

Supplementary material

Using isochrony, but not meter, to discriminate rhythmic sequences in rats

(Rattus norvegicus)

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Table 1. Total number of responses to familiar (duple or triple meter) and unfamiliar (isotonic) test sequences in the Isotonic tests.

Rat	Group	Session 1		Session 2	
		Familiar	Unfamiliar	Familiar	Unfamiliar
1	Duple	39	34	50	58
2	Duple	81	66	79	85
3	Duple	39	52	12	36
4	Duple	35	20	37	31
9	Duple	40	29	41	34
10	Duple	28	31	33	15
11	Duple	40	56	72	50
12	Duple	13	15	33	48
17	Duple	38	43	37	38
18	Duple	55	33	37	46
19	Duple	38	32	35	49
20	Duple	35	43	42	36
25	Duple	33	48	58	60
26	Duple	68	59	85	85
27	Duple	12	31	50	62
28	Duple	62	46	80	75
33	Duple	23	10	43	57
34	Duple	61	45	50	61
35	Duple	63	60	75	85
36	Duple	53	43	4	3
5	Triple	53	40	50	32
6	Triple	18	32	35	26
7	Triple	55	21	57	46
8	Triple	32	24	5	25
13	Triple	16	29	37	33
14	Triple	35	44	50	44
15	Triple	15	16	48	35
16	Triple	44	45	54	73
21	Triple	29	44	33	50
22	Triple	61	63	76	67
23	Triple	67	47	61	52
24	Triple	65	34	39	49
29	Triple	32	63	44	56
30	Triple	33	27	46	41
31	Triple	42	53	38	36
32	Triple	40	70	29	33
37	Triple	30	57	87	60
38	Triple	15	32	76	59
39	Triple	51	38	47	55
40	Triple	49	31	25	42

Table 2. Total number of responses to familiar and unfamiliar test sequences in the Binary vs. Ternary tests. For Duple group of rats, familiar sequences were duple and unfamiliar sequences were triple. For Triple group of rats, familiar sequences were triple and unfamiliar sequences were duple.

Rat	Group	Session 1		Session 2		Session 3	
		Familiar	Unfam.	Familiar	Unfam.	Familiar	Unfam.
1	Duple	43	33	78	50	58	68
2	Duple	102	103	60	99	94	93
3	Duple	54	56	42	55	58	65
4	Duple	57	43	49	70	87	88
9	Duple	34	20	70	43	70	48
10	Duple	19	26	45	27	32	17
11	Duple	99	88	86	65	99	109
12	Duple	16	60	28	70	96	89
17	Duple	76	47	54	60	89	79
18	Duple	59	47	65	47	75	71
19	Duple	48	68	77	67	87	85
20	Duple	58	43	27	44	76	78
25	Duple	42	39	72	57	55	56
26	Duple	88	83	77	62	93	71
27	Duple	59	70	60	74	51	64
28	Duple	102	83	94	85	66	80
33	Duple	60	55	57	65	45	56
34	Duple	56	53	52	71	67	86
35	Duple	92	54	94	86	60	96
36	Duple	43	56	50	49	68	74
5	Triple	60	44	56	54	51	55
6	Triple	50	44	39	51	86	35
7	Triple	56	53	62	69	64	45
8	Triple	69	25	44	25	26	51
13	Triple	44	67	71	55	67	72
14	Triple	52	38	72	67	88	106
15	Triple	59	54	85	64	68	62
16	Triple	63	64	41	91	70	84
21	Triple	73	74	38	48	56	39
22	Triple	74	63	70	78	66	65
23	Triple	58	70	95	81	79	77
24	Triple	77	78	89	78	72	104
29	Triple	41	52	50	50	78	72
30	Triple	51	68	65	59	87	91
31	Triple	51	59	72	52	60	55
32	Triple	41	11	35	38	64	60
37	Triple	81	53	85	35	84	90
38	Triple	35	43	35	45	36	68
39	Triple	53	66	77	64	69	65
40	Triple	33	40	57	46	54	78

Table 3. Total number of responses to familiar (duple or triple meter) and unfamiliar (non-isochronous) test sequences in the Non-isochronous tests (Session 1 and 2) and generalization test (Session 3).

Rat	Group	Session 1		Session 2		Session 3	
		Familiar	Unfam.	Familiar	Unfam.	Familiar	Unfam.
1	Duple	68	62	58	53	98	60
2	Duple	110	98	112	109	107	112
3	Duple	56	67	70	56	50	73
4	Duple	61	47	73	80	47	68
9	Duple	52	44	53	56	83	73
10	Duple	38	16	8	17	13	18
11	Duple	95	91	110	97	93	114
12	Duple	85	66	79	84	71	83
17	Duple	60	71	63	57	35	44
18	Duple	58	73	60	65	73	51
19	Duple	90	68	109	67	69	105
20	Duple	71	67	87	81	56	67
25	Duple	54	56	42	61	63	76
26	Duple	93	87	89	83	77	56
27	Duple	71	73	84	83	88	87
28	Duple	116	96	98	97	104	89
33	Duple	42	49	86	72	67	66
34	Duple	98	75	95	99	87	80
35	Duple	80	77	97	82	84	79
36	Duple	42	26	65	32	57	62
5	Triple	65	57	61	45	43	30
6	Triple	69	52	66	43	41	53
7	Triple	90	70	81	80	42	85
8	Triple	4	3	27	27	38	36
13	Triple	67	66	72	69	60	65
14	Triple	114	74	82	107	100	74
15	Triple	60	53	75	62	77	60
16	Triple	62	55	72	54	32	75
21	Triple	32	53	102	80	73	44
22	Triple	93	82	93	93	85	108
23	Triple	103	76	108	99	94	77
24	Triple	98	115	117	115	69	89
29	Triple	55	54	61	66	67	56
30	Triple	77	73	75	75	67	64
31	Triple	68	50	81	79	77	65
32	Triple	46	26	44	39	39	56
37	Triple	77	92	97	68	74	69
38	Triple	38	67	58	37	81	68
39	Triple	73	89	58	58	21	23
40	Triple	78	53	40	78	31	31