

Supporting Information

Atomic Force Microscopic Study of Chitinase Binding onto Chitin and Cellulose Surfaces

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1. Binding Force Analyses of ChBD2 onto Chitin/Cellulose Surfaces

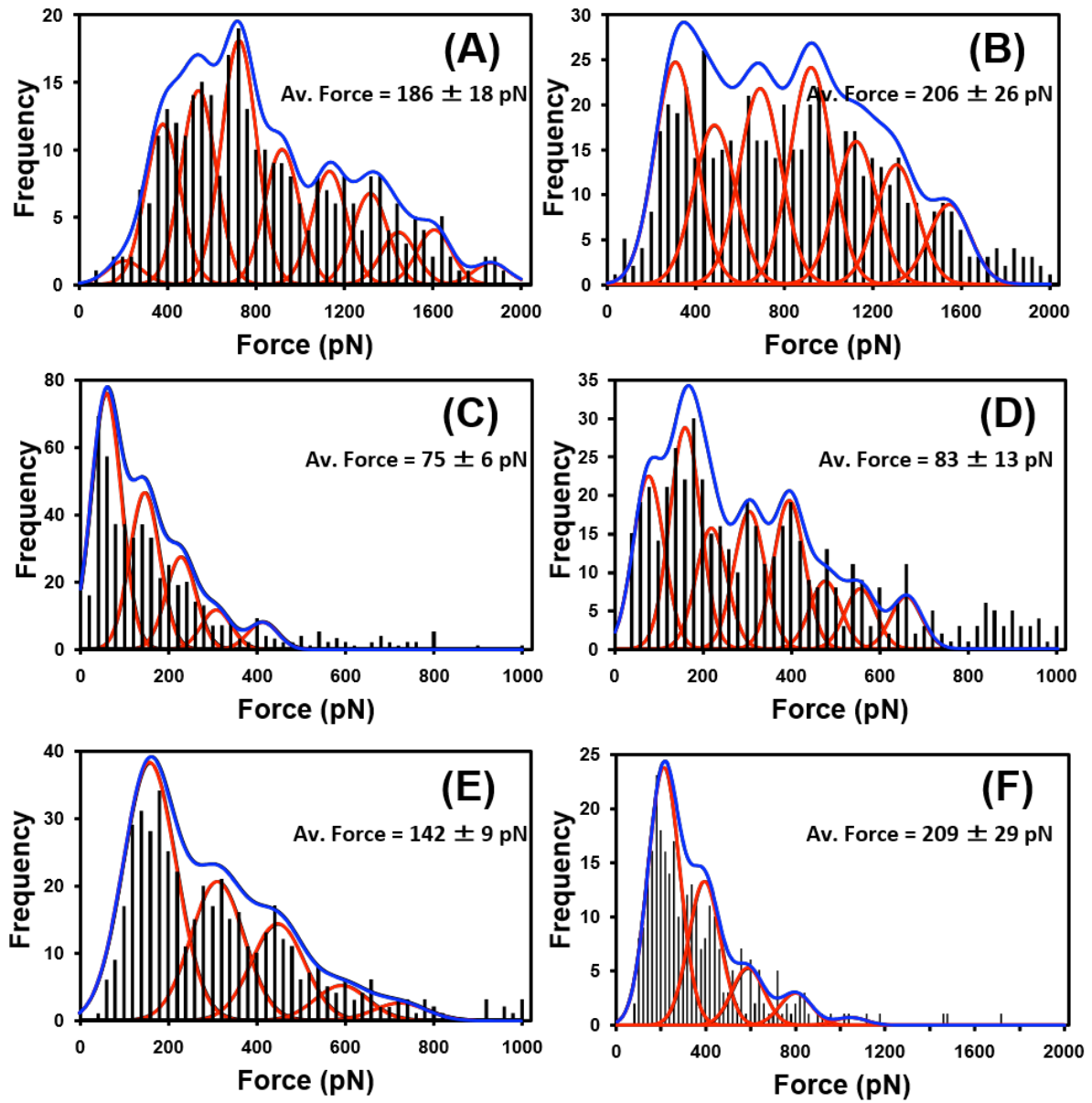


Figure S1 Histogram Analyses of rupture forces between ChBD2 and chitin (A, B)/cellulose (C–F) surfaces at different loading rates: (A) 38 nN/s; (B) 120 nN/s; (C) 1 nN/s; (D) 2 nN/s; (E) 9 nN/s; (F) 120 nN/s. The blue and red curves are corresponding to the FFT-smoothed and following Gaussian fitted data, respectively.

