

Movie S1 Example of PRRSV intercellular transmission when Marc-145-Vector cells are used as both donor cells and target cells. Marc-145-Vector cells were infected with 0.1 MOI of GFP-PRRSV for 48 h. Cells were digested and counted as donor cells. 5×10^5 donor cells (green) were co-cultured with 5×10^5 Marc-145-Vector-RFP cells (red, target cells) for 2 h at 37°C , followed by sorting using flow cytometry. About 4×10^5 target cells were plated in 35 mm culture dishes and continued to incubate for 12 h at 37°C , then time-lapse video imaging was conducted. Transmission and fluorescence images were taken every 5 min up to 60 hpi at 37°C , 5% CO_2 using a Nikon Biostation IMQ.

Movie S2 Example of PRRSV intercellular transmission when Marc-145-IFITM3-flag cells are used as both donor cells and target cells. Marc-145-IFITM3-flag-RFP cells were infected with 0.1 MOI of GFP-PRRSV for 48 h. Cells were digested and counted as donor cells. 5×10^5 donor cells (green) were cocultured with 5×10^5 Marc-145-IFITM3-flag-RFP cells (red, target cells) for 2 h at 37°C , followed by sorting using flow cytometry. About 4×10^5 target cells were plated in 35 mm culture dishes and continued to incubate for 12 h at 37°C , then time-lapse video imaging was conducted. Transmission and fluorescence images were taken every 5 min up to 60 hpi at 37°C , 5% CO_2 using a Nikon Biostation IMQ.