Table 1: HIV HLA-A1 Epitopes

Location	Epitope	Reference
Anchor residues: 2 (TSM), 3 (DE), 4 (P), C term (Y)		[Kast94, DiBrino94a]
HLA-A1 Anchor/auxiliary residues: 2 (TS), 3(**DE**), 4 (P), 7 (L), 9 (**Y**)		[Rammensee95]
p17(71-79 LAI)	G**SE**ELRSL**Y**	[Brander96, Birk98]
Rev(55-63 LAI)	I**SE**RILST**Y**	[vanBaalen97]
Nef(66-80 BRU)	VGFPVTPQVPLRPMT	[Hadida92]
Nef(93-106 BRU)	EKGGLEGLIHSQRR	[Hadida92]
Nef(113-128 BRU)	WIYHTQGYF**P**DWQN**Y**T	[Hadida92]
Nef(132-147 BRU)	GVRYPLTFGWCYKLVP	[Hadida92]
Nef(182-198 BRU)	EWRFDSRLAFHHVAREL	[Hadida92, Hadida95]
Nef(192-206 BRU)	HHVARELHPEYFKNC	[Hadida92]

Table 2: HIV HLA-A2.1 Epitopes

Location	Epitope	Reference
RT(640-648 HXB2R)	ALQDSGLEV	[Brander96b, Brander95b]
gp120(199-207)	TLTSCNTSV	[Brander96b]
gp160(318-327 IIIB)	RGPGRAFVTI	[Alexander-Miller96]

Table 3: **HIV HLA-A2 Epitopes**

Location	Epitope	Reference
Anchor residues: 2 (LI), C term (VL)		[Falk91, McMichael94]
HLA-A*0201 Anchor/auxiliary residues: 2 (**L**M), 6 (V), 9 (**V**,L)		[Rammensee95]
HLA-A*0202 Anchor/auxiliary residues: 2 (**L**A), 9 (**L**,V)		[Rammensee97]
HLA-A*0203 Anchor/auxiliary residues: 2 (**L**), 9 (**L**)		[Rammensee97]
HLA-A*0205 Anchor/auxiliary residues: 2 (VLIM), 6 (IVLA), 9 (**L**)		[Rammensee95]
p17(69-93)	QTGSEELRS**L**YNTVAT**L**YCVHQRIE	[Johnson91]
p17(77-85 LAI)	S**L**YNTVAT*L*	[Parker92, Parker94, Tsomides94, McMichael94, Yang96, RowlandJones98, Yang97, Sipsas97, Cao97, Walter97, Stuhler97, Sewell97, Birk98, Callan98, Wagner98b, Collins98, Durali98, Kundu98, vanderBurg96, Goulder97, Wilson98, McAdam98, Goulder97e]
p17(88-115 ARV)	VHQRIEIKDTKEALDKIEEEQNKSKKKA	[Achour90]
p24(151-159)	T**L**NAWVKV*V*	[Parker92, Parker94]
p24(193-203 BRU)	GHQA**A**MQM**L**KE	[Claverie88]
p24(219-233 BRU)	HAGPIAPGQMREPRG	[Claverie88]
p24(263-279)	KRWI**I**LGLNKI**V**RMYC	[Chen90]
p15(418-433 BRU)	GNFLQSRPEPTAPPF	[Claverie88, Kast94]
p15(446-460 BRU)	KEGHQMKDCTERQANF	[Claverie88]
RT(33-41)	A**L**VICTEM	[vanderBurg95, vanderBurg96]
Pr(75-84 MN)	V**L**VGPTPVNI	[Konya97]
RT(158-167)	SPIETVPVKL	[vanderBurg97]
RT(209-220)	L**L**RWGLTTPDKK	[Haas98]
RT(267-277)	V**L**DVGDAYFSV	[Kundu98, vanderBurg95, vanderBurg96]
RT(334-342)	V**I**YQYMMD**L**	[RowlandJones98] [Hanke98b, Hanke98c, Harrer96, Haas98]

