Figure S2. Photoreaction kinetics of cR3, bR and archaeal rhodopsin-2 (aR2) at 24°C.  A,B) Photoreaction of cR3 in the claret membrane of *Haloarcula vallismortis* at pH 7 and 8.  C) Photoreaction of bR in the purple membrane of *Halobacterium salinarum* at pH 7.5.  D) Photoreaction of aR2 in the claret membrane of *Halorubrum sp. Aus-2* at pH 7.  Right panels: Flash-induced absorption changes observed at various wavelengths. In the investigated time range, absorption changes were fitted with four or five exponential components. Left panels: the amplitude of each exponential component is plotted against the wavelength of the measuring light.