Supporting Information

Water Content of Polyelectrolyte Multilayer Films Measured by Quartz Crystal Microbalance and Deuterium Oxide Exchange

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Provided Supporting Information

I. Representative QCM Data for PAH/PSS Adsorption and D₂O Solvent Exchange

- **Figure S1:** Representative frequency shift data (n = 5) for the adsorption of a one-layer PAH film, followed by D₂O solvent exchange.
- **Figure S2:** Representative frequency shift data (n = 5) for the adsorption of a two-layer PAH/PSS film, followed by D₂O solvent exchange.
- **Figure S3:** Representative frequency shift data (n = 5) for the adsorption of a three-layer PAH/PSS film, followed by D₂O solvent exchange.
- **Figure S4:** Representative frequency shift data (n = 5) for the adsorption of a four-layer PAH/PSS film, followed by D₂O solvent exchange.
- **Figure S5:** Representative frequency shift data (n = 5) for the adsorption of a five-layer PAH/PSS film, followed by D₂O solvent exchange.
- **Figure S6:** Representative frequency shift data (n = 5) for the adsorption of a six-layer PAH/PSS film, followed by D₂O solvent exchange.
- Figure S7: Representative frequency shift data (n = 5) for the adsorption of a seven-layer PAH/PSS film, followed by D₂O solvent exchange.
- **Figure S8:** Representative frequency shift data (n = 5) for the adsorption of an eight-layer PAH/PSS film, followed by D₂O solvent exchange.

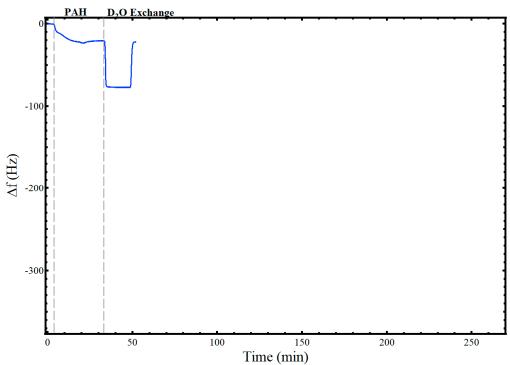


Figure S1: Representative frequency shift data (n = 5) for the adsorption of a one-layer PAH film, followed by D₂O solvent exchange.

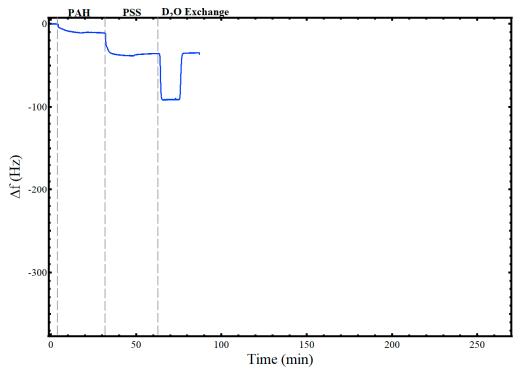


Figure S2: Representative frequency shift data (n = 5) for the adsorption of a two-layer PAH/PSS film, followed by D₂O solvent exchange.

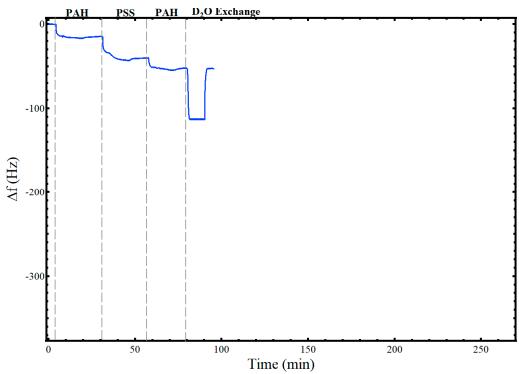


Figure S3: Representative frequency shift data (n = 5) for the adsorption of a three-layer PAH/PSS film, followed by D₂O solvent exchange.

