	***GxS, $p = 0.001$**$^{\#}$***
Day 1 *(total latency, s)*	141.68 ± 15.25	91.46 ± 9.05 ***$p = 0.020^{\$}$***	116.49 ± 10.19	122.40 ± 12.19	***GxS, $p = 0.019$****
Day 2 *(total latency, s)*	245.85 ± 18.40	151.75 ± 18.47 ***$p = 0.001^{\$\$}$***	206.91 ± 13.31	213.79 ± 17.78	***G, $p = 0.012$*,*** ***GxS, $p = 0.004$*****
Day 3 *(total latency, s)*	261.53 ± 17.45	188.89 ± 17.26 ***$p = 0.014^{\$}$***	223.50 ± 12.91	266.10 ± 17.71 ***$p = 0.006^{\#\#}$***	***GxS, $p = 0.001$*****

G, Genotype effect, G*** p < 0.001, G** *p* < 0.01, G* *p* < 0.05, *n.s.* *p* > 0,05. S, Sex effect, S*** *p* < 0.001, S** *p* < 0.01, S* *p* < 0.05, *n.s.* *p* > 0,05. GxS, genotype and sex interaction effects, GxS*** *p* < 0.01, GxS** *p* < 0.05, GxS* *p* < 0.05, *n.s.* p > 0,05. Bonferroni *post hoc* test: g, genotype; s, sex; and $ expressed genotype differences between sex, and # expressed sex differences between genotypes.

Table S2. Physical performance in males and female 3xTg-AD and NTg after Re-test to 16m.

Functional Profile	Males		Females		Statistics	
	NTg mice *n*=10 (Mean ± SEM)	**3xTg-AD mice *n*=14 (Mean ± SEM)**	**NTg mice *n*=12 (Mean ± SEM)**	**3xTg-AD mice *n*=9 (Mean ± SEM)**	**ANOVA (Retest)**	**MRA (12m vs. 16m)**
Bodyweight	29.09 ± 0.40	33.63 ± 1.55 p = **0.035**$^{\$}$	25.65 ± 0.78	26.37 ± 0.80 p < **0.001**$^{\#}$	***G, p = 0.026****	***G, p = 0.041**** **S, *p* = 0.003****
S, p < **0.001****						
Quantitative parameters of gait - Gait						
Stride length (*cm*)	3.61 ± 0.41	2.96 ± 0.49 ***p* = 0.023**$^{\$}$	3.03 ± 0.49	4.63 ± 0.49	***GxS, p = 0.017****	***n.s.***
Variability of stride length (%)	22.18 ± 4.23	30.50 ± 5.53	27.61 ± 6.09	18.53 ± 2.15	***n.s.***	***S, p = 0.026****
Speed (*cm/s*)	6.85 ± 1.33	2.69 ± 0.79 ***p = 0.026***$^{\$}$	5.48 ± 1.31	7.36 ± 1.35	***GxS, p = 0.042****	***n.s.***
Cadence (*steps/s*)	3.04 ± 0.53	2.24 ± 0.36 ***p* = 0.004**$^{\$}$	2.83 ± 0.67	2.39 ± 0.51	***n.s.***	***G, p = 0.011****
Exploration and Neophobia – Corner test						
Horizontal activity (*n corners*)	8.70 ± 1.88	6.92 ± 1.48	6.82 ± 1.88	11.56 ± 2.70	***n.s.***	***n.s.***
Vertical activity (*n corners*)	1.50 ± 0.87	0.38 ± 0.30	0.82 ± 0.64	1.44 ± 0.56	***n.s.***	***n.s.***
Rearing latency (*s*)	38.11 ± 7.77	53.38 ± 2.83	51.48 ± 5.78	36.70 ± 7.82	***n.s.***	***n.s.***
Ratio (corners/rearings)	2.95 ± 1.82	1.19 ± 0.68	0.54 ± 0.42	5.02 ± 2.02	***GxS, p = 0.037**** ***GxS, p = 0.008***$^{\#\#}$	***GxS, p = 0.007*****
Freezing (movement latency, *s*)	7.67 ± 5.87	10.60 ± 6.88	11.19 ± 7.28	0.88 ± 0.58	***n.s.***	***n.s.***
Response to gravity- Geotaxis						
Geotaxis *(latency, s)*	4.95 ± 0.83	7.75 ± 1.03 ***p = 0.042***^{r}	6.61 ± 1.02	5.87 ± 1.01	***GxS, p = 0.012****	***n.s.***
Motor performance - Rotarod						
Motor learning *(latency, s)*	39.00 ± 8.65	56.64 ± 3.13 ***p < 0.001***^{rrr} ***p = 0.025***^{s}	60.00 ± 0.00	60.00 ± 0.00	***G, p = 0.042*,*** ***GxS, p = 0.042****	***S, p = 0.021****
Motor learning *(trials learning)*	1.60 ± 0.26	1.15 ± 0.10	1.00 ± 0.00	1.00 ± 0.00 ***p = 0.019***$^{\#}$	***S, p = 0.07*****	***S, p = 0.024****
Physical endurance *(latency, s)*	228.43 ± 10.27	184.04 ± 15.60	209.64 ± 18.58	257.94 ± 20.07 ***p = 0.010***$^{\#}$	***GxS, p = 0.005*****	***GxS, p = 0.005*****
Day 1 *(total latency, s)*	179.48 ± 14.89	141.9 ± 11.29	176.63 ± 18.66	188.15 ± 23.17	***n.s.***	***n.s.***
Day 2 *(total latency, s)*	250.09 ± 14.13	189.44 ± 17.42	222.13 ± 21.83	282.93 ± 27.78 ***p = 0.008***$^{\#\#}$	***GxS, p = 0.003*****	***GxS, p = 0.004*****
Day 3 *(total latency, s)*	255.72 ± 11.86	220.9 ± 20.71	229.87 ± 20.49	302.76 ± 20.27 ***p = 0.017***$^{\#}$	***GxS, p = 0.006*****	***GxS, p = 0.003*****

