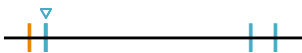


PB2



A horizontal black line representing the PB2 protein. It has 7 vertical tick marks: 3 blue (synonymous) and 4 orange (nonsynonymous). The mutations are located at approximately 15%, 20%, 22%, 80%, 85%, and 95% of the protein length.

PB1



A horizontal black line representing the PB1 protein. It has 5 vertical tick marks: 4 blue (synonymous) and 1 orange (nonsynonymous). The mutations are located at approximately 10%, 12%, 85%, 90%, and 92% of the protein length. A blue triangle symbol is positioned above the second mutation at approximately 12%.

PA



A horizontal black line representing the PA protein. It has 12 vertical tick marks: 8 blue (synonymous) and 4 orange (nonsynonymous). The mutations are clustered in the middle and right portions of the protein, at approximately 35%, 40%, 42%, 45%, 48%, 50%, 85%, 88%, 90%, 92%, 95%, and 98% of the protein length.

HA



A horizontal black line representing the HA protein. It has 3 vertical orange tick marks (nonsynonymous). The mutations are located at approximately 28%, 42%, and 75% of the protein length.

↕ Nonsynonymous
↕ Synonymous

NP



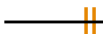
A horizontal black line representing the NP protein. It has 5 vertical tick marks: 3 blue (synonymous) and 2 orange (nonsynonymous). The mutations are located at approximately 25%, 28%, 32%, 42%, and 55% of the protein length.

NR



A horizontal black line representing the NR protein. It has 4 vertical tick marks: 2 blue (synonymous) and 2 orange (nonsynonymous). The mutations are located at approximately 15%, 18%, 35%, and 85% of the protein length.

M1



A horizontal black line representing the M1 protein. It has 2 vertical orange tick marks (nonsynonymous). The mutations are located at approximately 15% and 18% of the protein length.

NS



A horizontal black line representing the NS protein. It has 1 vertical blue tick mark (synonymous). The mutation is located at approximately 10% of the protein length.