

Table S1 Summary of animals used in experiment 1.

animals	drug treatment	opponent	sample number	length(cm)	opponent	ration of difference
naive L	saline	naive S	19	6.4-7.8	6.2-7.5	1.03-1.06
	0.5 μ M DA	naive S	10	6.3-7.9	5.4-7.5	1.03-1.07
	1 μ M DA	naive S	12	6.5-8.2	6.2-7.8	1.03-1.07
	2 μ M DA	naive S	10	6.3-7.4	6.1-7.2	1.03-1.07
	5 μ M DA	naive S	10	6.2-8.3	6.0-8.0	1.03-1.07
	10 μ M DA	naive S	11	6.4-8.5	6.0-8.2	1.03-1.07
naive S	saline	naive L	19	6.2-7.6	6.6-8.0	0.94-0.97
	1 μ M DA	naive L	5	6.1-7.6	6.3-7.8	0.94-0.97
	5 μ M DA	naive L	10	6.0-7.1	6.2-7.6	0.93-0.97
	10 μ M DA	naive L	12	6.0-7.9	6.3-8.3	0.94-0.97

Table S2 Summary of animals used in experiment 2.

animals	drug treatment	opponent	Sample number	length(cm)	opponent	ration of difference
subL	no	naive S	17	6.4-7.8	6.2-7.4	1.03-1.06
	saline	naive S	13	6.4-7.8	6.2-7.5	1.03-1.06
	10 μ M metylergonobin	naive S	10	6.2-7.7	6.0-7.5	1.03-1.07
	10 μ M SCH23390	naive S	10	6.2-7.4	6.0-7.2	1.03-1.07
	10 μ M chlorpromazine	naive S	11	6.3-8.0	6.1-7.6	1.03-1.07
dom S	no	naive L	26	6.3-7.5	6.7-7.8	0.94-0.96
	saline	naive L	15	6.4-7.4	6.8-7.8	0.94-0.96
	10 μ M metylergonobin	naive L	10	6.4-8.0	6.7-8.3	0.95-0.97
	10 μ M SCH23390	naive L	10	6.2-7.6	6.5-8.1	0.94-0.97
	10 μ M Chlorpromazine	naive L	10	6.6-8.1	6.9-8.5	0.94-0.97

Table S3 Summary of animals used in experiment 3.

animals	drug treatment	opponent	Sample number	length(cm)	opponent	ration of difference
naive L	1 μ M DA	naive S	13	6.5-8.2	6.2-7.8	1.03-1.07
	1 μ M DA + 10 μ M SCH23390	naive S	13	6.6-8.4	6.4-8.1	1.03-1.07
	1 μ M DA + 12.5 μ M epinastine	naive S	11	6.5-8.3	6.1-8.0	1.03-1.07
	1 μ M OA	naive S	18	6.6-8.4	6.3-8.1	1.04-1.06
	1 μ M OA + 12.5 μ M epinastine	naive S	6	6.5-8.0	6.1-7.6	1.04-1.07
	1 μ M OA + 10 μ M SCH23390	naive S	12	6.8-8.2	6.4-7.9	1.03-1.06

Table S4 Summary of animals used in experiment 4.

animals	drug treatment	opponent	Sample number	length(cm)	opponent	ration of difference
naive S	10 μ M DA	naive L	13	6.0-8.2	6.4-8.5	0.94-0.97
	10 μ M DA + 10 μ M chlorpromazine	naive L	6	6.2-7.9	6.4-8.4	0.94-0.97
	10 μ M DA + 50 μ M WAY100635	naive L	10	6.3-7.6	6.6-7.9	0.93-0.97
	1 μ M 5HT	naive L	18	6.3-7.4	6.5-7.9	0.93-0.97
	1 μ M 5HT + 50 μ M WAY100635	naive L	12	6.2-7.7	6.5-8.0	0.93-0.97
	1 μ M 5HT + 10 μ M chlorpromazine	naive L	10	6.3-7.7	6.6-8.1	0.93-0.97