MRA, naïve 12m - retest 16m, ANOVA. G, Genotype effect, G*** $p < 0.01$, G** $p < 0.05$, G* $p < 0.05$, *n.s.* $p > 0{,}05$. S, Sex eefct, S*** $p < 0.01$, S** $p < 0.05$, S* $p < 0.05$, *n.s.* $p > 0{,}05$. GxS, genotype and sex interaction effects, GxS*** $p < 0.01$, GxS** $p < 0.05$, GxS* $p < 0.05$, *n.s.* $p > 0{,}05$. Bonferroni *post hoc* test: g, genotype; s, sex; and $ expressed genotype differences between sex, and # expressed sex differences between genotypes, and r expressed re-test differences between 12m and 16m in the same group.

Table S3. Physical performance in males and females Naïve 16-month-old 3xTg-AD and NTg mice.

Functional Profile	Males		Females		Statistics	
	NTg mice n=12 (Mean ± SEM)	3xTg-AD mice n=12 (Mean ± SEM)	NTg mice - (Mean ± SEM)	3xTg-AD mice n=9 (Mean ± SEM)	ANOVA Naïve 16m	ANOVA Naïve vs. Retest
Bodyweight **s, $p < 0.001^{\#\#\#}$**	31.53 ± 0.90	36.44 ± 1.81 p = **$0.023^{\$}$**	-	26.90 ± 0.40 **$p < 0.001^{\#}$**	**G, p = 0.001****	**R, $p = 0.006$**** **g, $p = 0.005^{\$\$}$** **s, $p < 0.001^{\#\#\#}$**
Quantitative parameters of gait - Gait						
Stride length (*cm*)	4.59 ± 0.42	4.80 ± 0.50	-	4.51 ± 0.58	***n.s.***	***N, $p = 0.023^{r}$***
Variability of stride length (%)	25.53 ± 2.71	25.79 ± 3.92	-	20.25 ± 4.46 ***$p = 0.026^{\#}$***	***n.s.***	***NxS, $p = 0.047^{\#}$*** ***S, $p = 0.026^{\#}$***
Speed (*cm/s*)	3.54 ± 0.91	2.93 ±0.47	-	5.72 ± 1.83	***n.s.***	***G, $p = 0.022^{\$}$*** ***S, $p = 0.014^{\#}$***
Cadence (*steps/s*)	1.24 ± 0.16 ***$p = 0.037^{r}$***	0.80 ± 0.09	-	1.72 ± 0.67	***n.s.***	***G, $p = 0.001^{\$\$}$*** ***R, $p = 0.016^{r}$***
Exploration and Neophobia – Corner test						
Horizontal activity (*n corners*)	8.33 ± 0.80	10.25 ± 1.95	-	10.11 ± 2.62	***n.s.***	***n.s.***
Vertical activity (*n rearings*)	2.58 ± 0.86	3.75 ± 1.11	-	1.33 ± 0.50	***n.s.***	***N, $p = 0.005^{\$\$}$*** ***N, $p = 0.044^{\#}$*** ***NxS, $p = 0.023^{\#}$***
Rearing latency (*s*)	27.44 ± 7.23	32.69 ± 7.15	-	36.30 ± 7.90	***n.s.***	***N, $p = 0.022^{\$}$***
Ratio (corners/rearings)	1.85 ± 0.51	1.44 ± 0.41	-	4.35 ± 2.22	***n.s.***	***N, $p = 0.039^{\$}$***
