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| **Fig. 5 Source Data.** DCN model properties\* | |
| # PCs per CN cell | 30 |
| φ, firing threshold | -38.8 mV |
| Cm, membrane capacitance | 122.3 pF |
| gleak, max leak conductance | 1.63 nS |
| Eleak, leak reversal potential | -56 mV |
| gAMPA, max AMPA conductance | 50 nS |
| gNMDA, max NMDA conductance | 25.8 nS |
| gex\_base, baseline excitatory conductance | 12 nS |
| Eex, excitatory reversal potential | 0 mV |
| ginh, max inhibitory conductance | 5 nS |
| Einh,inhibitory reversal potential | -70 mV |
| gahp, max after-hyperpolarization | 50 nS |
| Eahp, after-hyperpolarization reversal potential- | -70 mV |
| τAMPA, AMPA time constant | 9.9 ms |
| τNMDA, NMDA time constant | 30.6 ms |
| τinh, inhibitory time constant | 2.4 ms |
| τahp, after-hyperpolarization time constant | 2.5 ms |
| \*Sources: Yamazaki and Tanaka, 2007; Person and Raman, 2012 | |