

Supporting Information

Water-Lipid Interface in Lipidic Mesophases with Excess Water

Yang Yao,^{1a} Sara Catalini,^{2,3a} Paolo Foggi,^{2,3} and Raffaele Mezzenga^{1,4*}

¹*Department of Health Sciences and Technology, ETH Zürich, 8092 Zurich, Switzerland*

²*European Laboratory for Non-Linear Spectroscopy, LENS, 50019, Firenze, Italy*

³*Department of Chemistry, University of Perugia, Via Elce di Sotto 8, 06123 Perugia, Italy*

⁴*Department of Materials, ETH Zurich, 8093 Zürich, Switzerland*

^aThese authors contributed equally: Yang Yao, Sara Catalini

*Authors for correspondence: E-mail: raffaele.mezzenga@hest.ethz.ch

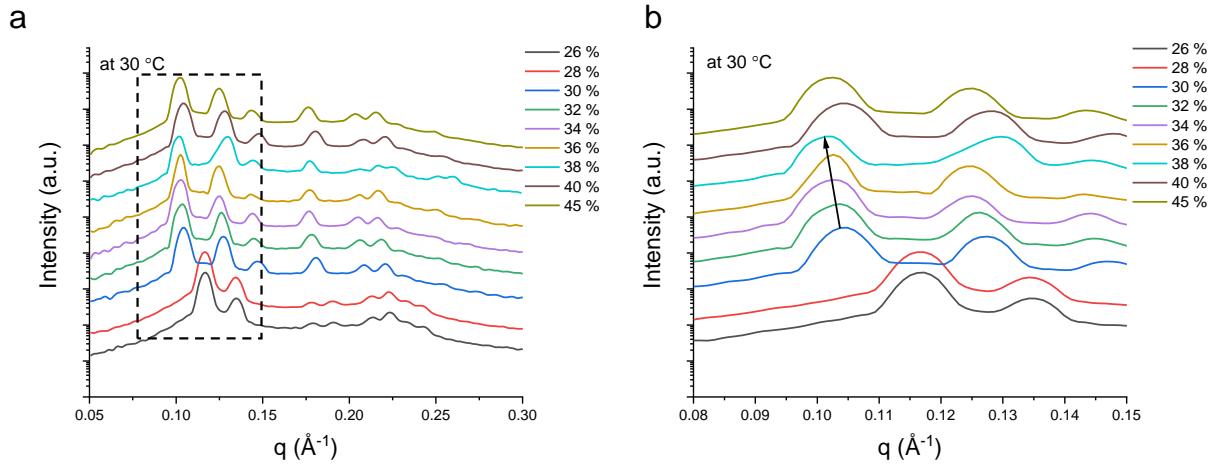


Figure S1. (a) Comparison of SAXS profiles of monolinolein-based lipidic mesophase with different water fractions obtained at 30 °C. Figure S2 (b) is the magnification of (a) in the dashed frame region.

