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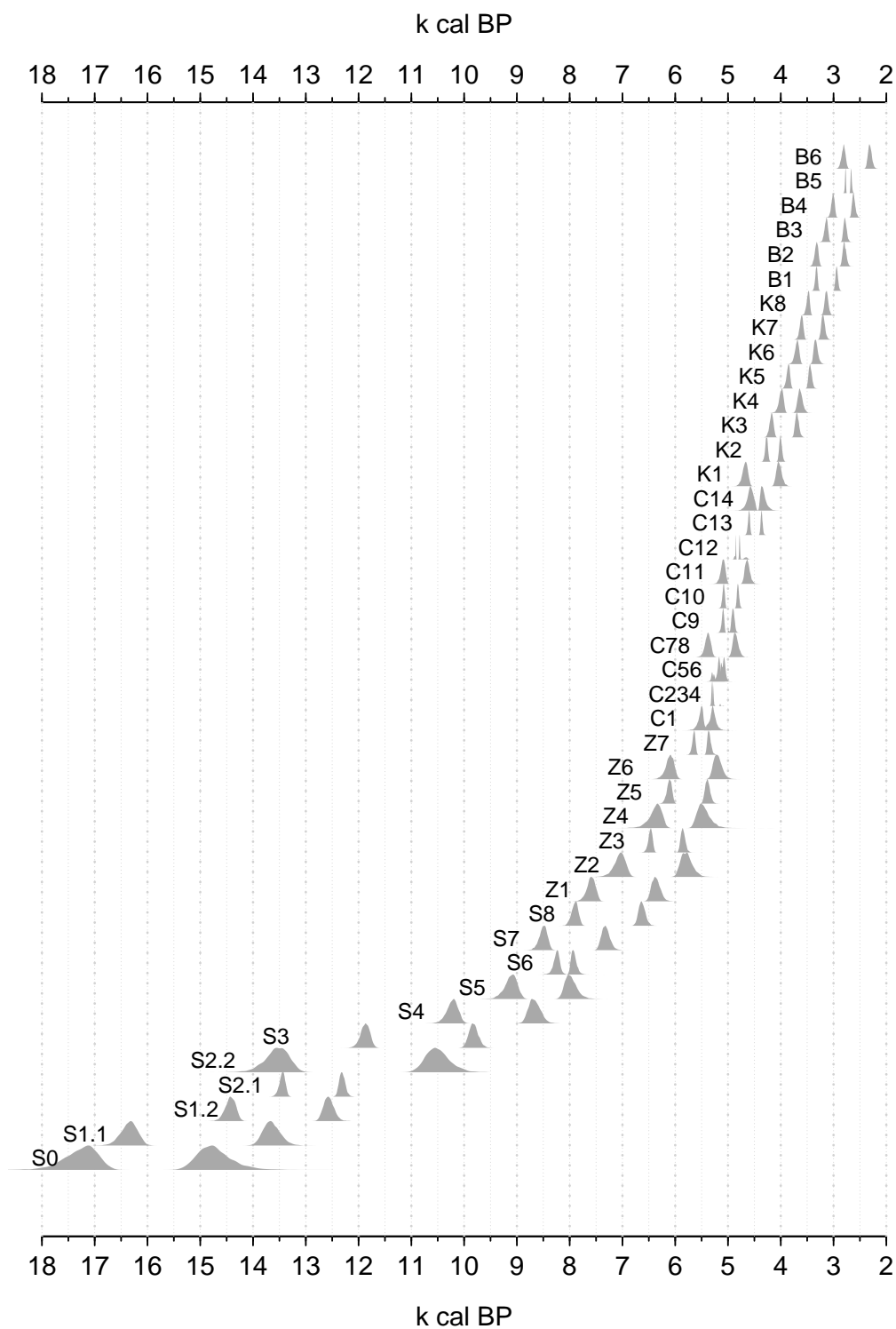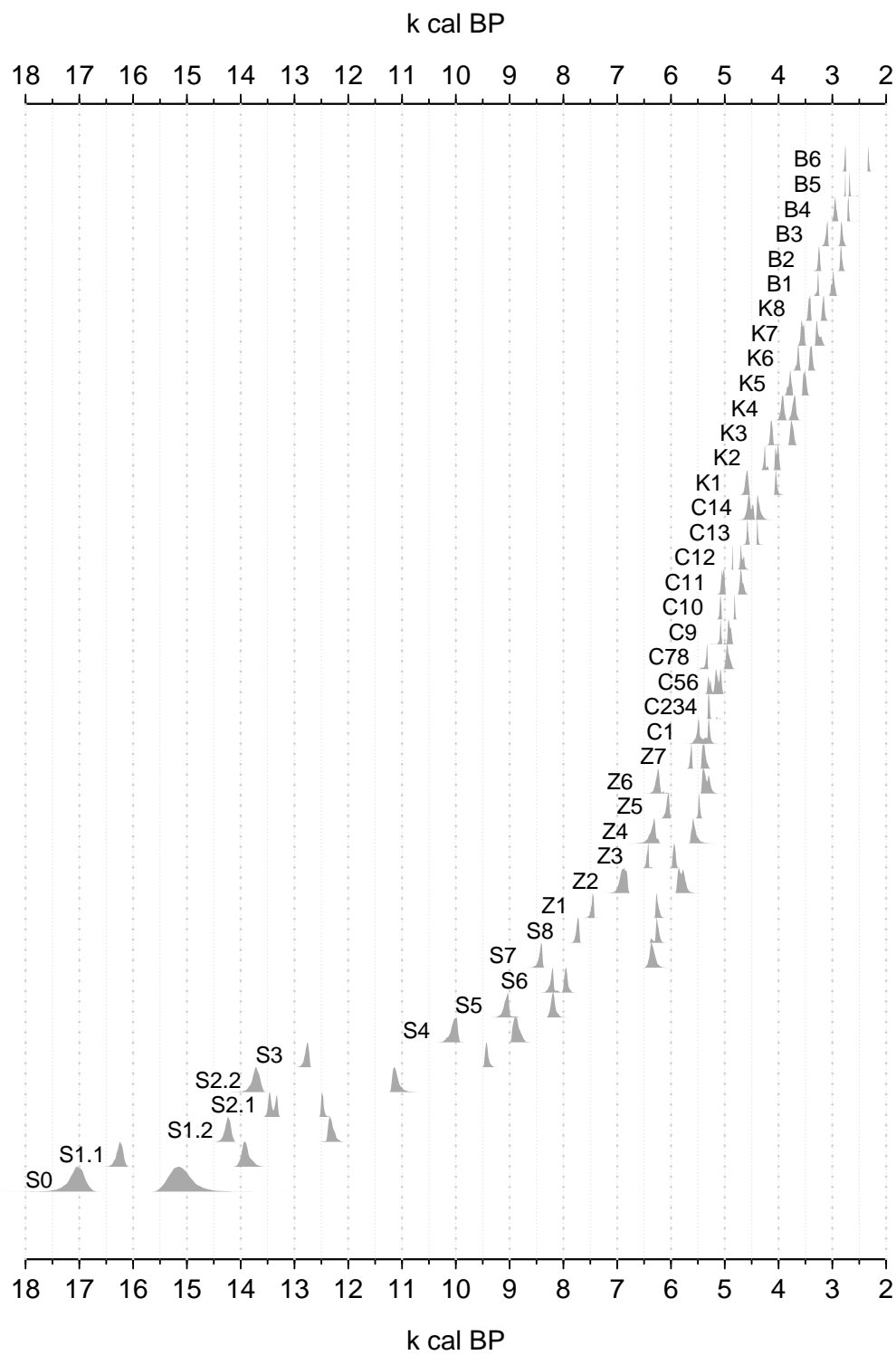
E.Crema

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. 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.
