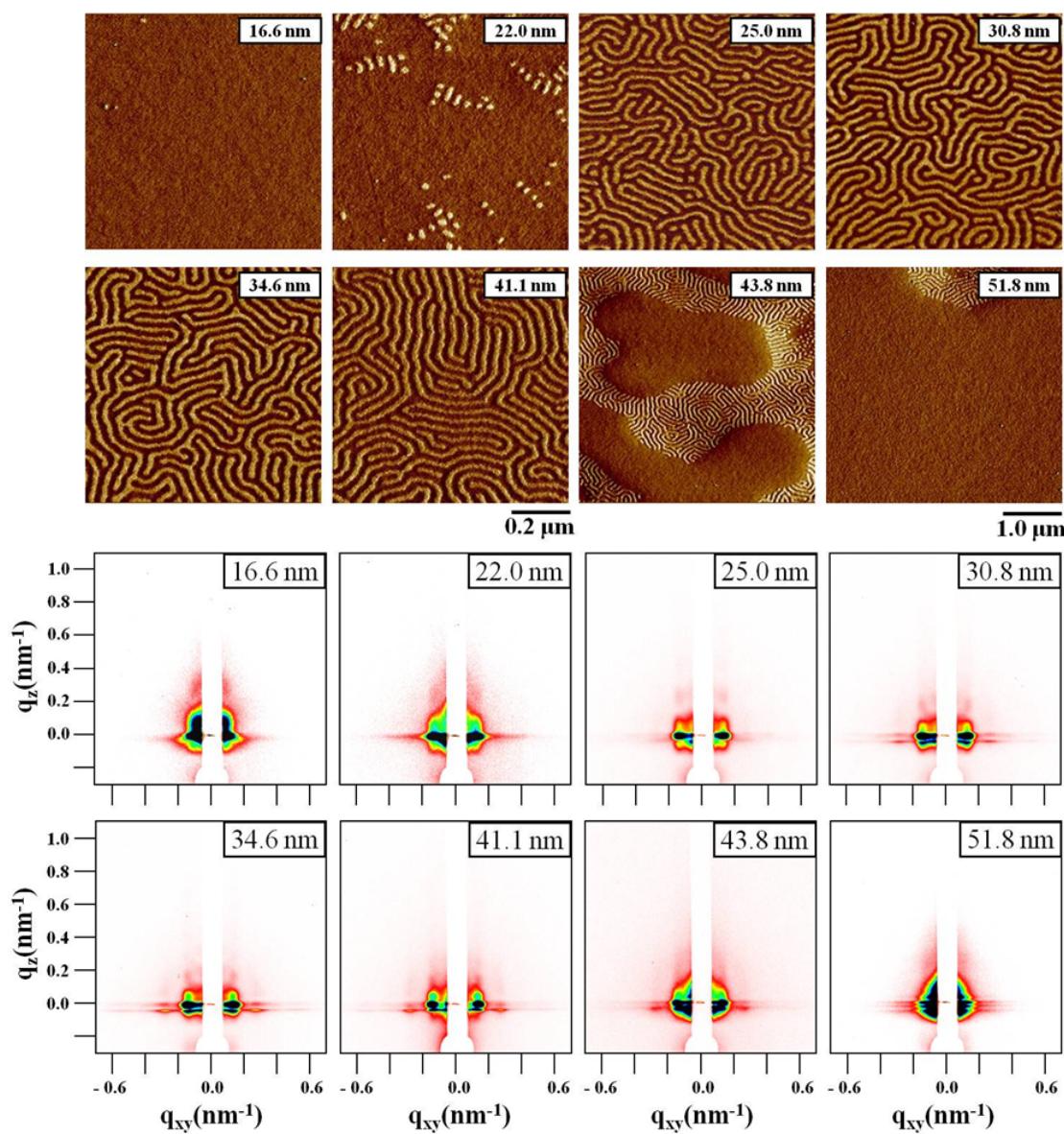


[Electronic Supplementary Information]

Perpendicular Orientation of Microdomains in PS-*b*-PMMA Thin Films on the  
PS brushed Substrates

Rui Guo, Eunhye Kim, Jinsam Gong, Seunghoon Choi, Sujin Ham, and Du Yeol Ryu\*

Department of Chemical and Biomolecular Engineering, Yonsei University, 262 Seongsanno,  
Seodaemun-Gu, Seoul 120-749, Korea.



**Figure S1.** The SFM phase images for lamellar morphology on a PS brushed substrate with  $\sigma = 0.116$  chains/nm<sup>2</sup>, and the corresponding 2D-GISAXS patterns at an incidence angle ( $\alpha_i$ ) of 0.190 °, where the film thickness of lamella-forming PS-*b*-PMMA were varied. All the film samples were annealed at 180 °C under vacuum for 24 h to obtain an equilibrium morphology.