

Supplementary material

Changes in temporal cues elicit rhythmic discrimination in rats (*Rattus norvegicus*)

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Table S1. Total number of nose-poking responses to familiar and novel test sequences in the Interval Constant test.

Subject	Group	Familiar	Novel
1	LSS	91	103
2	LSS	114	118
3	LSS	89	97
4	LSS	102	79
9	LSS	99	83
10	LSS	81	74
11	LSS	117	119
12	LSS	89	104
17	LSS	89	80
18	LSS	119	89
19	LSS	95	87
20	LSS	97	95
25	LSS	94	108
26	LSS	113	92
27	LSS	126	109
28	LSS	124	129
33	LSS	70	70
34	LSS	124	110
35	LSS	106	73
36	LSS	108	99
5	LS	87	70
6	LS	81	64
7	LS	111	101
8	LS	45	69
13	LS	86	71
14	LS	101	82
15	LS	116	104
16	LS	96	109
21	LS	92	73
22	LS	99	88
23	LS	84	83
24	LS	84	106
29	LS	78	91
30	LS	82	82
31	LS	84	89
32	LS	38	37
37	LS	100	114
38	LS	94	69
39	LS	66	39
40	LS	75	70

Table S2. Total number of nose-poking responses to familiar and novel test sequences in the Grouping Constant test.

Subject	Group	Familiar	Novel
1	LSS	114	104
2	LSS	127	120
3	LSS	77	71
4	LSS	71	67
9	LSS	110	94
10	LSS	91	71
11	LSS	113	121
12	LSS	84	94
17	LSS	95	82
18	LSS	96	106
19	LSS	105	99
20	LSS	123	100
25	LSS	107	106
26	LSS	103	118
27	LSS	109	107
28	LSS	124	113
33	LSS	68	56
34	LSS	109	123
35	LSS	97	92
36	LSS	85	77
5	LS	75	72
6	LS	96	75
7	LS	109	99
8	LS	49	63
13	LS	87	90
14	LS	93	112
15	LS	101	99
16	LS	112	105
21	LS	99	87
22	LS	113	93
23	LS	106	99
24	LS	126	91
29	LS	79	76
30	LS	99	82
31	LS	115	98
32	LS	43	43
37	LS	105	119
38	LS	60	60
39	LS	88	76
40	LS	78	76

Table S3. Total number of nose-poking responses to familiar and novel test sequences in the Meter Constant test.

Subject	Group	Familiar	Novel
1	LSS	110	98
2	LSS	123	107
3	LSS	89	59
4	LSS	71	51
9	LSS	79	93
10	LSS	84	100
11	LSS	122	111
12	LSS	102	111
17	LSS	107	112
18	LSS	116	86
19	LSS	124	114
20	LSS	112	95
25	LSS	85	82
26	LSS	101	101
27	LSS	107	101
28	LSS	144	115
33	LSS	99	86
34	LSS	149	141
35	LSS	104	92
36	LSS	73	101
5	LS	80	66
6	LS	97	79
7	LS	112	102
8	LS	54	77
13	LS	86	62
14	LS	96	71
15	LS	95	94
16	LS	113	118
21	LS	95	77
22	LS	106	101
23	LS	126	111
24	LS	127	113
29	LS	86	83
30	LS	100	91
31	LS	117	88
32	LS	62	72
37	LS	126	118
38	LS	75	83
39	LS	104	112
40	LS	110	83

Table S4. Total number of nose-poking responses to familiar and novel test sequences in the two Generalization test sessions.

Subject	Group	Session 1		Session 2	
		Familiar	Novel	Familiar	Novel
1	LSS	104	115	79	109
2	LSS	140	137	124	127
3	LSS	75	84	94	95
4	LSS	69	64	79	77
9	LSS	78	86	91	101
10	LSS	94	61	94	91
11	LSS	109	137	92	99
12	LSS	97	106	53	80
17	LSS	122	111	92	94
18	LSS	102	94	112	75
19	LSS	118	112	114	119
20	LSS	110	123	109	109
25	LSS	98	96	87	92
26	LSS	99	108	109	87
27	LSS	80	75	109	113
28	LSS	115	104	130	117
33	LSS	99	99	103	93
34	LSS	119	122	132	135
35	LSS	94	80	63	94
36	LSS	88	97	45	69
5	LS	74	79	76	68
6	LS	77	89	73	80
7	LS	121	116	126	126
8	LS	62	69	76	33
13	LS	80	87	84	80
14	LS	93	95	85	81
15	LS	112	92	110	90
16	LS	109	107	108	105
21	LS	107	93	90	92
22	LS	103	94	109	116
23	LS	118	114	105	112
24	LS	87	113	106	108
29	LS	111	97	99	93
30	LS	81	53	79	80
31	LS	134	134	137	99
32	LS	83	83	54	58
37	LS	86	81	100	101
38	LS	62	47	88	104
39	LS	94	88	114	99
40	LS	45	70	97	105

Table S5. Repeated Measures ANOVA to Interval, Grouping and Meter tests.*Within Subjects Effects*

Cases	Sphericity Correction	Sum of Squares	df	Mean Square	F	p	η^2_p
Familiarity	None	2143.511	1.000	2143.511	32.052	< .001	0.485
Familiarity * Group	None	9.288	1.000	9.288	0.139	0.712	0.004
Residuals	None	2273.763	34.000	66.875			
Test	None	305.431 ^a	2.000 ^a	152.716 ^a	0.562 ^a	0.572 ^a	0.016
	Huynh-Feldt	305.431	1.766	172.971	0.562	0.552	0.016
Test * Group	None	253.265 ^a	2.000 ^a	126.632 ^a	0.466 ^a	0.629 ^a	0.014
	Huynh-Feldt	253.265	1.766	143.428	0.466	0.606	0.014
Residuals	None	18463.559	68.000	271.523			
	Huynh-Feldt	18463.559	60.037	307.536			
Familiarity * Test	None	94.679	2.000	47.339	0.421	0.658	0.012
	Huynh-Feldt	94.679	1.986	47.676	0.421	0.657	0.012
Familiarity * Test * Group	None	32.734	2.000	16.367	0.145	0.865	0.004
	Huynh-Feldt	32.734	1.986	16.484	0.145	0.864	0.004
Residuals	None	7651.367	68.000	112.520			
	Huynh-Feldt	7651.367	67.520	113.320			

Note. Sphericity corrections not available for factors with 2 levels.

Note. Type III Sum of Squares

^a Mauchly's test of sphericity indicates that the assumption of sphericity is violated ($p < .05$).

Between Subjects Effects

Cases	Sum of Squares	df	Mean Square	F	p	η^2_p
Group	2851.609	1	2851.609	2.752	0.106	0.075
Residuals	35235.998	34	1036.353			

Note. Type III Sum of Squares