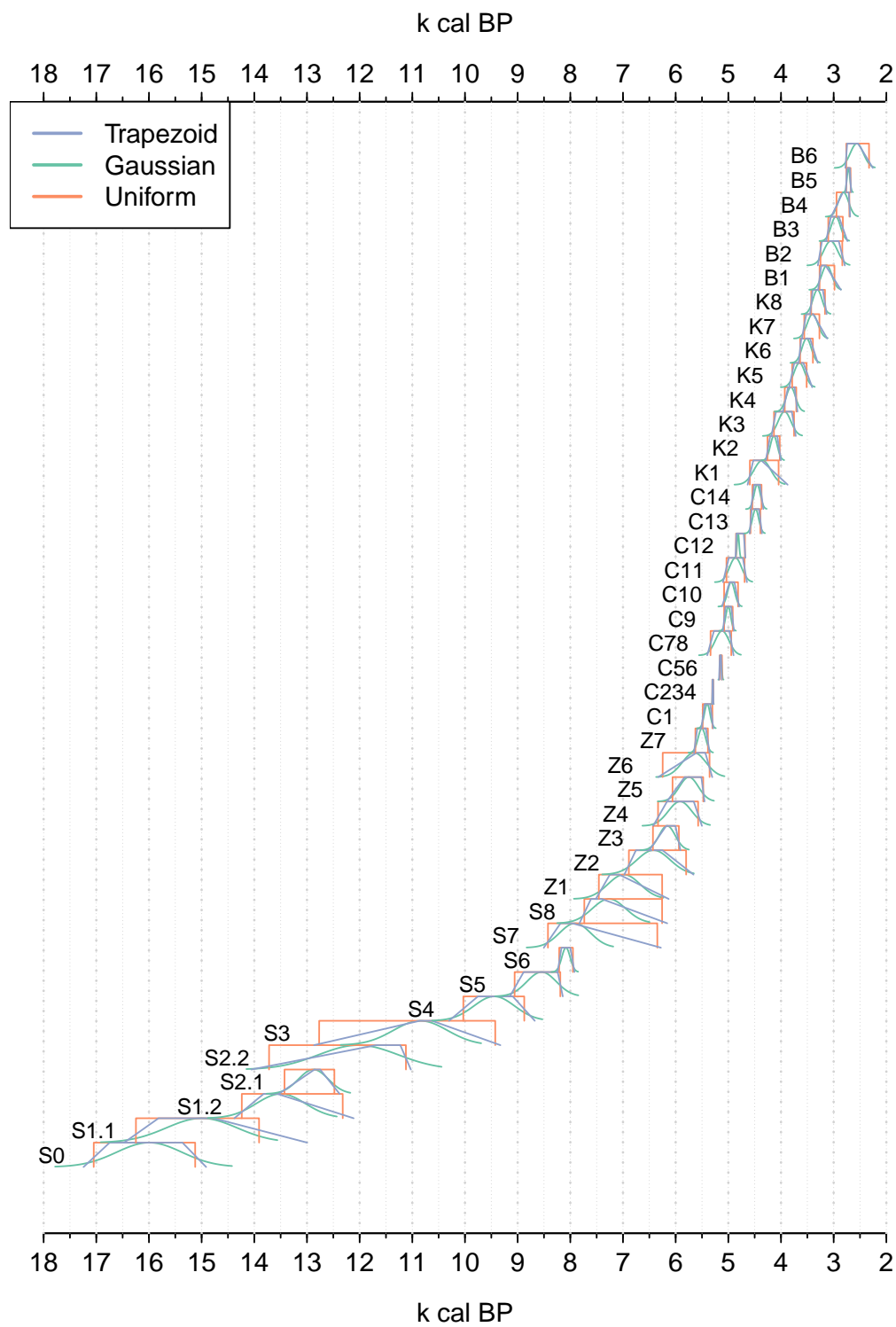
Using different ceramic phase models

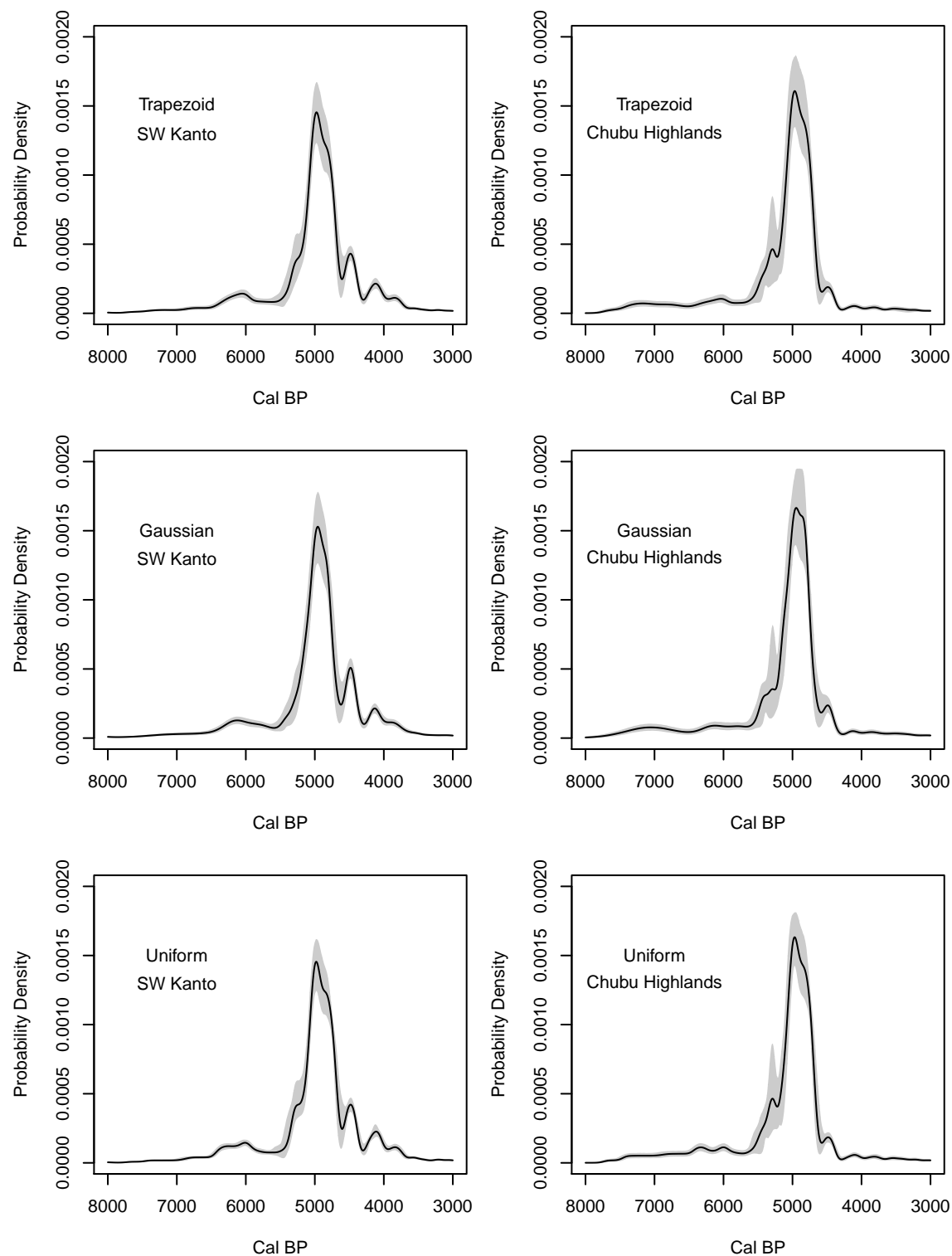**ESM Figure 1. Posterior Distribution of Gaussian Model**

ESM Figure 2. Posterior Distribution of Uniform Model

ESM Figure 3. Comparison of Mean Posterior Parameters

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

ESM Figure 5: Bin-Sensitivty Analysis