

Supplementary data to:

**EVEROLIMUS, A MAMMALIAN TARGET OF RAPAMYCIN
INHIBITOR, AMELIORATED STREPTOZOTOCIN-INDUCED
LEARNING AND MEMORY DEFICITS VIA NEUROCHEMICAL
ALTERATIONS IN MALE RATS**

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Supplementary Table 1 (to Figure 2): Effects of 7 days or 21 days administration of Everolimus (EVR) on passive avoidance memory of streptozotocin (STZ)-induced Alzheimer's disease (AD) rats.

Group	Animal number	Before shock (sec)	3 h after shock (sec)	24 h after shock (sec)
Sham	1	5	200	220
	2	8	280	150
	3	40	300	280
	4	5	155	140
	5	4	300	300
	6	14	300	295
	7	5	222	235
	8	4	245	260
	9	18	212	192
	10	2	287	278
	Mean ± SEM	10.5 ± 3.64	250.1 ± 16.17	235 ± 18.45
STZ	1	4	5	8
	2	4	6	5
	3	6	60	45
	4	44	12	5
	5	45	100	85
	6	3	75	60
	7	6	100	49
	8	4	45	38
	9	5	2	4
	10	10	3	6
	11	5	4	2
	12	59	85	73
	Mean ± SEM	16.25 ± 5.87	41.41 ± 11.71	31.66 ± 8.77
STZ + EVR (1 mg/kg, 7 days)	1	7	4	39
	2	45	250	280
	3	30	5	57
	4	50	130	150
	5	30	150	3
	6	49	294	296
	7	21	43	14
	8	38	71	57
	9	44	208	108
	10	10	21	53
	Mean ± SEM	32.4 ± 4.94	117.6 ± 33.44	105.7 ± 33.24
STZ + EVR (5 mg/kg, 7 days)	1	59	300	300
	2	5	300	180
	3	5	300	300
	4	7	300	300
	5	4	5	10
	6	4	64	29
	7	58	300	296
	8	27	300	292
	9	4	294	252
	Mean ± SEM	19.22 ± 7.81	240.33 ± 39.21	217.66 ± 39.67
STZ + EVR (1 mg/kg, 21 days)	1	8	300	250
	2	5	100	86
	3	5	253	210
	4	5	100	85
	5	14	157	113
	6	5	253	210
	7	12	160	88
	8	3	273	190
	9	7	87	110

	10	6	253	245
	Mean ± SEM	7 ± 1.09	193.6 ± 25.72	158.7 ± 21.65
STZ + EVR (5 mg/kg, 21 days)	1	5	300	285
	2	4	10	150
	3	14	300	300
	4	6	300	300
	5	6	250	198
	6	11	253	267
	7	6	296	271
	8	11	16	125
	9	4	293	300
	10	3	300	269
	Mean ± SEM	7.00 ± 1.16	231.8 ± 36.97	246.5 ± 20.55
EVR (5 mg/kg, 21 days)	1	35	250	300
	2	38	300	150
	3	10	60	72
	4	5	263	211
	5	8	230	242
	6	7	242	234
	7	33	300	250
	8	9	243	72
	9	25	10	46
	10	48	282	253
	Mean ± SEM	21.8 ± 5	218 ± 31.65	183 ± 28.76

Supplementary Table 2 (to Figure 3): Effects of 7 days or 21 days administration of EVR on escape latency of STZ-induced AD rats in Morris water maze (MWM) task.

Group name	Animal number	Trials	Day 1 (sec)	Day 2 (sec)	Day 3 (sec)	Day 4 (sec)	Day 5 (sec)
Sham	1	1	59.77	24.8	25.63	16.63	17.97
		2	59.73	29.67	4.83	9.97	7.13
		3	59.73	6.67	1.73	22.43	12.03
		4	30.90	22.5	21	3.97	15.40
	2	1	59.77	12.53	3	2.6	15.77
		2	29.4	18.77	5.8	18.03	7.57
		3	5	10	6.73	0.87	5.67
		4	29.07	11.7	2.03	23.77	5.1
	3	1	52.8	11	7.6	3.07	20.25
		2	7.17	6.5	10.6	30.17	2.1
		3	15.53	5.03	4.23	4.2	14.23
		4	12.83	10.6	2.07	7.9	10.77
	4	1	59.17	8.1	58.9	25.5	24.27
		2	59.73	5.5	3.63	13.3	19.57
		3	59.73	34.07	4.6	19.97	3.47
		4	59.73	18.17	2.7	3.97	3.57
	5	1	59.77	25.4	14.4	4.7	1.73
		2	32.97	15.1	17.73	23.3	5.6
		3	11.03	27.87	2.03	2.87	2.37
		4	38.6	8.57	8.93	13.07	12.2
	6	1	59.73	19.8	14.2	9	4.8
		2	42.03	6.83	1.77	6.1	8.07
		3	18.3	33.9	16.4	3.3	14
		4	19.27	10.98	1.33	14	5.8
	7	1	59.03	8	2.53	9	5.27
		2	25.67	24.53	4.77	1.27	1.73
		3	36.9	18.77	18.17	3.07	3.53
		4	59.77	21.8	22	1.83	1.83
	8	1	45.47	9.93	11.33	14	10.87
		2	40.8	59.73	4.97	12.37	5.4
		3	59.73	35.2	1.43	3.47	16.7
		4	48	13.07	25.07	20.73	3.13
	9	1	59.73	25.59	29.39	17.62	21.47
		2	43.56	31.03	8.31	16.78	3.75
		3	4.17	5.15	1.33	1.76	12.55
		4	35.72	7.46	3.36	6.26	1.88
	10	1	59.77	34.62	26.63	20.81	12.12
		2	53.92	22.52	10.08	1.4	8.26
		3	29.5	6.77	1.45	3.39	4.11
		4	39.5	10.60	6.86	19.04	7.79
		Mean ± SEM	41.08 ± 2.95	17.97 ± 1.85	10.49 ± 1.79	10.88 ± 1.31	8.99 ± 0.99
STZ	1	1	59.77	59.77	15.57	19.4	40.77
		2	59.77	38.73	32.17	17.83	33.43
		3	59.77	19.63	15.6	16.57	52.33
		4	59.77	48.8	29.57	27.17	13.23
	2	1	59.73	59.73	15.6	14.9	25.77
		2	59.77	59.77	44.47	30	32.27
		3	9.33	13.17	13.43	59.77	17.97
		4	59.77	30.87	11.43	17.13	17.4
	3	1	59.73	59.77	59.77	21.03	28
		2	19.73	13.63	19.7	34.63	15.2
		3	30.27	56.23	11.4	16.8	16.97

