

**S9 Fig. AFM - Nsp1FG pulling experiment in TBT buffer.**

Plots of the WLC model fitting parameters persistence length,  $L_p$  (blue), and contour length,  $L_c$  (green), versus the adhesion force,  $F_{ad}$ , from pulling sNsp1 at  $1 \mu\text{m/s}$  in TBT buffer. Histograms (grey) represent the frequencies of  $L_p$ ,  $L_c$  and  $F_{ad}$ . In the  $L_p$  plot, the average (solid line)  $\pm 1$  standard deviation (dash line) are also reported.

