Supplemental Material

C646, a novel p300/CREB-binding protein-specific inhibitor of histone acetyltransferase, attenuates influenza A virus infection

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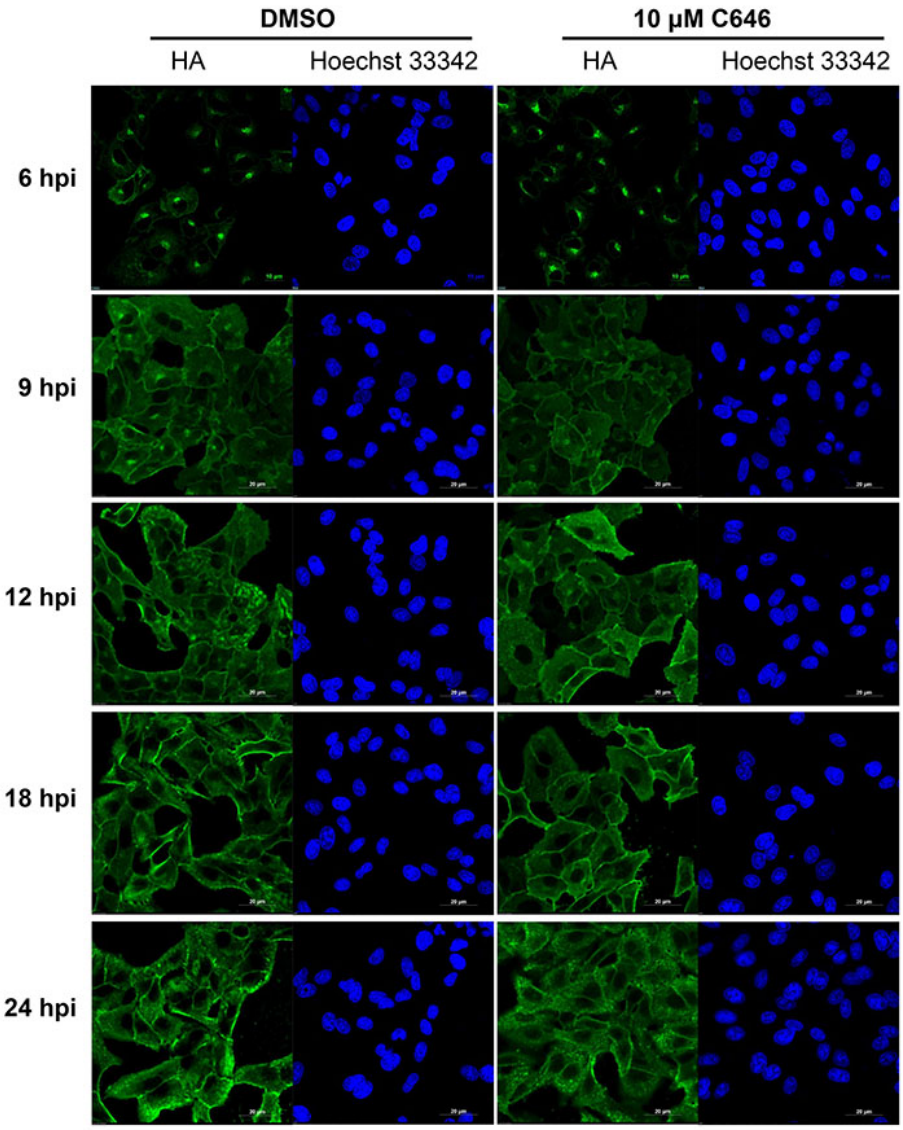

Figure S1 (related to Figure 2D.) The effect of C646 on the localization of influenza virus HA protein in A549 cells. A549 cells, treated with DMSO or C646, were infected with WSN virus at an MOI of 1. At the indicated times post-infection, cells were fixed with 4% paraformaldehyde and then were stained with an anti-HA (WS3-54) antibody. Nuclei were stained with Hoechst 33342 (Invitrogen). Fluorescence signals were acquired by using the Nikon confocal microscope system A1Rsi (Nikon, Japan).

