

Supplementary Table 2. Additional statistical analyses of percent time spent in each quadrant in during probe trials.

Probe Trial 1						
Group	Model	Effect	df	Error	F	p
Female E2 Controls	RM ANOVA	Within-subject: Quadrant	1.939	19.386	6.766	0.006
	Mauchly's test: p = 0.049	Pairwise comparisons				
		Target Quadrant vs Right Quadrant :				0.017
		Target Quadrant vs Left Quadrant :				0.632
		Target Quadrant vs Opposite Quadrant :				0.53
Female E2 CVS	RM ANOVA	Within-subject: Quadrant	1.699	18.69	1.167	0.325
	Mauchly's test: p = 0.043	Pairwise comparisons				
		Target Quadrant vs Right Quadrant :				0.221
		Target Quadrant vs Left Quadrant :				0.112
		Target Quadrant vs Opposite Quadrant :				0.997
Female E3 Controls	RM ANOVA	Within-subject: Quadrant	3	33	18.146	< 0.001
	Mauchly's test: p = 0.192	Pairwise comparisons				
		Target Quadrant vs Right Quadrant :				0.145
		Target Quadrant vs Left Quadrant :				< 0.001
		Target Quadrant vs Opposite Quadrant :				0.001
Female E3 CVS	RM ANOVA	Within-subject: Quadrant	3	39	7.777	< 0.001
	Mauchly's test: p = 0.054	Pairwise comparisons				
		Target Quadrant vs Right Quadrant :				0.121
		Target Quadrant vs Left Quadrant :				0.008
		Target Quadrant vs Opposite Quadrant :				0.001
Female E4 Controls	RM ANOVA	Within-subject: Quadrant	3	33	4.311	0.011
	Mauchly's test: p = 0.318	Pairwise comparisons				
		Target Quadrant vs Right Quadrant :				0.955
		Target Quadrant vs Left Quadrant :				0.011
		Target Quadrant vs Opposite Quadrant :				0.056
Female E4 CVS	RM ANOVA	Within-subject: Quadrant	3	30	4.863	0.007
	Mauchly's test: p = 0.310	Pairwise comparisons				
		Target Quadrant vs Right Quadrant :				0.169
		Target Quadrant vs Left Quadrant :				0.089
		Target Quadrant vs Opposite Quadrant :				0.17
Male E2 Controls	RM ANOVA	Within-subject: Quadrant	3	30	9.408	< 0.001
	Mauchly's test: p = 0.259	Pairwise comparisons				
		Target Quadrant vs Right Quadrant :				0.001
		Target Quadrant vs Left Quadrant :				0.622
		Target Quadrant vs Opposite Quadrant :				0.013
Male E2 CVS	RM ANOVA	Within-subject: Quadrant	3	45	5.27	0.003
	Mauchly's test: p = 0.096	Pairwise comparisons				
		Target Quadrant vs Right Quadrant :				0.854
		Target Quadrant vs Left Quadrant :				0.053
		Target Quadrant vs Opposite Quadrant :				0.062
Male E3 Controls	RM ANOVA	Within-subject: Quadrant	3	33	24.361	< 0.001
	Mauchly's test: p = 0.077	Pairwise comparisons				
		Target Quadrant vs Right Quadrant :				0.004
		Target Quadrant vs Left Quadrant :				< 0.001
		Target Quadrant vs Opposite Quadrant :				0.001
Male E3 CVS	RM ANOVA	Within-subject: Quadrant	3	39	12.642	< 0.001
	Mauchly's test: p = 0.272	Pairwise comparisons				
		Target Quadrant vs Right Quadrant :				0.002
		Target Quadrant vs Left Quadrant :				0.008
		Target Quadrant vs Opposite Quadrant :				0.005
Male E4 Controls	RM ANOVA	Within-subject: Quadrant	1.705	18.756	4.597	0.009
	Mauchly's test: p = 0.019	Pairwise comparisons				
		Target Quadrant vs Right Quadrant :				0.362
		Target Quadrant vs Left Quadrant :				0.001
		Target Quadrant vs Opposite Quadrant :				0.243
Male E4 CVS	RM ANOVA	Within-subject: Quadrant	3	33	17.342	< 0.001
	Mauchly's test: p = 0.386	Pairwise comparisons				
		Target Quadrant vs Right Quadrant :				0.01
		Target Quadrant vs Left Quadrant :				< 0.001
		Target Quadrant vs Opposite Quadrant :				0.003

