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**Supporting information for article:**

***In situ* monitoring of hydrothermal reactions by X-ray diffraction with Bragg–Brentano geometry**

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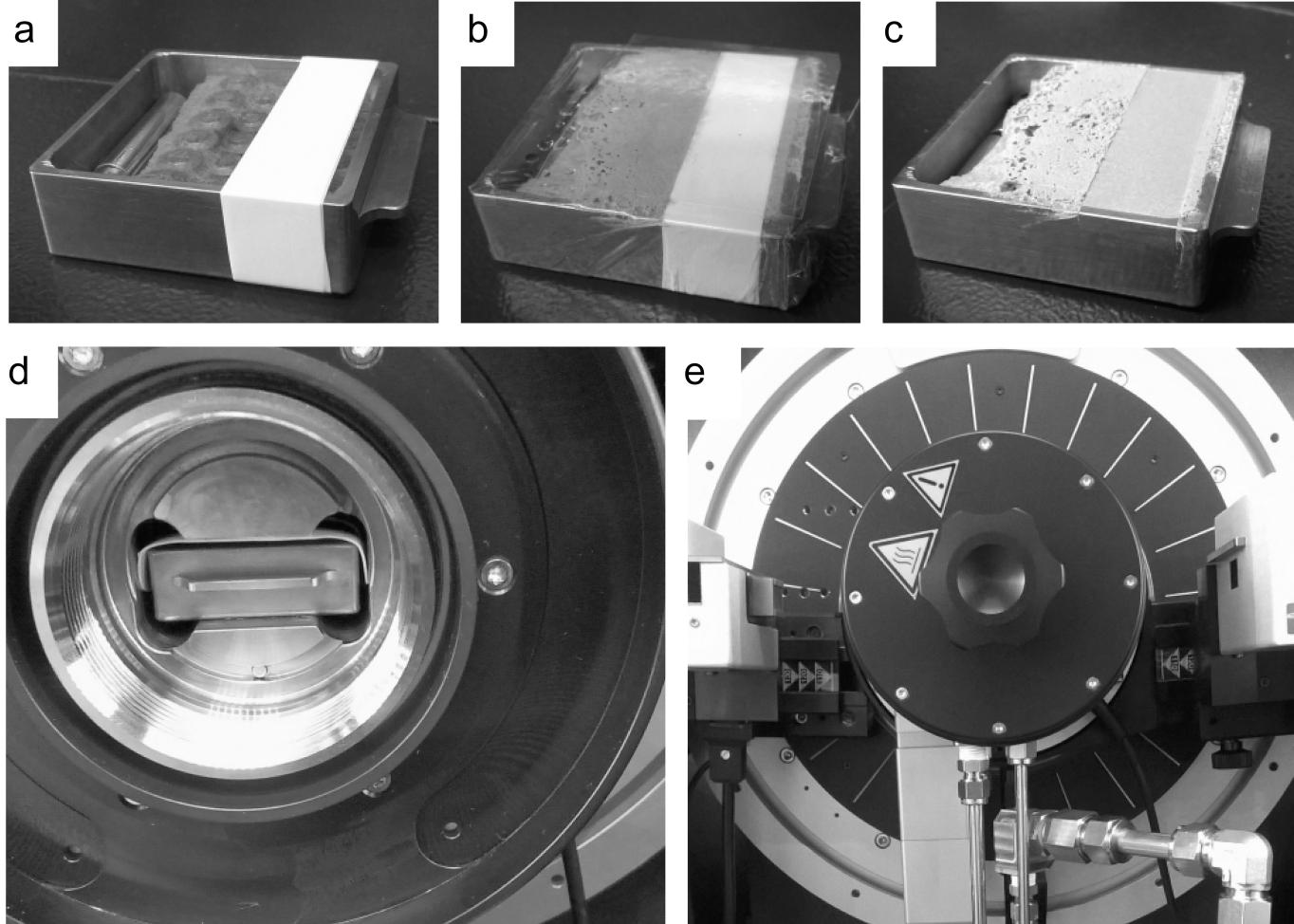


Figure S1. Sample tray with hollow stainless steel cylinders (a) prior casting the slurry, (b) tray wrapped in PE foil during hydration and (c) sample state before loading. Autoclave chamber (d) loaded with a sample and its cover and (e) closed with the screw-on lid.

