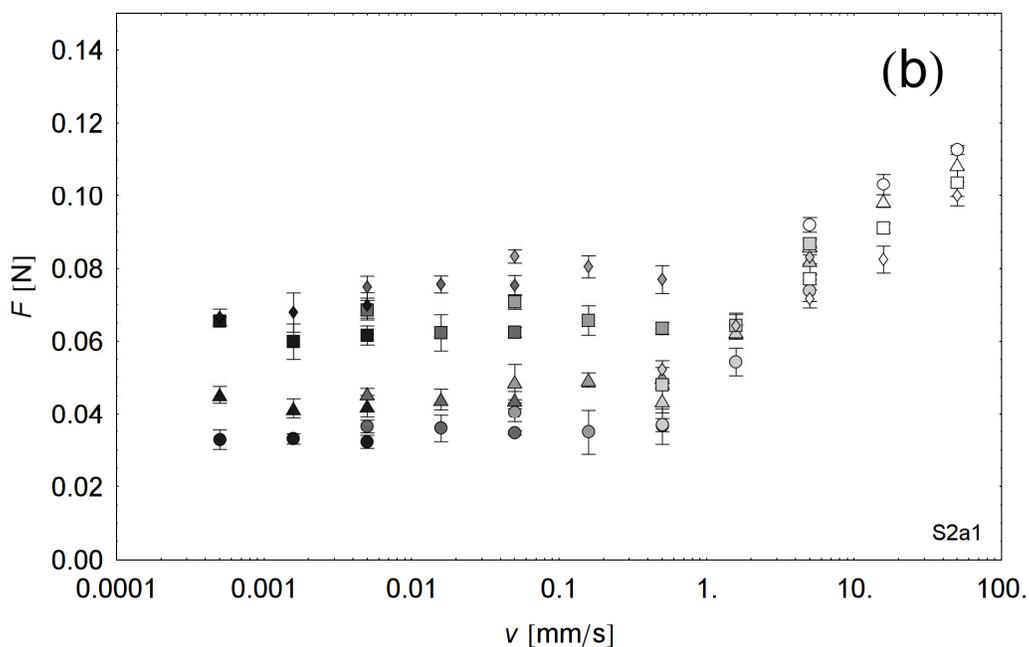
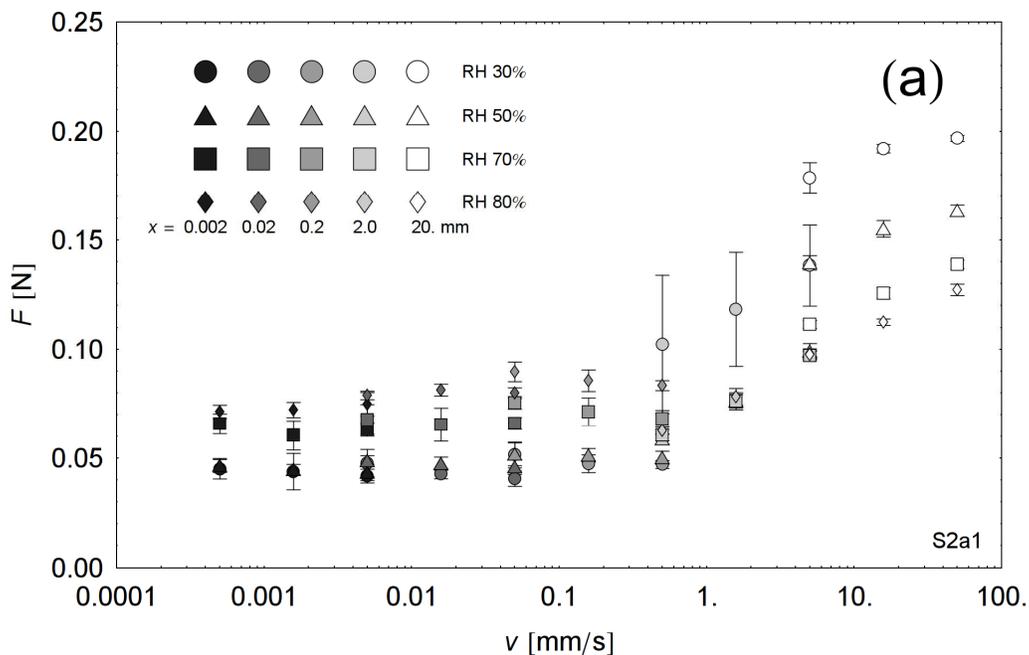
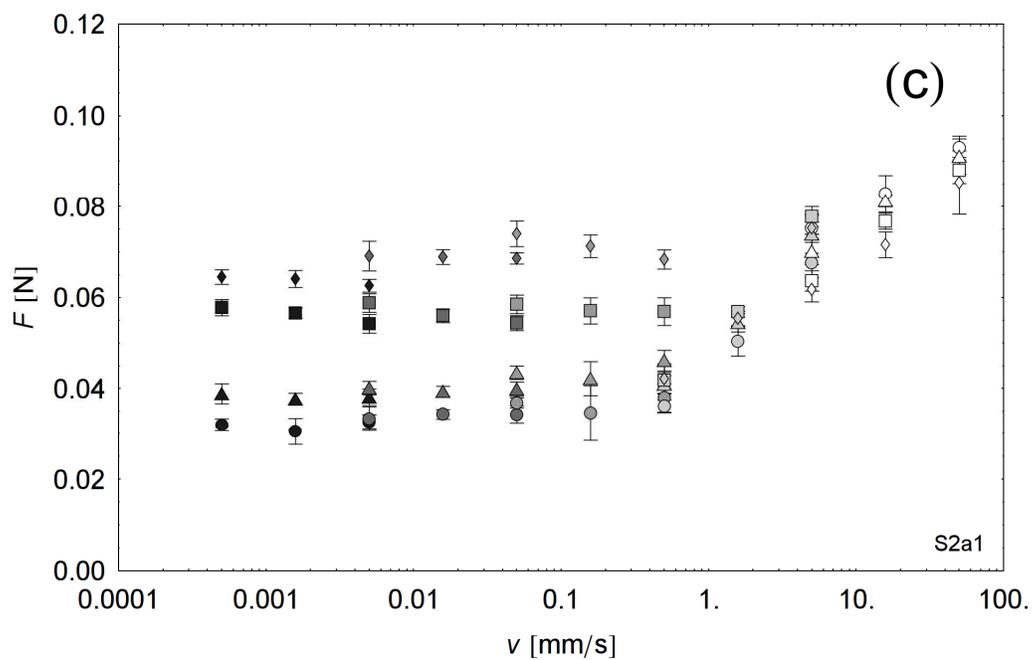


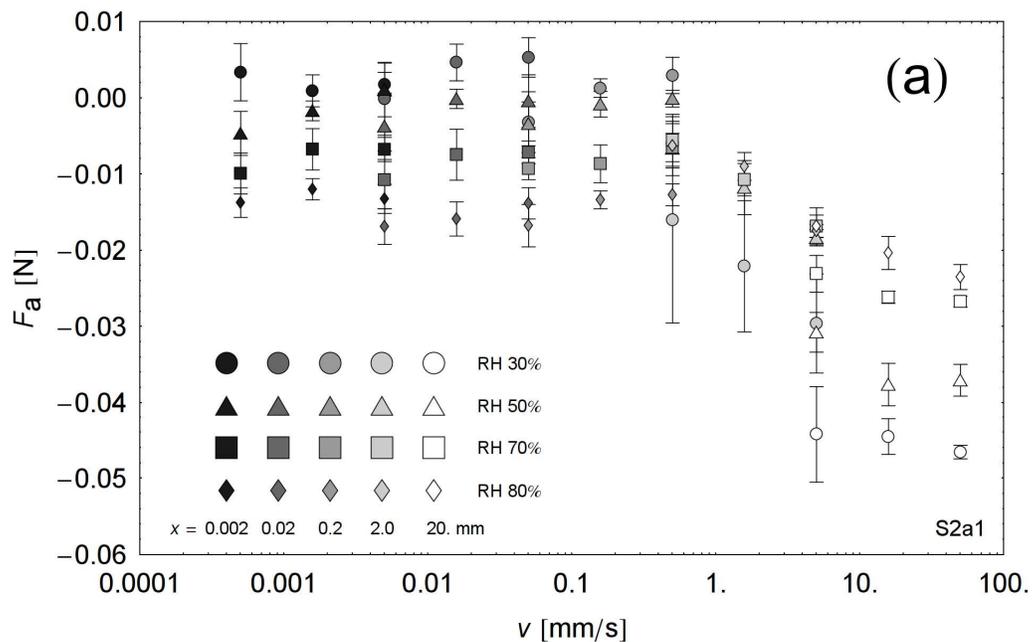
### Electronic Supplementary Information for “Dynamic Friction in Natural and Synthetic Gecko Setal