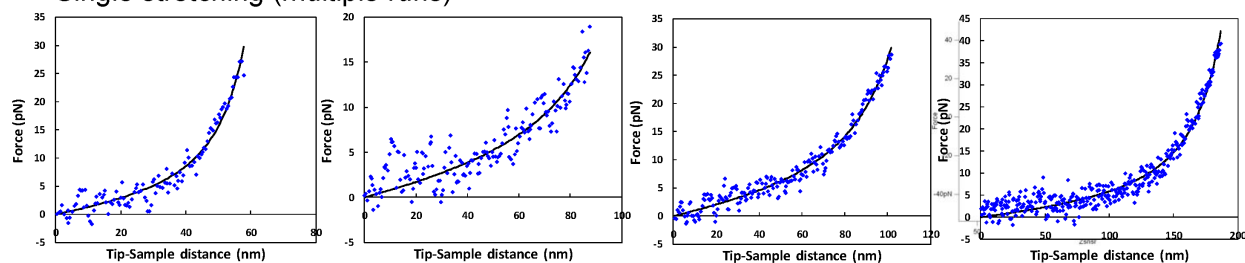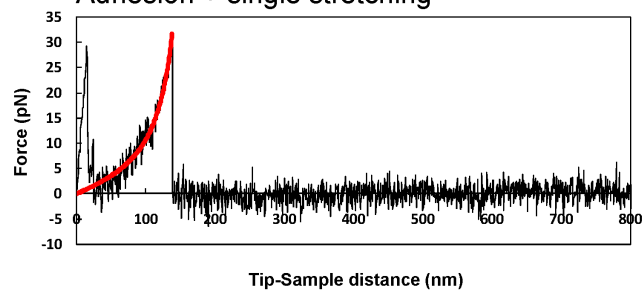**S8 Fig. AFM - Data fitting using the Worm Like Chain model.**

Retraction curves during sNsp1 stretching in PBS are plotted as force, *F(x)*, versus sample-cantilever distance, *x*, and interpolated with the worm-like chain (WLC) model. Examples are reported for (A) single sNsp1 stretching with no initial adhesion peak (multiple runs are shown); (B) sNsp1 stretching with initial adhesion peak; and (C) multiple stretching events. The fitting line from the WLC model is also reported.