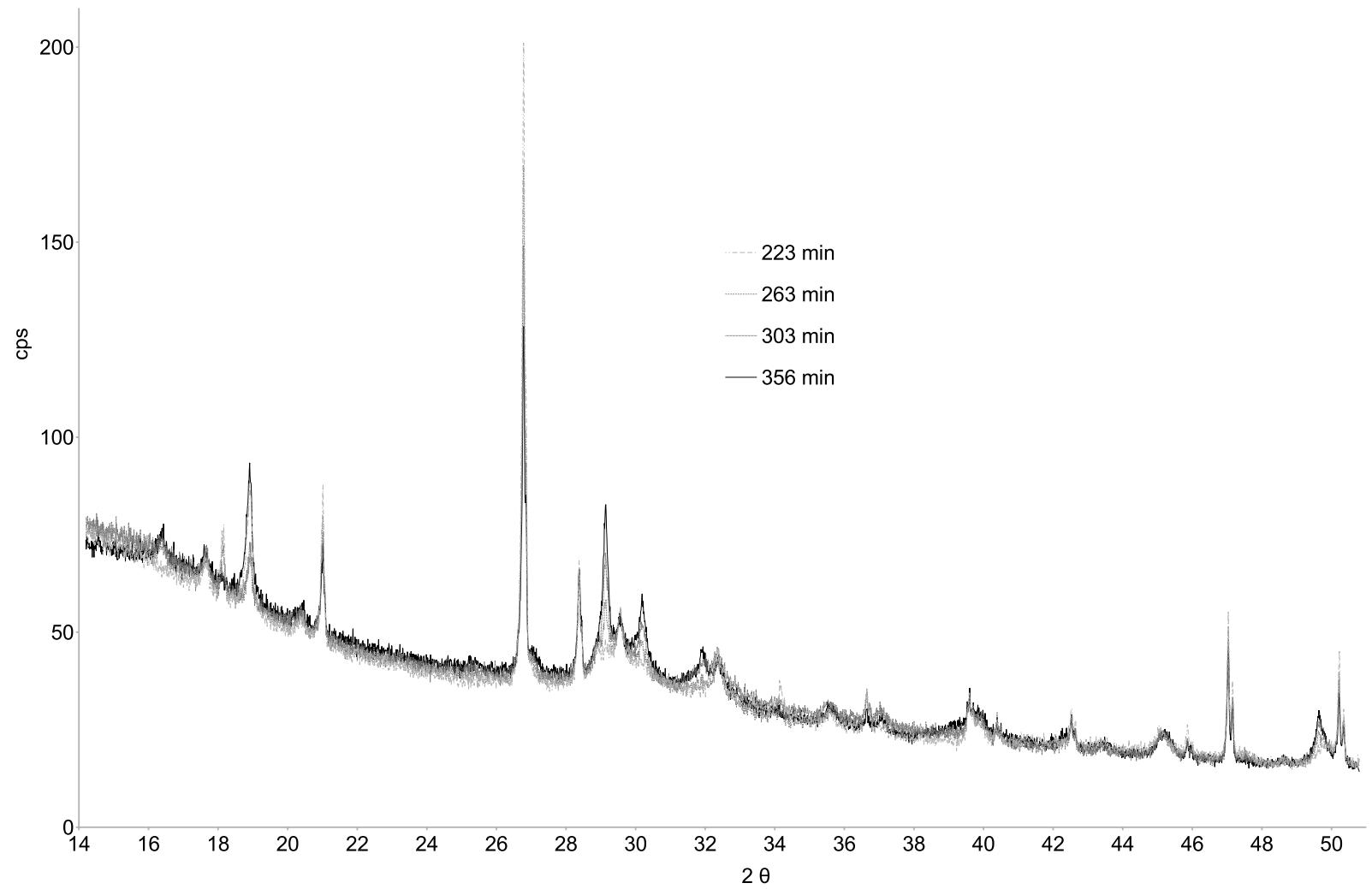


Figure S2. Full range for the plots in Fig. 2.

