

S1 Table. A list of HSV-1 envelope glycoprotein-derived glycopeptides identified in the MS/MS analysis.

N-	Sequence ¹	C-	Entry	Gene	Accession	UniProt	Activation type	Modifications	Unambiguous O-linked glycosylation sites	XCorr
31	APSSPGTPGVAAATQAANGGP ATPAPPAPGAPPTGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	2x HexNAc		7.50
31	APSSPGTPGVAAATQAANGGP ATPAPPAPGAPPTGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	3x HexNAc		6.89
33	SSPGTPGVAAATQAANGGPAT PAPPAPGAPPTGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	2x HexNAc		8.20
42	AATQAANGGPATPAPPAGAP PTGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	2x HexNAc		5.17
43	ATQAANGGPATPAPPAGAPP TGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	2x HexNAc		5.45
43	ATQAANGGPATPAPPAGAPP TGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	3x HexNAc	T44; T53; T64	4.04
44	TQAANGGPATPAPPAGAPPT GDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	2x HexNAc		5.05
46	AANGGPATPAPPAGAPPTGD PKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	2x HexNAc	T53; T64	4.93
49	GGPATPAPPAGAPPTGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T5(HexNAc)	T53	3.96
49	GGPATPAPPAGAPPTGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		4.86
49	GGPATPAPPAGAPP TGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	2x HexNAc	T53; T64	4.70
49	GGPATPAPPAGAPP TGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc; 1x Hex1HexNAc1	T53; T64	3.80
49	GGPATPAPPAGAPP TGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	2x Hex1HexNAc1	T53; T64	4.86
50	GPATPAPPAGAPP TGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T4(HexNAc); T15(HexNAc)	T53; T64	3.33
50	GPATPAPPAGAPP TGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	2x HexNAc	T53; T64	5.66
50	GPATPAPPAGAPP TGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	2x Hex1HexNAc1	T53; T64	4.08
51	PATPAPPAGAPP TGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	2x HexNAc	T53; T64	4.84
53	TPAPPAGAPP TGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T1(HexNAc); T12(HexNAc)	T53; T64	3.23
53	TPAPPAGAPP TGDPKPK	70	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	2x HexNAc	T53; T64	4.17
103	DIKAENTDANFYVCPPTGATV VQFEQPR	131	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		3.37
103	DIKAENTDANFYVCPPTGATV VQFEQPR	131	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x Hex1HexNAc1		6.79
106	AENTDANFYVCPPTGATVVQ FEQPR	131	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T15(HexNAc)	T120	4.14
106	AENTDANFYVCPPTGATVVQF EQPR	131	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		6.93
106	AENTDANFYVCPPTGATVVQF EQPRR	132	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		4.26
108	NTDANFYVCPPTGATVVQFE QPR	131	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		6.15
113	FYVCPPTGATVVQFEQPR	131	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		5.71
114	YVCPPTGATVVQFEQPR	131	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		4.02
115	VCPPTGATVVQFEQPR	131	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T6(HexNAc)	T120	2.40
115	VCPPTGATVVQFEQPR	131	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		3.10
106	AENTDANFYVCPPTGATVVQF EQPR	131	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x Hex1HexNAc1		7.17
106	AENTDANFYVCPPTGATVVQF EQPR	131	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	2x Hex1HexNAc1		6.11
167	DV TV SQVWF GHR	178	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T3(HexNAc)	T169	5.34

¹ Unambiguous O-glycosylation sites within peptide sequences are marked in bold.

