Supplementary Information

Global Small-Angle X-ray Scattering Data Analysis of Triacylglycerols in the α-Phase (Part II)

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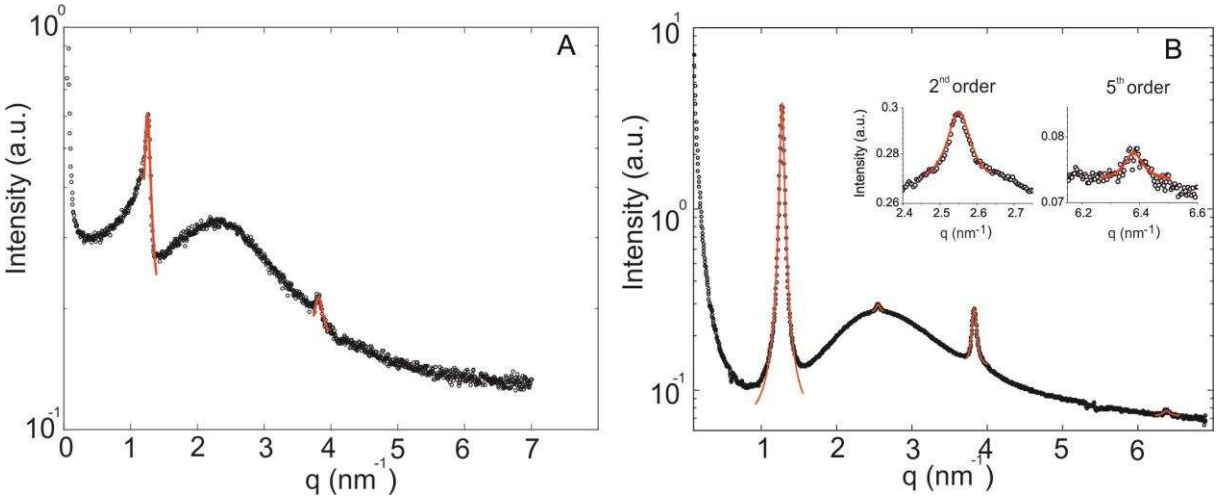

Figure S1. Analyzing the nanostructure of CB at 20 °C. (A) Typical small angle X-ray scattering pattern of the α-polymorph of CB, showing two diffraction peaks (SAXSpace, Anton Paar GmbH, Austria). (B) Small angle X-ray scattering pattern of the α-polymorph of CB, displaying five diffraction peaks (taken at the I22 SAXS beamline from the Diamond Light Source). In the latter case, the sample was contained in thin-walled glass capillary. The beamline was configured to deliver 18 keV X-rays, and the image was recorded using a Dectris Pilatus 2M detector at a distance of 3.74 m from the sample position. Diffraction images were integrated using a custom software package developed using the IDL programming language and calibrated against silver behenate, which has a well-defined layer spacing of 5.84 nm. In both cases, the peak fittings are shown with solid red lines. The obtained amplitude data is summarized in Table 1 of the main manuscript.