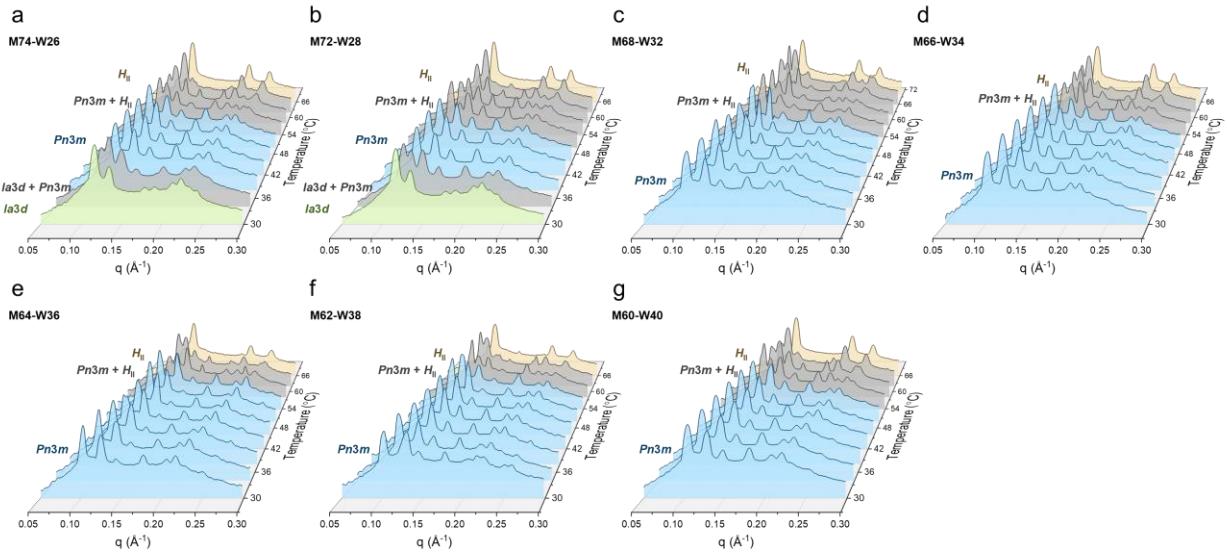


Figure S2. SAXS profiles of (a) M74-W26, (b) M72-W28, (c) M68-W32, (d) M66-W34, (e) M64-W36, (f) M62-W38, and (g) M60-W40 as a function of temperature.

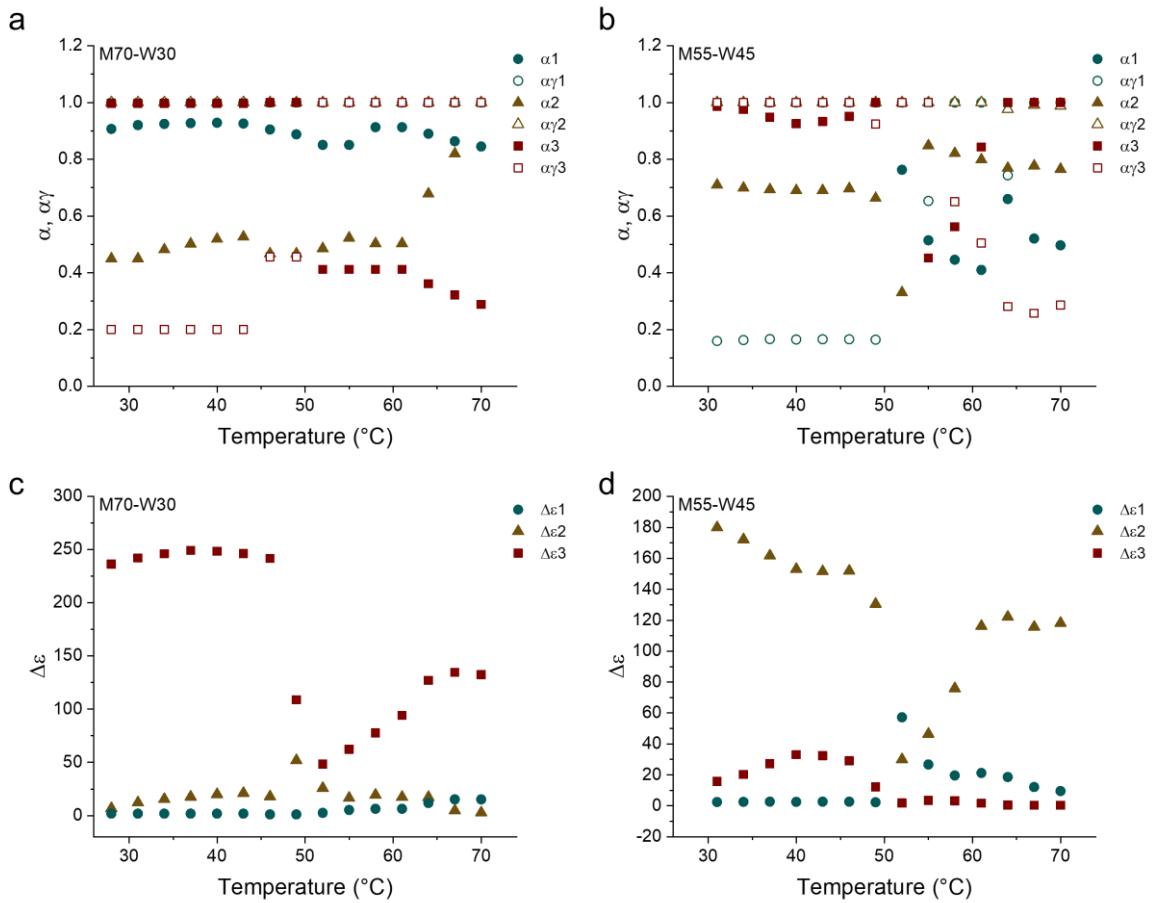


Figure S3. α , $\alpha\gamma$ parameters obtained from fitting of dielectric spectra for (a) M70-W30 and (b) M55-W45. Intensity of dielectric loss ($\Delta\epsilon$) obtained from fitting of dielectric spectra for (c) M70-W30 and (d) M55-W45.