	4	10.37	26.83	14.77	36	16.13	
4	1	26.03	23.87	16.1	15.3	38.67	
	2	59.73	28.2	13.83	16.17	10.67	
	3	35.53	8.4	27.2	39.7	14.97	
	4	16.3	37.87	41	15.57	13.6	
5	1	59.77	36.97	34.4	20.3	17.4	
	2	16.37	38.5	14	17.8	17.77	
	3	6.47	59.77	15	16.37	14.5	
	4	20.4	27.2	14.2	30	13.3	
6	1	59.77	59.77	17.5	17.5	24.97	
	2	59.73	11.8	14.03	32.3	14.73	
	3	33.23	33.93	53.8	15.4	14.53	
	4	59.77	59.77	59.77	16.3	25.9	
7	1	59.73	59.77	32.3	48.07	59.77	
	2	59.77	59.77	59.77	59.73	53.93	
	3	59.73	59.77	59.77	48.27	13.63	
	4	59.77	59.77	59.77	59.77	59.77	
8	1	46.37	14.5	15	13.2	59.77	
	2	59.77	14.9	13	19.7	16.5	
	3	20.8	13.93	32.8	18.97	15.3	
	4	22.83	19.17	19.77	14.67	14.43	
9	1	59.77	59.77	25.37	17.43	10.8	
	2	59.77	49.03	11	18.47	42.97	
	3	59.77	27.17	12	16	27.17	
	4	59.73	32.43	42.17	18.53	14.17	
10	1	59.77	15.8	59.73	39.9	15.8	
	2	59.77	26.77	59.77	15.2	9.2	
	3	59.73	59.77	12.13	15	14.8	
	4	59.77	31.07	10.43	16.03	7.27	
11	1	59.77	59.73	59.77	59.77	55.2	
	2	59.77	19.87	26.4	20.8	46.27	
	3	59.77	59.77	59.73	59.77	59.73	
	4	59.73	59.77	59.73	59.77	59.77	
12	1	59.73	59.77	40.97	32.1	26.27	
	2	59.77	32.1	43.6	20.8	23.6	
	3	59.73	17.83	29.2	13.37	23.8	
	4	59.77	25.2	12.2	11	10	
	Mean ± SEM	48.87 ± 2.61	38.55 ± 2.67	30.43 ± 2.67	26.67 ± 2.23	26.46 ± 2.39	
STZ + EVR (1 mg/kg, 7 days)	1	1	59.77	17.67	42.27	38.33	16.07
		2	59.77	59.73	9	5.57	15
		3	33.4	18.3	10.13	14.43	18.17
		4	59.73	15.5	51.77	15.43	15.47
	2	1	59.73	59.77	6.3	13.1	22.33
		2	33.4	20.22	54.4	59.77	43.5
		3	59.77	59.43	59.73	32.6	17.97
		4	20.1	59.77	15	59.77	40.43
	3	1	59.77	15.2	51.7	22.97	31.87
		2	59.73	16.63	9.17	12.17	25.36
		3	22.17	41.6	24	13.25	18.32
		4	59.73	48.63	4.73	12.32	15.57
	4	1	59.77	54.33	40	32.9	17.77
		2	59.77	10.97	23	22.63	18.37
		3	25.3	14.35	20.13	37.9	20.32
		4	59.77	55.5	54	26.97	18.43
	5	1	59.77	32	35	41.5	20.12
		2	59.77	59.77	23.97	16.13	18.2
		3	37.8	12	7.03	13.2	25.36
		4	59.77	35	39.83	18.77	37.27

6	1	59.77	59.77	36.53	37.85	43.44	
	2	53.67	39.98	39.46	35.95	15.29	
	3	22.51	34.8	4.45	6.29	23.63	
	4	57.57	49.1	32.17	19.82	18.02	
7	1	45.65	39.64	37.51	51.54	20.38	
	2	38.18	57.53	3.75	40.88	15.19	
	3	35.03	56.96	13.63	31.25	19.17	
	4	55.80	15.81	10.90	15.80	23.22	
8	1	59.77	59.73	53.98	49.98	35.30	
	2	56.02	27.65	3.63	26.38	15.83	
	3	40.6	7.11	47.53	14.22	25.41	
	4	59.31	33.94	45.76	20.08	19.69	
9	1	50.79	46.57	31.99	20.44	32.83	
	2	59.77	13.76	46.40	19.46	23.64	
	3	18.09	6.01	49.49	15.56	24.62	
	4	56.42	30.45	13.02	4.34	17.55	
10	1	59.77	59.77	59.77	57.00	33.30	
	2	50.56	43.44	5.20	5.70	3.50	
	3	25.1	7.45	24.73	23.75	23.28	
	4	16.11	15.21	20.62	13.30	22.51	
	Mean ± SEM	48.23 ± 2.38	35.27 ± 3.04	29.04 ± 2.92	25.48 ± 2.43	22.79 ± 1.34	
STZ + EVR (5 mg/kg, 7 days)	1	1	35.47	3.33	19.73	18.97	54.8
		2	59.77	14.3	2.8	2.17	7
		3	37.17	3.2	46.5	2.77	14.07
		4	59.77	4.3	14.93	5.23	16.50
2	1	59.77	59.77	58.83	6.1	5.73	
	2	50.93	11.5	14.07	11.23	18.01	
	3	59.77	18.67	11.53	0.8	7.33	
	4	14.57	19.97	39.77	5.17	29.27	
3	1	42.03	38.9	19.23	1.77	12.9	
	2	4.47	15.7	18.83	31	11.63	
	3	42.17	23.97	11.47	10.1	9.8	
	4	59.73	18.57	8.83	21.83	4.47	
4	1	59.73	52.17	14.63	59.73	44.8	
	2	23.77	23.87	16.77	5.73	5.33	
	3	59.77	32.73	8.03	45.47	2.9	
	4	59.77	2.27	6.13	10.1	5.98	
5	1	59.77	59.77	10.83	9.8	6.3	
	2	1.23	6.57	11	9.03	15.2	
	3	59.77	53.8	14.57	5.07	2.07	
	4	4.7	15.6	6.47	11.2	11.5	
6	1	59.77	43.54	26.57	6.12	16.61	
	2	59.77	19.11	28.01	7.80	13.83	
	3	45.06	19.00	16.52	16.36	3.58	
	4	21.03	2.3	37.22	17.96	6.53	
7	1	54.00	43.9	40.85	24.24	2.74	
	2	59.77	1.61	23.75	3.49	15.34	
	3	59.77	27.55	6.80	17.47	10.59	
	4	54.65	3.1	36.02	3.08	1.83	
8	1	59.77	55.95	31.16	52.44	47.33	
	2	27.61	15.99	8.00	8.11	13.16	
	3	20.97	27.7	3.19	1.911	31.97	
	4	58.38	15.3	1.97	6.37	6.13	
9	1	50.19	59.77	13.58	13.95	19.79	
	2	3.6	28.29	2.18	34.10	2.64	
	3	12.63	11.05	12.05	14.86	10.77	
	4	31.47	13.27	3.1	2.84	1.6	

