## Supporting Information

## Adhesion of Polyelectrolyte Multilayers – Sealing and Transfer of Microchamber Arrays

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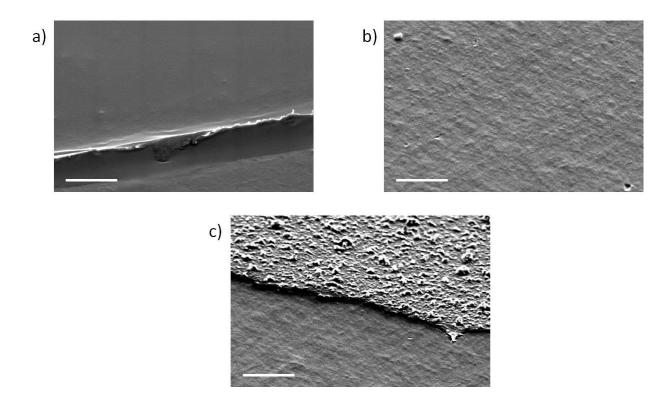
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**Figure S1.** Scanning Electron Microscope tilted (45°) images of broken surfaces: a) SiO<sub>2</sub> / (PSS-PDADMA)<sub>8</sub> – (PAH-PSS)<sub>40</sub> / PMMA (bottom); b) SiO<sub>2</sub> / (PSS-PDADMA)<sub>8</sub> – (PAH-PSS)<sub>40</sub> / PMMA (top); c) PMMA – (PAH-PSS)<sub>40</sub>. All scale bars – 10  $\mu$ m.

The image of bottom substrate (a) demonstrates an edge of the very smooth reverse surface of the (PAH-PSS)<sub>40</sub> multilayer adhered to the (PSS-PDADMA)<sub>8</sub> multilayer. The image of top substrate (b) is typical surface of bare PMMA film. Compare it with the image of the edge of (PAH-PSS)<sub>40</sub> multilayer assembled on PMMA film (c). The surface of clear PMMA film has the very same morphology as in (b), the outer surface of the (PAH-PSS)<sub>40</sub> multilayer is much more rough than the reverse surface seen at (a).