



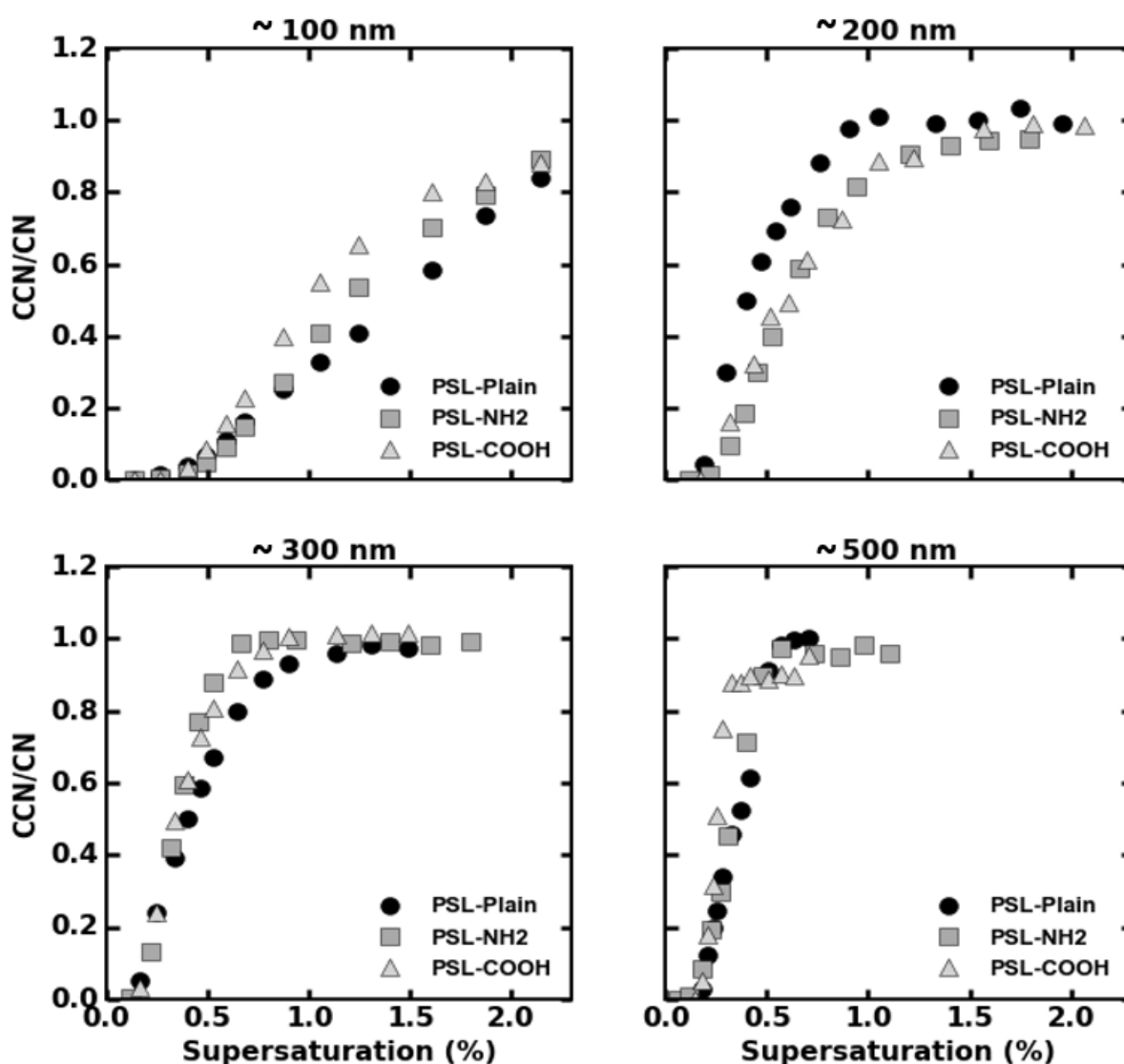
*Supplement of*

## **A single-parameter hygroscopicity model for functionalized insoluble aerosol surfaces**

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**Figure S-1.** The activation curves and raw data for PSL particles with amine group modification, carboxyl group modification and no modification. Although the size of for different types of PSL is similar they are still not the same. Larger particles will activate earlier and therefore should not be directly compared. The figures are grouped by the approximate sizes. Remeasured, electrical mobility particle sizes are provided in the main manuscript.

This is the raw data used to calculate hygroscopicity in the main manuscript.