167	DVTVSQVWFGR	178	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		4.39
216	NNLETTAFHR	225	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T6(HexNAc)	T221	2.77
216	NNLETTAFHR	225	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		2.78
216	NNLETTAFHRDDHETDMELKPA ANAATR	242	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T5(HexNAc)		5.47
216	NNLETTAFHRDDHETDMELKPA ANAATR	242	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		5.08
220	TTAFHRDDHETDMELKPANAA TR	242	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T22(HexNAc)	T241	6.80
265	YGTTVNCIVEVDAR	279	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	2x HexNAc		4.12
305	EGSHTTEHTSYAADRFK	320	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T5(HexNAc)	T309	5.56
305	EGSHTTEHTSYAADRFK	320	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T8(HexNAc)	T312	5.37
305	EGSHTTEHTSYAADRFK	320	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T5(Hex1HexNAc1)	T309	4.09
305	EGSHTTEHTSYAADRFK	320	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x Hex1HexNAc1		4.74
475	KPPNPTPPPP	484	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc	T480	2.71
475	KPPNPTPPPPG	485	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc	T480	3.11
475	KPPNPTPPPPGA	486	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc	T480	3.42
475	KPPNPTPPPPGAS	487	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		3.78
475	KPPNPTPPPPGASAN	489	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		4.43
475	KPPNPTPPPPGASANASVER	494	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T6(HexNAc)	T480	4.35
475	KPPNPTPPPPGASANASVER	494	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		5.16
475	KPPNPTPPPPGASANASVER	494	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	2x HexNAc		3.53
475	KPPNPTPPPPG	485	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x Hex1HexNAc1	T480	2.91
475	KPPNPTPPPPGA	486	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x Hex1HexNAc1	T480	3.22
495	IKTTSSIEFAR	505	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T3(HexNAc); T4(HexNAc)	T497; T498	3.42
495	IKTTSSIEFAR	505	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T3(Hex1HexNAc1)		2.03
495	IKTTSSIEFAR	505	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	S5(Hex1HexNAc1)	S499	2.85
495	IKTTSSIEFAR	505	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T3(Hex1HexNAc1); T4(Hex1HexNAc1)	T497; T498	3.34
495	IKTTSSIEFAR	505	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x Hex1HexNAc1		2.76
545	LNPNAIASATVGR	557	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T10(HexNAc)	T554	2.34
545	LNPNAIASATVGR	557	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		2.35
628	DAIEPCTVGHR	638	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T7(HexNAc)	T634	2.82
628	DAIEPCTVGHR	638	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		3.12
625	LTRDALEPCTVGHR	638	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T10(HexNAc)	T634	4.67
625	LTRDALEPCTVGHR	638	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		4.55
628	DALEPCTVGHR	638	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T7(HexNAc)	T634	3.01
628	DALEPCTVGHR	638	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc	T634	2.12
