



Figure S1. The marginal distributions of all seven individual angles. The distributions in the experimental data set are shown as histograms. The density functions for the mixture model are shown as gray lines. The black lines show the densities for BARNACLE, calculated from the stationary probability distributions [Cappé O, Moulines E, Ryden T (2005) Inference in hidden Markov models. New York: Springer. 654 p.].