|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Observable | | **LAT** | | **TAU** | | **Distinct**  **correct effects**  **occur**  **at similar**  **parameter values?** | **Correct effects**  **occur at realistic**  **network dynamics (silence, saturation)?** |
| Neuron type | | **Exc.** | **Inh.** | **Exc.** | **Inh.** |
| Expected  LPFC vs MCC  difference ? | | **YES** | **NO** | **YES** | **YES** |
| **Parameter** | **gCAN** | **↓** | **NO** | **↑** | **NO** | **NO** | **NO** |
| **gAHP** | **↑** | **↓** | **NO** | **NO** | **YES** | **YES** |
| **gNMDA** | **NO** | **NO** | **↑** | **↑** | **YES** | **NO** |
| **gGABA-B** | **NO** | **NO** | **↑** | **↑** | **YES** | **YES** |

**Figure 5 – source data 1**. **Summary of the effects of the main parameters determining TAU and LAT in the network model.**