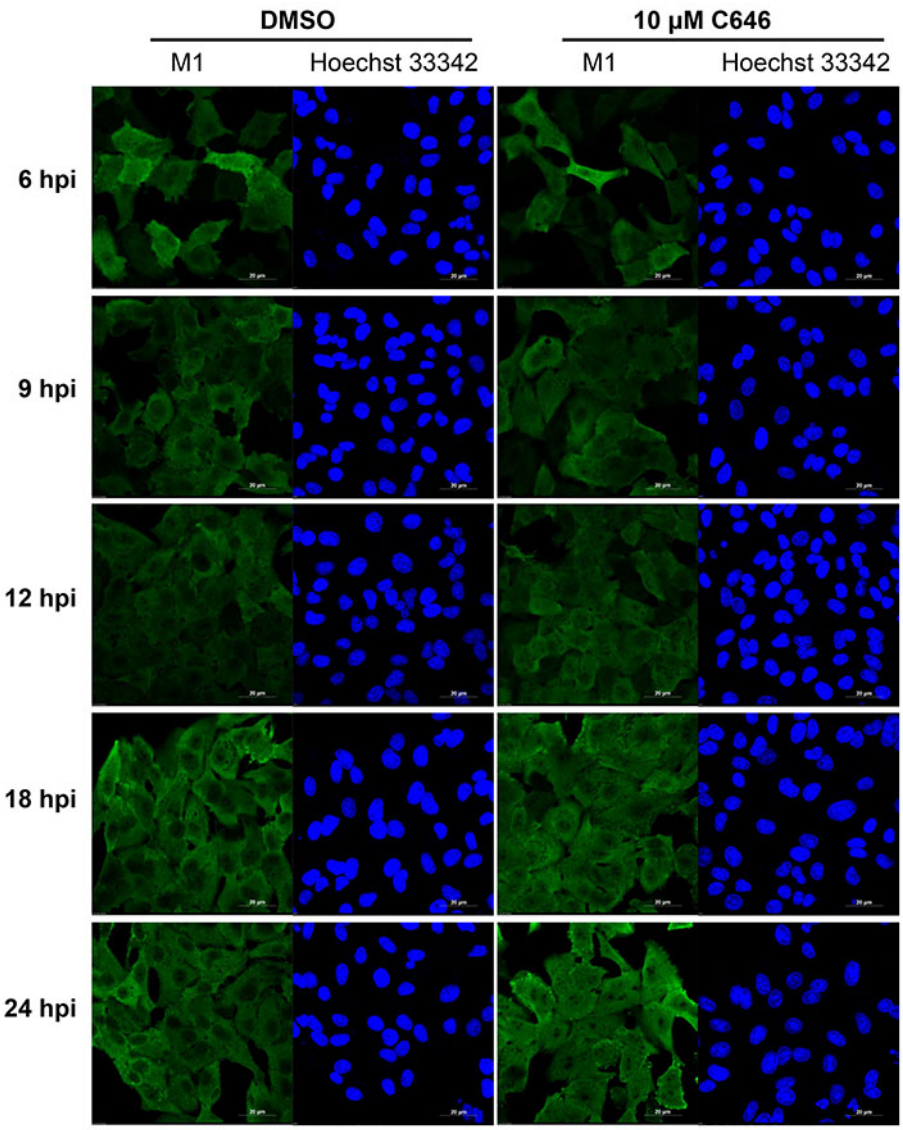

Figure S2 (related to Figure 2D). The effect of C646 on the localization of influenza virus M1 protein in A549 cells. A549 cells, treated with DMSO or C646, were infected with WSN virus at an MOI of 1. At the indicated times post-infection, cells were fixed with 4% paraformaldehyde and then were stained with an anti-M1 (WS27-52) antibody. Nuclei were stained with Hoechst 33342 (Invitrogen). Fluorescence signals were acquired by using the Nikon confocal microscope system A1Rsi (Nikon, Japan).

