Supplementary Figure 1: Morphological database of reconstructed pyramidal neurons.

Pyramidal cell reconstructions. Cell bodies and dendrites in red, axons in blue.

Supplementary Figure 2: Morphological database of reconstructed Layer 2/3 PV neurons.

Layer 2/3 PV cell reconstructions. Cell bodies and dendrites in red, axons in blue.

Supplementary Figure 3: Morphological database of reconstructed Layer 5 PV neurons.

Layer 5 PV cell reconstructions. Cell bodies and dendrites in red, axons in blue.

Supplementary Figure 4: Morphological database of reconstructed SOM neurons.

Layer 2/3 SOM cell reconstructions. Cell bodies and dendrites in red, axons in blue.

Supplementary Figure 5: Reconstructed connected pairs of SOM-PC neurons

Somatostatin cell and pyramidal cell pairs. Somatostatin cell bodies and dendrites in black, axons in blue. Pyramidal cell bodies and dendrites in red, axons in orange.

Supplementary Figure 6: Reconstructed connected pairs of PV-PC neurons

Parvalbumin cell and pyramidal cell pairs. Somatostatin cell bodies and dendrites in black, axons in blue. Pyramidal cell bodies and dendrites in red, axons in orange.











