

C

Epileptic Spike

Fast Activity

Periodic Slow Wave

Α

В

ISI

Waveform

including template waveforms. (B, E and H) ISI histogram of inter-spike-interval. (C, F and I) firing-rates time-locked of detected units to the different epileptic patterns, respectively. Significant increases and decreases in firing-rate compared to baseline are indicated in yellow and blue, respectively.