		Mean ± SEM	42.57 ± 3.40	24.06 ± 3.09	17.94 ± 2.30	14.01 ± 2.39	13.61 ± 2.16
STZ + EVR (1 mg/kg, 21 days)	1	1	47	21.3	5	15.67	7.37
		2	59.77	2.93	9.77	23.93	2.37
		3	37.13	10.07	3.93	9.43	0.87
		4	14.73	4.1	18.07	13.27	3.2
	2	1	59.77	58.2	18.77	6.37	24.27
		2	59.77	2.07	2.07	4.77	6.93
		3	34.13	8.5	11.2	6.67	20.07
		4	59.73	13.27	5.4	8.73	1.2
	3	1	59.73	56.13	25.6	13.87	3.53
		2	59.77	9.57	41.1	3.77	4.6
		3	59.77	3.37	2.87	1.17	8.13
		4	3.3	6.4	6.63	4.03	1.97
	4	1	59.77	54.57	1.6	14.7	10.4
		2	35.07	26	5.07	10.73	5.17
		3	55.03	4.27	4.7	6.97	3.2
		4	12.83	2.63	4.5	1.5	23.1
	5	1	59.73	59.77	3.03	4.83	6.6
		2	59.77	40.53	31.47	4.27	7.67
		3	38.87	19.23	59.77	59.73	23.63
		4	57.2	2.07	59.77	42.6	4.33
	6	1	56.08	59.77	24.22	21.12	15.21
		2	41.96	22.90	13.22	11.69	15.54
		3	23.76	37.43	2.00	2.03	5.03
		4	33.790	11.58	2.76	38.54	2.99
	7	1	59.77	57.24	13.27	2.03	16.2
		2	22.45	15.95	6.8	14.84	23.75
		3	57.46	10.78	13.34	5.39	1.49
		4	47.33	30.56	3.30	10.65	2.30
	8	1	57.98	55.32	28.06	2.87	1.77
		2	7.99	2.65	19.20	35.47	2.80
		3	34.6	2.3	27.63	1.86285	4.20
		4	59.77	39.10	8.66	1.72	8.26
	9	1	59.48	16.03	26.81	20.60	16.16
		2	59.03	5.63	7.55	9.93	4.23
		3	37.79	3.7	14.14	3.27	11.49
		4	59.77	8.42	59.77	2.57	2.10
	10	1	57.60	20.49	22.83	6.55	15.31
		2	34.36	2.56	25.18	24.26	5.92
		3	59.77	7.00	1.87	32.62	13.76
		4	59.77	2.84	2.12	18.71	2.15
		Mean ± SEM	46.58 ± 2.67	20.43 ± 3.17	16.07 ± 2.54	13.09 ± 2.08	8.48 ± 1.14
STZ + EVR (5 mg/kg, 21 days)	1	1	59.77	15.43	16.4	4.07	12.67
		2	9.5	4.97	7.97	2.03	4.23
		3	36.03	33.8	2.03	5.57	3.6
		4	59.77	28.7	11.8	10.43	5.07
	2	1	48.53	37.46	22.53	13.1	18.03
		2	37.8	11.33	18.47	1.4	4.77
		3	59.77	39.77	23.63	4.53	0.6
		4	59.77	16.57	8	16.87	27.2
	3	1	30.23	3.67	4.33	2.53	25
		2	26.37	30.77	7.4	12.57	3.3
		3	25.67	17.33	12.2	1.13	2.4
		4	49.5	1.33	14.7	8.63	5.17
	4	1	59.77	28.73	19.73	36.4	15.43
		2	59.77	40.77	21.6	28	29.77
		3	59.77	40.1	23.66	39.77	11.8

	4	46.9	29.73	17.46	26	1.23	
5	1	48.83	38.23	31.32	17.59	16.15	
	2	59.77	19.71	20.95	30.42	3.94	
	3	31.79	23.81	22.45	9.11	2.03	
	4	59.77	26.10	12.85	1.70	8.83	
6	1	59.77	26.77	5.91	36.56	32.16	
	2	24.71	30.94	22.98	27.34	24.03	
	3	43.26	6.10	7.18	1.77	2.9	
	4	22.06	32.86	12.02	14.29	8.72	
7	1	59.77	10.91	26.62	29.90	30.33	
	2	21.76	20.68	10.62	36.34	11.04	
	3	59.77	22.55	2.14	1.64	16.61	
	4	49.25	5.47	9.95	7.89	3.95	
8	1	39.01	26.34	13.94	7.58	12.56	
	2	49.10	39.73	11.37	32.35	2.30	
	3	53.51	12.98	13.76	8.06	7.21	
	4	59.77	39.57	10.25	11.18	8.01	
9	1	59.77	46.71	5.15	7.56	12.9	
	2	48.30	9.5	17.59	5.31	4.93	
	3	37.82	5.49	13.54	1.87	12.06	
	4	58.97	22.37	11.00	6.08	11.96	
10	1	45.89	47.59	21.39	12.44	14.07	
	2	38.00	11.39	13.56	5.94	7.29	
	3	27.02	3.73	12.38	2.89	2.3	
	4	26.57	41.04	18.81	7.51	2.04	
	Mean ± SEM	45.33 ± 2.29	23.77 ± 2.14	14.49 ± 1.1	13.41 ± 1.89	10.71 ± 1.39	
EVR (5 mg/kg, 21 days)	1	1	59.77	23.43	29.93	4.13	27.07
		2	45.83	22.77	10.93	11.17	7.3
		3	34.5	17.77	16.93	10	4.27
		4	5.37	17.17	3.47	5.93	3.1
	2	1	59.77	13.1	15.07	13.87	2.87
		2	12	26.27	4.4	29.77	8.63
		3	59.73	10.1	1.47	6.4	1.8
		4	59.77	11.65	9.57	1.5	2.6
	3	1	59.77	29.77	22.07	19.03	9.43
		2	59.77	9.27	25.4	2.5	1.17
		3	59.77	4.17	22.57	5.13	1.7
		4	59.73	1.07	8.37	3.3	1.6
	4	1	59.73	24.83	11.40	17.24	10.05
		2	29.34	17.15	6.79	2.84	1.41
		3	56.31	11.05	2.55	24.77	18.77
		4	52.08	2.97	16.76	3.20	23.78
	5	1	59.77	14.81	8.38	3.01	5.08
		2	39.95	13.03	8.54	18.26	6.12
		3	49.22	9.88	2.47	2.93	1.26
		4	59.84	11.85	10.14	16.35	1.36
	6	1	59.77	26.64	36.22	5.4	2.29
		2	8.50	33.72	16.35	4.16	3.81
		3	19.36	26.64	16.68	1.74	7.93
		4	59.77	15.37	15.81	14.16	5.81
	7	1	54.91	4.65	5.49	13.50	6.02
		2	59.77	11.68	6.36	14.64	1.74
		3	20.71	19.48	14.52	18.96	4.14
		4	31.43	32.58	25.83	6.49	9.45
	8	1	59.77	21.09	9.65	13.04	2.94
		2	25.94	27.21	30.75	2.548	13.58
		3	46.34	19.04	5.07	2.77	4.44
		4	51.82	17.48	34.36	3.98	3.84

