Pollenkitt Wetting Mechanism Enables Surface-

Tunable and Species-Dependent Adhesion of Pollen

Haisheng Lin, Ismael Gomez and J. Carson Meredith^{*}

School of Chemical & Biomolecular Engineering, Georgia Institute of Technology, 311 Ferst

Drive NW, Atlanta, Georgia 30332-0100

Table S1. Surface Roughness and Static Water Contact Angles^{*a*} of the Various Substrates

Surface	Si	РVОН	PVAc	PS
Ra(nm)	0.2 ± 0.1	1.1 ± 0.1	1.3 ± 0.1	2.2 ± 0.2
rms (nm)	0.3 ± 0.1	1.3 ± 0.1	1.7 ± 0.1	2.7 ± 0.2
Contact Angle (°)	13.7 ± 1.3	46.2 ± 1.4	60.7 ± 2.9	101.1 ± 3.0

^{*a*} All uncertainties are 95% confidence intervals.

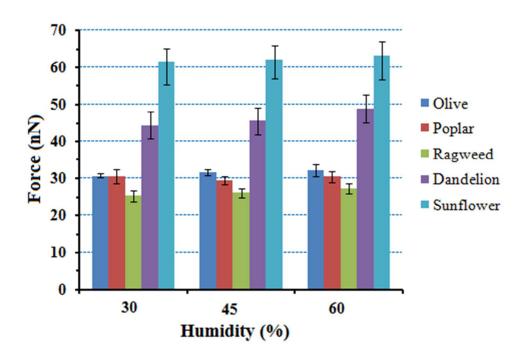


Figure S1. Adhesion forces of clean pollen grains on a Piranha-cleaned silicon surface under varied relative humidity.