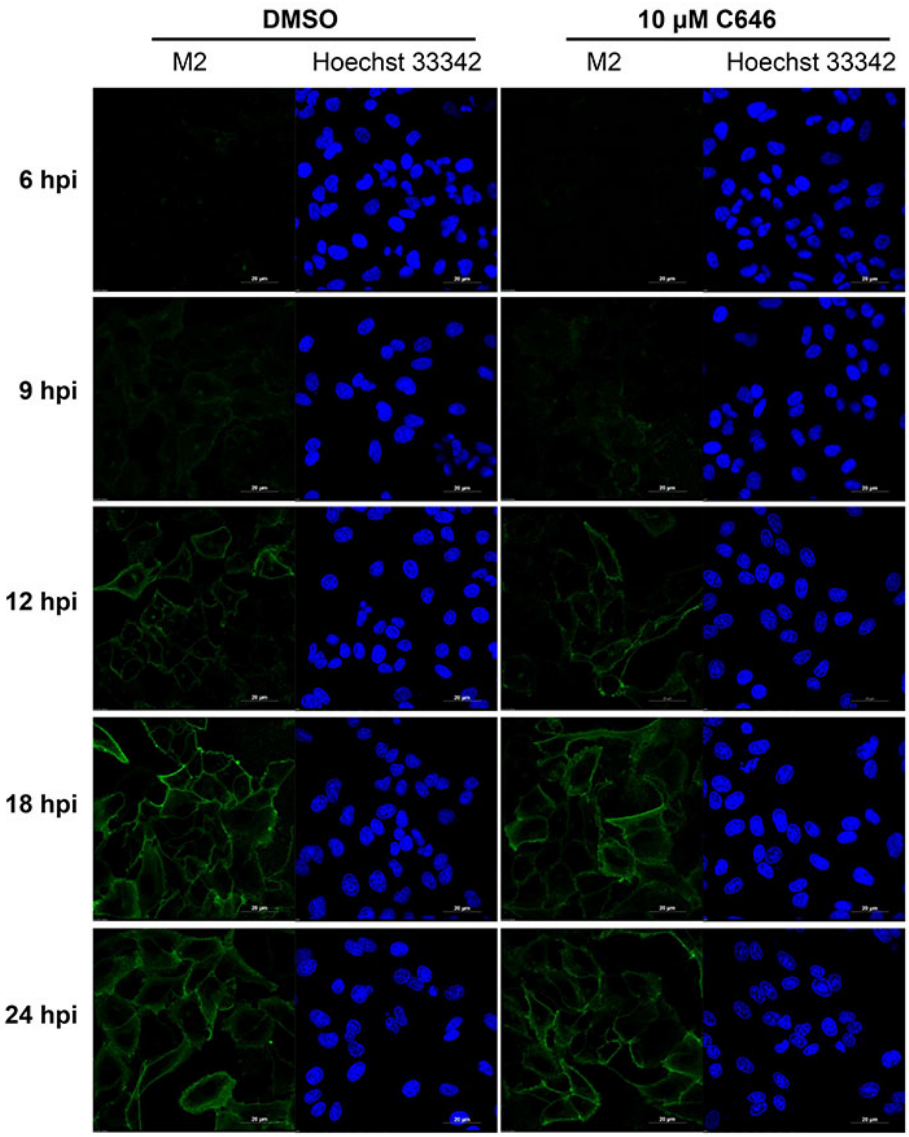

Figure S3 (related to Figure 2D). The effect of C646 on the localization of influenza virus M2 protein in A549 cells. A549 cells, treated with DMSO or C646, were infected with WSN virus at an MOI of 1. At the indicated times post-infection, cells were fixed with 4% paraformaldehyde and then were stained with an anti-M2 (SS23R15-1) antibody. Nuclei were stained with Hoechst 33342 (Invitrogen). Fluorescence signals were acquired by using the Nikon confocal microscope system A1Rsi (Nikon, Japan).