9	1	59.77	17.55	11.84	15.15	15.29
	2	52.10	10.55	18.67	10.02	5.12
	3	51.55	3.49	23.01	3.25	4.55
	4	59.77	5.00	20.16	1.98	1.44
10	1	59.77	17.47	10.10	13.05	15.56
	2	42.55	10.78	5.37	15.30	9.29
	3	59.77	4.40	14.25	10.48	2.57
	4	44.85	4.73	10.39	10.92	4.73
	Mean ± SEM	47.76 ± 2.58	15.54 ± 1.37	14.20 ± 1.43	9.57 ± 1.11	6.59 ± 0.97

Supplementary Table 3 (to Figure 4): Effects of 7 days or 21 days administration of EVR on time spent in target quadrant of STZ-induced AD rats in Morris water maze (MWM) task.

Group name	Animal number	trials	Time in target quadrant (sec)
Sham	1	1	29.93
		2	30.50
		3	25.73
		4	24.17
	2	1	24.27
		2	23.30
		3	20.03
		4	24.96
	3	1	25.67
		2	21.10
		3	30.43
		4	23.23
	4	1	34.23
		2	30.73
		3	28.63
		4	22.47
	5	1	28.10
		2	24.60
		3	20.63
		4	23.35
	6	1	32.97
		2	30.47
		3	19.63
		4	29.57
	7	1	28.50
		2	22.77
		3	28.27
		4	25.97
	8	1	21.93
		2	25.47
		3	26.00
		4	30.30
	9	1	24.58
		2	29.33
		3	23.30
		4	23.50
	10	1	26.61
		2	32.12
		3	20.57
		4	29.44
		Mean ± SEM	26.18 ± 0.60
STZ	1	1	17.23
		2	20.83
		3	15.90
		4	18.23
	2	1	21.80
		2	25.77
		3	22.87
		4	10.60
	3	1	21.57
		2	18.93
		3	17.20
	4	4	11.23
		1	19.83
		2	24.63

		3	16.23
		4	17.33
		1	20.73
5		2	16.73
		3	11.20
		4	10.50
6		1	16.70
		2	20.40
		3	21.57
		4	10.90
7		1	11.43
		2	15.50
		3	18.00
		4	15.50
8		1	26.40
		2	18.27
		3	25.53
		4	21.30
9		1	25.67
		2	16.77
		3	14.57
		4	17.97
10		1	14.67
		2	24.83
		3	12.60
		4	19.33
11		1	18.03
		2	22.20
		3	17.27
		4	17.97
12		1	24.09
		2	14.77
		3	19.14
		4	14.95
		Mean ± SEM	18.24 ± 0.62
STZ + EVR (1 mg/kg, 7 days)	1	1	10.60
		2	24.63
		3	26.40
		4	15.53
	2	1	12.07
		2	17.80
		3	24.27
		4	21.03
	3	1	25.90
		2	20.33
		3	19.57
		4	13.70
4	1	27.23	
	2	24.10	
	3	24.77	
	4	22.13	
5	1	10.50	
	2	25.60	
	3	16.70	
	4	18.40	
6	1	24.37	
	2	23.74	
	3	18.96	
	4	23.22	

		1	16.02
		2	13.39
	7	3	17.98
		4	30.40
		1	19.27
		2	21.35
	8	3	29.86
		4	19.15
		1	24.76
		2	10.01
	9	3	16.46
		4	17.67
		1	19.17
		2	16.68
	10	3	12.48
		4	26.21
		Mean ± SEM	20.06 ± 0.85
		1	25.87
		2	21.37
	1	3	30.73
		4	21.27
		1	23.23
		2	21.03
	2	3	19.63
		4	24.40
		1	25.23
		2	25.33
	3	3	19.73
		4	23.47
		1	25.83
		2	21.33
	4	3	19.33
		4	20.33
		1	20.30
		2	35.03
	5	3	35.20
		4	32.23
		1	24.60
		2	28.23
	6	3	26.37
		4	22.14
		1	21.50
		2	16.17
	7	3	23.23
		4	20.09
		1	26.26
		2	38.34
	8	3	28.78
		4	26.14
		1	21.64
		2	20.23
	9	3	27.28
		4	21.63
		Mean ± SEM	24.54 ± 0.82
		1	20.70
		2	24.27
	1	3	25.67
		4	20.67
	2	1	27.73

