Supplemental Figure S1. Extraction of the phase of the STRF temporal profile. (1) For separable STRFs, singular value decomposition (SVD) separates the STRF into the product of a spectral profile rf(x) and a temporal profile $ir(\tau)$. (2) In order to compute the phase of the temporal profile, we first compute its Fourier transform (FFT) in order to obtain IR(w), a complex valued function which specifies the amplitude A(w) and phase $\phi(w)$ for each harmonic w component of the temporal profile. (3) A linear regression is then fit to $\phi(w)$ using the phases of the first six harmonics. The phase of the temporal profile is extracted as the phase intercept along the ordinate.