**Source Data for Figure 1.**

We provide recordings of transient currents as indicated in the table below. Recordings were low-pass filtered at 1 kHz (4-pole Bessel filter) and digitized with a sampling rate of 100 kHz. After data acquisition, the currents were baselined and low-pass filtered at 100 Hz (Gaussian filter).

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| --- | --- |
| **File allocation** |  |
| Fig. 1b | Comparison of transient currents induced by either 5-HT (30 μM) or cocaine (100 μM) in paired recordings. |
| Fig. 1d | Current decay rates as a function of cocaine concentration. |
| Fig. 1g | Comparison of transient currents induced by cocaine (100 μM) in presence or absence of extracellular Cl-. |