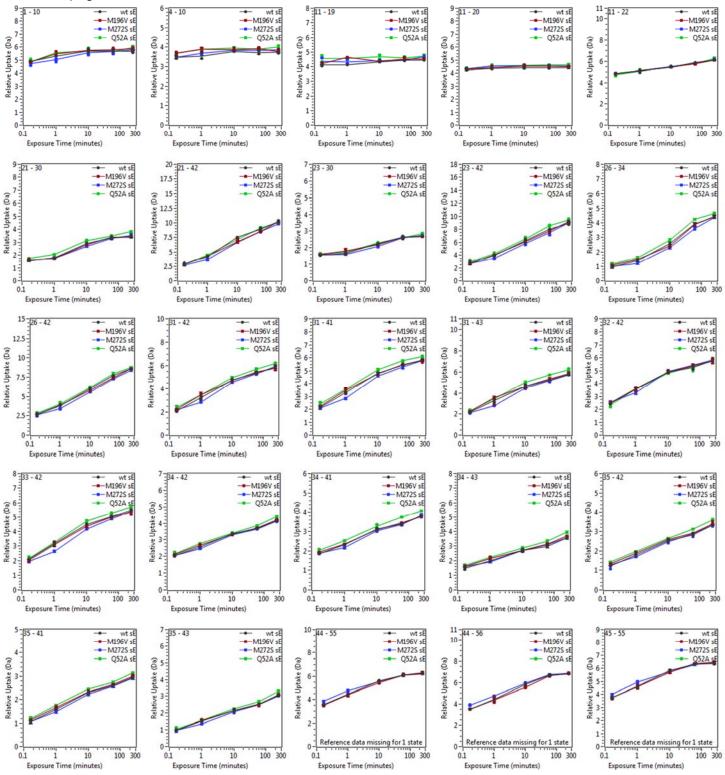
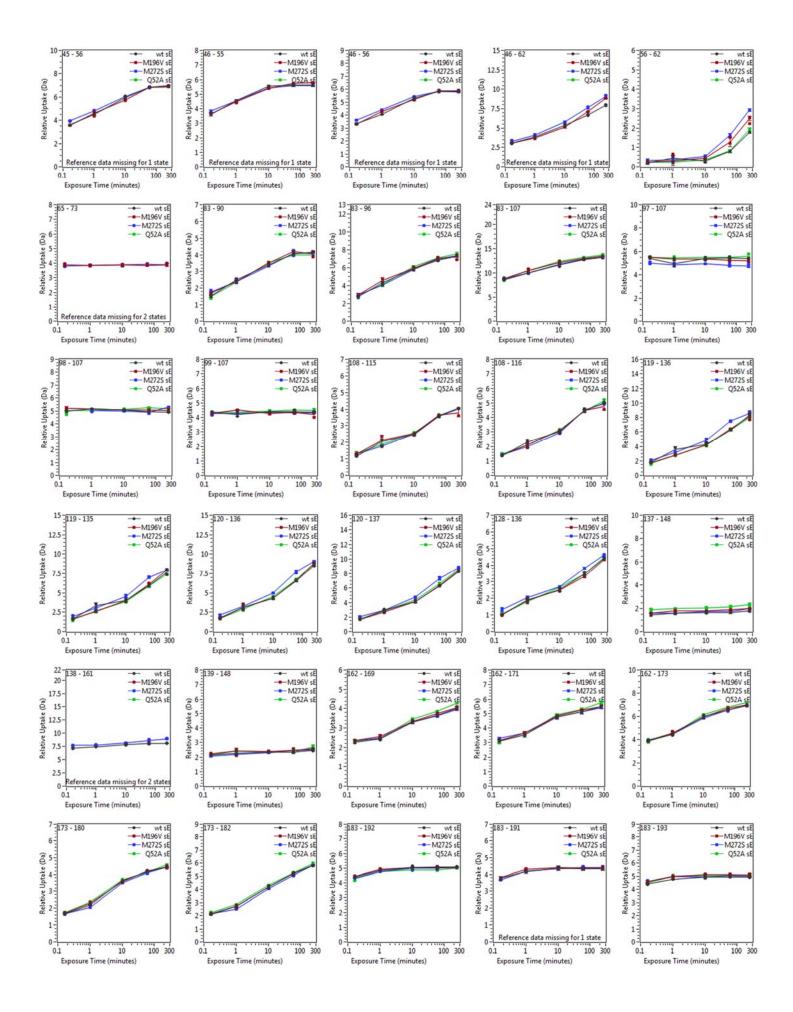
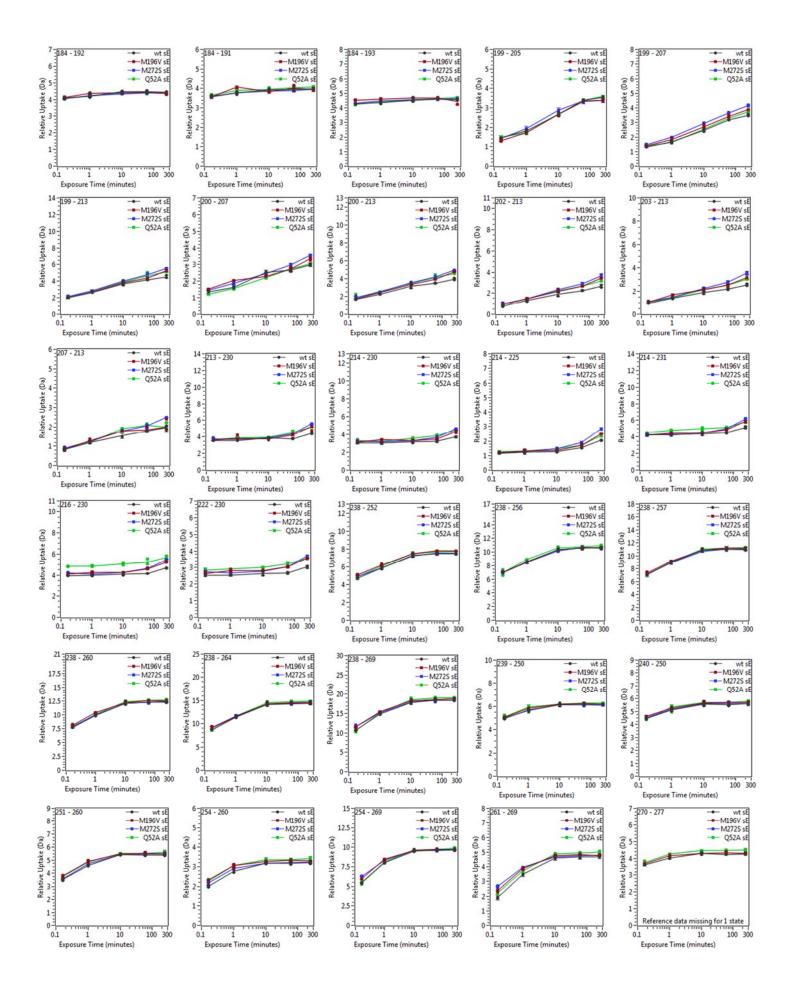
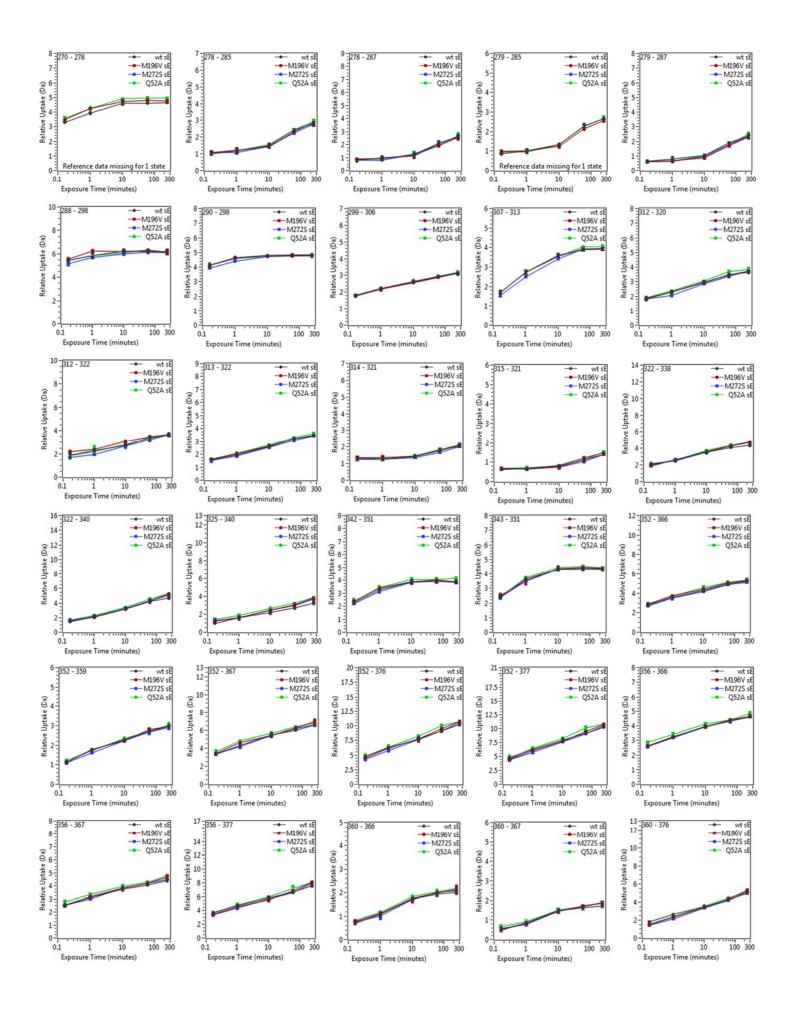
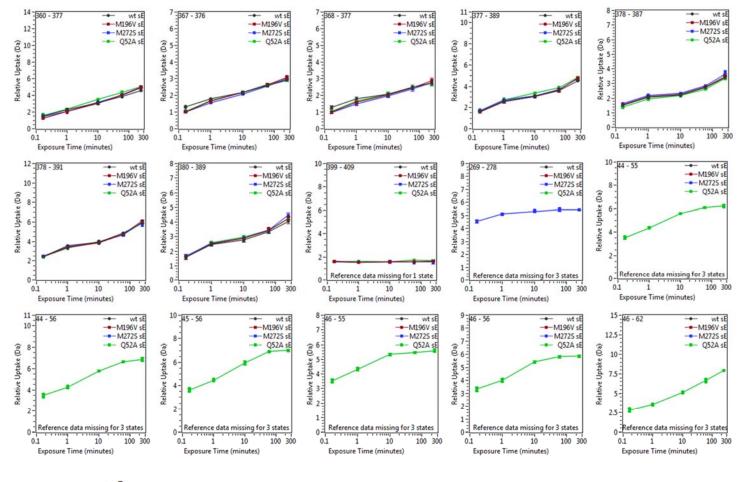
Data S1. Deuterium uptake plots comparing relative deuterium levels measured for the wild-type DENV2 sE (black circles) and sE-M196V (red squares), DENV sE-M272S (blue squares), and DENV sE-Q52A (green squares). Plots for all peptides followed in the hydrogendeuterium exchange (HDX) mass spectrometry comparisons are shown. The residues of each peptide are shown in the top left of each graph. Plots are listed from N-to-C from left to right and the maximum on the *y*-axis of each plot is the theoretical amount of deuterium that could be exchanged into backbone amide positions of each peptide. The final 7 plots are for peptides found only in the mutant constructs of sE. Plots are scaled for visualization and continue on the next four pages.











wt sE
M196V sE
M272S sE
Q52A sE