628	DALEPCTVGHR	639	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T7(HexNAc)	T634	3.62
678	LEDHEFVPLEVYTR	691	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		4.83
683	FVPLEVYTR	691	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T8(HexNAc)	T690	2.47
692	HEIKDSGLLDYTEVQR	707	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T12(HexNAc)	T703	5.33

692	HEIKDSGLLDYTEVQR	707	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		5.87
692	HEIKDSGLLDYTEVQRR	708	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T12(HexNAc)	T703	7.37
692	HEIKDSGLLDYTEVQRR	708	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		5.24
696	DSGLLDYTEVQR	707	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		2.50
696	DSGLLDYTEVQRR	708	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T8(HexNAc)	T703	1.92
697	SGLLDYTEVQR	707	GB_HHV11	gB	P10211	Envelope glycoprotein B	ETD	T7(HexNAc)	T703	2.41
697	SGLLDYTEVQR	707	GB_HHV11	gB	P10211	Envelope glycoprotein B	HCD	1x HexNAc		2.84
76	TTPTEPASPTTPKP	90	GC_HHV11	GC	P10228	Glycoprotein C	HCD	2x HexNAc		2.51
76	TTPTEPASPTTPKPT	91	GC_HHV11	GC	P10228	Glycoprotein C	ETD	T16(HexNAc)	T91	3.43
76	TTPTEPASPTTPKPT	91	GC_HHV11	GC	P10228	Glycoprotein C	HCD	1x HexNAc		2.70
76	TTPTEPASPTTPKPT	91	GC_HHV11	GC	P10228	Glycoprotein C	HCD	2x HexNAc		2.51
76	TTPTEPASPTTPKPTS	92	GC_HHV11	GC	P10228	Glycoprotein C	HCD	2x HexNAc		2.74
76	TTPTEPASPTTPKPTSTPK	95	GC_HHV11	GC	P10228	Glycoprotein C	ETD	T12(HexNAc)	T87	3.16
76	TTPTEPASPTTPKPTSTPK	95	GC_HHV11	GC	P10228	Glycoprotein C	ETD	T16(HexNAc)	T91	4.98
76	TTPTEPASPTTPKPTSTPK	95	GC_HHV11	GC	P10228	Glycoprotein C	ETD	T1(HexNAc); S17(HexNAc)	T76; S92	3.44
76	TTPTEPASPTTPKPTSTPK	95	GC_HHV11	GC	P10228	Glycoprotein C	ETD	S8(HexNAc); S17(HexNAc)	S92	2.81
76	TTPTEPASPTTPKPTSTPK	95	GC_HHV11	GC	P10228	Glycoprotein C	ETD	T12(HexNAc); T16(HexNAc)	T87; T91	3.95
76	TTPTEPASPTTPKPTSTPK	95	GC_HHV11	GC	P10228	Glycoprotein C	ETD	T16(HexNAc); T18(HexNAc)	T93	2.83
76	TTPTEPASPTTPKPTSTPK	95	GC_HHV11	GC	P10228	Glycoprotein C	ETD	T4(HexNAc); T11(HexNAc); T12(HexNAc)	T79	3.77
76	TTPTEPASPTTPKPTSTPK	95	GC_HHV11	GC	P10228	Glycoprotein C	ETD	T4(HexNAc); T11(HexNAc); T12(HexNAc); T16(HexNAc)	T86; T87; T91	3.19
76	TTPTEPASPTTPKPTSTPK	95	GC_HHV11	GC	P10228	Glycoprotein C	ETD	T4(HexNAc); T11(HexNAc); T12(HexNAc); T16(HexNAc); T18(HexNAc)	T86; T87; T91; T93	3.82
76	TTPTEPASPTTPKPTSTPK	95	GC_HHV11	GC	P10228	Glycoprotein C	HCD	1x HexNAc		3.57
76	TTPTEPASPTTPKPTSTPK	95	GC_HHV11	GC	P10228	Glycoprotein C	HCD	2x HexNAc		3.32
76	TTPTEPASPTTPKPTSTPK	95	GC_HHV11	GC	P10228	Glycoprotein C	HCD	3x HexNAc		2.21
76	TTPTEPASPTTPKPTSTPK	95	GC_HHV11	GC	P10228	Glycoprotein C	HCD	4x HexNAc		2.10
78	PTEPASPTTPKPTSTPK	95	GC_HHV11	GC	P10228	Glycoprotein C	ETD	T9(HexNAc); T10(HexNAc); T14(HexNAc)	T86; T87; T91	3.44
96	SPPTSTPD	103	GC_HHV11	GC	P10228	Glycoprotein C	HCD	2x HexNAc		2.50
96	SPPTSTPDPK	105	GC_HHV11	GC	P10228	Glycoprotein C	HCD	1x HexNAc		2.58
96	SPPTSTPDPKPK	107	GC_HHV11	GC	P10228	Glycoprotein C	ETD	T4(HexNAc); T6(HexNAc)	T99; T101	2.81
96	SPPTSTPDPKPK	107	GC_HHV11	GC	P10228	Glycoprotein C	HCD	1x HexNAc		4.40
96	SPPTSTPDPKPK	107	GC_HHV11	GC	P10228	Glycoprotein C	HCD	2x HexNAc		3.37
