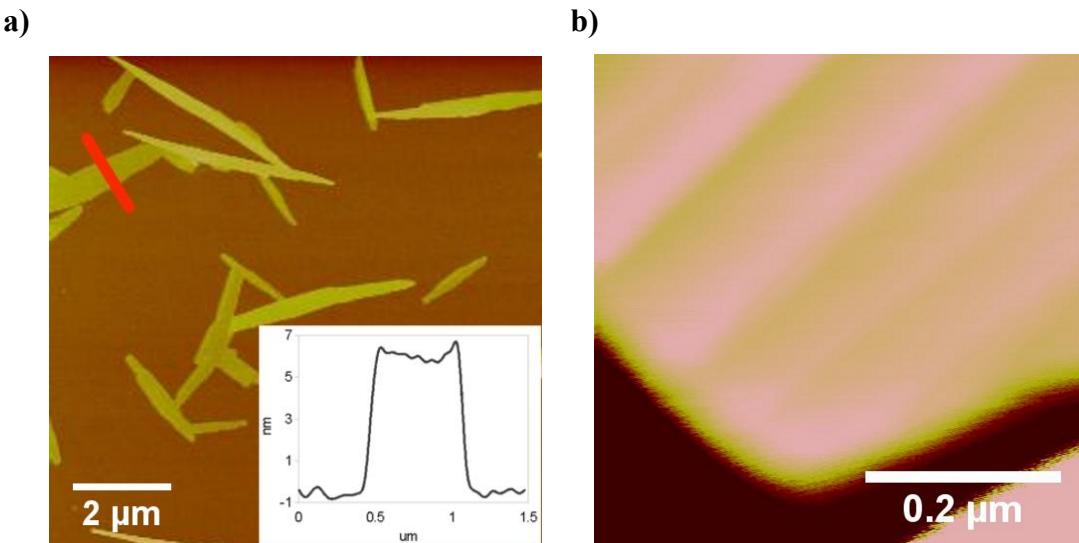


## Integration of self-assembled discotic-based fibres into field effect transistors: a comparison of preparation approaches

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### Fibre morphology:



S1: (a) The top surfaces of SVA-formed fibres are seen to be flat with a roughness of less than 1 nm. Inset shows the cross-section taken along the red line (b) The tops of SIP prepared fibres were seen in AFM to be corrugated (fast SIP fibre on SiO<sub>x</sub>).

**Crystallographic structure:**

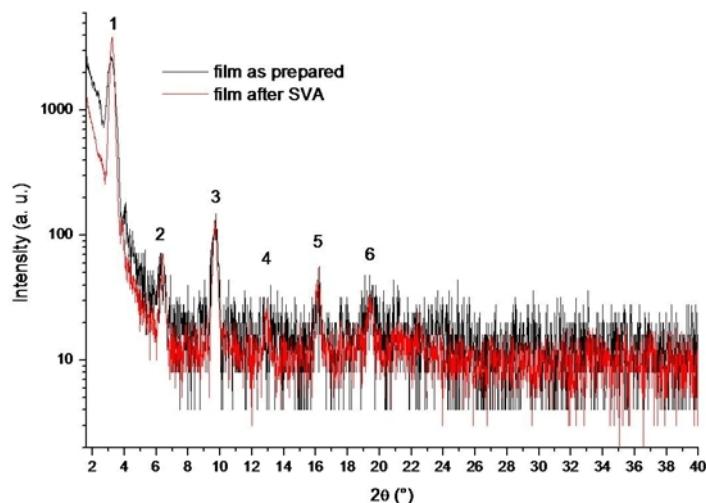


Figure S2. XRD patterns measured at 30°C for the spin-coated films before and after SVA treatment. Numbers above the diffraction peaks indicate the order of the correlated reflections.

**Table S1.** Crystallographic data and peak indexations determined from the XRD pattern of the slow SIP sample.

$h$	$k$	$l$	$d_{\text{obs}}$ ( $\text{\AA}$ )	$d_{\text{calc}}$ ( $\text{\AA}$ )	Lattice parameters
0	0	1	27.40	27.41	$a = 27.75 (5) \text{\AA}$
1	0	1	19.35	19.39	$b = 4.48 (1) \text{\AA}$
0	0	2	13.67	13.70	$c = 27.41 (1) \text{\AA}$
1	0	2	12.28	12.23	$\beta = 90.63 (7)^\circ$
0	0	3	9.16	9.14	$P2_1$
1	0	3	8.66	8.65	$V = 3408 (11) \text{\AA}^3$
2	0	3	7.60	7.59	$Z = 2$
0	0	4	6.86	6.85	$d = 1.230 (4) \text{ g/cm}^3$
1	0	4	6.65	6.64	
3	0	3	6.45	6.46	
0	0	5	5.48	5.48	
3	0	4		5.48	
1	0	5	5.36	5.37	
2	0	5	5.08	5.08	
-4	0	4	4.90	4.90	
3	0	5	4.69	4.69	
0	0	6	4.56	4.57	
6	0	1		4.55	
0	1	1	4.42	4.42	
2	0	6	4.33	4.32	
-4	0	5		4.32	
-1	1	2	4.21	4.21	
1	1	2		4.21	
7	1	3	2.82 <sup>a</sup>	2.82	
-3	1	7		2.82	
7	1	4	2.71 <sup>a</sup>	2.72	
-1	1	8		2.71	
-6	1	6	2.65 <sup>a</sup>	2.64	

<sup>a</sup> Peaks observed in the XRD pattern of the fast SIP sample