

Assignment of 55 Markram et al. (2015) cell groups to our 16 cell groups. Inhibitory groups marked with italics are divided both to BC and MC groups in the layer, in relation to the number of cells in the BC/MC groups. L = layer, I = Inhibitory, PC = Pyramidal cell, BC = Basket cell, MC = Martinotti cell, SS = Spiny stellate cell. DAC = Descending Axon Cell, HAC = Horizontal Axon Cell, LAC = Large Axon Cell, NGC-SA = Neurogliaform Cell with slender axonal arborization, NGC-DA = Neurogliaform Cell with dense axonal arborization, SAC = Small Axon Cell, LBC = Large Basket Cell, NBC = Nest Basket Cell, SBC = Small Basket Cell, DBC = Double Bouquet Cell, BP = Bipolar Cell, ChC = Chandelier Cell, NGC = Neurogliaform Cell, BTC = Bitufted Cell, SP = Star Pyramidal Cell, STPC = Slender-tufted Pyramidal Cell, UTPC = Untufted Pyramidal Cell, TTPC1 = Thick-tufted Pyramidal Cell with a late bifurcating apical tuft, TTPC2 = Thick-tufted Pyramidal Cell with an early bifurcating apical tuft, TPC_L4 Tufted Pyramidal Cell with dendritic tuft terminating in layer 4, IPC = Pyramidal Cell with inverted apical-like dendrites, BPC = Pyramidal Cell with bipolar apical-like dendrites, TPC_L1 = Tufted Pyramidal Cell with dendritic tuft terminating in layer 1.

N	N cells	Name	Markram cell groups
1	338	L1_I	L1_DAC, L1_HAC, L1_LAC, L1_NGC-SA, L1_NGC-DA, L1_SAC
2	5877	L23_PC	L23_PC
3	1198	L23_BC	L23_LBC, L23_NBC, L23_SBC, <i>L23_DBC, L23_BP, L23_ChC, L23_NGC, L23_BTC</i>
4	425	L23_MC	L23_MC, <i>L23_DBC, L23_BP, L23_ChC, L23_NGC, L23_BTC</i>
5	2674	L4_PC1	L4_PC
6	1098	L4_PC2	L4_SP
7	406	L4_SS	L4_SS
8	329	L4_BC	L4_LBC, L4_NBC, L4_SBC, <i>L4_BTC, L4_NGC, L4_ChC, L4_BP, L4_DBC</i>
9	137	L4_MC	L4_MC, <i>L4_BTC, L4_NGC, L4_ChC, L4_BP, L4_DBC</i>
10	5050	L5_PC	L5_STPC, L5_UTPC, L5_TTPC1, L5_TTPC2
11	558	L5_BC	L5_LBC, L5_SBC, L5_NBC, L5_NGC, L5_DBC, L5_BTC, L5_BP, L5_ChC
12	491	L5_MC	L5_MC, <i>L5_NGC, L5_DBC, L5_BTC, L5_BP, L5_ChC</i>
13	9825	L6_PC1	L6_TPC_L4, L6_IPC, L6_UTPC, L6_BPC
14	1634	L6_PC2	L6_TPC_L1
15	813	L6_BC	L6_SBC, L6_NBC, L6_LBC, <i>L6_ChC, L6_DBC, L6_NGC, L6_BTC, L6_BP</i>
16	372	L6_MC	L6_MC, <i>L6_ChC, L6_DBC, L6_NGC, L6_BTC, L6_BP</i>