Arrays”

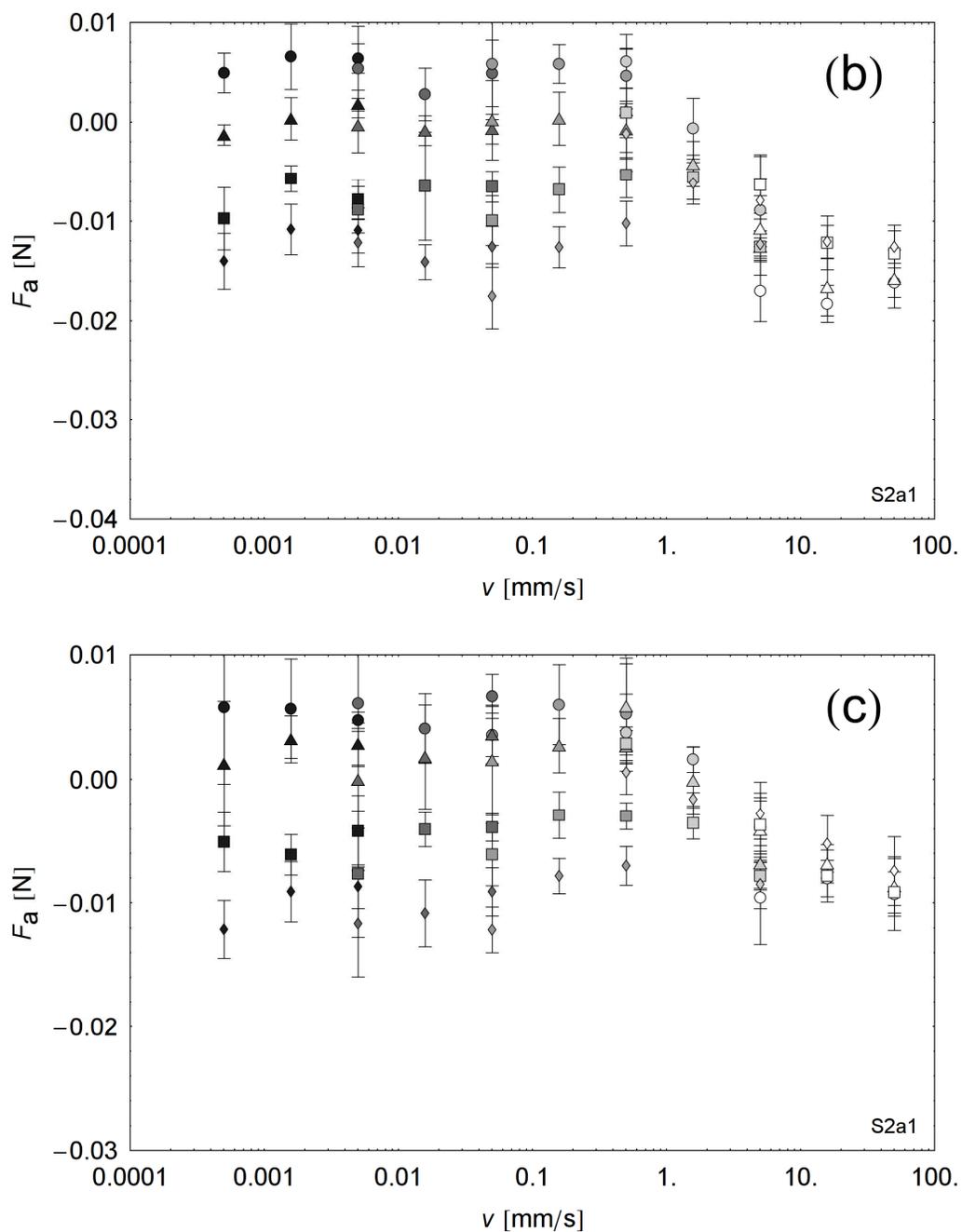
Each complete set of force measurements, 5 at each RH/velocity/distance treatment for 320 total tests, was repeated 3 times. The 3 sequential runs for the array “S2a1” are shown below in **ESI Figures 1** and **2**. **ESI Figure 1** shows friction/lateral forces and **ESI Figure 2** shows adhesion/normal forces. We also performed experiments on a sample of (smooth, rounded) untextured urethane. The friction and adhesion forces for this specimen are in **ESI Figure 3**.



