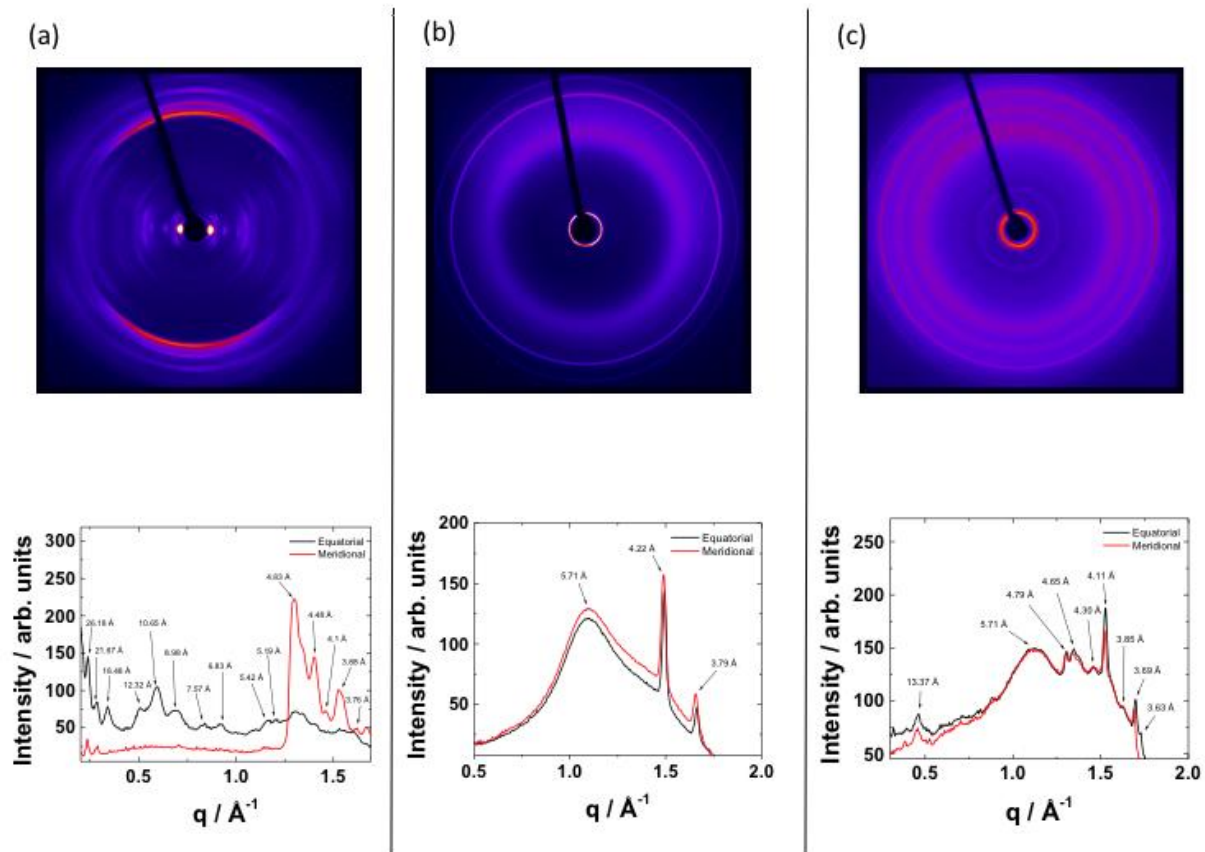


Supporting Information



SI Fig. 1. Fibre x-ray diffraction images and radial averages from stalks dried from 1 wt% solutions of (a) C₁₆-KKFFVLK, (b) C₁₆-KKFF and (c) C₁₆-KKF.

Table 1. Spacings from X-ray diffraction measurements

Sample Peaks	0.5% C ₁₆ - KKFFVLK	1% C ₁₆ - KKFFVLK	2% C ₁₆ - KKFFVLK	0.5% C ₁₆ - KKFF	1% C ₁₆ - KKFF	2% C ₁₆ - KKFF	0.5% C ₁₆ - KKF	1% C ₁₆ - KKF	2% C ₁₆ - KKF
35 – 14 Å Spacings		34.90, 26.18, 21.67, 18.48,	34.90, 26.18, 21.67, 18.48						23.27
10 – 13 Å Spacings		12.32, 10.65	12.32, 10.65				13.96	13.37	13.96,
5 – 9 Å Spacings		8.98, 7.57, 6.83, 5.42, 5.19	8.98, 7.57, 6.83, 5.42, 5.19		5.70 (d)				8.98, 7.06
β-strand spacing	4.87	4.83	4.83				4.83	4.83	4.83
3- 4 Å Spacing	4.13 3.72	4.48, 4.10, 3.93, 3.76	4.48, 4.10, 3.93, 3.76	4.55 (d)	4.22, 3.79	4.39 (d)	4.67, 4.30, 4.08, 3.85, 3.63	4.65, 4.30, 4.11, 3.85, 3.69	4.62, 4.27, 4.11, 3.88, 3.63

Sample Peaks	0.5% FVLK	1% FVLK	1% VLK	2% VLK
35 – 14 Å Spacings	16.11	16.11		
10 – 13 Å Spacings	11.64, 10.30	11.64, 10.30	10.47	10.47
5 – 9 Å Spacings	5.11	5.11		5.76 (d)
β-strand spacing	4.72	4.72		
3- 4 Å Spacing			4.59 (d), 4.19, 3.76	4.22, 3.76