

## Supplementary Data

# Phase-separation and mixing in thin films of co-deposited rod-like conjugated molecules

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The IR spectra of a co-deposited film of DH6T and 6P deposited on SiO<sub>2</sub>. It has been shown that this material pair shows pronounced intermixing on a molecular scale<sup>1</sup>. The 6P  $\gamma(\text{C-H})$  o.-o.-p. bending  
10 peak at 759.9 cm<sup>-1</sup> shows a maximal peak blue shift of 2.1 cm<sup>-1</sup> (16 % 6P). The peak at 814.2 cm<sup>-1</sup> is  
1.7 cm<sup>-1</sup> blue shifted (33 % 6P). The peaks are not significantly broadened.

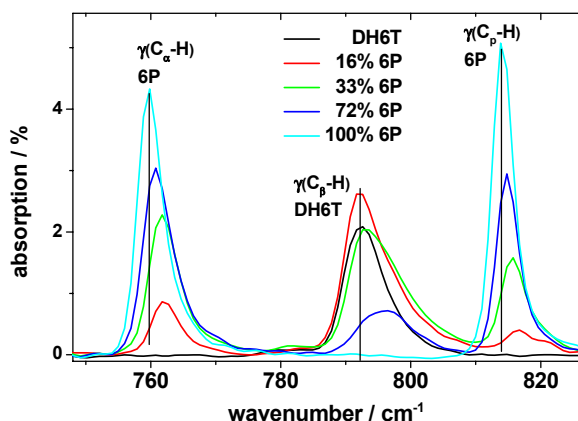


Fig. 1 . IR absorption spectra of co-deposited DH6T 6P films on SiO<sub>2</sub> of  
15 40 nm thickness.

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