Electronic Supplementary Material for the paper 'A multi-proxy inference of Jomon population dynamics using Bayesian phase models, residential data, and summed probability distribution of 14C dates'
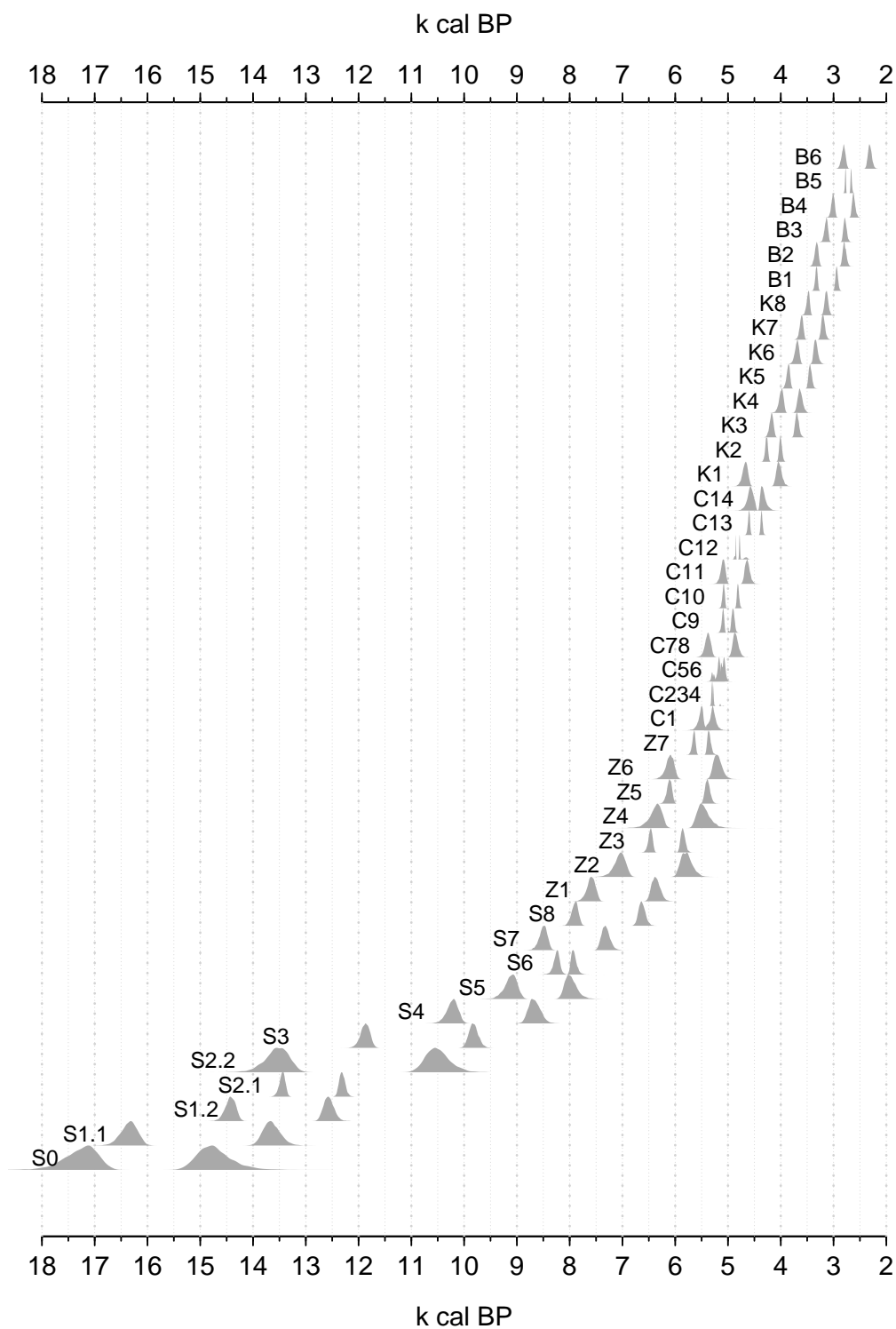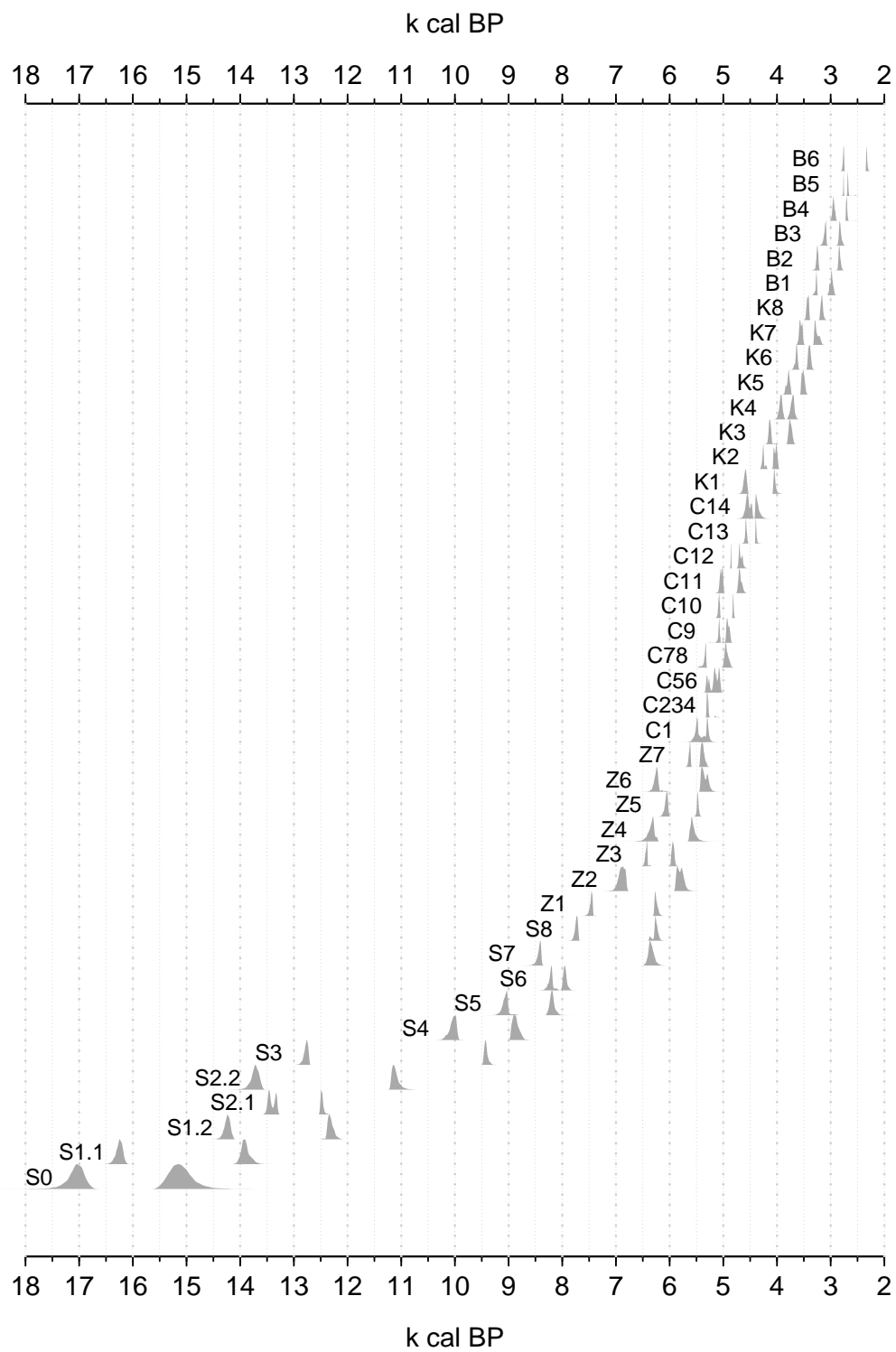
E.Crema

