

logo

Varicellovirus	Varicella-zoster virus	Tegument	pro..17.23	EAEEDAI	7
Varicellovirus	Varicella-zoster virus	Tegument	pro..46.52	EAEEDYF	7
Varicellovirus	Varicella-zoster virus	Tegument	pro..33.39	EAEEDAI	7
Varicellovirus	Varicella-zoster virus	Tegument	pro..49.55	EAEEDAI	7
Varicellovirus	Varicella-zoster virus	Tegument	pro..5.11	EAEEDAI	7
Varicellovirus	Varicella-zoster virus	Tegument	pro..47.53	EAEEDAI	7
Varicellovirus	Varicella-zoster virus	Tegument	pro..19.25	EAEEDAI	7
Varicellovirus	Varicella-zoster virus	Tegument	pro..17.23	EAEEDAI	7
Varicellovirus	Varicella-zoster virus	Tegument	pro..33.39	EAEEDAI	7
Varicellovirus	Varicella-zoster virus	Tegument	pro..37.43	EAEEDAI	7
Varicellovirus	Varicella-zoster virus	Tegument	pro..48.54	EAEEDAI	7
Varicellovirus	Varicella-zoster virus	Tegument	pro..9.15	EAEEDAI	7
Varicellovirus	Varicella-zoster virus	Tegument	pro..20.26	EAEEDAI	7
Varicellovirus	Varicella-zoster virus	Tegument	pro..31.37	EAEEDYF	7
consensus				!!!!!!	

- X non-conserved
- X ≥ 50% conserved
- X ≥ 75% conserved

logo

Varicellovirus	Varicella-zoster	virus	Tegument	pro..5.11	DAIDDEG	7
Varicellovirus	Varicella-zoster	virus	Tegument	pro..21.27	DAIDDEG	7
Varicellovirus	Varicella-zoster	virus	Tegument	pro..9.15	DAIDDEG	7
Varicellovirus	Varicella-zoster	virus	Tegument	pro..25.31	DAIDDEG	7
Varicellovirus	Varicella-zoster	virus	Tegument	pro..23.29	DAIDDEG	7
Varicellovirus	Varicella-zoster	virus	Tegument	pro..5.11	DAIDDEG	7
Varicellovirus	Varicella-zoster	virus	Tegument	pro..21.27	DAIDDEG	7
Varicellovirus	Varicella-zoster	virus	Tegument	pro..37.43	DAIDDEG	7
Varicellovirus	Varicella-zoster	virus	Tegument	pro..9.15	DAIDDEG	7
Varicellovirus	Varicella-zoster	virus	Tegument	pro..2.8	DAIDDEG	7
Varicellovirus	Varicella-zoster	virus	Tegument	pro..13.19	DAIDDEG	7
Varicellovirus	Varicella-zoster	virus	Tegument	pro..24.30	DAIDDEG	7
consensus					!!!!!!!	

- ⓧ

 non-conserved
- ⓧ

 ≥ 50% conserved
- ⓧ

 ≥ 75% conserved

logo

Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..39.47	LEAQIAALV	9
Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..11.19	LEAQIAALV	9
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..48.56	LEAQIAALV	9
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..20.28	LEAQIAALV	9
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..29.37	LEAQIAALV	9
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..1.9	LEAQIAALV	9
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..30.38	LEAQIAALV	9
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..2.10	LEAQIAALV	9
consensus			!!!!!!!	

- X non-conserved
- X ≥ 50% conserved
- X ≥ 75% conserved

logo

Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..40.48	Y	L	W	I	P	A	A	H	Y	9
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..46.54	Y	L	W	I	P	A	S	H	Y	9
Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..12.20	Y	L	W	I	P	A	A	H	Y	9
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..43.51	Y	L	W	I	P	A	A	H	Y	9
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..15.23	Y	L	W	I	P	A	A	H	Y	9
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..18.26	Y	L	W	I	P	A	S	H	Y	9
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..48.56	Y	L	W	I	P	A	S	H	Y	9
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..20.28	Y	L	W	I	P	A	S	H	Y	9
consensus			!	!	!	!	!	!	!	!	!	