**STZ + EVR
 (5 mg/kg,
 7 days)**

**STZ + EVR
 (1 mg/kg,
 21 days)**

		2	25.47
		3	25.77
		4	24.00
		1	29.60
3		2	20.57
		3	26.90
		4	25.87
		1	30.20
4		2	24.77
		3	30.73
		4	23.33
		1	25.90
5		2	29.50
		3	23.77
		4	24.70
		1	25.20
6		2	24.63
		3	26.79
		4	23.47
		1	29.59
7		2	27.96
		3	28.59
		4	25.99
		1	22.39
8		2	28.27
		3	26.13
		4	29.95
		1	22.83
9		2	23.87
		3	18.82
		4	24.78
		1	29.26
10		2	26.11
		3	25.05
		4	20.34
		Mean ± SEM	25.5 ± 0.47
		1	24.30
1		2	20.60
		3	27.53
		4	24.73
		1	30.97
2		2	24.67
		3	24.13
		4	20.63
		1	28.83
3		2	31.00
		3	29.10
		4	30.60
		1	20.90
4		2	23.33
		3	26.20
		4	25.60
		1	21.56
5		2	30.48
		3	24.46
		4	26.13
		1	30.02
6		2	22.69
		3	23.84

**STZ + EVR
 (5 mg/kg,
 21 days)**

		4	25.55
		1	22.35
7		2	27.01
		3	28.82
		4	21.29
		1	22.16
8		2	28.28
		3	16.92
		4	24.59
		1	29.62
9		2	30.78
		3	28.97
		4	27.96
		1	27.98
10		2	25.37
		3	23.35
		4	29.36
		Mean ± SEM	25.82 ± 0.55
EVR (5 mg/kg, 21 days)	1	1	25.37
		2	19.57
		3	26.90
		4	24.73
	2	1	25.40
		2	21.70
		3	30.93
		4	26.10
	3	1	23.30
		2	23.07
		3	34.33
		4	23.53
	4	1	19.37
		2	24.99
		3	25.96
		4	29.69
	5	1	20.41
		2	28.47
		3	25.59
		4	27.03
	6	1	33.19
		2	16.64
		3	30.21
		4	25.50
	7	1	31.63
		2	26.25
		3	25.49
		4	24.86
	8	1	27.84
		2	21.51
		3	19.47
		4	28.32
	9	1	20.75
		2	22.58
		3	22.14
		4	22.99
	10	1	26.70
		2	28.65
		3	28.86
		4	26.23
		Mean ± SEM	25.41 ± 0.62

Supplementary Table 4 (to Figure 5): Effects of 7 days or 21 days administration of EVR on swimming speed of STZ-induced AD rats in Morris water maze (MWM) task.

Group name	Animal number	Trials	Day 1 (cm/sec)	Day 2 (cm/sec)	Day 3 (cm/sec)	Day 4 (cm/sec)	Day 5 (cm/sec)
Sham	1	1	27.1	33.68	26.91	27.51	31.86
		2	33.45	25.66	24.06	28.22	34.79
		3	39.45	32.08	29.3	34.13	25.83
		4	33.45	24.16	15.66	22.03	28.17
	2	1	31	29.73	26.93	32.36	34.79
		2	32.32	27.77	24.58	24.11	32.81
		3	31.24	22.03	30.94	30.74	24.27
		4	34.25	38.56	27.25	27.65	27.33
	3	1	28.86	31.43	22.06	25.88	24.53
		2	31.68	30.24	28.78	26.94	28.68
		3	29.94	27.95	26.45	34.17	25.10
		4	28.5	38.67	28.81	32.19	25.82
	4	1	26.8	36.41	25.72	23.69	27.69
		2	25.76	32.64	23.89	37.16	24.61
		3	28.72	33.87	19.54	33.87	32.11
		4	29.45	30.23	29.46	27.51	37.40
	5	1	26.03	31.94	22.42	25.23	32.70
		2	32.81	30.48	22.92	17.46	37.17
		3	29.82	36.07	34.1	24.72	26.39
		4	30.77	35.21	31.22	38.09	24.22
	6	1	34.29	29.35	25.44	27.68	27.44
		2	28.85	32.97	25.08	26.91	25.23
		3	29.93	31.63	24.59	23.39	26.67
		4	40.29	31.54	24.69	19.34	41.09
	7	1	31.85	25.02	29.14	25.7	22.35
		2	28.15	20.22	28.28	27.06	32.01
		3	30.23	28.22	28.11	29.67	24.00
		4	33.65	25.33	23.29	27.2	34.24
	8	1	31.85	24.33	28.15	26.15	23.57
		2	30.82	31.4	14.87	23.35	25.16
		3	34.11	31.64	31.7	18.76	28.74
		4	30.95	29.66	26.56	26.6	34.46
	9	1	39.47	21.89	29.35	24.99	31.95
		2	31.9	38.05	31.41	27.89	30.93
		3	34.43	20.35	31.98	26.89	24.55
		4	29.65	25.97	32.84	26.97	30.09
	10	1	34.96	30.37	22.75	21.85	20.45
		2	32.29	27.38	31.29	29.09	26.16
		3	32.5	28.7	28.73	27.02	26.46
		4	29.6	23.43	32.87	26.62	29.56
Mean ± SEM			28.79 ± 0.32				
STZ	1	1	39.65	30.82	29.65	32.56	21.6
		2	39.67	30.1	26.56	35.75	21.41
		3	34.18	27.47	28.37	21.7	18.74
		4	31.17	22.07	21.96	22.74	20.27
	2	1	25.26	37.26	32.5	29	18.74
		2	30.93	33.13	30.16	28.32	18.7
		3	33.21	27.16	24.4	37.66	17.53
		4	40.23	30.3	26	20.95	21.95
	3	1	36.56	22.32	32.52	25.89	32.15
		2	34.71	27.85	28.57	29.99	28.68
		3	35.89	27.42	30.08	29.65	24.11
		4	36.46	34.92	29.15	24.09	23.67
	4	1	33.91	23.07	30.18	23.27	31.98