Freezing (movement latency, *s*)	0.09 ± 0.09	1.04 ± 0.64	-	14.05 ± 8.70	***n.s.***	***N, $p = 0.013^{\$}$***
Response to gravity- Geotaxis						
Geotaxis *(latency, s)*	5.47 ± 0.99	4.24 ± 0.49 ***$p = 0.041^{r}$***	-	8.21 ± 1.14	***n.s.***	***GxR, $p = 0.009$***** ***GxS, $p = 0.002$*****
Motor performance – Rotarod						
Motor learning *(latency, s)*	44.08 ± 6.55	29.08 ± 6.99 ***$p = 0.007^{nn}$***	-	30.33 ± 8.34 ***p = 0.026n*** ***$p < 0.001^{\#\#\#}$***	***n.s.***	***GxR, $p = 0.014^{\$}$***
Motor learning *(trials learning)*	1.58 ± 0.22	2.08 ± 0.28 ***$p = 0.012^{n}$***	-	3.00 ± 0.85 ***p = 0.022n*** ***$p < 0.001^{\#\#\#}$***	***n.s.***	***R, $p = 0.042^{\$}$*** ***GxR, $p = 0.042$****
Physical endurance *(total latency, s)*	177.62 ± 12.01 ***$p < 0.001^{aaa}$*** ***$p < 0.001^{nnn}$***	189.27 ± 11.56 ***$p = 0.001^{nn}$***	-	206.58 ± 21.47 ***p = 0.001nn*** ***$p = 0.001^{aa}$***	***n.s.***	***R, $p < 0.001^{\$\$\$}$*** ***R, $p < 0.001^{\#\#\#}$*** ***S, $p = 0.004^{\#\#}$***
Day 1 *(total latency, s)*	110.09 ± 9.66	118.65 ± 9.31 ***$p < 0.001^{aaa}$*** ***$p = 0.025^{n}$***	-	147.44 ± 24.10	***n.s.***	***R, $p = 0.006^{\$\$}$*** ***S, $p = 0.022^{\#}$***
Day 2 *(total latency, s)*	199,23 ± 16.02	208.43 ± 14.56 ***$p < 0.004^{aa}$***	-	217.17 ± 23.20	***n.s.***	***S, $p = 0.017^{\#}$***
Day 3 *(total latency, s)*	223.54 ± 17.86 ***$p = 0.009^{aa}$***	240.73 ± 15.31	-	255.13 ± 30.47 ***$p = 0.013^{n}$***	***n.s.***	***R, $p = 0.001^{\$\$}$*** ***R, $p = 0.001^{\#\#}$***

***p* = 0.008**[nn]	**S, *p* = 0.011**[#]

G, Genotype effect, G* $p < 0.05$, *n.s.* $p > 0{,}05$. S, Sex effect, S*** $p < 0.01$, S** $p < 0.05$, *n.s.* $p > 0{,}05$. Bonferroni *post hoc* test: s, sex; and # expressed sex differences between genotypes; $ expressed genotype differences between sex, and # expressed sex differences between genotypes; a expressed age differences in each group; r expressed re-test differences between 12m and 16m in the same group, and n expressed naive differences between re-test 16m and naïve16m in the same group.

