Model architecture (Fig. 4)				Type-I 5-HT neurons		Type-II 5-HT neurons	
				Punishment	Reward	Punishment	Reward
				Model #			
a	DA→GABA-VTA (−) 5HT→GABA-DRN (−)	5HT→DA (−)	5HT→Glu (−)	1	2	3	4
			5HT→Glu (+)	5	6	7	8
		5HT→DA (+)	5HT→Glu (−)	9	10	11	12
			5HT→Glu (+)	13	14	15	16
	DA→GABA-VTA (+) 5HT→GABA-DRN (+)	5HT→DA (−)	5HT→Glu (−)	17	18	19	20
			5HT→Glu (+)	21	22	23	24
		5HT→DA (+)	5HT→Glu (−)	25	26	27	28
			5HT→Glu (+)	29	30	31	32
b		5HT→Glu (−)		33	34	35	36
		5HT→Glu (+)		37	38	39	40
c		-		41	42	43	44
d		-		45	46	47	48
e		-		49	50	51	52
f		-		53	54	55	56
g		-		57	58	59	60
h		-		61	62	63	64
i		-		65	66	67	68
j		-		69	70	71	72
k		-		73	74	75	76
l		5HT→DA (−)		77	78	79	80
		5HT→DA (+)		81	82	83	84