Figure S1. Representative filtered (250 Hz corner, 4th order Butterworth, high-pass) high speed recordings from each implanted carbon fiber at day 1 post-operatively.
Figure S2. Average waveforms of sorted units detected on each implanted site at day 1 post-operatively.
Figure S3. Representative filtered (250 Hz corner, 4<sup>th</sup> order Butterworth, high-pass) high speed recordings from each implanted carbon fiber at day 31 post-operatively.
Figure S4. Average waveforms of sorted units detected on each implanted site at day 31 post-operatively.