

| Parameter | Value |
|-------------------|-------|
| Δ_{PRE} | 0.8 |
| Δ_{POST} | 0.04 |
| τ_{PRE} | 15 |
| τ_{POST} | 6 |
| τ_E | 100 |
| α_{w-dSPN} | 39.5 |
| α_{w-iSPN} | -38.2 |
| W_{max}^{dSPN} | 0.055 |
| W_{max}^{iSPN} | 0.035 |
| W_{min} | 0.001 |
| c | 2.5 |
| τ_{DOP} | 2.0 |
| α_q | 0.6 |
| C_{scale} | 85 |

Supplementary File 8. STDP parameters.