

S5 Table. GenBank IDs of the primate host and viral protein sequences aligned.

Host Gene	Host Species	Host Protein ID	Viral Gene	Viral Species	Viral Protein ID
<i>IL10</i>	<i>Macaca fascicularis</i>	XP_005540710	<i>BCRF1</i>	Lymphocryptovirus Macaca	ALF03208
<i>IL10</i>	<i>Macaca mulatta</i>	NP_001038192	<i>BCRF1</i>	Macacine Herpesvirus 4	YP_067941
<i>IL10</i>	<i>Homo sapiens</i>	NP_000563	<i>BCRF1</i>	Epstein-Barr Virus (EBV)	YP_001129439
<i>IL10</i>	<i>Papio anubis</i>	XP_003893246	<i>vIL10</i>	Papiine Herpesvirus 1	AAF23949
<i>DHFR</i>	<i>Saimiri boliviensis</i>	XP_010340850	<i>ORF2</i>	Herpesvirus Saimiri (HVS)	NP_040203
<i>DHFR</i>	<i>Macaca nemestrina</i>	XP_011728325	<i>ORF2</i>	Macaca nemestrina Rhadinovirus 2 (MneRV2)	AJE29641
<i>SLAMF6</i>	<i>Saimiri boliviensis</i>	- ^a	<i>SI</i>	Squirrel Monkey Cytomegalovirus (SMCMV)	YP_004940177
<i>IL17A</i>	<i>Saimiri boliviensis</i>	XP_003923160	<i>ORF13</i>	Herpesvirus Saimiri (HVS)	NP_040215
<i>TYMS</i>	<i>Macaca mulatta</i>	NP_001182436	<i>ORF13</i>	Simian Varicella Virus (SVV)	NP_077428
<i>TYMS</i>	<i>Aotus nancymae</i>	XP_012300458	<i>ORF70</i>	Ateline Herpesvirus 3 (AtHV3)	NP_048042
<i>TYMS</i>	<i>Saimiri boliviensis</i>	XP_003924847	<i>ORF70</i>	Herpesvirus Saimiri (HVS)	NP_040272
<i>TYMS</i>	<i>Homo sapiens</i>	NP_001062	<i>ORF13</i>	Varicella Zoster Virus (VZV)	AKG58489
<i>TYMS</i>	<i>Homo sapiens</i>	NP_001062	<i>ORF70</i>	Kaposi's Sarcoma-associated Herpesvirus (KSHV)	ALH44776
<i>TYMS</i>	<i>Macaca mulatta</i>	NP_001182436	<i>ORF70</i>	Rhesus Monkey Rhadinovirus (RRV)	AAF59999
<i>TYMS</i>	<i>Macaca nemestrina</i>	XP_011711015	<i>ORF70</i>	Macaca nemestrina Rhadinovirus 2 (MneRV2)	AJE29652
<i>TYMS</i>	<i>Macaca nemestrina</i>	XP_011711015	<i>ORF70</i>	Retroperitoneal Fibromatosis-associated Herpesvirus (RFHV)	AGY30693
<i>CD59</i>	<i>Saimiri boliviensis</i>	XP_010331578	<i>ORF15</i>	Herpesvirus Saimiri (HVS)	NP_040217
<i>LOC101037697</i>	<i>Saimiri boliviensis</i>	XP_010335696	<i>S28</i>	Squirrel Monkey Cytomegalovirus (SMCMV)	YP_004940312
<i>LY9</i>	<i>Aotus nancymae</i>	XP_012305076	<i>A33</i>	Owl Monkey Cytomegalovirus (OMCMV)	YP_004940161
<i>CD48</i>	<i>Aotus nancymae</i>	XP_012305080	<i>A43</i>	Owl Monkey Cytomegalovirus (OMCMV)	YP_004940172

^a*S. boliviensis* SLAMF6 protein sequence was predicted from the genome. As this region is not completely sequenced, there are 52 amino acids missed that were extrapolated from the *A. nancymae* SLAMF6 protein (XP_012305082).