Identification of cell types contributing to the Ca\(^{2+}\) waves. (a) Two-photon images of a cortical slice stained with both the Ca\(^{2+}\) indicator OG-1 (left) and the astrocyte-specific marker sulforhodamine 101 (middle). The right image represents an overlap of the two images. (b) Traces represent fluorescence recordings from the cells marked with appropriate numbers in (a). (c) Bar graphs illustrating properties of neuronal and glial Ca\(^{2+}\) transients. Asterisks indicate that the difference between two corresponding bars is significant (Mann-Whitney test, \(z > 2.6\)).