

1 **Supplementary movies S1-S3:**

2 Time-lapse confocal laser scanning microscopy (CLSM) of rHSV-RYC - and rHSV-RY-
3 infected cells. Vero cells were infected with rHSV-RYC (**S1** and **S2**) or rHSV-RY (**S3**) at
4 MOIs of 2 and 0.3 PFU, respectively. Cells that just started to accumulate fluorescent proteins
5 were monitored by CLSM with settings specific for ECFP (VP16-ECFP), EYFP (EYFP-gH),
6 and mRFP (mRFP-VP26). Images were processed with Imaris software (Bitplane, Zurich,
7 Switzerland).