



**Figure S1. Number of available units for the analysis for the *Functional Connectivity* data set.** (A) Sorted units available for analysis after spike sorting process (“valid wave-forms”), after applying filters of the AllenSDK (“quality metrics”), after selecting only units of the “Functional Connectivity set” and after ensuring that the recordings of the selected “stimuli” for each unit are long enough and do not include invalid spike times (Methods). (B) Numbers of units for each session and for each area available for analysis after filtering.