



Fig. S1. Plot of logarithm of the equilibrium unfolding constant at the environmental temperature (37°C) versus simulation step for the simulations shown in the upper panel of fig. 4 in the main text. The threshold values for the degradation half-life are shown. The plot illustrates the fact that, upon imposition of degradation threshold, the unfolding equilibrium constant is “dragged” to values well below the equilibrium threshold, which, as a result, does not determine the outcome of the simulations.