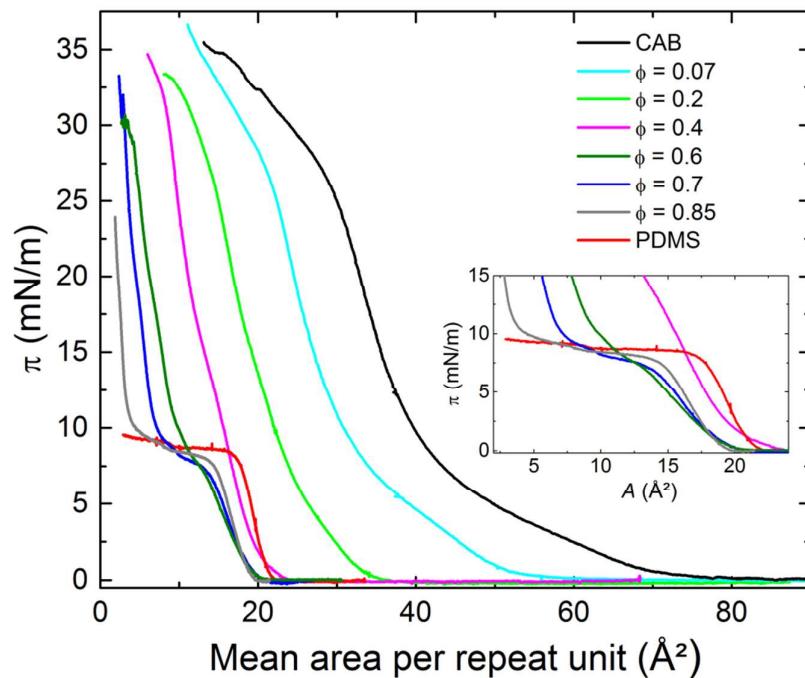


## Supporting Information

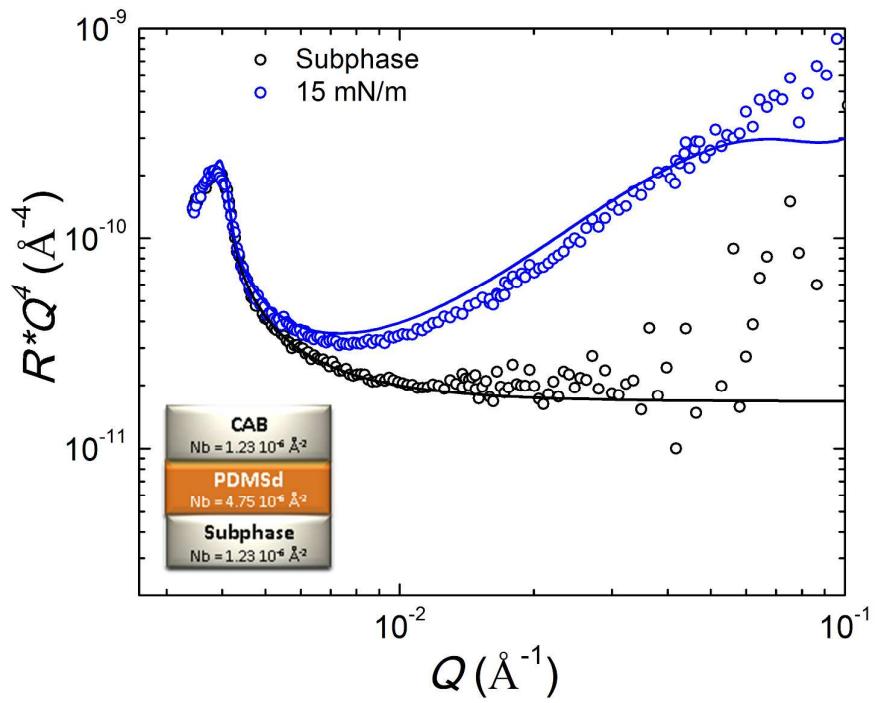
### From Homogeneous to Segregated Structure of Poly(dimethylsiloxane) / Cellulose Derivative Mixed Langmuir Films depending on composition : an In-situ Neutron Reflectivity Study

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**Figure S1.** Surface pressure vs mean area per repeat unit isotherms for pure PDMSd, pure CAB films and PDMSd/CAB mixed films of PDMSd volume fractions from  $\phi= 0.07$  to 0.85.



**Figure S2.** Neutron reflectivity curve for  $\Phi = 0.7$  PDMSd /CAB Langmuir film at 15 mN/m on D<sub>2</sub>O/H<sub>2</sub>O subphases allowing contrast matched to CAB. The subphase reflectivity is presented as a reference. Inside: The schematized model used for the fit (solid line).