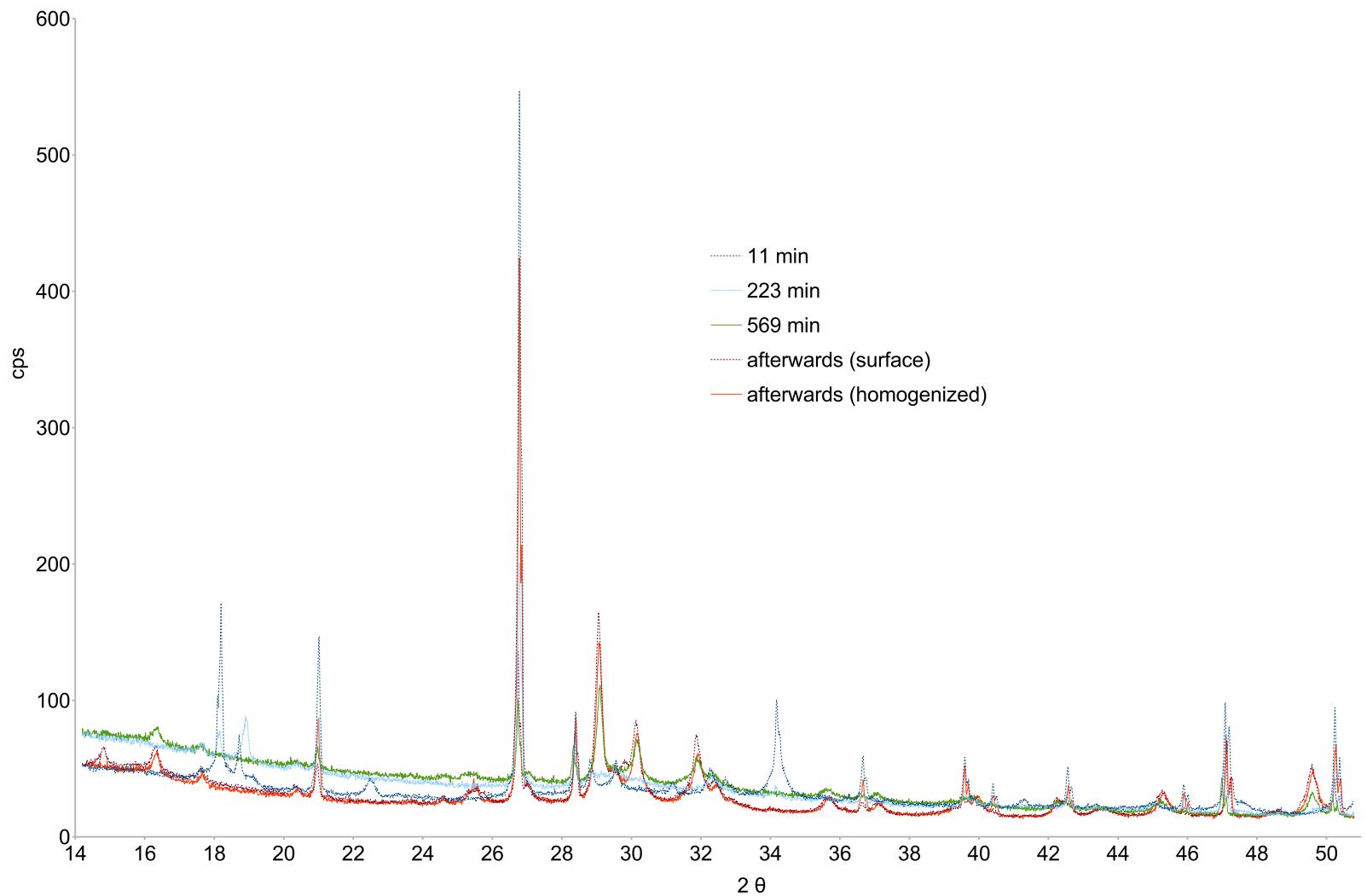
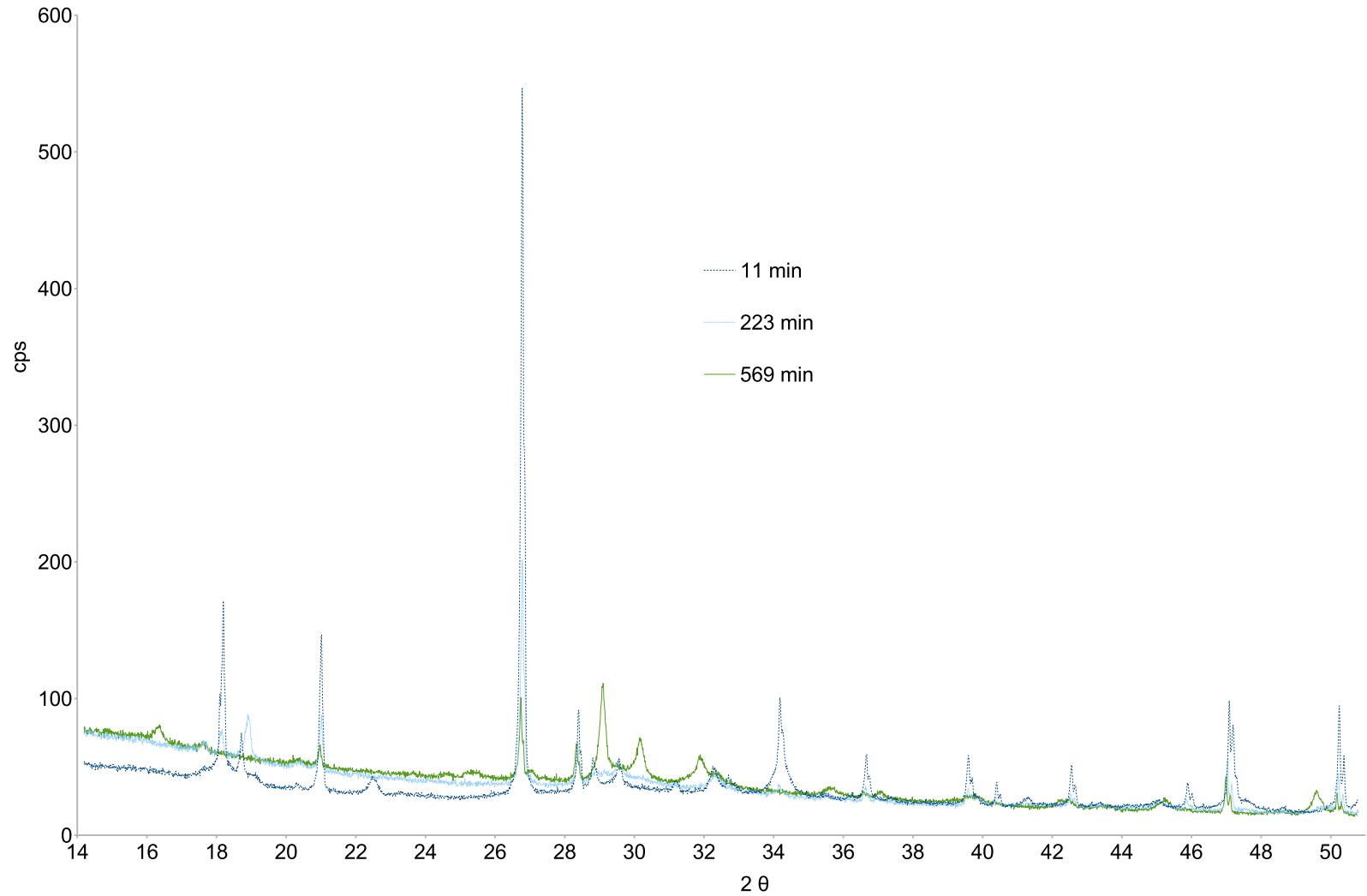
