

With Type-I 5-HT neurons													
a	Connection type			Punishment					Reward				
				VTA DA *	DRN 5-HT *	DRN GABA *	VTA GABA *	VTA Glu *	VTA DA *	DRN 5-HT *	DRN GABA *	VTA GABA *	VTA Glu *
	DA→ VTA GABA (-)	5HT→ DA (-)	5HT→ Glu (-)	100. 00	45.26	11.93	2.90	0.56	100. 00	41.15	16.50	7.03	0.79
			5HT→ Glu (+)	100. 00	45.70	11.92	2.94	0.56	100. 00	29.12	16.54	3.65	0.74
	5-HT→ VTA GABA (-)	5HT→ DA (+)	5HT→ Glu (-)	100. 00	45.26	11.93	2.90	0.56	100. 00	28.73	16.54	3.58	0.74
			5HT→ Glu (+)	100. 00	45.70	11.92	2.94	0.56	100. 00	41.39	16.73	4.13	0.75
	DA→ VTA GABA (+)	5HT→ DA (-)	5HT→ Glu (-)	100. 00	44.26	23.12	6.20	0.56	100. 00	41.01	17.31	10.10	0.79
			5HT→ Glu (+)	100. 00	44.70	23.13	6.25	0.56	100. 00	28.61	17.30	6.66	0.74
	5-HT→ VTA GABA (+)	5HT→ DA (+)	5HT→ Glu (-)	100. 00	44.26	23.12	6.20	0.56	100. 00	28.21	17.29	6.60	0.74
			5HT→ Glu (+)	100. 00	44.70	23.13	6.25	0.56	100. 00	41.13	17.10	7.18	0.74
b	5HT→Glu (-)			100. 00	26.68	13.37	4.32	0.53	100. 00	17.99	16.29	4.61	0.70
	5HT→Glu (+)			100. 00	23.94	13.48	3.64	5.23	100. 00	16.42	16.42	3.86	6.90
c	-			100. 00	22.87	13.49	3.53	0.00	100. 00	15.48	16.45	3.71	0.00
d	-			100. 00	25.43	5.49	2.34	0.00	100. 00	17.16	5.47	2.75	0.00
e	-			100. 00	23.20	0.69	1.86	0.00	100. 00	15.74	0.95	2.21	0.00
f	-			100. 00	2.27	0.17	0.45	0.00	100. 00	1.52	0.22	0.52	0.00
g	-			100. 00	0.00	12.72	0.00	0.00	100. 00	0.00	13.31	0.00	0.00
h	-			100. 00	25.43	0.87	2.34	0.00	100. 00	17.16	1.18	2.75	0.00
i	-			100. 00	0.00	0.00	0.00	0.00	100. 00	0.00	0.00	0.00	0.00
j	-			100. 00	0.00	0.00	0.00	0.00	100. 00	0.00	0.00	0.00	0.00
k	-			100. 00	0.00	0.00	0.00	0.00	100. 00	0.00	0.00	0.00	0.00
l	5HT→DA (-)			100. 00	22.78	12.34	3.13	0.52	100. 00	15.55	3.89	3.86	0.69
	5HT→DA (+)			100. 00	22.79	12.34	3.13	0.52	100. 00	15.56	3.90	3.87	0.69