96	SPPTSTPDPKPKN	108	GC_HHV11	GC	P10228	Glycoprotein C	ETD	T4(HexNAc)		3.74
96	SPPTSTPDPKPKN	108	GC_HHV11	GC	P10228	Glycoprotein C	HCD	1x HexNAc		5.45
284	ATCTAAAYPR	294	GC_HHV11	GC	P10228	Glycoprotein C	HCD	1x HexNAc		3.34
284	ATCTAAAYPR	294	GC_HHV11	GC	P10228	Glycoprotein C	HCD	1x Hex1HexNAc1		2.90
411	SAVTAQESCDHPGLATVR	428	GC_HHV11	GC	P10228	Glycoprotein C	ETD	T4(HexNAc)	T414	5.83
411	SAVTAQESCDHPGLATVR	428	GC_HHV11	GC	P10228	Glycoprotein C	ETD	T16(HexNAc)	T426	4.02
411	SAVTAQESCDHPGLATVR	428	GC_HHV11	GC	P10228	Glycoprotein C	HCD	1x HexNAc		7.29

411	SAVTAQESCDHPGLATVR	428	GC_HHV11	GC	P10228	Glycoprotein C	HCD	2x HexNAc		3.26
26	KYALVDASLK	35	GD_HHV11	gD	Q69091	Envelope glycoprotein D	ETD	S8(HexNAc)	S33	3.34
26	KYALVDASLK	35	GD_HHV11	gD	Q69091	Envelope glycoprotein D	ETD	S8(Hex1HexNAc1)	S33	3.06
26	KYALVDASLK	35	GD_HHV11	gD	Q69091	Envelope glycoprotein D	HCD	1x HexNAc		3.86
26	KYALVDASLK	35	GD_HHV11	gD	Q69091	Envelope glycoprotein D	HCD	1x Hex1HexNAc1		3.26
27	YALVDASLK	35	GD_HHV11	gD	Q69091	Envelope glycoprotein D	ETD	S7(HexNAc)	S33	2.01
27	YALVDASLK	35	GD_HHV11	gD	Q69091	Envelope glycoprotein D	HCD	1x HexNAc		2.76
93	SVLLNAPSEAPQIVR	107	GD_HHV11	gD	Q69091	Envelope glycoprotein D	ETD	S8(HexNAc)	S100	3.05
93	SVLLNAPSEAPQIVR	107	GD_HHV11	gD	Q69091	Envelope glycoprotein D	ETD	S8(Hex1HexNAc1)	S100	3.06
93	SVLLNAPSEAPQIVR	107	GD_HHV11	gD	Q69091	Envelope glycoprotein D	HCD	1x HexNAc		4.39
93	SVLLNAPSEAPQIVR	107	GD_HHV11	gD	Q69091	Envelope glycoprotein D	HCD	1x Hex1HexNAc1		4.76
93	SVLLNAPSEAPQIVR	107	GD_HHV11	gD	Q69091	Envelope glycoprotein D	HCD	2x Hex1HexNAc1	S93; S100	4.37
96	LNAPSEAPQIVR	107	GD_HHV11	gD	Q69091	Envelope glycoprotein D	ETD	S5(HexNAc)	S100	2.47
96	LNAPSEAPQIVR	107	GD_HHV11	gD	Q69091	Envelope glycoprotein D	HCD	1x HexNAc	S100	2.77
98	APSEAPQIVR	107	GD_HHV11	gD	Q69091	Envelope glycoprotein D	HCD	1x HexNAc	S100	2.63
248	FIPENQRTVAVYS	260	GD_HHV11	gD	Q69091	Envelope glycoprotein D	ETD	T8(Hex1HexNAc1)	T255	3.46
248	FIPENQRTVAVYSLK	262	GD_HHV11	gD	Q69091	Envelope glycoprotein D	ETD	T8(Hex1HexNAc1)	T255	5.15
248	FIPENQRTVAVYSLK	262	GD_HHV11	gD	Q69091	Envelope glycoprotein D	HCD	1x Hex1HexNAc1		3.00
248	FIPENQRTVAVYSLK	262	GD_HHV11	gD	Q69091	Envelope glycoprotein D	ETD	T8(HexNAc); S13(Hex1HexNAc1)	T255	2.99
255	TVAVYSLK	262	GD_HHV11	gD	Q69091	Envelope glycoprotein D	ETD	T1(HexNAc)	T255	1.97
255	TVAVYSLK	262	GD_HHV11	gD	Q69091	Envelope glycoprotein D	HCD	1x HexNAc		3.03
255	TVAVYSLK	262	GD_HHV11	gD	Q69091	Envelope glycoprotein D	HCD	1x Hex1HexNAc1		2.08
255	TVAVYSLK	262	GD_HHV11	gD	Q69091	Envelope glycoprotein D	HCD	2x HexNAc		2.80
255	TVAVYSLK	262	GD_HHV11	gD	Q69091	Envelope glycoprotein D	HCD	2x Hex1HexNAc1		2.33
29	RVSVGEDVSLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T17(HexNAc)	T45	6.16
29	RVSVGEDVSLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	S9(HexNAc); T17(HexNAc)	S37; T45	4.87
29	RVSVGEDVSLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	S3(HexNAc); S9(HexNAc); T17(HexNAc)	S31; S37; T45	2.80
29	RVSVGEDVSLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	S9(HexNAc); T17(Hex1HexNAc1)	S37; T45	3.54
29	RVSVGEDVSLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T17(Hex1HexNAc1)	T45	4.17
