Supporting information for: Thieno[3,2-b]thiophene derivatives exhibiting semiconducting liquid-crystalline phases at lower temperatures

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Fig. S1. DSC profiles : (a)1a and (b) 4a and (c) 4b.
Fig S2. Smectic A (a), smectic E (b) phases and arced focal conic (filament-like) textures (c) of 1a.

Fig S3. Hole mobilities of 1b (a) and 3 (b) as a function of temperature.
Fig S4. Transient photocurrent of compound 1a; (a) hole carrier and (b) electron carrier at room temperature.