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*

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| Functions for running eSTA | |
| **Function name** | ***Remarks*** |
| data\_maker | Reads raw data, detects spikes, and convert them to the format suitable for esta.m and e\_sta\_sps.m functions. |
| e\_sta | Load data generated by data\_maker.m and plots STAs (for data with visual stimuli\_Tuebingen) |
| e\_sta\_sps | Load data generated by data\_maker.m and plots STAs (for data without visual stimuli\_Sydney) |
| run\_esta | Calls e\_sta.m for computing and plotting STAs |
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| Codes for running SPS | |
| **Function name** | **Remark** |
| plot\_current\_sps | Loads raw data, find spikes and plot rasters for SPS current stimulus |
| plot\_voltage\_sps | Loads raw data, find spikes and plot rasters for SPS voltage stimulus |
| Run\_SPS | Calls function for plotting data (functions defined above) |