29	RVSVGEDVSLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x HexNAc		3.27
29	RVSVGEDVSLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x Hex1HexNAc1		3.19
29	RVSVGEDVSLPAPGPTGRGPTQK	52	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T17(HexNAc); T22(HexNAc)	T45; T50	4.52
29	RVSVGEDVSLPAPGPTGRGPTQK	52	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T17(Hex1HexNAc1)	T45	6.21
29	RVSVGEDVSLPAPGPTGRGPTQK	52	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	S9(Hex1HexNAc1); T17(Hex1HexNAc1)	S37; T45	5.66
29	RVSVGEDVSLPAPGPTGRGPTQK	52	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x Hex1HexNAc1		3.70
29	RVSVGEDVSLPAPGPTGRGPTQK	52	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	2x Hex1HexNAc1		4.11
30	VSVGEDVSLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T16(HexNAc)	T45	5.43
30	VSVGEDVSLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	S8(HexNAc); T16(HexNAc)	S37; T45	6.56

30	VSVGEDVSLLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T16(Hex1HexNAc1)	T45	3.86
30	VSVGEDVSLLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x HexNAc		4.21
30	VSVGEDVSLLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	2x HexNAc		3.96
30	VSVGEDVSLLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	3x HexNAc	S31; S37; T45	3.44
30	VSVGEDVSLLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x Hex1HexNAc1		3.74
30	VSVGEDVSLLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	2x Hex1HexNAc1		2.85
30	VSVGEDVSLLPAPGPTGRGPTQK	52	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T16(Hex1HexNAc1); T21(Hex1HexNAc1)	T45; T50	4.40
30	VSVGEDVSLLPAPGPTGRGPTQK	52	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	3x HexNAc		3.69
30	VSVGEDVSLLPAPGPTGRGPTQK	52	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	2x Hex1HexNAc1		3.51
31	SVGEDVSLLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x HexNAc		3.81
31	SVGEDVSLLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x Hex1HexNAc1		3.00
32	VGEDVSLLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T14(HexNAc)	T45	3.24
32	VGEDVSLLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x HexNAc		2.96
35	DVSLLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T11(HexNAc)	T45	2.49
36	VSLLPAPGPTGR	47	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T10(HexNAc)	T45	2.27
61	DGCGPLHPSWVSLMPPK	77	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x Hex1HexNAc1		4.33
91	APVPLAMAYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T17(HexNAc)	T107	4.44
91	APVPLAMAYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	S15(HexNAc); T17(HexNAc)	S105; T107	4.49
91	APVPLAMAYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T17(Hex1HexNAc1)	T107	3.75
91	APVPLAMAYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x HexNAc		5.96
91	APVPLAMAYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	2x HexNAc		4.80
91	APVPLAMAYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x HexNAc; 1x Hex1HexNAc1		3.77
91	APVPLAMAYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x Hex1HexNAc1		5.45
91	APVPLAMAYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	2x Hex1HexNAc1		4.50
91	APVPLAMAYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	3x Hex1HexNAc1	Y99; S105; T107	3.23
