

Data from: “*Sydney patch clamp recordings. Single pulse stimulation and noise stimulation*”.

Raw data can be fined here:

<https://drive.google.com/drive/folders/1Mg57qliOnv2Z2kW0JD2j9XX6j5TesSic>

*Functions for running eSTA*

| <i>Function name</i> | <i>Remarks</i>   |
|----------------------|--|
| <i>data_maker</i>    | Reads raw data, detects spikes, and convert them to the format suitable for <code>e_sta.m</code> and <code>e_sta_sps.m</code> functions. |
| <i>e_sta</i>         | Load data generated by <code>data_maker.m</code> and plots STAs (for data with visual stimuli_Tuebingen)                                 |
| <i>e_sta_sps</i>     | Load data generated by <code>data_maker.m</code> and plots STAs (for data without visual stimuli_Sydney)                                 |
| <i>run_esta</i>      | Calls <code>e_sta.m</code> for computing and plotting STAs   |

*Codes for running SPS*

| <i>Function name</i>    | <i>Remark</i>   |
|-------------------------|---|
| <i>plot_current_sps</i> | Loads raw data, find spikes and plot rasters for SPS current stimulus |
| <i>plot_voltage_sps</i> | Loads raw data, find spikes and plot rasters for SPS voltage stimulus |
| <i>Run_SPS</i>          | Calls function for plotting data (functions defined above)            |