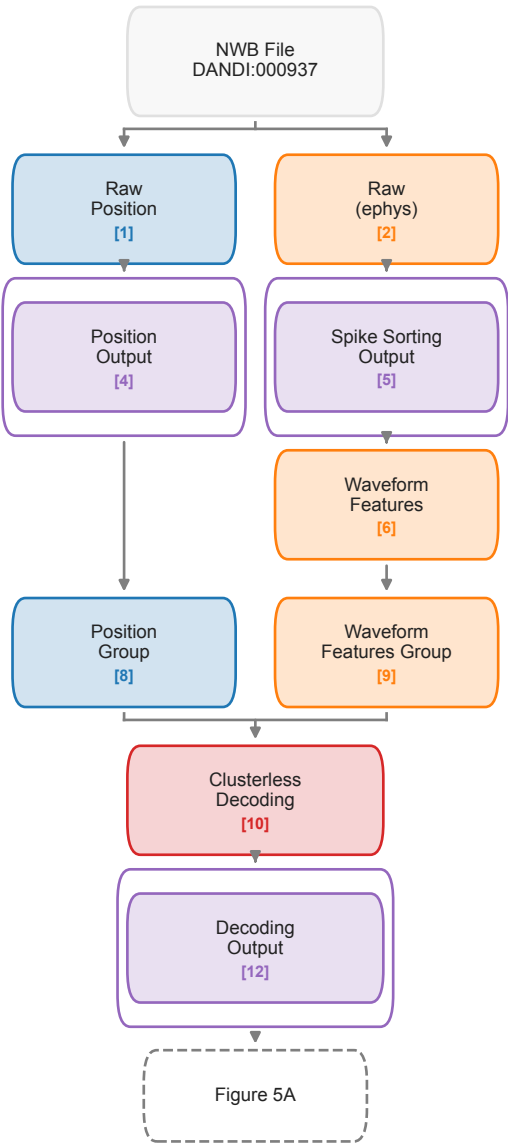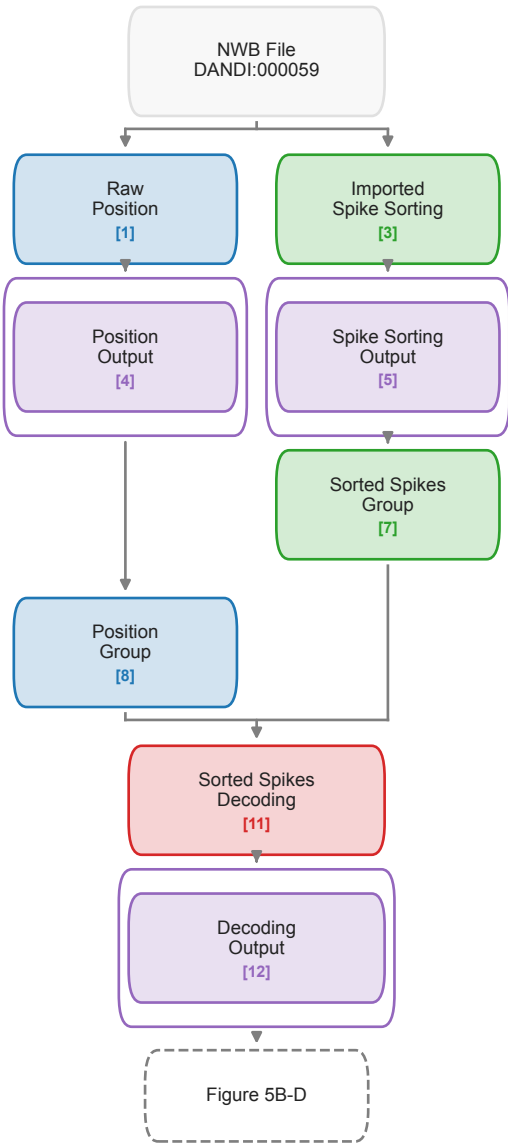**A** UCSF Dataset

(Clusterless Decoding)

B NYU Dataset

(Sorted Spikes Decoding)

Position processing | Neural (clusterless) | Neural (sorted) | Decoding | Merge table

Table Reference

Sources

[1] TrodesPosV1 – Position processing

[2] SpikeSortingRecording – Spike detection & sorting

[3] ImportedSpikeSorting – Pre-sorted units from NWB

Aggregation (Merge Tables)

[4] PositionOutput – Aggregates position sources

[5] SpikeSortingOutput – Aggregates spike sorting sources

[12] DecodingOutput – Aggregates decoding results

Feature Extraction & Grouping

[6] UnitWaveformFeatures – Waveform amplitudes

[7] SortedSpikesGroup – Group sorted units

[8] PositionGroup – Group position data

[9] UnitWaveformFeaturesGroup – Group waveform features

Analysis

[10] ClusterlessDecodingV1 – Decode from waveform features

[11] SortedSpikesDecodingV1 – Decode from sorted spikes