	2	26.69	36.12	31.56	36.56	23.51	
	3	41.12	30.79	31.39	34.12	23.46	
	4	30.65	24.09	28.15	21.73	29.51	
5	1	32.43	26.02	30.82	29.56	30.86	
	2	38.03	26.26	31.1	29.14	38.85	
	3	37.33	21.32	36.84	23.43	29.18	
	4	29.62	26.32	24.1	37.4	27.45	
6	1	34.46	35.45	28.83	23.59	28.65	
	2	38.09	27.56	24.89	20.96	29	
	3	30.55	39.83	27.53	33.66	36.26	
	4	34.08	20.47	29.01	22.02	30.22	
7	1	28.58	29.27	31.61	28.66	27.68	
	2	33.06	30.73	25.91	20.87	34.28	
	3	33.45	22.55	27.38	35.68	38.78	
	4	34.89	24.17	29.65	29.21	32.06	
8	1	34.63	24.29	31.63	31.23	28.06	
	2	35.58	22.84	28.11	35.13	25.49	
	3	32.74	27.4	31.52	27.63	24.13	
	4	30.15	29.08	30.72	30.07	23.33	
9	1	33.71	23.65	21.06	28.11	30.92	
	2	37.42	24.32	34.74	31.53	30.39	
	3	41.23	30.05	30.32	31.03	31.52	
	4	35.23	25.05	31.25	13.04	25.94	
10	1	27.25	23.01	26.2	27.71	28.84	
	2	32.79	28.21	30.58	22.47	33.16	
	3	32.01	22.45	26.09	21.2	27.98	
	4	27.52	27.6	32.3	40.23	24.18	
11	1	35	27.46	27.69	37.26	26.01	
	2	24.97	22.83	30.19	22.92	29.26	
	3	30.72	27.52	30.12	22.73	28.1	
	4	33.1	24.29	28.25	18.14	30.1	
12	1	30.23	26.63	23.95	21.09	25.92	
	2	27.86	25.46	21.96	23.61	30.66	
	3	28.18	23.38	28.11	31.42	35.37	
	4	31.23	29.25	38.23	29.41	35.15	
		Mean ± SEM		29.02 ± 0.33			
STZ + EVR (1 mg/kg, 7 days)	1	1	36.29	31.11	25.61	28.63	29.56
		2	33.64	35.32	30.61	20.82	28.21
		3	30.73	33.52	31.2	34.29	20.28
		4	25.36	28.71	24.94	24.45	27.88
	2	1	26.94	32.29	23.39	24.82	30.96
		2	33.55	32.4	20.74	26.74	19.33
		3	29.73	30.82	39.15	27.61	27.90
		4	22.29	27.8	34.62	34.20	19.86
	3	1	23.36	31.79	25.76	34.80	28.49
		2	11.29	30.98	30.03	31.96	28.54
		3	13.93	30.39	20.01	23.33	29.66
		4	30.36	26.64	37.39	22.71	37.72
	4	1	21.48	33.47	33.12	26.34	29.95
		2	10.4	34.56	37.24	33.66	23.75
		3	20.36	30.87	32.23	29.64	35.98
		4	30.31	27.38	29.25	29.25	22.19
	5	1	15.92	31.29	30.77	32.89	29.86
		2	25.97	17.78	28.94	30.52	31.79
		3	22.46	37.98	24.83	26.26	30.44
		4	27.62	22.89	16.37	27.47	28.92
	6	1	24.77	26.66	26.68	16.10	32.48
		2	30.74	27.7	29.85	23.46	26.33
		3	31.04	28.93	24.23	30.86	29.52

		4	31.39	25.93	20.93	25.48	24.25	
	7	1	34.78	23.29	23.93	30.56	38.54	
		2	32.9	23.08	30.69	37.18	17.74	
		3	33.7	25.98	19.91	24.70	29.21	
		4	32.42	28.12	26.48	18.37	37.99	
	8	1	35.4	28.46	23.63	23.72	39.32	
		2	38.1	33.96	24.37	22.06	20.74	
		3	30.83	32.3	16.58	24.91	24.90	
		4	30.71	29.71	17.94	38.06	35.07	
	9	1	22.9	35.55	14.91	17.50	27.09	
		2	39.58	27.39	18.5	35.54	21.37	
		3	37.31	28.45	22.53	29.62	32.56	
		4	35.48	25.52	28.72	36.09	29.71	
	10	1	30.9	24	23.41	30.12	28.79	
		2	39.74	16.16	28.67	23.08	13.54	
		3	35.54	30.68	29	31.99	21.26	
		4	33.25	24.31	25.44	14.81	34.51	
			Mean ± SEM			27.96 ± 0.42		
STZ + EVR (5 mg/kg, 7 days)	1	1	31.02	31.54	30.29	26.89	20.73	
		2	29.74	29.43	26.16	27.29	26.07	
		3	21.65	30.11	37.49	22.34	33.58	
		4	16.64	25.09	35.64	18.44	32.88	
	2	1	26.69	31.63	26.12	28.22	33.58	
		2	26.2	24.08	33.87	38.29	27.91	
		3	39.72	39.68	23.68	30.43	24.54	
		4	33.31	34.51	36.52	24.23	29.82	
	3	1	26.07	28.54	35.08	23.31	34.64	
		2	24.09	31.26	27.25	26.34	22.61	
		3	28.71	31.29	25.92	28.05	35.85	
		4	28.86	31.61	21.57	33.13	34.02	
	4	1	20.82	24.08	25.52	21.71	29.78	
		2	32.43	27.89	30.82	25.43	32.09	
		3	24.09	26.47	37.61	34.3	30.34	
		4	26.76	23.98	27.71	31.14	30.06	
	5	1	21.89	24.04	27.73	20.98	34.32	
		2	27.83	35.73	25.23	22.44	27.87	
		3	33.35	31.25	35.93	32.28	33.81	
		4	40.18	34.07	31.56	38.73	31.29	
6	1	26.1	28.12	24.72	23.19	29.89		
	2	31.17	35.05	27.67	27.48	32.84		
	3	27.11	32.81	33.72	28.98	24.58		
	4	26.48	31.56	33.99	27.63	33.074		
7	1	30.49	21.38	22.19	29.56	21.63		
	2	28.59	28.92	32.67	26.55	31.68		
	3	28.23	32.61	37.69	23.7	20.78		
	4	28.69	36.49	28.07	26.34	34.15		
8	1	33.97	23.17	28.95	25.51	25.28		
	2	37.03	28.6	32.03	30.97	29.32		
	3	35.23	29.93	35.22	29.63	37.05		
	4	31.67	28.7	37.79	30.01	26.26		
9	1	33.51	29.87	34.06	23.66	8.44		
	2	32.18	34.67	32.07	31.16	32.19		
	3	32.84	30.13	31.75	30.01	17.93		
	4	30.72	27.3	31.57	40.09	26.55		
			Mean ± SEM			29.34 ± 0.37		
STZ + EVR (1 mg/kg, 21 days)	1	1	31.25	24.39	30.16	18.97	22.37	
		2	29.45	29.63	33.62	17.46	31.80	
		3	31.95	37.18	24.79	36.03	24.52	
		4	30.81	23.49	33.85	30.55	36.46	