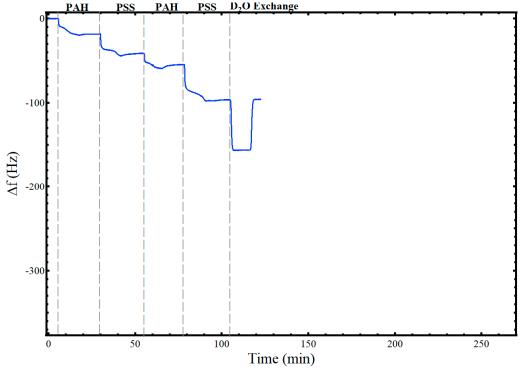


Figure S4: Representative frequency shift data (n = 5) for the adsorption of a four-layer PAH/PSS film, followed by D₂O solvent exchange.

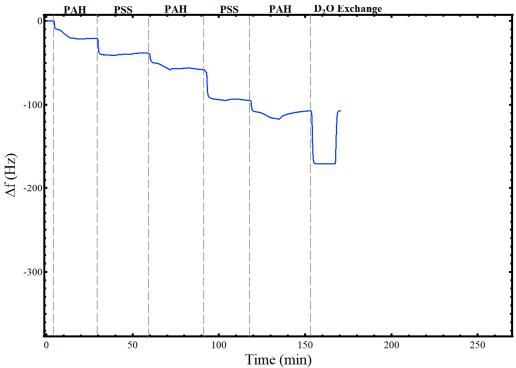


Figure S5: Representative frequency shift data (n = 5) for the adsorption of a five-layer PAH/PSS film, followed by D₂O solvent exchange.

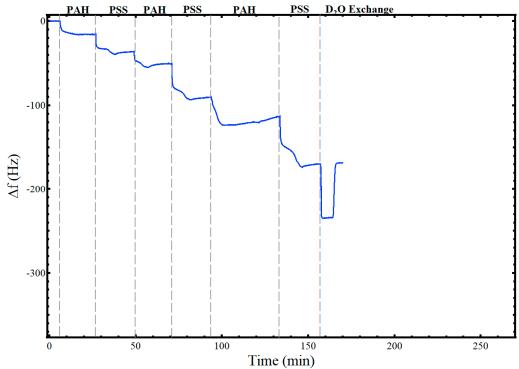


Figure S6: Representative frequency shift data (n = 5) for the adsorption of a six-layer PAH/PSS film, followed by D₂O solvent exchange.

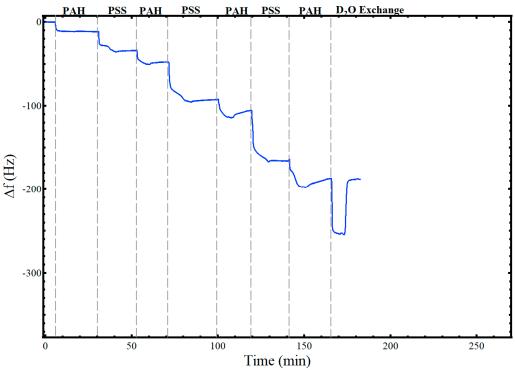


Figure S7: Representative frequency shift data (n = 5) for the adsorption of a seven-layer PAH/PSS film, followed by D₂O solvent exchange.

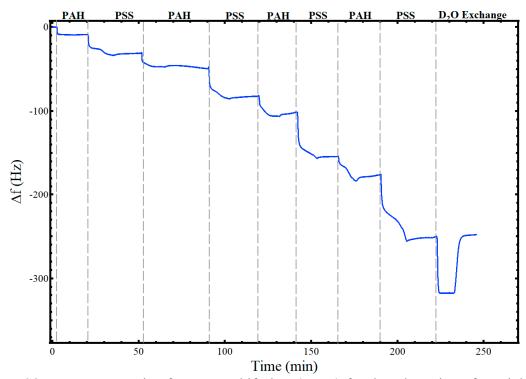


Figure S8: Representative frequency shift data (n = 5) for the adsorption of an eight-layer PAH/PSS film, followed by D₂O solvent exchange.