

Figure S1. Latitudinal component of geostrophic current velocity for the studied transects.

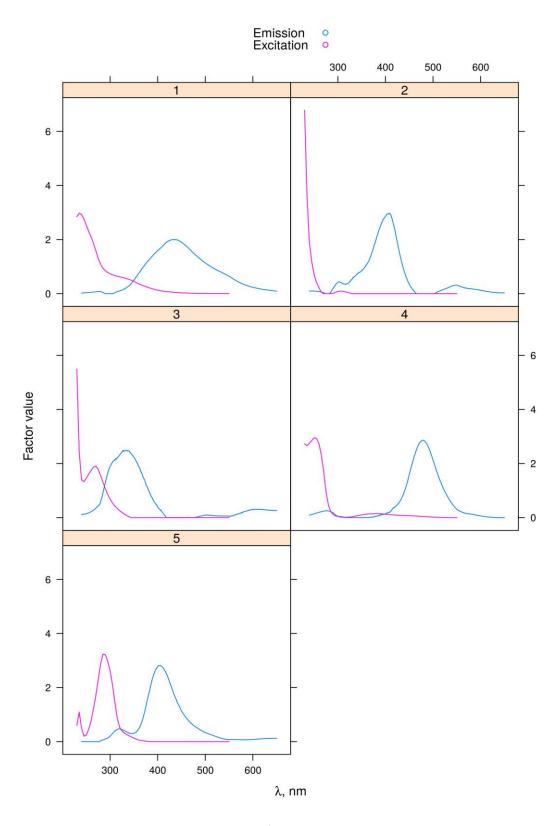


Figure S2 Excitation and emission spectra for 5-component PARAFAC model, including short-wave excitation range (230-550 nm).

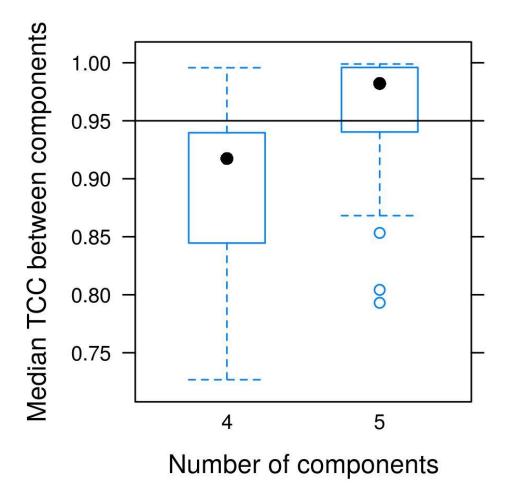


Figure S3. Randomized split-half validation for the PARAFAC model with short-wave excitation (the dataset has been randomly shuffled and split in halves 100 times).

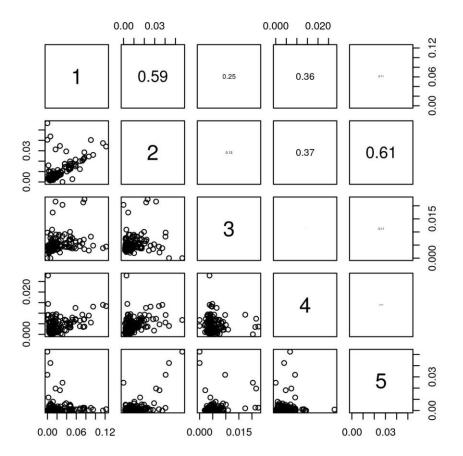


Figure S4. Pair correlation for scores of the 5-component PARAFAC model with short-wave excitation.