Supporting Information for

## Transparent Polyelectrolyte Complex Thin Film with Ultralow Oxygen Transmission Rate

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Property	25 mM CA [%]	25 mM CA + NaCl [%]	200 mM CA [%]	200 mM CA + NaCl [%]	300 mM CA [%]
Thickness	$-16.02 \pm 4.76$	$-16.01 \pm 2.12$	$-17.65 \pm 3.65$	$-15.42 \pm 4.62$	$-14.22 \pm 1.90$
Mass	$-43.70 \pm 10.42$	$-9.05 \pm 1.49$	$-2.92 \pm 5.23$	$6.21 \pm 7.88$	$7.04 \pm 2.75$
Density	$-32.96 \pm 5.13$	$8.29 \pm 0.62$	$19.89 \pm 1.50$	$25.57 \pm 3.02$	$24.79 \pm 0.83$

Table S1. Percent difference in PEC film thickness, mass, and estimated density after curing.