

Supplemental Table 1

Major characteristics of HLA ligand-containing vaccinia proteins ^a

Protein	Name	Expression	Signal sequence	Transmembrane domains	Encapsidated	pI	Mw	PTM ^b	Essential to VACV
A10L	P4a precursor	Late	None	0	Yes, in core	6.1	102		NI ^c
A17L	IMV membrane protein	Late	Putative	4	Yes, in membrane	4.4	23	Phosphorylation	Yes
A50R	DNA ligase	Early	None	0	No	7.9	63		No
B8R	IFN-gamma receptor	Early	Putative	0	No	5.5	31		NI
C11R	EGF growth factor	Early	Putative	1	No	6.4	16		NI
D5R	NTPase	Early	None	0	No	6.8	90		Yes
D8L	Carbonic anhydrase	Late	None	1	Yes, in membrane	8.8	35		NI
K2L	Serpin 1,2,3	Early/Late	Putative	0	No	9.0	42		NI

^a All information was obtained from the Poxvirus Bioinformatics Resources Center (<http://www.poxvirus.org>).

^b PTM, post-translational modification.

^c NI, no information.