96	AMAYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T12(HexNAc)	T107	2.98
96	AMAYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	S10(HexNAc); T12(HexNAc)	S105; T107	3.11
96	AMAYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	S10(Hex1HexNAc1)	S105	4.18
96	AMAYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T12(Hex1HexNAc1)	T107	3.67
96	AMAYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x HexNAc		3.23
96	AMAYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	2x HexNAc		2.44
96	AMAYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x Hex1HexNAc1		4.12
98	AYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T10(HexNAc)	T107	2.70
98	AYAPPAPSATGGLR	111	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	Y2(HexNAc); T10(HexNAc)	Y99; T107	2.30
112	TDFVWQER	119	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x HexNAc	T112	2.62
134	ETDSGLYTLVSGDIKDPAR	152	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	2x Hex1HexNAc1		4.33
135	TDSGLYTLVSGDIKDPAR	152	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T7(HexNAc)	T141	4.25
135	TDSGLYTLVSGDIKDPAR	152	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x HexNAc		7.05

187	ESLAGTPASGTPR	199	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T6(HexNAc)	T192	2.74
187	ESLAGTPASGTPR	199	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x HexNAc		3.14
188	SLAGTPASGTPR	199	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	T5(HexNAc)	T192	2.20
200	LPPPPAPPRSWPSAPEVSHVR	220	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	S10(Hex1HexNAc1)	S209	3.26
209	SWPSAPEVSHVR	220	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	S4(HexNAc)	S212	3.34
209	SWPSAPEVSHVR	220	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	S4(HexNAc); S9(HexNAc)	S212; S217	3.37
209	SWPSAPEVSHVR	220	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	S4(Hex1HexNAc1)	S212	3.12
209	SWPSAPEVSHVR	220	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	S9(Hex1HexNAc1)	S217	3.36
209	SWPSAPEVSHVR	220	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x HexNAc		3.23
209	SWPSAPEVSHVR	220	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x Hex1HexNAc1		2.66
209	SWPSAPEVSHVRG	221	GE_HHV11	gE	P04488	Envelope glycoprotein E	ETD	S1(HexNAc)	S209	3.08
209	SWPSAPEVSHVRG	221	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x HexNAc		2.42
210	WPSAPEVSHVR	220	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x Hex1HexNAc1		4.12
394	GADLAEPTHPH	404	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x HexNAc	T401	4.04
394	GADLAEPTHPHVG	406	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x HexNAc	T401	4.79
394	GADLAEPTHPHVG	406	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x Hex1HexNAc1	T401	4.86
394	GADLAEPTHPHVGAPPHPPT HGALR	419	GE_HHV11	gE	P04488	Envelope glycoprotein E	HCD	1x Hex1HexNAc1		6.16
101	DTLPQSPGPAFLAEDVEK	119	GG_HHV11	gG	P06484	Envelope glycoprotein G	HCD	1x Hex1HexNAc1		5.52
101	DTLPQSPGPAFLAEDVEK	119	GG_HHV11	gG	P06484	Envelope glycoprotein G	HCD	2x Hex1HexNAc1	T102; S106	3.22
101	DTLPQSPGPAFLAEDVEKDKP NRPVVPSPD	131	GG_HHV11	gG	P06484	Envelope glycoprotein G	HCD	1x Hex1HexNAc1		4.81
120	DKPNRPVVPSDPNN	134	GG_HHV11	gG	P06484	Envelope glycoprotein G	HCD	1x Hex1HexNAc1	S129	4.46
