



Supplementary Figure S1 – Viability of Vero cells after UL29 siRNA swarm treatment. Vero cells were transfected with either UL29 siRNA swarm or nonspecific siRNA swarm with 0.4 to 100 nM. Two days post infection, the cellular viability was determined using a luminescent cell viability assay, CellTiter Glo (G7570, Promega, Madison, WI). The derived viability data is shown as relative viability % versus water transfection. The vertical line represents 80% relative viability, which is considered good tolerability. The nonspecific, bacterial *lacI* gene- derived siRNA swarm is previously described in Levanova et al. (2020), ref. [15].