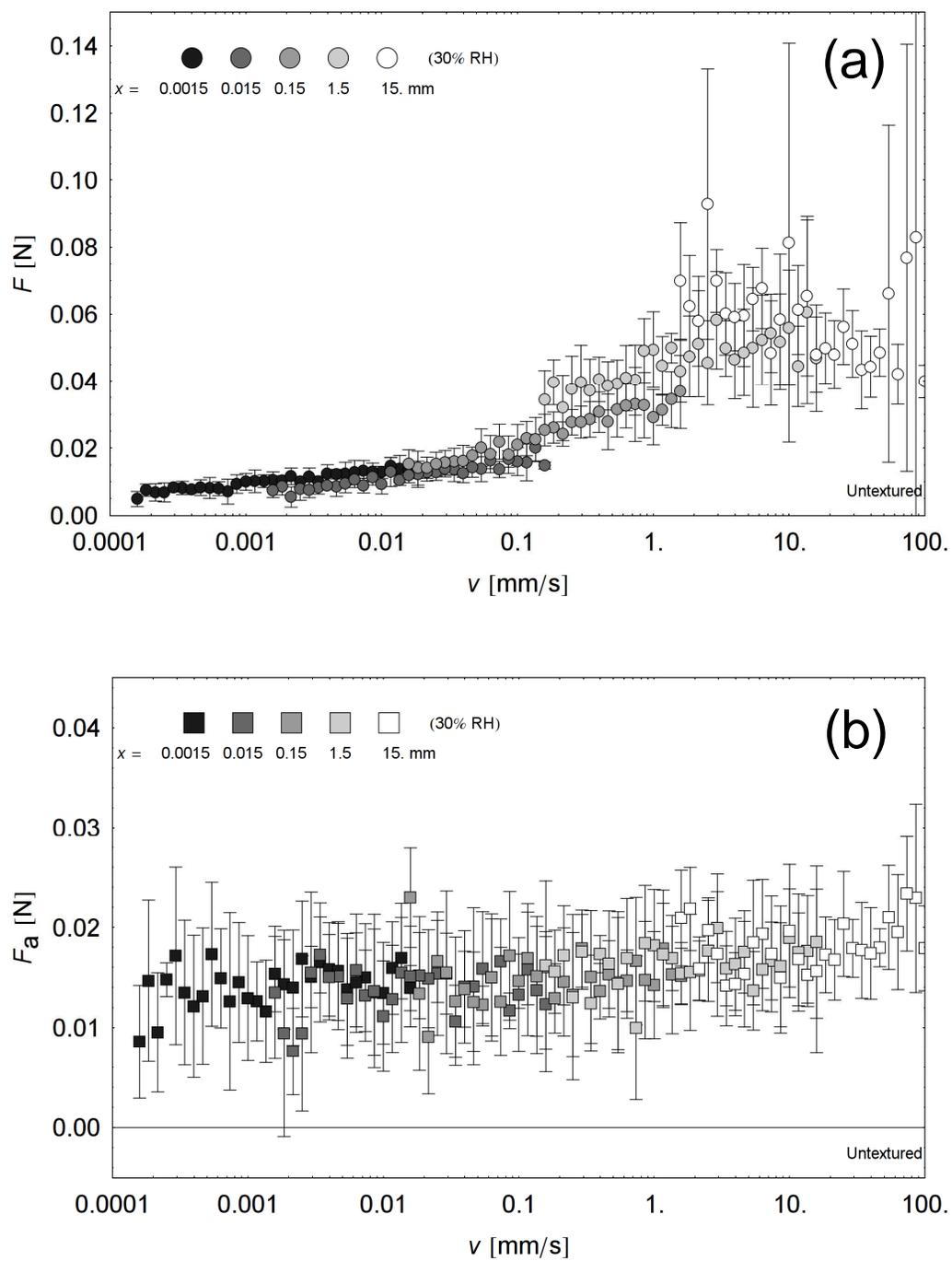


ESI Figure 1. The friction forces for the first (a), second (b), and third (c) experimental runs on array “S2a1”.





ESI Figure 2. The adhesion forces for the first (a), second (b), and third (c) experimental runs on array “S2a1”.



ESI Figure 3. The friction (a) and adhesion (b) forces on the untextured/hemispherical urethane specimen.