

Table 1: Demographics of mice tested.

Genotype	Sex	Mean age (days)	Minimum age (days)	Maximum age (days)	N
3xTg-AD	Female	296.27	154	558	11
3xTg-AD	Male	366.00	366	366	1
B6129	Female	403.00	172	756	13
B6129	Male	373.00	298	574	4

Subjects

Discrimination

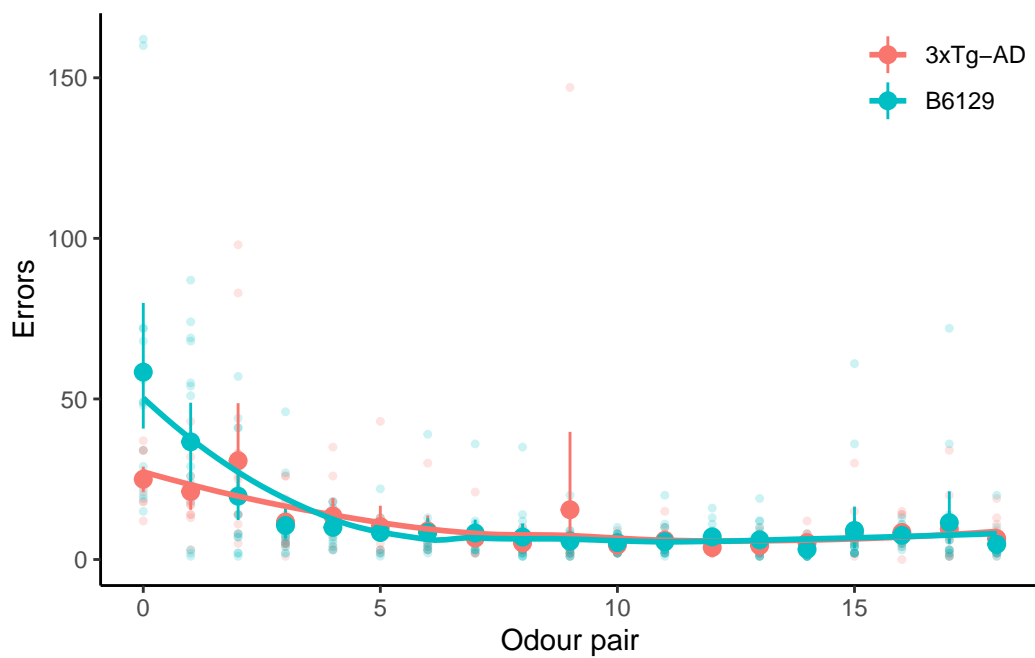


Figure 1: Errors ($\pm 95\%$ CI) made by the mice at on each odour pair during the discrimination stages.

Reversal

Table 2: AICc model table for discrimination.

(Intercept)	geno	op	sex	geno:op	geno:sex	op:sex	geno:op:sex	df	logLik	AICc	delta	weight
19.06	+	-0.91		+				6	-2301.05	4614.26	0.00	0.317764605
22.80		-1.24						4	-2303.82	4615.72	1.46	0.153144298
19.09	+	-0.91	+	+				7	-2301.03	4616.27	2.01	0.116350110
21.96	+	-1.24						5	-2303.40	4616.91	2.65	0.084566372
19.39	+	-0.95	+	+		+		8	-2300.37	4617.00	2.74	0.080805467
22.81		-1.24	+					5	-2303.82	4617.76	3.50	0.055318398
19.25	+	-0.91	+	+	+			8	-2300.90	4618.08	3.82	0.047128520
19.54	+	-0.95	+	+	+	+		9	-2300.24	4618.81	4.55	0.032609824
21.99	+	-1.24	+					6	-2303.38	4618.91	4.65	0.031089398
23.16		-1.28	+			+		6	-2303.58	4619.31	5.05	0.025428744
20.09	+	-1.01	+	+	+	+	+	10	-2299.54	4619.50	5.24	0.023146139
22.35	+	-1.28	+			+		7	-2303.13	4620.47	6.21	0.014224246
22.15	+	-1.24	+		+			7	-2303.25	4620.71	6.45	0.012655018
22.51	+	-1.28	+		+	+		8	-2303.01	4622.28	8.02	0.005768862