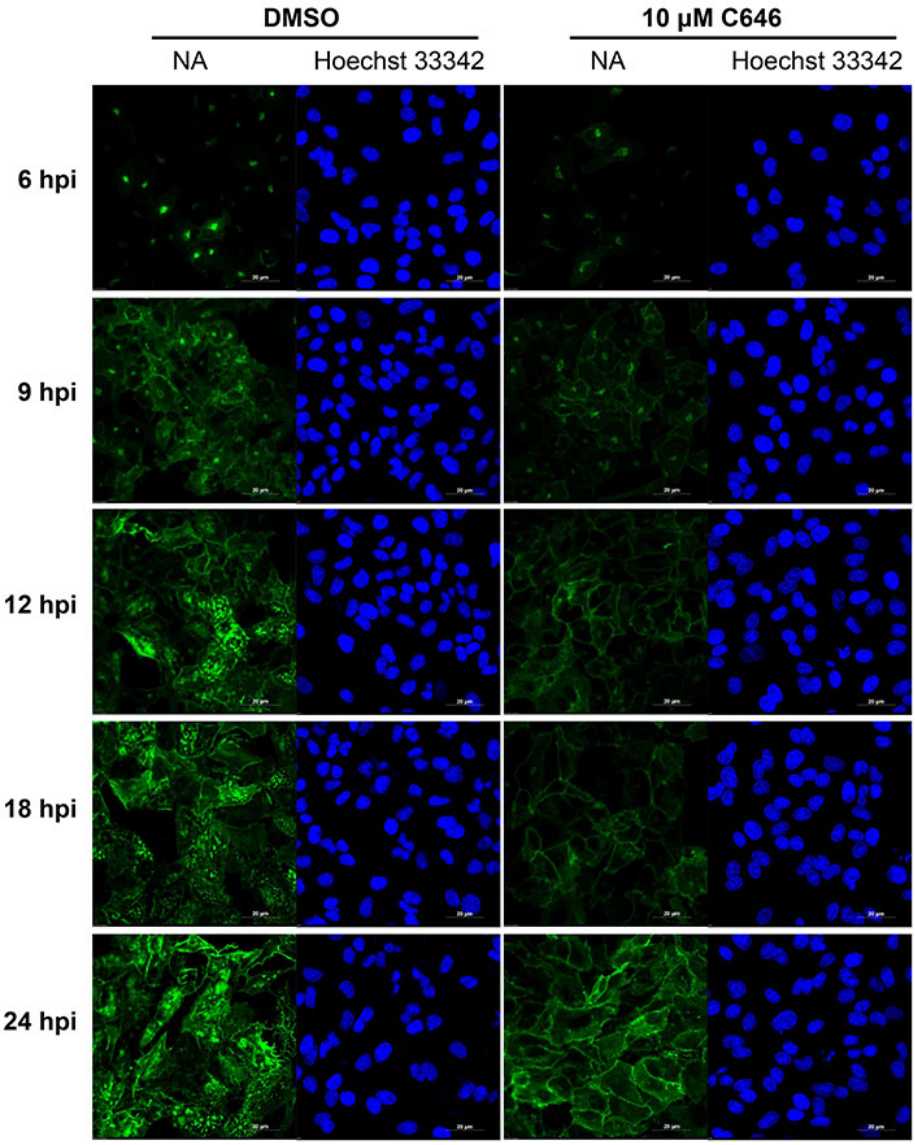

Figure S4 (related to Figure 2D). The effect of C646 on the localization of influenza virus NA protein in A549 cells. A549 cells, treated with DMSO or C646, were infected with WSN virus at an MOI of 1. At the indicated times post-infection, cells were fixed with 4% paraformaldehyde and then were stained with an anti-NA (WS5-29) antibody. Nuclei were stained with Hoechst 33342 (Invitrogen). Fluorescence signals were acquired by using the Nikon confocal microscope system A1Rsi (Nikon, Japan).