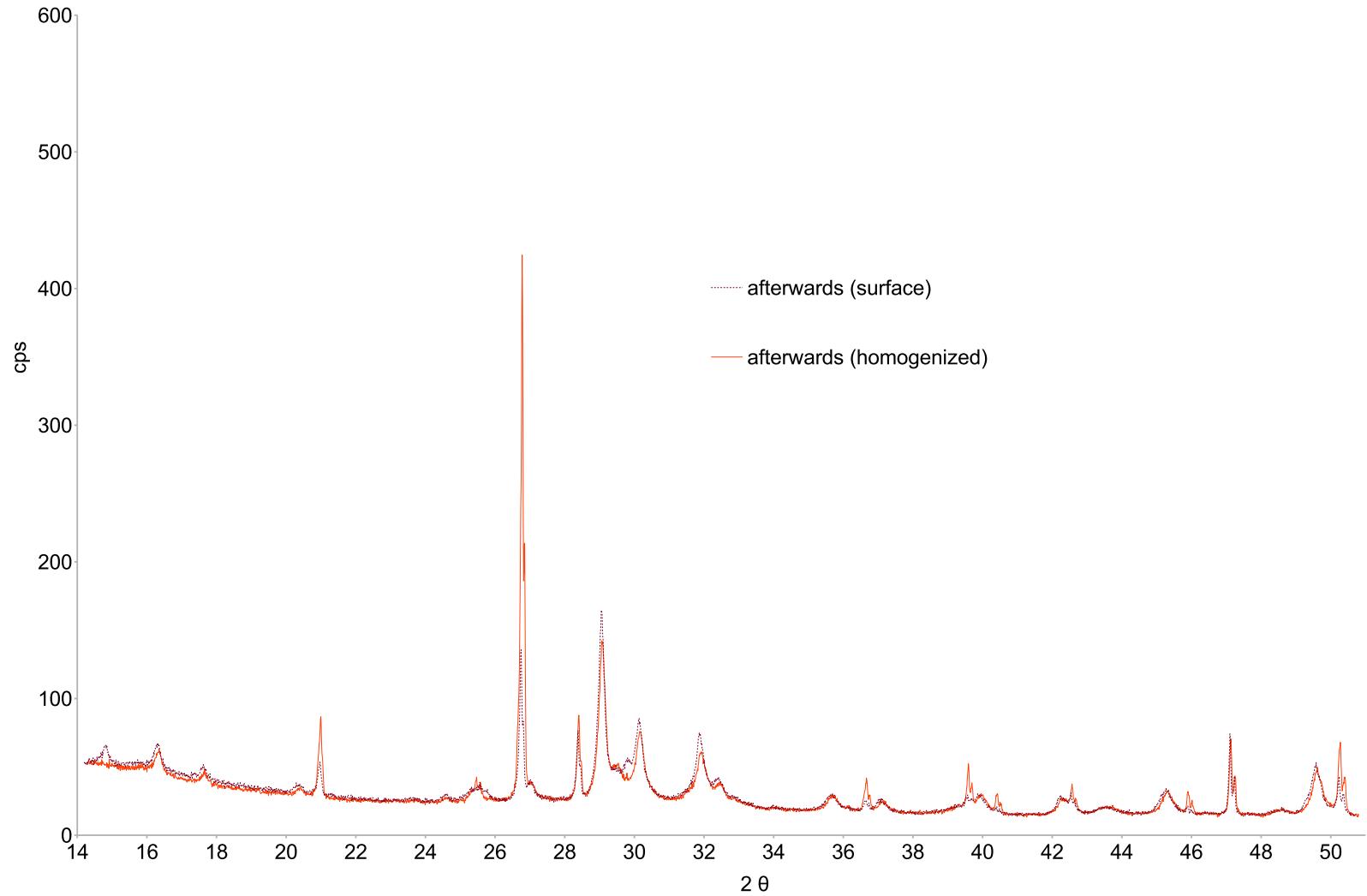