Table S4: Statistics Figure 5C

Figure 5C.1 Males: MRA -ANOVA, Day-by-day1, F (5,74) = 6.779, *p* < 0.001, *post hoc* NTg naïve 12m *vs.* 3xTg-AD naïve 12m *p* = 0.023, NTg naïve 16m *vs.* NTg re-test 16m *p* = 0.012, 3xTg-AD naïve 12m *vs.* 3xTg-AD re-test 16m *p* = 0.002. Genotype differences, MRA-ANOVA, F (1,76) = 4.638, *p* = 0.034. Re-test differences, MRA-ANOVA, F (1,76) = 20.040, *p* < 0.001.
Figure 5C.2 Males: MRA -ANOVA, Day-by-day 2, F (5,73) = 5.078, *p* < 0.001, *post hoc* naïve 12-month-old NTg *vs*. naïve 3xTg-AD 12m *p* = 0.001. Genotype differences, MRA-ANOVA, F (1,75) = 11.412, *p* = 0.01.
Figure 5C.3 Males: MRA -ANOVA, Day-by-day 3, F (5,73) = 2.733, *p* = 0.026, *post hoc* naïve NTg 12m *vs.* naïve 3xTg-AD 12m *p* = 0.028. Genotype differences, MRA-ANOVA, F (1,75) = 4.480, *p* = 0.038.
Figure 5C.4 Males: MRA -ANOVA, Trial-by-trial, F (5,73) = 5.211, *p* < 0.001. Genotype differences, MRA-ANOVA, F (1,75) = 8.815, *p* = 0.004. Re-test differences, MRA-ANOVA, F (1,75) = 4.692, *p* = 0.033.
Figure 5C.5 Females: MRA -ANOVA, Trial-by-trial, F (4,65) = 3.137, *p* = 0.021, *post hoc* NTg naïve 12m *vs.* 3xTg-AD re-test 16m *p* = 0.009.
Figure 5C.6 Females: MRA -ANOVA, Day-by-day 1, F (4,56) = 4.438, *p* = 0.03, *post hoc* NTg naïve 12m *vs.* NTg re-test 16m *p* = 0.028, NTg naïve 12m vs. re-test 3xTg-AD 16m *p* = 0.025.
Figure 5C.7 Females: MRA -ANOVA, Day-by-day 3, F (4,56) = 2.701, *p* = 0.040.
Figure 6C.8 3xRg-AD: MRA -ANOVA, Trial-by-trial, Trial by trial: MRA-ANOVA, F (5,71) = 5.586 , *p* < 0.001. Sex differences, MRA-ANOVA, F (1,73) = 15.213, *p* < 0.001. Re-test differences, MRA-ANOVA, F (1,73) = 7.873, *p* = 0.006.
Figure 5C.9 3xTg-AD: MRA -ANOVA, Day-by-day 1, F (5,71) = 5.424, *p* < 0.001, *post hoc* females re-test 16m vs. naïve males 12m *p* < 0.001, re-test females 16m vs. 16m naïve males *p* = 0.042. Sex differences: MRA-ANOVA, F (1,73) = 6.537, *p* = 0.013. Re-test differences: MRA-ANOVA, F (1,73) = 16.327, *p* < 0.001.
Figure 5C.10 3xTg-AD: MRA -ANOVA, Day-by-day 2, F (5,71) = 4.694, *p* = 0.001, *post hoc* females re-test 16m vs. naïve males 12m *p* < 0.001, re-test females 16m vs. 16m naïve males *p* = 0.036. Sex differences: MRA-ANOVA, F (1,73) = 14.001, *p* < 0.001. Re-test differences: MRA-ANOVA, F (1,73) = 5.371, *p* = 0.023.
Figure 5C.11 3xTg-AD: MRA -ANOVA, Day-by-day 3, F (5,71) = 4.077, *p* = 0.003, *post hoc* females re-test 16m vs. naïve males 12m *p* = 0.002. Sex differences: MRA-ANOVA, F (1,73) = 13.723, *p* < 0.001.
Figure 5C.12 Males - Day 1: T1, ANOVA, F (5,74) = 4.931, *p* = 0.001, *post hoc* naïve 3xTg-AD 12m vs. 3xTg-AD re-test 16m *p* = 0.004; Re-test differences, ANOVA, F (1,78) = 18.084, *p* < 0.001. T2, ANOVA, F (5,74) = 4.260, *p* = 0.002, *post hoc* naïve 3xTg-AD 12m vs. 3xTg-AD re-test 16m *p* = 0.007; Re-test differences, ANOVA, F (1,78) = 18.307, *p* < 0.001. T3, ANOVA, F (5,74) = 3.981, *p* = 0.003, *post hoc* naïve 3xTg-AD 12m vs. 3xTg-AD re-test 16m *p* = 0.011; Re-test differences, ANOVA, F (1,78) = 12.376, *p* = 0.001. T4, ANOVA, F (5,74) = 5.452, *p* < 0.001, *post hoc* NTg re-test 16m vs. naïve NTg 16m *p* = 0.003, 3xTg-AD naïve 16m vs. NTg naïve 16m *p* = 0.005; Genotype differences, ANOVA, F (1,78) = 11.578, *p* = 0.001; Re-test differences, ANOVA, F (1,78) = 12.228, *p* = 0.001. T5, ANOVA, F (5,74) = 4.868, *p* = 0.001, *post hoc* NTg re-test 16m vs. naïve NTg 16m *p* = 0.016, 3xTg-AD naïve 12m vs. 3xTg-AD re-test 16m *p* = 0.025; Re-test differences, ANOVA, F (1,78) = 16.546, *p* < 0.001. T6, ANOVA, F (5,74) = 5.916, *p* < 0.001, *post hoc* 3xTg-AD naïve 12m vs. NTg

