

## Figure S7

SP|009800|GN\_HHV11 -MGP<sub>1</sub>PRRVCPAGLLFVLLVALAAGD---AGPRGEP-PGEEG-G-----RDGIGGAR CETQNTGQMSRPGALVPFYVGMA----- 69  
SP|Q86539|GN\_HHV2H MTGKPARLGRWV--VLLFVA---LV---AGVPGE<sub>2</sub>P-PNAAG-A-----RGVIGDAQCRCGDSAGVVSVPGVLVPFYLGMTS----- 65  
SP|Q65ZG0|GN\_VZVD -----MG-----SITASFILIT-----MQILF<sub>1</sub>FC---EDSSGE<sub>2</sub>PNFAERNFWHASC SARGVYIDGSMTTIFY--ASLL 60  
TR|B9VXN1|B9VXN1\_HCMVT -----MEWNTLVLGLLVLVAASSNHTSTASTPS<sub>3</sub>SSSTHTST<sub>4</sub>VKATTATTSTTTVTS<sub>5</sub>TSTKPGSTTHDPNVMPHAHNDFYKAHCTSHMYELSLSSFAAWWTMLNALIL 112  
SP|P0C6Z3|GN\_EBVA8 -----MGKVLR-----K-PFA-----KAVPLLFLAATWL---LTGVLPAGASSP<sub>6</sub>TNAAAASI<sub>7</sub>TEAQDQFYSYTCNADTFSPSLTSFASIWALLTLV<sub>8</sub> 79  
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SP|009800|GN\_HHV11 MG-VCIIAHVCQICQRLLAAGHA--- 91  
SP|Q86539|GN\_HHV2H MG-VCMIAHVYQICQRALAAGSA--- 87  
SP|Q65ZG0|GN\_VZVD GVCVALISIAYHACFRLFTRSVLRSTW 87  
TR|B9VXN1|B9VXN1\_HCMVT MGAF<sub>1</sub>CIVL<sub>2</sub>R--HCCFQNF<sub>3</sub>TATTTKGY- 136  
SP|P0C6Z3|GN\_EBVA8 IIASAIYLM--YVCFNKFVN<sub>5</sub>LLTD-- 102