

**Elevated plus maze**

	Means ± SEM		Unpaired t-test with Holm-Sidak correction		
	WT	HET	t ratio	df	p value
<i>Percent time in open arms</i>					
Control males	25.91 ± 4.78	26.31 ± 3.12	0.06472	17	0.964152
ELSD males	24.98 ± 4.98	23.19 ± 5.37	0.2429	19	0.964152
PASD males	33.40 ± 6.84	38.49 ± 2.86	0.6866	14	0.877635
Control females	17.69 ± 1.94	22.49 ± 6.21	0.8093	16	0.43021
** ELSD females	23.83 ± 2.75	36.56 ± 2.13	3.51	16	0.008685
# PASD females	32.75 ± 4.40	46.10 ± 4.40	2.148	22	0.084182

	Means ± SEM		Unpaired t-test with Holm-Sidak correction		
	WT	HET	t ratio	df	p value
<i>Percent open arm entrances</i>					
Control males	36.04 ± 3.47	34.51 ± 2.28	0.3363	17	0.766385
ELSD males	32.95 ± 2.40	30.21 ± 2.94	0.7133	19	0.766385
PASD males	37.13 ± 5.02	41.75 ± 1.13	0.8985	14	0.766385
Control females	31.08 ± 3.31	31.61 ± 1.77	0.1317	16	0.896834
** ELSD females	34.55 ± 2.41	43.38 ± 2.41	2.557	16	0.061947
PASD females	37.20 ± 2.93	42.44 ± 2.87	1.28	22	0.38217

**Open field test**

	Means ± SEM		Unpaired t-test with Holm-Sidak correction		
	WT	HET	t ratio	df	p value
<i>Total distance traveled (cm)</i>					
Control males	6117.64 ± 519.83	6812.57 ± 407.81	0.9489	16	0.356784
** ELSD males	7675.30 ± 687.29	5211.27 ± 478.36	2.988	19	0.022514
PASD males	7402.25 ± 584.49	6329.25 ± 167.60	1.765	14	0.188948
Control females	5804.90 ± 505.58	6679.00 ± 458.05	1.25	16	0.405805
ELSD females	6831.00 ± 846.82	6798.75 ± 530.14	0.03132	15	0.975429
PASD females	8946.58 ± 845.93	6863.42 ± 480.23	2.142	22	0.125066

**Prepulse inhibition**

	Means ± SEM		2-way ANOVA				Sidak's multiple comparisons test	
	WT	HET	Factor	% variation	F(DFn, DFd)	p value	dB	Adjusted p value
<i>Percent startle inhibition</i>								
<b>Control males</b>								
<i>Startle tone (dB)</i>	74	12.27 ± 11.57	13.05 ± 6.73	dB x gtype	0.2831	F (4, 68) = 0.2549	0.9057	
	78	55.21 ± 3.30	48.98 ± 4.62	dB trial	65.31	F (1, 569, 26.67) = 58.81	<0.0001	
	82	65.48 ± 3.92	66.49 ± 3.60	genotype	0.2335	F (1, 17) = 0.3079	0.5862	
	86	76.72 ± 3.58	72.65 ± 3.66	subject	12.9	F (17, 68) = 2.733	0.0018	
	90	81.45 ± 2.93	75.70 ± 3.05					
<b>ELSD males</b>								
	74	28.69 ± 5.09	18.16 ± 9.87	dB x gtype	0.2965	F (4, 76) = 0.4587	0.7658	74 0.8913
	78	65.11 ± 3.87	46.78 ± 8.62	dB trial	51.84	F (2, 234, 42.44) = 80.18	<0.0001	78 0.3159
	82	78.92 ± 2.75	59.67 ± 6.59	genotype	8.412	F (1, 19) = 5.847	0.0258	82 0.0869
	*86	84.00 ± 2.70	67.71 ± 3.89	subject	27.34	F (19, 76) = 8.902	<0.0001	86 0.015
	**90	86.19 ± 1.26	69.75 ± 3.98					90 0.0099
<b>PASD males</b>								
	74	22.40 ± 7.47	25.41 ± 10.32	dB x gtype	2.183	F (4, 56) = 2.374	0.063	
	78	42.78 ± 8.39	66.73 ± 6.99	dB trial	47.33	F (1, 909, 26.72) = 51.48	<0.0001	
	82	63.65 ± 8.94	73.04 ± 5.32	genotype	2.788	F (1, 14) = 1.121	0.3077	
	86	67.36 ± 7.45	77.08 ± 5.23	subject	34.83	F (14, 56) = 10.82	<0.0001	
	90	76.48 ± 5.87	76.74 ± 4.15					
<b>Control females</b>								
	74	25.86 ± 7.56	28.38 ± 5.30	dB x gtype	1.26	F (4, 64) = 1.107	0.3609	
	78	62.79 ± 3.91	52.80 ± 6.68	dB trial	53.81	F (2, 093, 33.48) = 47.29	<0.0001	
	82	68.70 ± 3.54	57.49 ± 5.99	genotype	1.74	F (1, 16) = 1.209	0.2879	
	86	71.20 ± 3.64	67.46 ± 3.28	subject	23.03	F (16, 64) = 5.060	<0.0001	
	90	74.65 ± 3.01	68.21 ± 4.64					
<b>ELSD females</b>								
	74	30.28 ± 10.84	11.98 ± 9.72	dB x gtype	1.577	F (4, 64) = 1.896	0.122	
	78	59.81 ± 6.21	60.11 ± 5.13	dB trial	51.54	F (1, 553, 24.85) = 61.94	<0.0001	
	82	66.80 ± 6.62	67.88 ± 5.80	genotype	0.7215	F (1, 16) = 0.3407	0.5676	
	86	78.05 ± 3.90	72.46 ± 6.42	subject	33.88	F (16, 64) = 10.18	<0.0001	
	90	77.42 ± 4.73	75.84 ± 5.05					
<b>PASD females</b>								
	74	41.56 ± 8.21	11.48 ± 6.32	dB x gtype	3.45	F (4, 88) = 4.895	0.0013	74 0.0423
	78	64.63 ± 3.36	59.28 ± 3.20	dB trial	59.59	F (1, 363, 29.98) = 84.56	<0.0001	78 0.7797
	82	73.93 ± 3.15	65.39 ± 3.47	genotype	5.679	F (1, 22) = 7.916	0.0101	82 0.3489
	86	80.34 ± 1.70	72.93 ± 3.14	subject	15.78	F (22, 88) = 4.072	<0.0001	86 0.2393
	90	83.07 ± 1.88	75.45 ± 2.69					90 0.1472

