|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Authors** | **Median FDR** | **Mean FDR** | **# Units** | **τc (ms)** | **Probe** | **Sorter** |
| Xu et al.  *Nature* (2022) | 3.1% ± 0.5% | 14.3% ± 0.4% | 3046 | 0 | H2/H3  *Cambridge Neurotech* | Kilosort |
| Economo et al.  *Nature* (2018) | 3.1% ± 0.6% | 12.5% ± 0.5% | 1988 | 0.25 | H2  *Cambridge Neurotech* | JRClust |
| Gao et al.  *Nature* (2018) | 4.4% ± 0.7% | 18.7% ± 0.6% | 1923 | 0.5 | H2/A4  *Cambridge Neurotech*  *NeuroNexus* | UltraMegaSort2000 |
| Li et al.  *Nature* (2016) | 4.5% ± 0.8% | 19.7% ± 0.7% | 1543 | 0.85 | A4  *NeuroNexus* | UltraMegaSort2000 |
| Inagaki et al.  *Cell* (2022) | 6.2% ± 0.3% | 17.7% ± 0.3% | 7968 | 0.25 | HH-2/Neuropixels?  *Janelia* | JRClust/Kilosort |
| Guo et al.  *Nature* (2017) | 6.5% ± 0.7% | 18.8% ± 0.6% | 1936 | 0.85 | A4/A2  *NeuroNexus*  *Janelia* | UltraMegaSort2000 |
| Steinmetz et al.  *Nature* (2019) | 6.9% ± 0.2% | 28.0% ± 0.1% | 48661 | 0 | Neuropixels 1.0 | Kilosort |
| Sylwestrak et al.  *Cell* (2022) | 12.8% ± 0.4% | 29.1% ± 0.3% | 10548 | 0.25 | Neuropixels 2.0 | Kilosort |
| Stringer et al.  *Science* (2019)✝ | 21.9% ± 0.5% | 33.1% ± 0.4% | 6446 | 0 | Neuropixels 1.0 | Kilosort |
| Finkelstein et al.  *Nature Neuroscience* (2021) | 23.3% ± 0.5% | 32.9% ± 0.4% | 5164 | 0.25 | H2  *Cambridge Neurotech* | JRClust |
| Chinta & Pluta  *Nature Communications* (2023) | 28.2% ± 1.3% | 36.2% ± 1.0% | 991 | 0 | NeuroNexus | Kilosort |
| Juavinett et al.  *eLife* (2019)✝ | 52.9% ± 0.8% | 45.4% ± 0.6% | 2256 | 0 | Neuropixels 1.0 | Kilosort |

✝Calculated using homogeneous equation

**Table 1**. Mean and median FDR of publicly available spike-sorted electrophysiology datasets