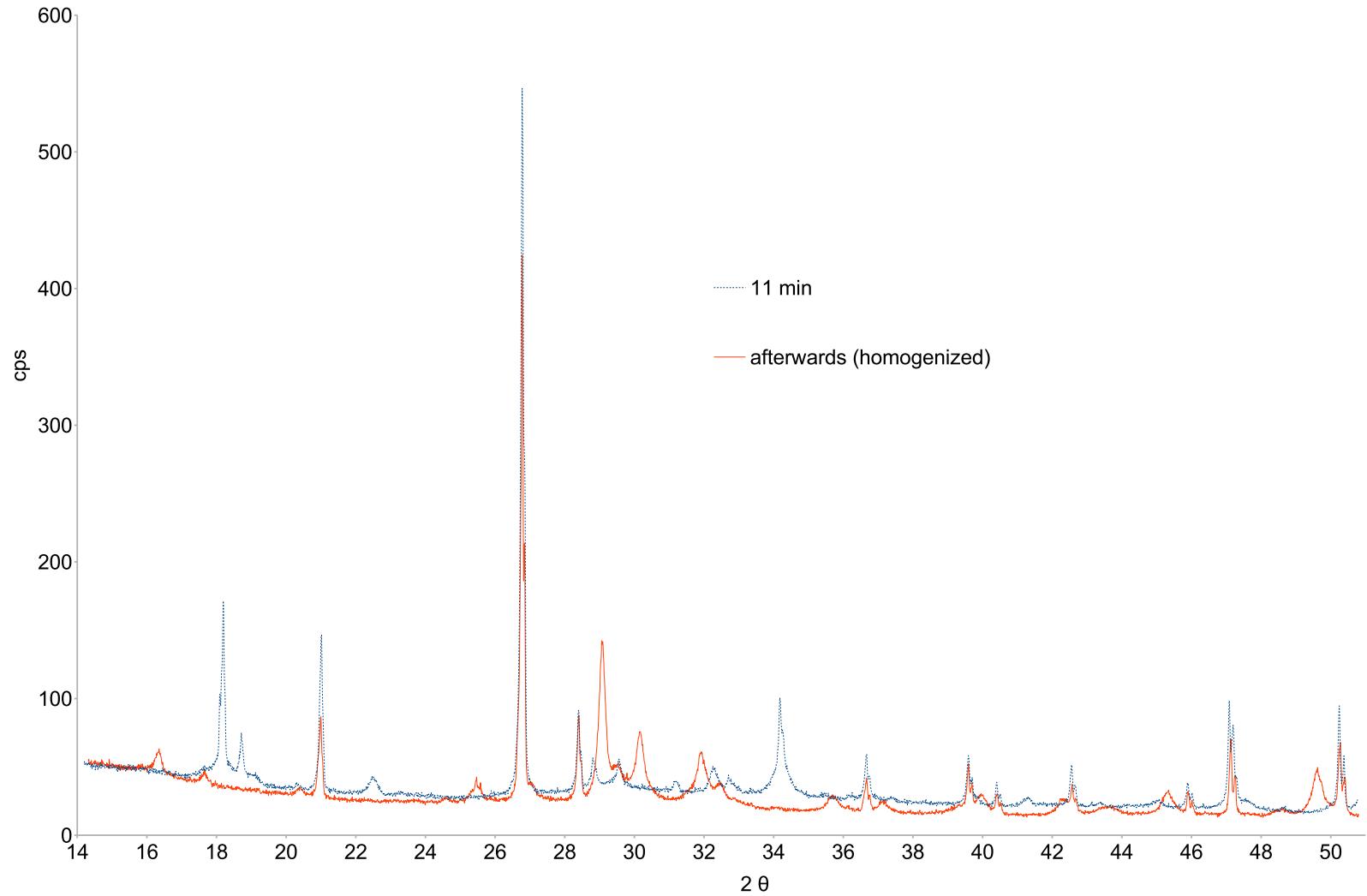
Figure S3. Full range for the plots in Fig. 4.



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