

Synaptic parameters of thalamocortical pathways. Values taken from the internal connectivity (Table ??) are marked in bold. Physical dimensions are the same as in Table ??.

Pre	Post	$\hat{g}$	U_{SE}	D	F	N_{RRP}	τ_{decay}	$\hat{g}_{ratio}$	U_{Hill}
VPM, POm to Sst+IN (E1)									
*	Sst+	0.2±0.1	0.09±0.12	138±211	670±830	1.5	1.74±0.18	0.8	2.79
VPM, POm to PC (E2)									
VPM	L23_PC	1.7±0.6	0.75±0.1	671±17	17±5	1.5	1.74±0.18	0.7	2.79
VPM	L4_PC	1.1±0.4	0.75±0.1	671±17	17±5	1.5	1.74±0.18	0.7	2.79
VPM	L56_PC	2.4±0.9	0.75±0.1	671±17	17±5	1.5	1.74±0.18	0.7	2.79
POm	PC	1.7±0.6	0.75±0.1	671±17	17±5	1.5	1.74±0.18	0.7	2.79
VPM, POm to PV+IN (E2)									
VPM	L4_PV+	1.4±0.4	0.72±0.12	227±70	13±24	4.5	1.74±0.18	0.8	1.09
VPM	L6_PV+	3.1±1.0	0.72±0.12	227±70	13±24	4.5	1.74±0.18	0.8	1.09
VPM	L235_PV+	2.2±0.4	0.72±0.12	227±70	13±24	4.5	1.74±0.18	0.8	1.09
POm	PV+	2.2±0.4	0.72±0.12	227±70	13±24	4.5	1.74±0.18	0.8	1.09
VPM, POm to 5HT3aR+IN (E2)									
*	5HT3aR+	0.4±0.1	0.50±0.02	671±17	17±5	1.5	1.74±0.18	0.8	1.94
Sst+ inhibitory mtypes: MC and BP, DBC, BTC (cACint etype only). PV+ inhibitory mtypes: N/LBC, CHC. 5HT3aR+ mtypes: the rest of the mtypes not listed above (e.g. NGC, SBC, and everything in L1).									