Smith, Finzi, Bustamante (1992)

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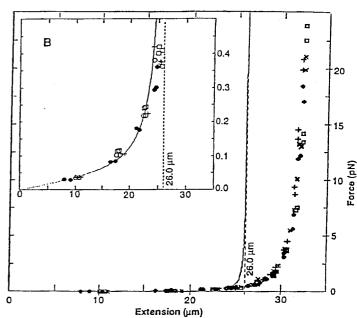**Fig. 3. (A)** Force versus extension data for four different λ-dimer molecules (●, □, +, and O) in 5 mM Na₂HPO₄ buffer (10 mM Na⁺, pH 8.3). Inset: expanded vertical scale (0 to 0.5 pN). Continuous curves are from Eq. 2 assuming $L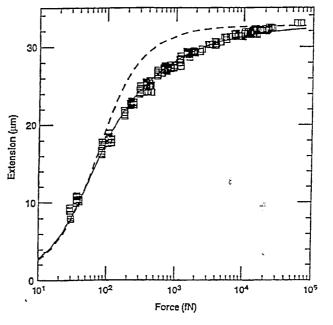 = 32.7$ μm and $b = 500$ Å (top), 1000 Å (middle), and 2000 Å (lower). $L = 32.7$ μm was chosen to agree with the accepted value of 3.37 Å rise per base pair (30), not to fit the data. **(B)** The same data compared with a Langevin curve $L = 26$ μm and $b = 1400$ Å. These values were chosen to match the low-force slope.

Marko, Siggia (1994)

Fig. 1. Squares are experimental force versus extension data for 97 kb λ-DNA dimers from figure 3 of (2); solid line is a fit of the entropic force required to extend a worm-like polymer. The fit parameters are the DNA length ($L = 32.80 \pm 0.10$ μm) and the persistence length ($A = 53.4 \pm 2.3$ nm). Shown for comparison (dashed curve) is the freely jointed chain model (2) with $L = 32.7$ μm and a segment length $b = 100$ nm chosen to fit the small-x data.