Supplementary Information

Quantitatively probing propensity for structural transitions in engineered virus nanoparticles by single-molecule mechanical analysis

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Figure S1. Comparison of the mechanical stiffness at S5 regions between the non-mutated and mutant MVM virions. Each histogram depicts the number of determinations relative to the $k_e$ obtained for a mutant virion. In each graph, the histogram in purple corresponds to the parent virion, and the one in a different color to a mutant virion, identified by a label (upper left corner). For complete data and statistical analysis see Table 2.
**Figure S2.** Comparison of the mechanical stiffness at S3 regions between the non-mutated and mutant MVM virions. Each histogram depicts the number of determinations relative to the $k_e$ obtained for a mutant virion. In each graph, the histogram in purple corresponds to the parent virion, and the one in a different color to a mutant virion, identified by a label (upper left corner). For complete data and statistical analysis see Table 2.