Supplementary figure: distributions of the calculated refraction associated with the individual multivariate Gaussian modes, considered over 100 runs of the EM algorithm. For one or two multivariate Gaussians the refractive distributions associated with the individual modes display very little variation between runs (first two panels), indicating a very stable fit. Starting at three Gaussians (top right) the variation increases considerably, most likely due to overfitting the random subsample used as an initial estimate by the EM algorithm. This variation progressively worsens when more Gaussians are considered (bottom row).