Rostral 1	CPu	Core	Shell	OT
D1/D2+ out of total D1+ cells	10.6 ± 1.5	8.2 ± 2.5	9.3 ± 1.0	14.8 ± 1.4
D1/D2+ out of total D2+ cells	6.7 ± 1.9	6.0 ± 2.2	6.5 ± 0.8	21.2 ± 2.2
D1/D3 out of D1+ cells	2.2± 0.9	0.0 ± 0.0	7.0 ± 1.9	7.4 ± 2.3
D2/D3+ out of D2+ cells	1.2 ± 0.5	0.0 ± 0.0	1.9 ± 0.5	5.0 ± 2.1

Table 1.1: Percentage of striatal medium spiny neurons that co-express dopamine receptors in rostral 1 section (Bregma-1.61mm)

Rostral 2	CPu	Core	Shell	OT
D1/D2+ out of D1+ cells	11.6 ± 1.8	10.8 ± 2.7	8.2 ± 0.7	15.5 ± 1.5
D1/D2+ out of D2+ cells	8.0 ± 1.7	10.4 ± 2.9	10.2 ± 1.0	28.1 ± 3.9
D1/D3 out of D1+ cells	3.3 ± 0.9	0.1 ± 0.1	1.9 ± 0.4	7.1 ± 1.8
D2/D3+ out of D2+ cells	3.8 ± 1.1	0.0 ± 0.0	1.8 ± 0.5	2.7 ± 0.8

Table 1.2: Percentage of striatal medium spiny neurons that co-express dopamine receptors in rostral 2 section (Bregma -1.33mm)

Rostral 3	CPu	Core	Shell	OT
D1/D2+ out of D1+ cells	10.6 ± 1.2	8.8 ± 1.1	6.4 ± 0.6	12.9 ± 1.3
D1/D2+ out of D2+ cells	10.3 ± 1.7	9.5 ± 1.4	8.4 ± 1.0	19.9 ± 3.9
D1/D3 out of D1+ cells	0.8 ± 0.4	0.0 ± 0.0	1.2 ± 0.3	3.6 ± 1.1
D2/D3+ out of D2+ cells	1.6± 0.9	0.2 ± 0.2	1.2 ± 0.5	2.6 ± 1.1

Table 1.3: Percentage of striatal medium spiny neurons that co-express dopamine receptors in rostral 3 section (Bregma -1.15mm)

Caudal	CPu	Core	Shell	OT
D1/D2+ out of D1+ cells	11.3 ± 0.8	10.9 ± 2.3	5.7 ± 0.8	11.9 ± 2.2
D1/D2+ out of D2+ cells	11.9 ± 0.9	12.8 ± 2.0	8.9 ± 1.1	26.0 ± 5.7
D1/D3 out of D1+ cells	0.8 ± 0.3	0.1 ± 0.1	2.1 ± 0.6	3.9 ± 0.8
D2/D3+ out of D2+ cells	0.4 ± 0.2	0.0± 0.0	0.0± 0.0	0.2 ± 0.2

Table 1.4: Percentage of striatal medium spiny neurons that co-express dopamine receptors in the caudal section (Bregma +0.91mm)

Table S1. Percentage of dopamine D_1, D_2, and D_3 receptors co-expressed in D_1R^+ and D_2R^+ SPNs across ventral-dorsal and rostral-caudal axes.