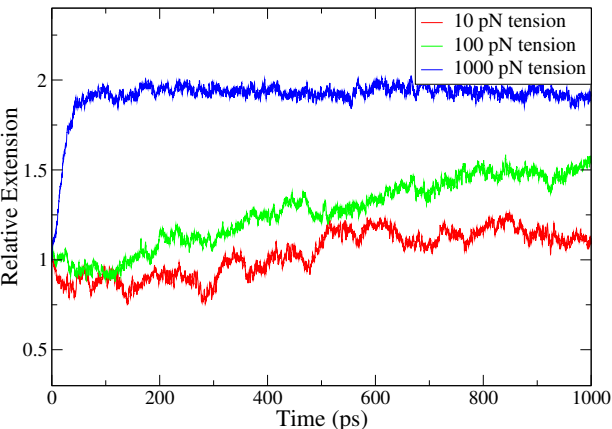
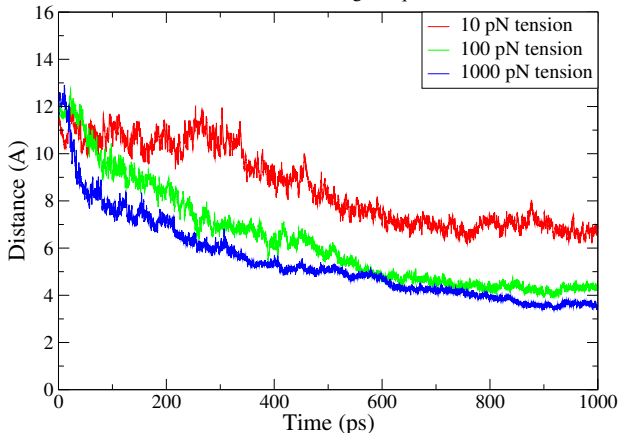


RNA Relative Extension
Positive Driving Torque



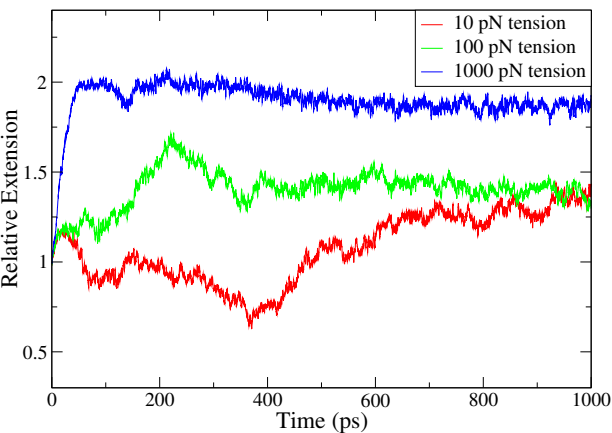
(a) Relative extension of RNA under a positive driving torque as a function of time

RNA Backbone Spacing
Positive Driving Torque



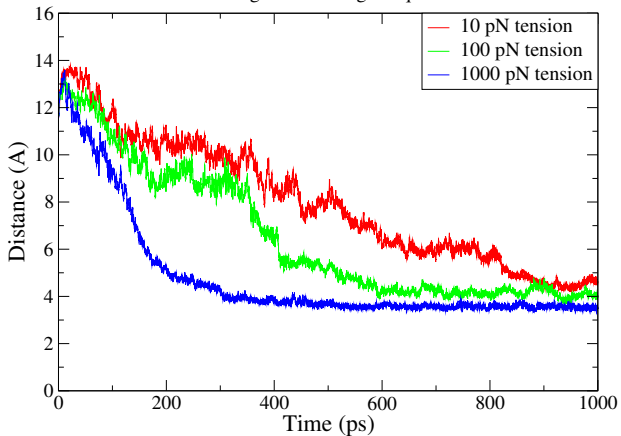
(b) Backbone spacing of RNA under a positive driving torque as a function of time

RNA Relative Extension
Negative Driving Torque



(c) Relative extension of RNA under a negative driving torque as a function of time

RNA Backbone Spacing
Negative Driving Torque



(d) Backbone spacing of RNA under a negative driving torque as a function of time