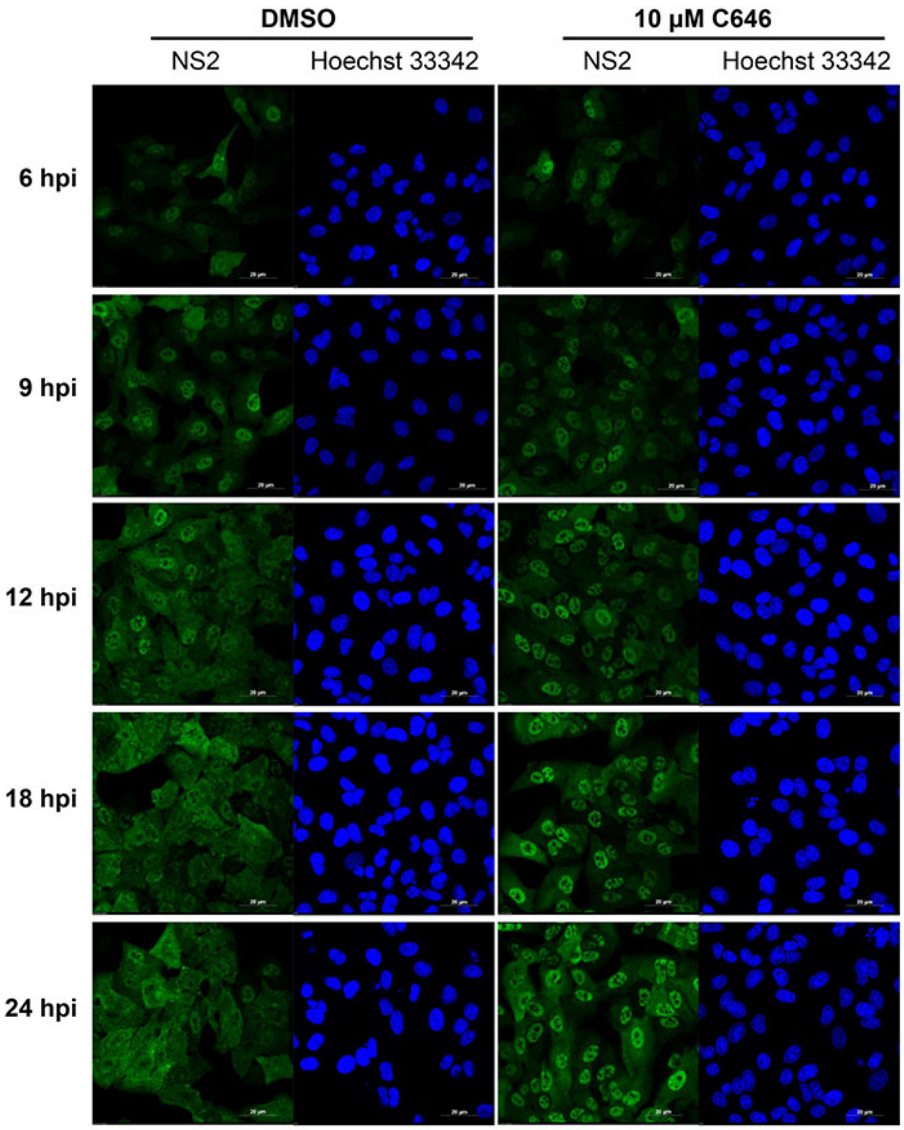

Figure S5 (related to Figure 2D). The effect of C646 on the localization of influenza virus NS2 protein in A549 cells. A549 cells, treated with DMSO or C646, were infected with WSN virus at an MOI of 1. At the indicated times post-infection, cells were fixed with 4% paraformaldehyde and then were stained with an anti-NS2 (R-5023) antibody. Nuclei were stained with Hoechst 33342 (Invitrogen). Fluorescence signals were acquired by using the Nikon confocal microscope system A1Rsi (Nikon, Japan).

