

<i>Layers</i>	Short name	Full name
	Inhibitory	
<i>L1</i>	DAC	Descending Axon Cell
<i>L1</i>	NGC-DA	Neurogliaform Cell with dense axonal arborization
<i>L1</i>	NGC-SA	Neurogliaform Cell with slender axonal arborization
<i>L1</i>	HAC	Horizontal Axon Cell
<i>L1</i>	LAC	Large Axon Cell
<i>L1</i>	SAC	Small Axon Cell
<i>L23, L4, L5, L6</i>	MC	Martinotti Cell
<i>L23, L4, L5, L6</i>	BTC	Bitufted Cell
<i>L23, L4, L5, L6</i>	DBC	Double Bouquet Cell
<i>L23, L4, L5, L6</i>	BP	Bipolar Cell
<i>L23, L4, L5, L6</i>	NGC	Neurogliaform Cell
<i>L23, L4, L5, L6</i>	LBC	Large Basket Cell
<i>L23, L4, L5, L6</i>	NBC	Nest Basket Cell
<i>L23, L4, L5, L6</i>	SBC	Small Basket Cell
<i>L23, L4, L5, L6</i>	ChC	Chandelier Cell
	Excitatory	
<i>L23, L4</i>	PC	Pyramidal Cell
<i>L4</i>	SP	Star Pyramidal Cell
<i>L4</i>	SS	Spiny Stellate Cell
<i>L5</i>	TTPC1	Thick-tufted Pyramidal Cell with a late bifurcating apical tuft
<i>L5</i>	TTPC2	Thick-tufted Pyramidal Cell with an early bifurcating apical tuft
<i>L5, L6</i>	UTPC	Untufted Pyramidal Cell
<i>L5</i>	STPC	Slender-tufted Pyramidal Cell
<i>L6</i>	TPC_L4	Tufted Pyramidal Cell with dendritic tuft terminating in layer 4
<i>L6</i>	TPC_L1	Tufted Pyramidal Cell with dendritic tuft terminating in layer 1
<i>L6</i>	IPC	Pyramidal Cell with inverted apical-like dendrites
<i>L6</i>	BPC	Pyramidal Cell with bipolar apical-like dendrites

Table S2 – Abbreviations of morphological types (m-types). A full m-type name includes a layer prefix from the first column and a short name from the second column.