naïve 12m $p = 0.002$, 3xTg-AD naïve 12m vs. 3xTg-AD re-test 16m $p = 0.006$; Genotype differences, ANOVA F (1,78) = 8.355, $p = 0.005$; Re-test differences, ANOVA, F (1,78) = 11.347, $p = 0.001$.
Figure 5C.13 Males - Day 2: T1, ANOVA, F (5,74) = 2.963, $p = 0.027$, *post hoc* 3xTg-AD naïve 12m vs. NTg naïve 12m $p = 0.017$; Genotype differences, ANOVA, F (1,78) = 4.168, $p = 0.045$. T3, ANOVA, F (5,74) = 5.098, *post hoc* 3xTg-AD naïve 12m vs. NTg naïve 12m p = 0.002; Genotype differences, ANOVA, F (1,78) = 8.601, $p = 0.004$. T4, ANOVA, F (5,74) = 5.807, $p < 0.001$, *post hoc* 3xTg-AD naïve 12m vs. NTg naïve 12m $p = 0.001$; Geno-type differences, ANOVA, F (1,78) = 12.959, $p = 0.001$. T5, ANOVA, F (5,74) = 8.099, $p < 0.001$, *post hoc* 3xTg-AD naïve 12m vs. NTg naïve 12m p < 0.001, 3xTg-AD re-test 16m vs. NTg re-test 16m $p = 0.033$, 3xTg-AD naïve 12m vs. 3xTg-AD naïve 16m $p = 0.014$; Genotype differences, ANOVA, F (1,78) = 17.675, $p < 0.001$. T6, Genotype differences, ANOVA, F (1,78) = 6.282, $p = 0.014$.
Figure 5C.14 Males - Day 3: T1, ANOVA, F (5,74) = 3.075, $p = 0.014$; Genotype differences, ANOVA, F (1,78) = 6.477, $p = 0.013$; Re-test differences, ANOVA, F (1,78) = 6.616, $p = 0.012$. T4, ANOVA, F (5,74) = 2.617, $p = 0.031$, *post hoc* 3xTg-AD naïve 12m vs. NTg naïve 12m $p = 0.026$. T5, Genotype differences, ANOVA, F (1,78) = 5.066, $p = 0.027$.
Figure 5C.15 Females – Day 1: T1, ANOVA, F (4,56) = 3.996, $p = 0.006$, *post hoc* NTg naïve 12m vs. NTg re-test 16m $p = 0.045$. T2, ANOVA, F (4,56) = 4.477, $p = 0.003$, *post hoc* NTg naïve 12m vs. NTg re-test 16m $p = 0.015$. T4, ANOVA, F (4,56) = 3.729, $p = 0.009$, *post hoc* NTg naïve 12m vs. re-test NTg 16m $p = 0.026$. T5, ANOVA, F (4,56) = 2.809, $p = 0.034$. T6, ANOVA, F (4,56) = 4.909, $p = 0.002$, *post hoc* NTg naïve 12m vs. NTg re-test 16m $p = 0.008$.
Figure 5C.16 Females - Day 2: T1, ANOVA, F (4,56) = 2.588, $p = 0.046$, *post hoc* 3xTg-AD naïve 12m vs. 3xTg-ASD re-test 16m $p = 0.028$. T3, ANOVA, F (4,56) = 3.272, $p = 0.018$.
Figure 5C.17 Females - Day 3: T3, ANOVA, F (4,56) = 2.606, $p = 0.045$. T4, ANOVA, F (4,56) = 2.988, $p = 0.026$. T5, ANOVA, F (4,56) = 3.025, $p = 0.025$, *post hoc* 3xTg-AD retest 16m vs. NTg re-test 16m p = 0.045. T6, ANOVA, F (4,56) = 2.731, $p = 0.038$, see figure 5C.
Figure 5C.18 3xTg-AD - Day 1, T1, ANOVA, F (5,71) = 4.431, $p = 0.001$, *post hoc* female re-test 16m vs. Male naïve 12m $p = 0.002$; Re-test differences, ANAOVA, F (1,76) = 16.401, $p < 0.001$. T2, ANOVA, F (5,71) = 4.372, $p = 0.002$, *post hoc* female re-test 16m vs. male naïve 12m $p = 0.004$, female re-test 16m vs. male naïve 16m $p = 0.050$; Re-test differences, ANOVA, F (1,76) = 15.013, $p < 0.001$. T3, ANOVA, F (5,71) = 4.144, $p = 0.002$, *post hoc* female re-test 16m vs. male naïve 12m $p = 0.002$; Re-test differences, ANOVA, F (1,76) = 11.434, $p = 0.001$. T4, ANOVA, F (5,71) = 2.572, $p = 0.034$, *post hoc* female re-test 16m vs. male naïve 12m $p = 0.035$; Sex differences, ANOVA, F (1,76) = 5.752, $p = 0.019$; Re-test differences, ANOVA, F (1,76) = 5.725, $p = 0.019$. T5, ANOVA, F (1,76) = 4.794, $p = 0.001$, *post hoc* female re-test 16m vs. male naïve 12m $p = 0.042$; Sex differences, ANOVA, F (1,76) = 5.952, $p = 0.017$; Re-test differences, ANOVA, F (1,76) = 13.912, $p < 0.001$. T6, ANOVA, F (5,71) = 5.723, $p < 0.001$, *post hoc* female re-test 16m vs. male naïve 12m $p < 0.001$; Sex differences, ANOVA, F (1,76) = 7.737, $p = 0.007$; Re-test differences, ANOVA, F (1,76) = 15.056, $p < 0.001$.
Figure 5C.19 3xTg-AD - Day 2: T1, ANOVA, F (5,71) = 3.104, $p = 0.014$, *post hoc* female re-test 16m vs. male naïve 12m $p = 0.005$; Re-test differences, ANOVA, F (1,76) = 9.296, $p = 0.003$. T2, Sex differences, ANOVA, F (1,76) = 6.607, $p = 0.012$; Re-test differences, ANOVA, F (1,76) = 4.183, $p = 0.044$. T3, ANOVA, F (5,71) = 5.092, $p < 0.001$, *post hoc* female re-test 16mvs. male naïve 12m $p < 0.001$, female re-test 16m vs. male re-test 16m $p = 0.004$; Sex differences, ANOVA, F (1,76) = 16.280, $p < 0.001$; Re-test differences, ANOVA, F (1,76) = 4.017, $p = 0.049$; SxR differences, ANOVA, F (1,76) = 4.912, $p = 0.030$. T4, ANOVA, F (5,71) = 4.043, $p = 0.003$, *post hoc* female re-test 16m vs. male naïve 12m $p = 0.001$; Sex differences, ANOVA, F (1,76) = 13.637, $p < 0.001$. T5, ANOVA, F (5,71) = 5.511, p < 0.001, *post hoc* female naïve 12m vs. male naïve 12m $p = 0.015$; Sex differences, ANOVA, F (1,76) = 13.849, $p < 0.001$. T6, ANOVA, F (5,71) = 3.529, $p = 0.007$; Sex differences, ANOVA, F (1,76) = 13.549, $p < 0.001$.
Figure 5C.20 3xTg-AD - Day 3: T1, Sex differences, ANOVA, F (1,76) = 6.160, $p = 0.015$. T2, ANOVA, F (1,76) = 6.384, $p = 0.014$. T3, ANOVA, F (5,71) = 3.942, $p = 0.003$, *post hoc* female naïve 12m vs. male naïve 12m p = 0.048, female re-test 16m vs. male naïve 12m $p = 0.007$; Sex differences, ANOVA, F (1,76) = 13.021, $p = 0.001$. T4, ANOVA, F (5,71) = 3.789, $p = 0.004$, *post hoc* female naïve 12m vs. male naïve 12m $p = 0.045$, female re-test 16m vs. male naïve 12m $p = 0.004$; Sex differences, ANOVA, F (1,76) = 10.172, $p = 0.002$. T5, ANOVA, F (5,71) = 5.281, $p < 0.001$, *post hoc* female naïve 12m vs. male naïve 12m $p = 0.011$, female re-test 16m vs. male naïve 12m $p = 0.012$; Sex differences, ANOVA, F (1,76) = 18.229, $p < 0.001$. T6, ANOVA, F (5,71) = 3.822, $p = 0.004$, *post hoc* female re-test 16m vs. male naïve 12m $p = 0.003$; Sex differences, ANOVA, F (1,76) = 14.803, $p < 0.001$.