Probe Trial 2

Model	Effect	df	Error	F	p
RM ANOVA	<u>Within-subject: Quadrant</u>	1.473	14.731	3.829	0.057
Mauchly's test: p = 0.001	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.186
	Target Quadrant vs Left Quadrant :				0.999
	Target Quadrant vs Opposite Quadrant :				0.743
RM ANOVA	<u>Within-subject: Quadrant</u>				
Mauchly's test: p = 0.114	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.861
	Target Quadrant vs Left Quadrant :				0.984
	Target Quadrant vs Opposite Quadrant :				0.761
RM ANOVA	<u>Within-subject: Quadrant</u>	3	33	7.685	< 0.001
Mauchly's test: p = 0.296	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.048
	Target Quadrant vs Left Quadrant :				0.988
	Target Quadrant vs Opposite Quadrant :				0.019
RM ANOVA	<u>Within-subject: Quadrant</u>	3	39	1.883	0.148
Mauchly's test: p = 0.664	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.483
	Target Quadrant vs Left Quadrant :				0.991
	Target Quadrant vs Opposite Quadrant :				0.999
RM ANOVA	<u>Within-subject: Quadrant</u>	3	33	1.539	0.223
Mauchly's test: p = 0.049	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.358
	Target Quadrant vs Left Quadrant :				1
	Target Quadrant vs Opposite Quadrant :				0.992
RM ANOVA	<u>Within-subject: Quadrant</u>	3	30	3.718	0.022
Mauchly's test: p = 0.063	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.035
	Target Quadrant vs Left Quadrant :				0.999
	Target Quadrant vs Opposite Quadrant :				0.974
RM ANOVA	<u>Within-subject: Quadrant</u>	3	30	6.962	0.001
Mauchly's test: p = 0.158	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.113
	Target Quadrant vs Left Quadrant :				0.248
	Target Quadrant vs Opposite Quadrant :				0.932
RM ANOVA	<u>Within-subject: Quadrant</u>	3	45	3.615	0.02
Mauchly's test: p = 0.106	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.807
	Target Quadrant vs Left Quadrant :				1
	Target Quadrant vs Opposite Quadrant :				0.036
RM ANOVA	<u>Within-subject: Quadrant</u>	3	33	12.869	< 0.001
Mauchly's test: p = 0.307	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.003
	Target Quadrant vs Left Quadrant :				0.518
	Target Quadrant vs Opposite Quadrant :				0.796
RM ANOVA	<u>Within-subject: Quadrant</u>	1.873	24.351	6.939	0.005
Mauchly's test: p = 0.011	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.513
	Target Quadrant vs Left Quadrant :				0.039
	Target Quadrant vs Opposite Quadrant :				0.679
RM ANOVA	<u>Within-subject: Quadrant</u>	3	33	8.168	< 0.001
Mauchly's test: p = 0.102	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.007
	Target Quadrant vs Left Quadrant :				0.26
	Target Quadrant vs Opposite Quadrant :				0.889
RM ANOVA	<u>Within-subject: Quadrant</u>	3	33	2.844	0.053
Mauchly's test: p = 0.346	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.57
	Target Quadrant vs Left Quadrant :				0.416
	Target Quadrant vs Opposite Quadrant :				0.982

Probe Trial 3

Model	Effect	df	Error	F	p
RM ANOVA	<u>Within-subject: Quadrant</u>	3	30	5.274	0.045
Mauchly's test: p = 0.406	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.997
	Target Quadrant vs Left Quadrant :				0.733
	Target Quadrant vs Opposite Quadrant :				0.171
RM ANOVA	<u>Within-subject: Quadrant</u>	3	33	6.15	0.002
Mauchly's test: p = 0.152	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				1
	Target Quadrant vs Left Quadrant :				0.949
	Target Quadrant vs Opposite Quadrant :				0.002
RM ANOVA	<u>Within-subject: Quadrant</u>	1.669	18.357	3.262	0.069
Mauchly's test: p = 0.022	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				1
	Target Quadrant vs Left Quadrant :				1
	Target Quadrant vs Opposite Quadrant :				0.52
RM ANOVA	<u>Within-subject: Quadrant</u>	3	39	6.272	0.001
Mauchly's test: p = 0.074	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.991
	Target Quadrant vs Left Quadrant :				0.884
	Target Quadrant vs Opposite Quadrant :				0.084
RM ANOVA	<u>Within-subject: Quadrant</u>	3	33	0.769	0.519
Mauchly's test: p = 0.166	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				1
	Target Quadrant vs Left Quadrant :				1
	Target Quadrant vs Opposite Quadrant :				0.916
RM ANOVA	<u>Within-subject: Quadrant</u>	3	30	3.701	0.022
Mauchly's test: p = 0.468	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.901
	Target Quadrant vs Left Quadrant :				0.245
	Target Quadrant vs Opposite Quadrant :				0.066
RM ANOVA	<u>Within-subject: Quadrant</u>	3	30	2.474	0.081
Mauchly's test: p = 0.739	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.99
	Target Quadrant vs Left Quadrant :				0.811
	Target Quadrant vs Opposite Quadrant :				0.625
RM ANOVA	<u>Within-subject: Quadrant</u>	2	45	1.457	0.239
Mauchly's test: p = 0.299	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				1
	Target Quadrant vs Left Quadrant :				0.901
	Target Quadrant vs Opposite Quadrant :				0.357
RM ANOVA	<u>Within-subject: Quadrant</u>	3	33	2.707	0.061
Mauchly's test: p = 0.252	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.196
	Target Quadrant vs Left Quadrant :				0.813
	Target Quadrant vs Opposite Quadrant :				0.966
RM ANOVA	<u>Within-subject: Quadrant</u>	3	39	5.355	0.003
Mauchly's test: p = 0.054	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.847
	Target Quadrant vs Left Quadrant :				1
	Target Quadrant vs Opposite Quadrant :				0.103
RM ANOVA	<u>Within-subject: Quadrant</u>	3	33	15.771	< 0.001
Mauchly's test: p = 0.276	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				1
	Target Quadrant vs Left Quadrant :				0.984
	Target Quadrant vs Opposite Quadrant :				0.004
RM ANOVA	<u>Within-subject: Quadrant</u>	1.78	19.581	3.174	0.069
Mauchly's test: p < 0.001	<u>Pairwise comparisons</u>				
	Target Quadrant vs Right Quadrant :				0.426
	Target Quadrant vs Left Quadrant :				0.878
	Target Quadrant vs Opposite Quadrant :				0.051