- X

 non-conserved
- X

 ≥ 50% conserved
- X

 ≥ 75% conserved

logo

Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..35.41	KRRRYEA	7
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..44.50	KRRRYET	7
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..36.42	KRRRHEV	7
Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..7.13	KRRRYEA	7
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..34.40	KRRRYEA	7
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..6.12	KRRRYEA	7
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..16.22	KRRRYET	7
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..8.14	KRRRHEV	7
consensus			!!!!!!*	

- X non-conserved
- X ≥ 50% conserved
- X ≥ 75% conserved

logo

Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..29.37	PGEARAPPR	9
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..38.46	PGEARALPR	9
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..32.40	PGEARGAPR	9
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..34.42	PGEARPEPR	9
Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..1.9	PGEARAPPR	9
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..10.18	PGEARALPR	9
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..4.12	PGEARGAPR	9
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..6.14	PGEARPEPR	9
consensus			!!!!!* !!	

- X non-conserved
- X ≥ 50% conserved
- X ≥ 75% conserved

logo

Simplexvirus Herpes simplex virus type 2 Envelope ..43.56	QAREMIRYMALVSA	14
Simplexvirus Human herpesvirus 1 Envelope glycopro..30.43	EAREMIRYMALVSA	14
Varicellovirus Varicella-zoster virus Envelope gly..34.47	EAQEMIKYMTLVSA	14
Simplexvirus Herpes simplex virus type 2 Envelope ..15.28	QAREMIRYMALVSA	14
Simplexvirus Human herpesvirus 1 Envelope glycopro..2.15	EAREMIRYMALVSA	14
Simplexvirus Human herpesvirus 2 Envelope glycopro..30.43	EAREMIRYMALVSA	14
Simplexvirus Human herpesvirus 2 Envelope glycopro..2.15	EAREMIRYMALVSA	14
Varicellovirus Varicella-zoster virus Envelope gly..6.19	EAQEMIKYMTLVSA	14
consensus	! ! ! ! ! ! ! ! ! ! ! !	

- X non-conserved
- X ≥ 50% conserved
- X ≥ 75% conserved

logo

Simplexvirus Herpes simplex virus type 2 Envelope ..29.37	MERTEHKAR	9
Simplexvirus Human herpesvirus 1 Envelope glycopro..44.52	MERTEHKAK	9
Varicellovirus Varicella-zoster virus Envelope gly..48.56	AERQESKAR	9
Simplexvirus Herpes simplex virus type 2 Envelope ..1.9	MERTEHKAR	9
Simplexvirus Human herpesvirus 2 Envelope glycopro..44.52	MERTEHKAR	9
Simplexvirus Human herpesvirus 2 Envelope glycopro..16.24	MERTEHKAR	9
Simplexvirus Human herpesvirus 1 Envelope glycopro..16.24	MERTEHKAK	9
Varicellovirus Varicella-zoster virus Envelope gly..20.28	AERQESKAR	9
consensus	!!!!!!!	

- X non-conserved
- X ≥ 50% conserved
- X ≥ 75% conserved



logo

Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..10.16	EAGETEA	7
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..20.26	EAGDPEA	7
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..33.39	TGSQPEA	7
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..38.44	EASNAEA	7
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..7.13	SLPQPEA	7
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..5.11	TGSQPEA	7
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..10.16	EASNAEA	7
consensus			*****!!	



- X non-conserved
- X ≥ 50% conserved
- X ≥ 75% conserved

logo

Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..44.51	D	C	D	Y	D	D	R	D	8
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..25.32	E	C	D	H	D	D	R	D	8
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..46.53	Y	C	D	Q	D	E	P	D	8
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..48.55	D	C	G	R	D	E	P	D	8
Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..16.23	D	C	D	Y	D	D	R	D	8
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..18.25	Y	C	D	Q	D	E	P	D	8
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..20.27	D	C	G	R	D	E	P	D	8
consensus			*	!	!	!	*	*	!		



