Description of Additional Supplementary Files

File name: Supplementary Data 1 **Description:** Data points for Figure 1c

File name: Supplementary Data 2 **Description:** Original gel for Figure 1d

File name: Supplementary Data 3

Description: Original gel for Figure 2a

File name: Supplementary Data 4 **Description:** Original gel for Figure 2b

File name: Supplementary Data 5

Description: Data points and original gel for Figure 2c

File name: Supplementary Data 6

Description: Data points and original gel for Figure 2d

File name: Supplementary Data 7

Description: Data points and original gel for Figure 2e

File name: Supplementary Data 8

Description: Data points and original gel for Figure 2f

File name: Supplementary Data 9

Description: Data points and original gel for Figure 2g

File name: Supplementary Data 10

Description: Data points and original gel for Figure 2h

File name: Supplementary Data 11

Description: Data points for Supplementary Figure 1b

File name: Supplementary Data 12

Description: Data points for Supplementary Figure 1c

File name: Supplementary Data 13

Description: Data points for Supplementary Figure 5

File name: Supplementary Movie 1

Description: Morph between Apo (PDBID: 6PZK) and JNJ-8003 bound RSV L+P structures, visualizing the potential conformational changes upon JNJ-8003 binding. RSV L+P and JNJ-8003 were shown as cartoon, and sticks, respectively. The side chains of key residues involving in the binding process were shown in sticks.