132	PNNSPARPETSRPK	145	GG_HHV11	gG	P06484	Envelope glycoprotein G	ETD	T10(Hex1HexNAc1)	T141	5.31
132	PNNSPARPETSRPK	145	GG_HHV11	gG	P06484	Envelope glycoprotein G	ETD	T10(Hex1HexNAc1); S11(Hex1HexNAc1)	T141; S142	4.87
146	TPPTIIGPL	154	GG_HHV11	gG	P06484	Envelope glycoprotein G	HCD	1x HexNAc		2.64
146	TPPTIIGPL	154	GG_HHV11	gG	P06484	Envelope glycoprotein G	HCD	2x HexNAc	T146; T149	2.45
146	TPPTIIGPLATR	157	GG_HHV11	gG	P06484	Envelope glycoprotein G	HCD	1x HexNAc		2.54
146	TPPTIIGPLATR	157	GG_HHV11	gG	P06484	Envelope glycoprotein G	HCD	2x HexNAc		3.82
146	TPPTIIGPLATRPTR	161	GG_HHV11	gG	P06484	Envelope glycoprotein G	ETD	T4(Hex1HexNAc1); T11(Hex1HexNAc1)	T156	2.93
112	TYLLGRPPNASLPAPTTVEPTA QPPPSVAPLK	143	GH_HHV11	gH	P06477	Envelope glycoprotein H	HCD	3x Hex1HexNAc1		4.83
177	GDNVATASHPSGPR	190	GH_HHV11	gH	P06477	Envelope glycoprotein H	HCD	1x Hex1HexNAc1		3.79
88	VHVVTVTACPR	99	GI_HHV11	gI	P06487	Envelope glycoprotein I	ETD	T6(HexNAc)	T93	3.74
88	VHVVTVTACPR	99	GI_HHV11	gI	P06487	Envelope glycoprotein I	ETD	T8(HexNAc)	T95	4.07
88	VHVVTVTACPR	99	GI_HHV11	gI	P06487	Envelope glycoprotein I	ETD	T6(HexNAc); T8(HexNAc)	T93; T95	3.06
88	VHVVTVTACPR	99	GI_HHV11	gI	P06487	Envelope glycoprotein I	HCD	1x HexNAc		3.57
88	VHVVTVTACPR	99	GI_HHV11	gI	P06487	Envelope glycoprotein I	HCD	2x HexNAc	T93; T95	3.14
110	ATDSTHSPAYPTLE	123	GI_HHV11	gI	P06487	Envelope glycoprotein I	ETD	T5(HexNAc)	T114	2.39
110	ATDSTHSPAYPTLE	123	GI_HHV11	gI	P06487	Envelope glycoprotein I	HCD	1x HexNAc		3.18
137	ATRDYAGVYVLR	148	GI_HHV11	gI	P06487	Envelope glycoprotein I	ETD	T2(Hex1HexNAc1)	T138	3.74

176	TPVLPPDDEAGLQPKPLTTPPPI IATSD	203	GL_HHV11	gL	P10185	Envelope glycoprotein L	HCD	3x HexNAc		3.90
176	TPVLPPDDEAGLQPKPLTTPPPI IATSD	203	GL_HHV11	gL	P10185	Envelope glycoprotein L	HCD	4x HexNAc		3.75
176	TPVLPPDDEAGLQPKPLTTPPPI IATSD	203	GL_HHV11	gL	P10185	Envelope glycoprotein L	HCD	2x Hex1HexNAc1		3.67
185	AGLQPKPL TT PPPIATSDPTPR	207	GL_HHV11	gL	P10185	Envelope glycoprotein L	ETD	T9(HexNAc); T10(HexNAc); T17(HexNAc); S18(HexNAc)	T193; T194; T201; S202	4.46
185	AGLQPKPLTTPPPIATSDPTPR	207	GL_HHV11	gL	P10185	Envelope glycoprotein L	HCD	2x HexNAc		3.79
185	AGLQPKPLTTPPPIATSDPTPR	207	GL_HHV11	gL	P10185	Envelope glycoprotein L	ETD	T9(Hex1HexNAc1); S18(Hex1HexNAc1)	S202	3.18
185	AGLQPKPLTTPPPIATSDPTPR	207	GL_HHV11	gL	P10185	Envelope glycoprotein L	HCD	2x Hex1HexNAc1		4.33
191	PLTTPPPIATSDPTPR	207	GL_HHV11	gL	P10185	Envelope glycoprotein L	ETD	T4(HexNAc)	T194	3.97
191	PLTTPPPIATSDPTPR	207	GL_HHV11	gL	P10185	Envelope glycoprotein L	ETD	T4(HexNAc); T11(HexNAc)	T201	3.37
191	PL TT PPPIATSDPTPR	207	GL_HHV11	gL	P10185	Envelope glycoprotein L	ETD	T3(HexNAc); T4(HexNAc); S12(HexNAc)	T193; T194; S202	3.08
191	PLTTPPPIATSDPTPR	207	GL_HHV11	gL	P10185	Envelope glycoprotein L	ETD	T3(Hex1HexNAc1); S12(Hex1HexNAc1)	S202	3.26
191	PLTTPPPIATSDPTPR	207	GL_HHV11	gL	P10185	Envelope glycoprotein L	HCD	1x HexNAc		6.87
191	PLTTPPPIATSDPTPR	207	GL_HHV11	gL	P10185	Envelope glycoprotein L	HCD	2x HexNAc		4.37
191	PLTTPPPIATSDPTPR	207	GL_HHV11	gL	P10185	Envelope glycoprotein L	HCD	3x HexNAc		3.07
193	TTTPPPIATSDPTPR	207	GL_HHV11	gL	P10185	Envelope glycoprotein L	ETD	T1(HexNAc); S10(HexNAc)	S202	3.55