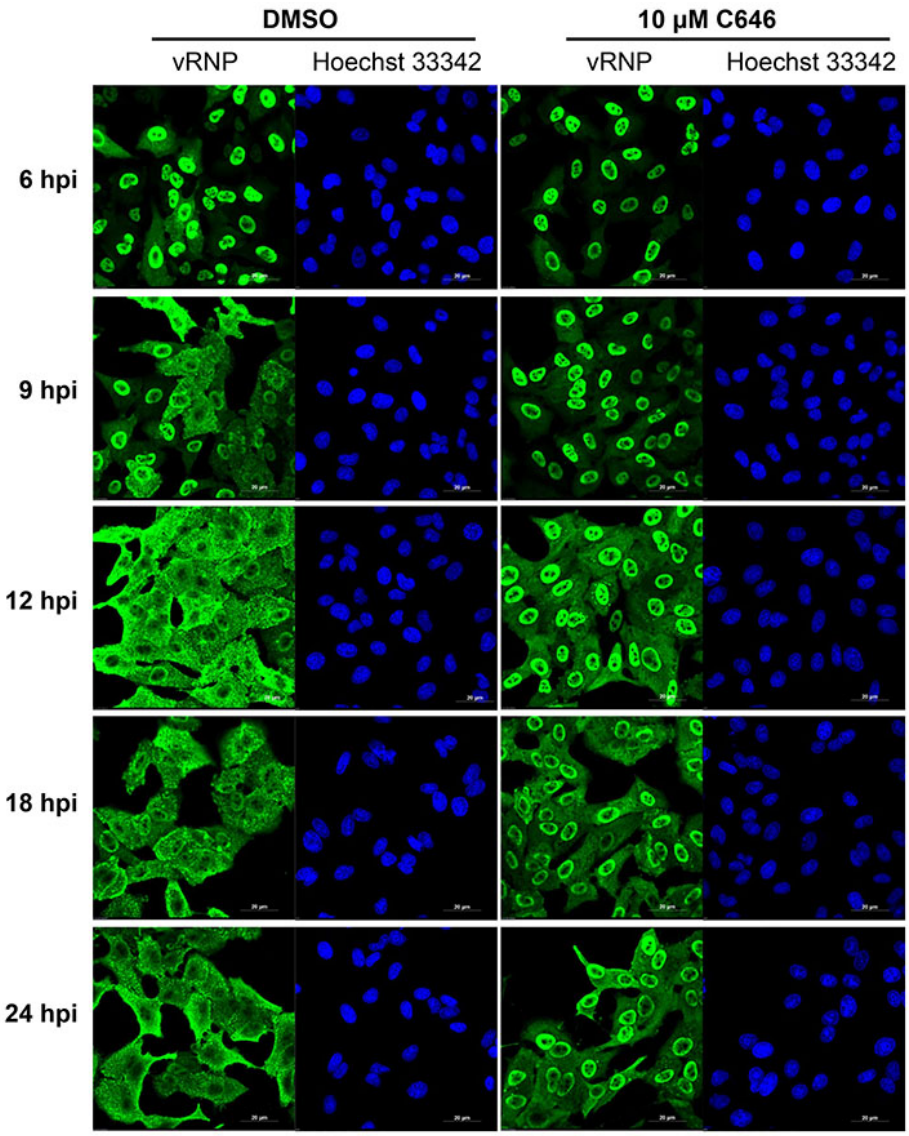

Figure S6 (related to Figure 2D). The effect of C646 on the localization of vRNP complexes in A549 cells. A549 cells, treated with DMSO or C646, were infected with WSN virus at an MOI of 1. At the indicated times post-infection, cells were fixed with 4% paraformaldehyde and then were stained with an anti-vRNP antibody. Nuclei were stained with Hoechst 33342 (Invitrogen). Fluorescence signals were acquired by using the Nikon confocal microscope system A1Rsi (Nikon, Japan).