2. Binding Force Analyses of ChBD1 onto Chitin/Cellulose Surfaces

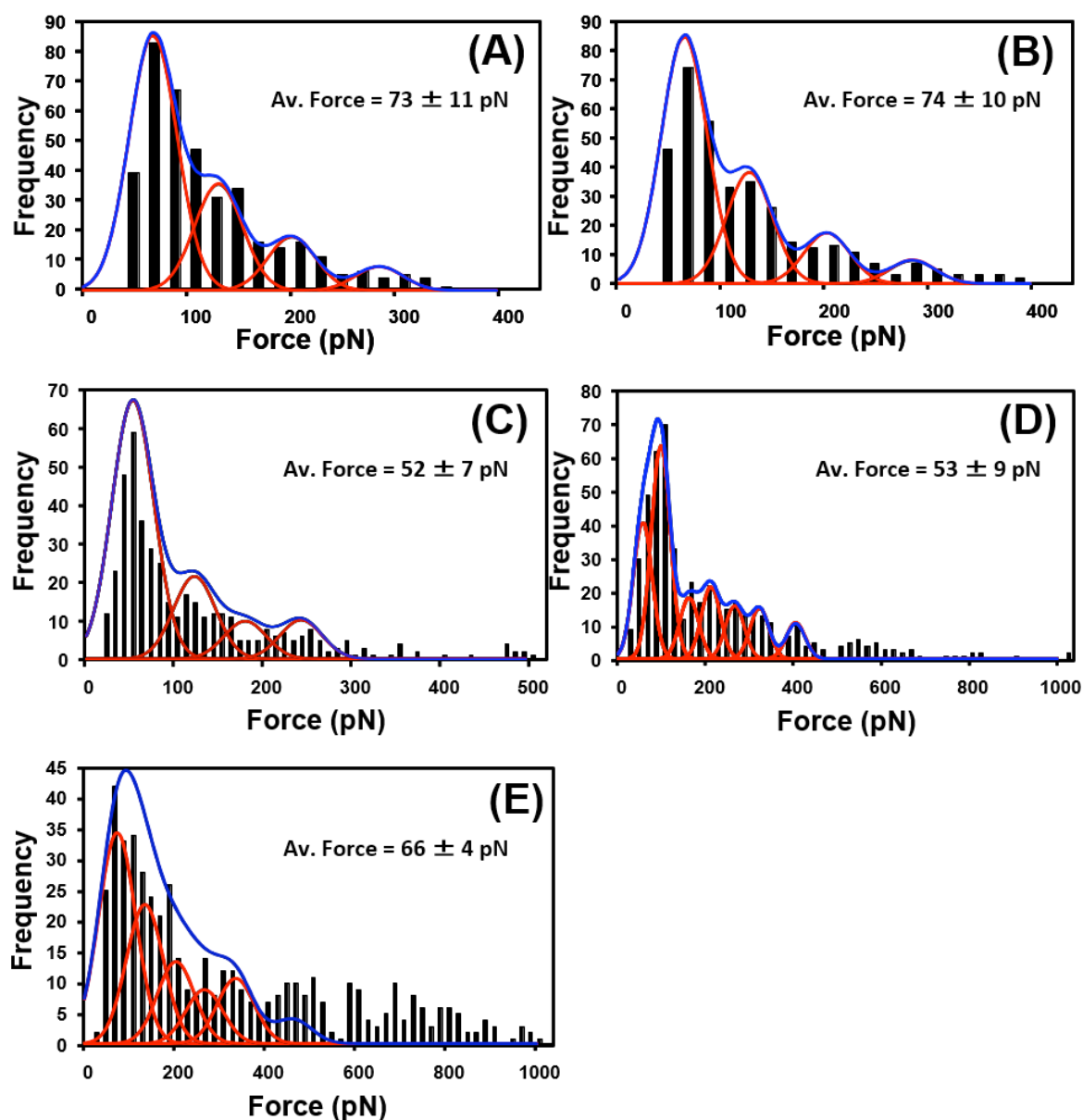


Figure S2 Histogram Analyses of rupture forces between ChBD1 and chitin (A, B)/cellulose (C–E) surfaces at different loading rates: (A) 9 nN/s; (B) 90 nN/s; (C) 2 nN/s; (D) 15 nN/s; (E) 77 nN/s. The blue and red curves are corresponding to the FFT-smoothed and following Gaussian fitted data, respectively.