

Supplemental Movie 1. Viral factory dynamics in infected cells. BHK-T7 cells were infected with rTC- μ NS(C-term-T1L)/P2, and at 18 h p.i. FIAsh-EDT2 was added to the cells to label TC- μ NS labeled VFs. After 45 mins incubation, images were acquired at 20 second intervals for 2 h. Images were processed using ImageJ software. Red arrow points to the two fusion events and the yellow arrow points to the kissing motion of VFs shown in Figure 7.

Supplemental Movie 2. Viral factory dynamics in infected cells without nocodazole treatment. Vero cells were infected with rTC- μ NS(C-term-T1L)/P5, and at 10 h p.i. FIAsh-EDT2 was added to the cells to label TC- μ NS labeled VFs. After 2 h incubation, FIAsh-EDT2 was removed and images were acquired at 2 min intervals for 2 h. Images were processed using ImageJ software. Red and blue arrows points to the two fusion events shown in Figure 8 and the green arrow shows disruption of two VFs in close proximity by movement of other VFs.

Supplemental Movie 3. Viral factory dynamics in infected cells with nocodazole treatment. Vero cells were infected with rTC- μ NS(C-term-T1L)/P5, treated with 10 μ M nocodazole at 6 h p.i., and at 10 h p.i. FIAsh-EDT2 was added to the cells to label TC- μ NS labeled VFs. After 2 h incubation, FIAsh-EDT2 was removed and images were acquired at 2 min intervals for 2 h. Images were processed using ImageJ software. The yellow arrow points to a VF cluster that cannot fuse, and the green arrow indicates VF movement shown in Figure 8.