2	1	31.93	24.49	28.29	35.14	18.39	
	2	37.98	28.58	36.70	28.12	24.75	
	3	23.42	28.14	36.57	20.24	30.26	
	4	33.56	23.31	30.27	28.26	26.96	
3	1	30.94	27.26	33.21	31.70	36.29	
	2	38.01	26.70	31.87	29.65	33.85	
	3	43.48	21.37	34.77	29.32	33.77	
	4	39.56	20.11	32.04	24.36	37.33	
4	1	30.77	33.99	25.89	26.56	17.35	
	2	30.72	31.85	32.29	25.36	38.60	
	3	33.41	28.88	29.63	27.27	31.82	
	4	38.42	39.78	26.70	19.95	38.67	
5	1	32.22	25.30	32.37	35.13	32.72	
	2	41.49	39.18	22.82	26.62	28.27	
	3	30.47	28.56	28.76	29.59	28.52	
	4	35.03	32.16	23.41	28.80	34.79	
6	1	36.30	27.50	24.37	26.77	24.98	
	2	29.94	40.73	28.45	25.05	26.17	
	3	25.52	33.64	28.43	33.55	34.15	
	4	23.49	36.30	21.90	37.60	32.10	
7	1	23.50	22.10	25.41	24.58	35.63	
	2	23.76	30.79	29.64	38.84	24.58	
	3	20.44	38.29	33.51	30.68	34.05	
	4	22.06	37.78	26.04	28.20	31.32	
8	1	31.04	33.31	14.40	22.05	24.64	
	2	28.82	30.17	33.32	29.69	27.15	
	3	30.32	29.00	25.63	36.09	39.42	
	4	29.16	21.81	29.91	27.83	25.71	
9	1	29.63	30.09	14.74	34.94	34.38	
	2	25.76	27.62	18.97	27.13	26.20	
	3	29.63	26.11	32.76	28.59	24.70	
	4	36.00	25.71	33.46	25.14	38.79	
10	1	16.30	35.25	27.61	22.84	37.83	
	2	19.83	33.62	27.06	30.90	29.10	
	3	27.41	37.29	27.94	38.81	33.98	
	4	31.61	31.57	24.76	26.42	29.31	
		Mean ± SEM			29.61 ± 0.39		
STZ + EVR (5 mg/kg, 21 days)	1	1	27.84	24.76	38.14	32.36	27.64
		2	24.85	32.20	34.62	31.46	31.51
		3	21.95	34.60	30.69	31.90	35.97
		4	22.25	34.64	27.10	24.22	34.44
2	1	28.41	29.28	34.40	33.03	26.11	
		2	18.88	32.84	38.05	33.84	33.85
		3	26.02	29.08	28.23	24.04	36.66
		4	22.42	30.86	33.22	29.55	26.29
3	1	29.47	25.71	21.71	22.33	24.60	
		2	39.81	20.81	20.91	25.03	26.95
		3	35.11	28.39	20.90	28.51	22.97
		4	26.43	22.61	36.15	26.45	23.70
4	1	25.16	26.36	37.13	27.59	25.90	
		2	30.39	36.17	27.77	29.43	30.76
		3	38.64	35.16	29.23	38.19	35.95
		4	39.48	37.75	32.16	25.61	26.66
5	1	30.54	27.62	22.27	32.88	26.98	
		2	33.72	31.76	38.43	24.82	38.92
		3	32.86	35.55	31.69	36.09	29.53
		4	33.45	39.19	26.82	26.40	39.29
6	1	30.93	23.47	31.11	18.64	21.88	
	2	25.45	29.72	23.86	31.33	25.85	

		3	25.79	25.20	24.77	37.20	33.90	
		4	25.79	36.97	27.58	33.12	24.93	
7		1	24.03	28.34	24.13	31.00	25.10	
		2	25.97	20.21	33.84	24.71	32.88	
		3	26.42	24.23	25.91	31.03	28.19	
		4	24.75	35.66	18.51	29.57	27.30	
8		1	24.79	31.27	27.21	23.05	28.73	
		2	29.11	32.96	33.72	28.92	29.53	
		3	25.93	24.05	32.03	35.59	30.05	
		4	27.58	31.43	23.49	35.77	34.70	
9		1	23.00	33.04	35.40	29.45	33.06	
		2	32.51	24.28	30.36	27.33	28.10	
		3	33.34	27.18	18.61	31.38	27.36	
		4	31.82	26.07	28.09	34.41	16.54	
10		1	24.90	32.29	33.89	30.45	21.33	
		2	24.22	29.51	34.36	18.94	30.18	
		3	26.88	29.34	30.56	34.18	29.07	
		4	30.93	27.63	37.15	30.95	31.15	
			Mean ± SEM			29.25 ± 0.35		
EVR (5 mg/kg, 21 days)	1	1	29.32	32.68	37.67	37.19	37.58	
		2	29.98	33.09	28.82	26.49	30.58	
		3	25.95	32.29	43.32	22.29	21.81	
		4	21.77	38.52	30.93	26.29	23.08	
	2	1	27.31	31.89	42.25	36.52	37.95	
		2	35.95	31.70	22.39	22.91	29.16	
		3	25.01	29.05	25.54	30.88	25.20	
		4	25.88	23.40	21.44	30.25	39.47	
	3	1	30.75	23.62	25.29	20.39	18.31	
		2	35.82	19.77	17.83	25.09	30.75	
		3	38.63	18.81	26.89	34.72	33.34	
		4	30.65	19.09	26.08	31.58	32.74	
	4	1	28.32	24.89	14.22	30.46	38.04	
		2	36.50	22.84	35.58	28.39	30.36	
		3	26.05	31.50	32.26	23.28	31.64	
		4	26.38	46.80	21.72	32.33	32.55	
	5	1	36.05	26.63	37.56	33.37	36.51	
		2	32.98	27.91	48.67	17.93	31.58	
		3	28.56	26.96	25.35	29.68	23.80	
		4	35.28	35.93	33.14	37.90	21.01	
	6	1	33.26	26.80	27.47	29.46	37.41	
		2	35.20	26.71	38.61	29.59	32.11	
		3	31.77	35.06	25.93	27.23	20.70	
		4	29.39	27.09	30.39	22.49	29.44	
	7	1	28.86	29.25	32.18	35.66	22.37	
		2	23.20	31.14	34.84	31.70	25.09	
		3	18.29	22.04	30.20	39.86	28.10	
		4	17.02	18.41	25.45	28.12	26.41	
	8	1	44.05	30.29	25.12	36.06	30.39	
		2	25.88	33.18	29.71	21.83	27.03	
		3	43.09	27.23	24.67	25.60	17.03	
		4	35.06	26.22	28.01	33.41	27.91	
	9	1	35.36	18.38	31.73	31.34	29.55	
		2	28.73	32.22	22.31	32.58	21.09	
		3	21.63	29.52	22.22	30.84	24.54	
		4	27.23	38.76	30.64	33.41	31.14	
	10	1	31.04	32.87	26.82	32.54	26.67	
		2	31.30	28.04	26.45	14.69	33.46	
		3	26.95	23.29	31.75	24.61	32.35	
		4	17.37	40.06	24.70	27.42	29.42	