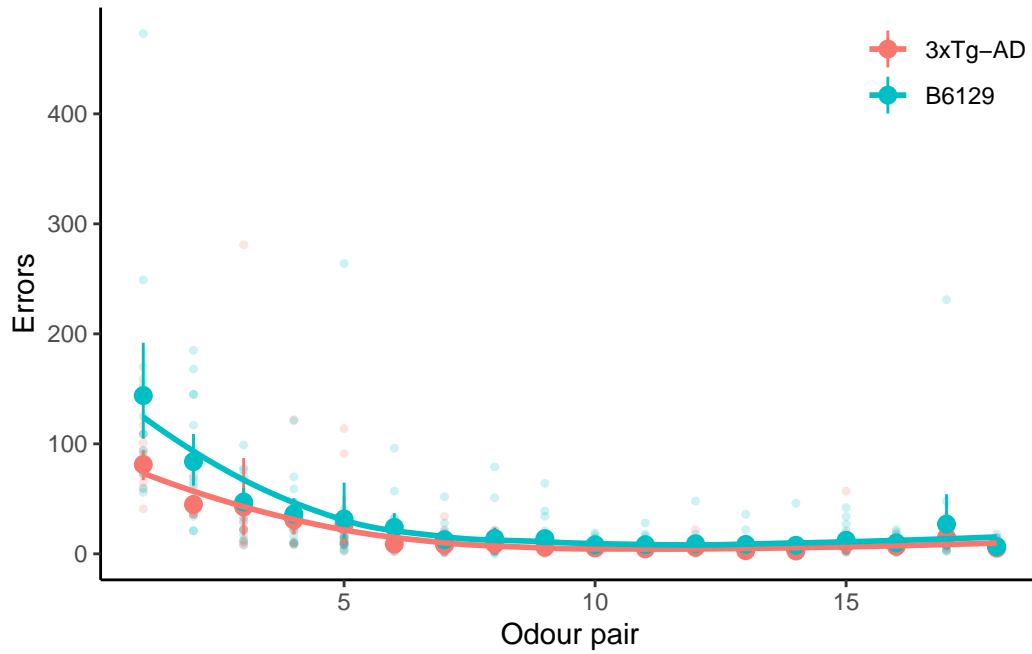
Figure 2: Errors ($\pm 95\%$ CI) made by the mice at on each odour pair during the reversal stages.

Table 3: AICc model table for reversal.

(Intercept)	geno	op	sex	geno:op	geno:sex	op:sex	geno:op:sex	df	logLik	AICc	delta	weight
43.54	+	-2.77		+				6	-2561.64	5135.44	0.00	0.3422551191
43.05	+	-2.77	+	+				7	-2560.79	5135.80	0.36	0.2860805436
43.26	+	-2.77	+	+	+			8	-2560.74	5137.76	2.33	0.1069130402
43.15	+	-2.78	+	+		+		8	-2560.77	5137.84	2.40	0.1030972798
52.65	+	-3.73						5	-2564.79	5139.69	4.26	0.0407318702
43.36	+	-2.78	+	+	+	+		9	-2560.73	5139.81	4.38	0.0383672057
52.14	+	-3.72	+					6	-2563.93	5140.04	4.60	0.0343429108
43.85	+	-2.83	+	+	+	+	+	10	-2560.66	5141.75	6.32	0.0145550482
51.66	+	-3.68	+			+		7	-2563.88	5141.98	6.54	0.0130141429
52.35	+	-3.72	+		+			7	-2563.88	5141.99	6.55	0.0129242614
51.88	+	-3.67	+		+	+		8	-2563.83	5143.94	8.50	0.0048782383
57.44		-3.72	+					5	-2568.12	5146.36	10.92	0.0014570226
58.90		-3.72						4	-2569.70	5147.49	12.05	0.0008277816
56.95		-3.67	+			+		6	-2568.06	5148.28	12.85	0.000555356