

Supplemental Material For:

**Effect of Surface and Shear on Nano-Confined
Smectic-A Liquid Crystal Studied by X-Ray
Diffraction**

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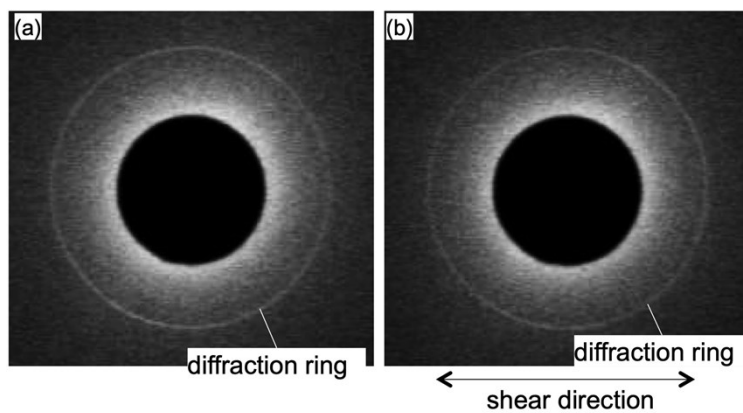


Fig.S1 X-ray diffraction images of 8CB confined between silica surfaces obtained at D_{HW} (= ca. 2 nm) (a) without shear, (b) under shear (input voltage $U_{\text{in}} = 10$ V, frequency $f = 96.5$ Hz). The black circular spot at the center of the diffraction images corresponds to the shadow of a beam stopper for the direct X-ray beam.