

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	24.32	9.58	1.56	0.53	100.00	27.04	10.98	5.35	0.76
			5HT→Glu (+)	100.00	24.74	9.57	1.61	0.53	100.00	15.17	11.02	2.03	0.70
	5-HT→VTA GABA (−)	5HT→DA (+)	5HT→Glu (−)	100.00	24.31	9.58	1.56	0.53	100.00	14.80	11.02	1.97	0.70
			5HT→Glu (+)	100.00	24.74	9.57	1.61	0.53	100.00	20.25	11.21	1.37	0.69
	DA→VTA GABA (+)	5HT→DA (−)	5HT→Glu (−)	100.00	23.64	20.18	3.47	0.53	100.00	26.95	11.76	7.14	0.75
			5HT→Glu (+)	100.00	24.06	20.19	3.52	0.53	100.00	14.87	11.74	3.79	0.70
	5-HT→VTA GABA (+)	5HT→DA (+)	5HT→Glu (−)	100.00	23.64	20.18	3.47	0.53	100.00	14.49	11.74	3.73	0.70
			5HT→Glu (+)	100.00	24.06	20.19	3.52	0.53	100.00	20.10	11.56	3.16	0.69
b	5HT→Glu (−)			100.00	16.08	10.85	2.63	0.52	100.00	10.88	13.71	2.85	0.68
	5HT→Glu (+)			100.00	13.30	10.95	1.96	5.09	100.00	9.28	13.84	2.12	6.72
c	-			100.00	12.26	10.97	1.86	0.00	100.00	8.36	13.86	1.97	0.00
d	-			100.00	14.76	3.18	1.37	0.00	100.00	10.00	3.18	1.63	0.00
e	-			100.00	12.52	0.33	0.90	0.00	100.00	8.58	0.47	1.10	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	7.39	0.00	0.00	100.00	0.00	7.77	0.00	0.00
h	-			100.00	14.76	0.51	1.37	0.00	100.00	10.00	0.70	1.63	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	12.16	9.82	2.06	0.51	100.00	8.43	3.71	2.66	0.67
	5HT→DA (+)			100.00	12.18	9.83	2.06	0.51	100.00	8.45	3.69	2.67	0.67