Setup and Introduction

This pdf document was rendered from an R markdown document in order to ensure full reproducibility. Readers interested in accessing the source file and associated data can download the entire repository from github or zenodo . Notice that the entire workflow requires long processing time (i.e. > 24 hours) and the use of external software (i.e. OxCal), hence major analysis were pre-processed (see the `log.R` file in the repository) and stored into a series of R images. For further information please read the `README.md` document in the repository.
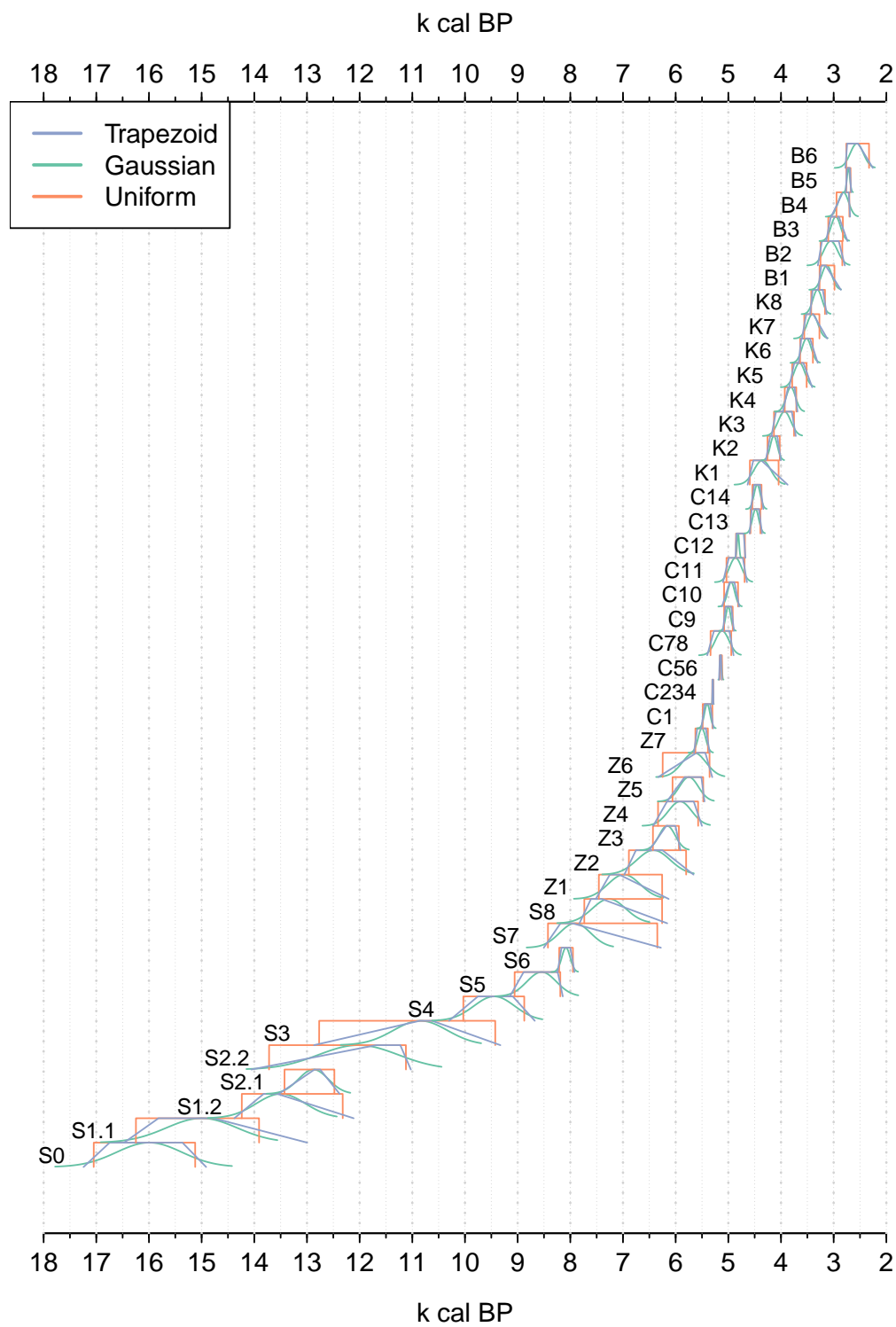
Using different ceramic phase models