- X non-conserved
- X ≥ 50% conserved
- X ≥ 75% conserved

logo

Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..32.49	T	I	A	L	V	G	A	V	T	S	L	Q	Q	E	L	A	H	18	
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..39.56	T	I	A	L	V	G	A	V	T	S	L	Q	Q	E	L	S	H	18	
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..29.46	T	I	T	A	L	M	G	A	V	T	S	L	Q	Q	E	L	A	H	18
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..31.48	T	I	T	A	L	V	G	A	V	T	S	L	Q	Q	E	L	A	H	18
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..11.28	T	I	A	L	V	G	A	V	T	S	L	Q	Q	E	L	S	H	18	
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..1.18	T	I	T	A	L	M	G	A	V	T	S	L	Q	Q	E	L	A	H	18
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..3.20	T	I	T	A	L	V	G	A	V	T	S	L	Q	Q	E	L	A	H	18
consensus			!	!	*	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	

- X non-conserved
- X ≥ 50% conserved
- X ≥ 75% conserved

logo

Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..29.36	PAPVFGAP	8
Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..10.17	PPPAFGAP	8
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..32.39	PGPAFGAP	8
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..40.47	PHSAFGFP	8
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..42.49	PLTACGLP	8
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..4.11	PGPAFGAP	8
consensus			! ! ! ! !	

- non-conserved
- ≥ 50% conserved
- ≥ 75% conserved




logo

Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..21.28	PHHAGVY	8
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..29.36	PPHPGGVY	8
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..39.46	PPHV AHQY	8
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..12.19	PPPPAHPY	8
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..1.8	PPHPGGVY	8
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..11.18	PPHV AHQY	8
consensus			!!!*! *!	

- X non-conserved
- X ≥ 50% conserved
- X ≥ 75% conserved

logo

Simplexvirus	Cercopithecine herpesvirus 1 Capsid m..2.10	GVVFP GPSP	9
Simplexvirus	Cercopithecine herpesvirus 16 UL26 55..39.47	GVLFPGPSP	9
Simplexvirus	Human herpesvirus 1 Capsid scaffoldin..48.56	GVLFSGPSP	9
Simplexvirus	Human herpesvirus 2 Capsid scaffoldin..21.29	GMLFAGPSP	9
Simplexvirus	Cercopithecine herpesvirus 16 UL26 55..11.19	GVLFPGPSP	9
Simplexvirus	Human herpesvirus 1 Capsid scaffoldin..20.28	GVLFSGPSP	9
consensus		!! ! ! * ! ! ! !	

	non-conserved
	$\geq 50\%$ conserved
	$\geq 75\%$ conserved

logo

Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..19.29	ALVNASATHV	11
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..46.56	ALVNASAAHV	11
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..29.39	ALVNASATHV	11
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..1.11	ALVNASATHV	11
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..18.28	ALVNASAAHV	11
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..20.30	ALVNASAAHV	11
consensus			!!!!!! ! !!	

- X non-conserved
- X ≥ 50% conserved
- X ≥ 75% conserved

logo

Simplexvirus	Cercopithecine herpesvirus 1	Capsid m..19.25	<div>RRAPPSA</div>	7
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..25.31	<div>GRARRA</div>	7
Simplexvirus	Cercopithecine herpesvirus 16	UL26 55..28.34	<div>RRAAPTP</div>	7
Simplexvirus	Human herpesvirus 1	Capsid scaffoldin..17.23	<div>RRARRHS</div>	7
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..47.53	<div>RRARRQA</div>	7
Simplexvirus	Human herpesvirus 2	Capsid scaffoldin..19.25	<div>RRARRQA</div>	7
consensus			<div>!!!!!</div>	

- X

 non-conserved
- X

 ≥ 50% conserved
- X

 ≥ 75% conserved