Mean ± SEM	29.18 ± 0.43
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Supplementary Table 5 (to Figure 6): Effects of 7 days or 21 days administration of EVR on malondialdehyde (MDA) level in the hippocampus of STZ-induced AD rats.

MDA Conc. (nmol/g tissue)						
Sham N = 10	STZ N = 12	STZ + EVR (1 mg/kg, 7 days) N = 10	STZ + EVR (5 mg/kg, 7 days) N = 9	STZ + EVR (1 mg/kg, 21 days) N = 10	STZ + EVR (5 mg/kg, 21 days) N = 10	STZ + EVR (5 mg/kg, 21 days) N = 10
133.3	167.7	120.1	250.5	211.5	227	153.1
175.2	192	244.7	106.8	287.4	96.2	128.4
161.7	375.7	181.8	281.7	90.6	152	178.7
137.1	221.8	288.4	153.0	227.2	249.8	123.4
162.1	354.5	265.3	253.1	244.7	98.5	145.9
37.8	382.7	347.5	112.6	167.3	118.4	231
75.7	288.8	277.7	238.2	119.5	164.8	137.2
162.1	191.5	212.5	190.9	220.1	130	42.8
181.7	214.9	289.4	167.2	87.3	220.8	140.6
122.1	283.1	217.1		187.9	185	170.4
	323.8					
	289.7					
Mean ± SEM						
134.9 ± 14.57	273.9 ± 21.8	244.5 ± 20.35	194.9 ± 21.4	184.4 ± 21.3	164.3 ± 17.41	145.2 ± 15.1

Supplementary Table 6 (to Figure 7): Effects of 7 days or 21 days administration of EVR on total thiol level in the hippocampus of STZ-induced AD rats.

Total Thiol Conc. (mM)						
Sham	STZ	STZ + EVR (1 mg/kg, 7 days)	STZ + EVR (5 mg/kg, 7 days)	STZ + EVR (1 mg/kg, 21 days)	STZ + EVR (5 mg/kg, 21 days)	STZ + EVR (5 mg/kg, 21 days)
N = 10	N = 12	N = 10	N = 9	N = 10	N = 10	N = 10
0.42	0.27	0.16	0.19	0.38	0.24	0.32
0.54	0.12	0.16	0.25	0.48	0.40	0.42
0.43	0.03	0.21	0.31	0.18	0.46	0.34
0.52	0.08	0.37	0.42	0.29	0.29	0.55
0.34	0.17	0.17	0.46	0.38	0.22	0.40
0.20	0.26	0.06	0.29	0.28	0.54	0.40
0.29	0.30	0.09	0.45	0.35	0.48	0.15
0.53	0.28	0.33	0.16	0.35	0.33	0.57
0.24	0.10	0.19	0.31	0.24	0.40	0.42
0.44	0.07	0.19		0.46	0.48	0.36
	0.28					
	0.09					
Mean ± SEM						
0.39 ± 0.04	0.17 ± 0.03	0.19 ± 0.03	0.32 ± 0.03	0.34 ± 0.03	0.38 ± 0.03	0.39 ± 0.03

Supplementary Table 7 (to Figure 8): Effects of 7 days or 21 days administration of EVR on acetylcholinesterase (AChE) activity in the hippocampus of STZ-induced AD rats.

AChE activity (mmol/min/g protein)						
Sham	STZ	STZ + EVR (1 mg/kg, 7 days)	STZ + EVR (5 mg/kg, 7 days)	STZ + EVR (1 mg/kg, 21 days)	STZ + EVR (5 mg/kg, 21 days)	STZ + EVR (5 mg/kg, 21 days)
N = 10	N = 12	N = 10	N = 9	N = 10	N = 10	N = 10
0.35	0.82	0.82	0.56	0.95	0.51	0.47
0.50	0.96	0.85	0.62	0.77	0.65	0.66
0.40	1.05	0.70	0.70	0.83	0.42	0.56
0.32	0.92	1.22	0.85	0.52	0.57	0.38
0.48	0.93	0.73	0.74	0.66	0.46	0.37
0.37	0.94	0.81	0.76	0.76	0.49	0.48
0.63	0.88	0.91	0.71	0.83	0.73	0.42
0.39	0.95	1.04	0.80	0.68	0.78	0.52
0.46	0.85	0.79	0.78	0.85	0.63	0.52
0.54	0.91	0.77		0.88	0.72	0.37
	1.19					
	0.82					
Mean ± SEM						
0.44 ± 0.03	0.93 ± 0.03	0.86 ± 0.04	0.72 ± 0.03	0.77 ± 0.03	0.59 ± 0.03	0.47 ± 0.03

Supplementary Table 8 (to Figure 10): Effects of 7 days or 21 days administration of EVR on percentage of degenerated cells in the hippocampal CA1 region of STZ-induced AD rats.

Loss of cells (%)					
Sham	STZ	STZ + EVR (1 mg/kg, 7 days)	STZ + EVR (5 mg/kg, 7 days)	STZ + EVR (1 mg/kg, 21 days)	STZ + EVR (5 mg/kg, 21 days)
N = 6	N = 6	N = 6	N = 6	N = 6	N = 6
9.1	93.8	69.7	22.2	47.6	42.8
13.6	56	25.7	9.5	17.2	8.1
10.8	94.2	42.2	41.9	26.4	3.1
7.3	83.6	59.5	23.6	42.4	8.8
4.7	93.8	52.6	24.3	9.1	13.4
6.6	33.3	72.3	67.9	20.9	17.9
Mean ± SEM					
8.7 ± 1.3	75.8 ± 10.4	53.7 ± 7.2	31.6 ± 8.4	27.3 ± 6.1	15.7 ± 5.8