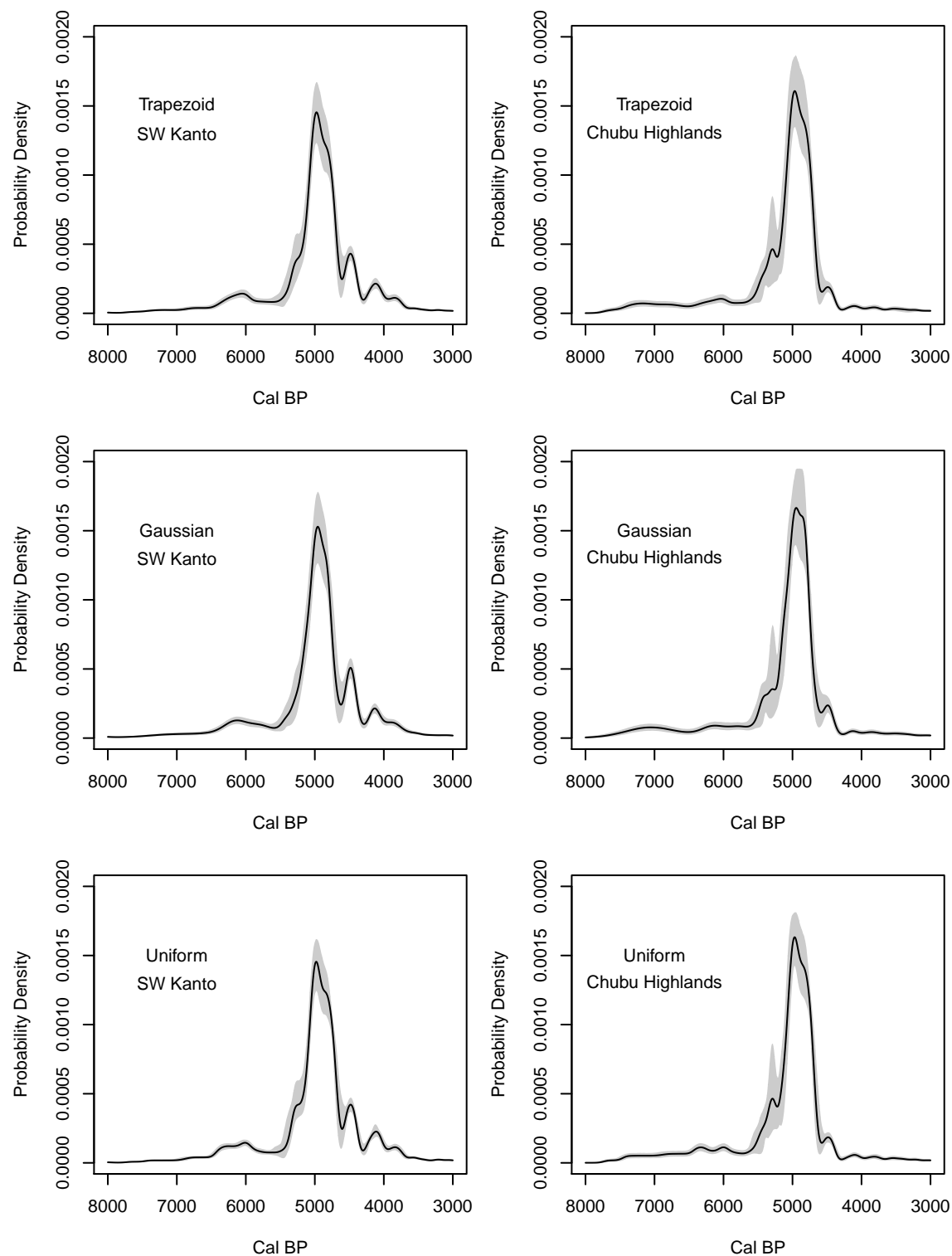**ESM Figure 1. Posterior Distribution of Gaussian Model**

ESM Figure 2. Posterior Distribution of Uniform Model

ESM Figure 3. Comparison of Mean Posterior Parameters

k cal BP

ESM Figure 4. Comparison of pithoure KDE with ceramic phases based on Trapezoid, Gaussian, and Uniform Models

ESM Figure 5: Bin-Sensitivty Analysis