|  |  |  |  |
| --- | --- | --- | --- |
| Biophysical properties (mean±SD) | SST (n=15) | PV (n=15) | Pyr L2/3 (n=14) |
| RMP (mV) | -65.75±3.76 | -71.25+5.6 | -74.97±7.89 |
| Rm (MOhm) | 188.7±9736 | 88.97±36.3 | 68.35±35.94 |
| Cm (pF) | 96.46±50.01 | 78±50.18 | 152±65.09 |
| Tau (ms) | 15.6±8.6 | 5.9±2.9 | 8.997±2.8 |
| Sag ratio | 0.85±0.09 | 0.96±0.02 | 0.98±0.05 |
| Rheobase (pA) | 90±38.25 | 225±112.2 | 155.8±73.71 |
| Rin (MOhm) | 195.4±75.93 | 98.9±34.48 | 105.4±29.77 |

|  |  |  |
| --- | --- | --- |
| Unitary EPSP kinetics (mean±STD) | SST | PV |
| Rise time (10-90%) (ms) | 4.5±2.87 | 2.9±1.16 |
| Half-width (ms) | 11.35±5.1 | 5.9±2.5 |
| Decay time constant (ms) | 7.9±4.6 | 4.5±2.42 |
| Amplitude (mV) | 0.86±0.15 | 1.6±0.23 |
|  |  |  |

Jian et al, 2015

Gonzalez-Burgos et al 2004

Morabito et al 2024

The sites seem to have trouble loading on allen for some reason, but when they are back up here the links where we got the cells. The number at the end of the url is the specimen ID.

PV is from: <https://celltypes.brain-map.org/experiment/electrophysiology/484635029>

SST is from: [https://celltypes.brain-map.org/experiment/electrophysiology/476686112](https://celltypes.brain-map.org/experiment/electrophysiology/485466109)

Our models:

|  |  |  |
| --- | --- | --- |
| Biophysical properties | SST | PV |
| RMP (mV) | -70.5116 | -75.6089 |
| Rm (MOhm) | 992.7878 | 426.6647 |
| Cm (pF) | 14.831 | 13.1451 |
| Tau (ms) | 14.724 | 5.6086 |
| Sag ratio | 0.9766 | 0.9889 |
| Rheobase (pA) | 10 | 110 |
| Rin (MOhm) | 291.1031 | 105.7324 |

FI – Curve for SST FI – Curve for PV