## Sociability

*Seconds in proximity* Means ± SEM

		<b>non-social</b>	<b>stranger 1</b>
<b>Control males</b>	WT	75.17 ± 8.25	145.26 ± 18.84
	HET	81.18 ± 8.68	161.48 ± 24.76
<b>ELSD males</b>	WT	78.54 ± 7.35	157.93 ± 12.21
	HET	92.20 ± 5.54	117.01 ± 11.81
<b>PASD males</b>	WT	71.30 ± 5.61	158.71 ± 11.65
	HET	68.65 ± 6.41	144.16 ± 7.28
<b>Control females</b>	WT	72.93 ± 7.83	152.36 ± 15.69
	HET	75.69 ± 7.29	147.53 ± 6.10
<b>ELSD females</b>	WT	80.74 ± 6.40	168.75 ± 19.48
	HET	99.78 ± 15.06	182.89 ± 17.83
<b>PASD females</b>	WT	73.63 ± 7.00	111.64 ± 10.06
	HET	76.98 ± 6.84	132.80 ± 9.93

Paired t-test with Holm-Šídák correction

	<b>t</b>	<b>df</b>	<b>p value</b>
WT	3.161	10	0.020179
HET	2.544	7	0.038447
WT	5.723	9	0.000571
HET	1.674	10	0.125092
WT	7.071	7	0.000201
HET	7.881	7	0.000201
WT	4.812	8	0.001334
HET	9.265	7	0.000071
WT	3.823	9	0.00812
HET	2.791	7	0.026867
WT	2.807	11	0.017072
HET	4.263	11	0.002672

## Social novelty preference

*Seconds in proximity* Means ± SEM

		<b>stranger 1</b>	<b>stranger 2</b>
<b>Control males</b>	WT	68.88 ± 10.20	125.45 ± 9.88
	HET	64.55 ± 10.04	133.73 ± 17.43
<b>ELSD males</b>	WT	71.78 ± 10.06	137.16 ± 14.21
	HET	56.25 ± 8.98	167.87 ± 16.85
<b>PASD males</b>	WT	62.48 ± 7.41	120.98 ± 14.94
	HET	68.65 ± 10.37	95.31 ± 5.22
<b>Control females</b>	WT	64.03 ± 10.73	123.38 ± 10.09
	HET	98.38 ± 16.17	121.80 ± 13.61
<b>ELSD females</b>	WT	64.92 ± 7.41	118.66 ± 8.99
	HET	75.29 ± 13.98	111.31 ± 9.76
<b>PASD females</b>	WT	69.54 ± 10.67	90.07 ± 12.13
	HET	82.92 ± 13.20	117.41 ± 18.03

Paired t-test with Holm-Šídák correction

	<b>t</b>	<b>df</b>	<b>p value</b>
WT	4.588	10	0.001995
HET	2.663	7	0.032307
WT	3.581	9	0.005919
HET	5.955	10	0.000281
WT	3.955	7	0.010959
HET	2.003	7	0.085182
WT	3.93	8	0.008699
HET	1.057	7	0.325736
WT	5.147	9	0.001211
HET	1.677	7	0.137533
WT	1.092	11	0.298247
HET	1.781	11	0.194496