

## Supplementary figure

A.

**B.**

	<b>MDV-1</b>	<b>MDV-2</b>	<b>HVT</b>	<b>HSV-1</b>	<b>VZV</b>
<b>MDV-1</b>	100				
<b>MDV-2</b>	59	100			
<b>HVT</b>	60	53	100		
<b>HSV-1</b>	36	33	36	100	
<b>VZV</b>	32	32	33	39	100

**Figure S1. Comparative analysis of U<sub>S</sub>3 from alphaherpesviruses.** (A) Amino acid sequence alignment of U<sub>S</sub>3 from MDV-1, MDV-2, HVT, herpes simplex virus type 1 (HSV-1), and varicella-zoster virus (VZV). The ATP binding site and catalytic active site are highlighted in yellow and green, respectively. (B) The amino acid percent identify matrix of U<sub>S</sub>3 from MDV-1, MDV-2, HVT, HSV-1, and VZV.