Table 3: **HIV HLA-A2 Epitopes (cont.)**

Location	Epitope	Reference
RT(334-342)	IYQYMDDLY**V**	[vanderBurg97]
RT(421-429)	P**L**VKLWYQ**L**	[Haas98]
RT(463-472)	EI**L**KEPVGH**V**	[vanderBurg97]
RT(464-472)	I**L**KEPVHG**V**	[Hanke98b, Hanke98c, Wilson98, vanderBurg95, Pogue95, Ogg98, vanderBurg96, Goulder97, Walter97, Goulder97e, Konya97, Altman96, Walter97]
RT(464-472)	I**L**KEPVHG**V**	[Tsomides91, Tsomides94, Parker92, Connan94, Moss95, Yang96, Cao97, Yang97, Musey97, Ogg98, Fan97, Kundu98, RowlandJones98]
RT(516-525)	E**L**VNQIIEQ**L**	[Haas98]
RT(640-648 HXB2R)	A**L**QDSGLE**V**	[Brander95]
RT(956-964 HXB2R)	L**L**WKGEGA**V**	[Parker92, Parker94, Brander95, Kundu98, vanderBurg96]
gp120(25-46 BRU)	LWVTVYYGVP**V**WKE**A**TTT**L**FCA	[Dadaglio91]
gp120(32-41 LAI)	K**L**WVTVYYG**V**	[Dupuis95]
gp120(112-124 IIIB)	HEDI**I**SLWDQS**L**K	[Clerici91]
gp120(120-128 LAI)	K**L**TPLCVT**L**	[Dupuis95, Kundu98, Kmieciak98]
gp120(193-212 BRU)	TTSYT**L**TSCNTS**V**ITQACPK	[Dadaglio91]
gp120(192-199 HXB2R)	K**L**TSCNTS**V**	[Brander95]
gp120(197-205 HXB2R)	T**L**TSCNTS**V**	[Garboczi92, Brander96b]
gp120(295-312 BRU)	SVEINCTRPNNNTRKSI	[Dadaglio91]
gp120(315-329 IIIB)	RIQRGPGRAFVTIGK	[Dadaglio91, Clerici91, Achour93]
gp160(318-327 IIIB)	RGPGRAFVTI	[Achour96]
gp160(318-327 SIMI	MGPKRAFYAT	[Achour96]
gp120(377-387)	NSGGEFFYSNS	[Hickling90]
gp120(381-392 BRU)	KNCGGEFFYCNS	[Dadaglio91]
gp120(428-443 IIIB)	KQIINMWQEVGKAMY	[Cease87, Clerici91]

Table 3: **HIV HLA-A2 Epitopes (cont.)**

Location	Epitope	Reference
gp120(422-440 LAI)	KQFINMWQEVGKAMY	[Dadaglio91]
gp120(494-513 BRU)	VKIEPLGVAPTKAKRRVVQR	[Dadaglio91]
gp41(747-755)	R**L**VNGSLA**L**	[Parker92]
gp41(814-823 LAI)	S**L**LNATDIA**V**	[Dupuis95, Kundu98]
gp41(815-823 LAI)	**L**LNATDIA**V**	[Dupuis95]
gp41(815-823)	L**L**NATAIA**V**	[Kmieciak98]
gp41(834-848 IIIB)	DRVIEVVQGAYRAIR	[Clerici91]
gp41(829-837 LAI)	R**V**IEV**L**QRA	[Dupuis95]
Nef(73-82 LAI)	QVPLRPMTYK	[Robertson93]
Nef(86-100 LAI)	DLSHFLKEKGG**L**EG**L**	[Robertson93]
Nef(136-145 LAI)	P**L**TFGWCYK**L**	[Haas96, Durali98]
Nef(180-189 LAI)	V**L**EWRFDSR**L**	[Haas96, Haas97]
Nef(190-198 LAI)	AFHHVARE**L**	[Hadida95, RowlandJones98]

