Covalent layer-by-layer assembly of hyperbranched polymers on alginate microcapsules to impart stability and permselectivity

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**Supplementary Material**
**Figure 1.** Quantification of % permeability of FITC-Dextran label for alginate (white bars) or alginate-N$_3$ (grey bars) microcapsules coated with PLL. * Statistically different from other alginate type (P <0.05)

**Figure 2.** Microscopic images of two different microbeads trapped in agarose gel for AFM imaging. The agarose gel was stained with dextran blue to assist in visualization of agarose/alginate border.
Figure 2. Atomic force microscopy images of alginate coated with PLL. Images were collected pre (left) and post (right) exposure to EDTA to chelate the inner alginate microbead. Image size was 10 x 10 µm. Scale shown to right of each figure, in nm.