Table 4: **HIV HLA-A3.1 Epitopes**

Location	Epitope	Reference
Anchor residues: 2 (IL), 3 (F), C term (KY)		[DiBrino93, McMichael94]
p17(18-26 LAI)	K**I**RLRPGG**K**	[Harrer96b]
p17(20-29)	R**L**RPGGKKK**Y**	[Brander95a]
RT(325-333)	A**IF**QSSMT**K**	[Brander95a]
gp120(37-46 LAI)	TVYYGVPVW**K**	[Johnson94c, Johnson94, Hammond95]
gp41(768-778 NL43)	R**L**RDLLLIVTR	[Takahashi91]
Nef(73-82 NL432)	QVPLRPMTY**K**	[Koenig90]
Nef(84-92 LAI)	D**L**SHFLKE**K**	[McMichael94]

Table 5: **HIV HLA-A3 Epitopes**

Location	Epitope	Reference
HLA-A3 Anchor/auxiliary residues: 2 (**LVM**), 3 (FY), 6 (IMFVLT), 7 (ILMF), 9 (**KYF**), 10 (K)		[Rammensee95]
p17(18-26 LAI)	KIRLRPGG**K**	[Harrer96b, Goulder97, Goulder97e]
p17(20-28)	R**L**RPGGKK**K**	[Goulder97, Goulder97e, Goulder97b, Cao97]
p17(18-31)	KIR**L**RPGGKK**K**YKL	[Birk98, Jassoy92, Jassoy93]
RT(33-43)	AL**V**ICTEME**K**	[Haas98]
RT(192-201)	D**L**EIGQHRT**K**	[Haas98]
RT(325-333 IIIB)	AI**F**QSS**M**T**K**	[Threlkeld97, Brander96, Cao97]
gp120(37-46 LAI)	T**VY**YGVPVW**K**	[Goulder97, Goulder97]
gp41(768-778 NL43)	RLRDLLLIVTR	[Cao97]
gp120(315-329 IIIB)	RIQRGPGRAFV**TI**G**K**	[Achour93]
Nef(73-82 BRU)	QVPLRP**M**TY**K**	[Culmann91, Goulder97, Lubaki97, Durali98]
Nef(74-82 BRU)	VPLRP**M**TY**K**	[Carreno92]
Nef(190-198 LAI)	AFHHVARE**K**	[Hadida95]

Table 6: HIV HLA-A11 Epitopes

Location	Epitope	Reference
Anchor residues: 2 (IL), C term (K)		[Zhang93, McMichael94]
HLA-A*1101 Anchor/auxiliary residues: 2 (VIFY), 3 (MLFYIA), 7 (LIYVF), 9 (**K**), 10 (**K**), 11(K)		[Rammensee95]
p17(84-92)	T**L**YCVHQRI	[Brander95a, Birk98]
p24(349-359 IIIB)	ACQGVGGPGH**K**	[Sipsas97]
RT(325-333 LAI)	A**I**FQSSMT**K**	[Zhang93, Johnson94b, McMichael94, Brander95a, Jassoy93, Price95, Threlkeld97, Brander96, Wagner98b]
RT(342-366 LAI)	NPDIVIYQYMDDLYVGSDLEIGQHR	[Walker89]
RT(507-519 LAI)	Q**I**YQEPFKNL**K**TG	[Johnson94b, Walker89]
gp120(315-329 IIIB)	RIQRGPGR**A**FVT**I**G**K**	[Achour94]
Nef(73-82 LAI)	QVP**L**RPMTY**K**	[Culmann91, Couillin94, Couillin95, Goulder97e]
Nef(74-82 LAI)	VP**L**RPMTY**K**	[Zhang93]
Nef(75-82 LAI)	P**L**RPMTY**K**	[McMichael94]
Nef(84-92 LAI)	A**V**DLSH**F**L**K**	[McMichael94, Couillin94, Couillin95, Goulder97e]
Nef(83-94 BRU)	AAVD**L**SHFLKE**K**	[Culmann91]

Table 7: HIV HLA-A19 Epitopes

Location	Epitope	Reference
RT(71-79 LAI)	ITLWQRPLV	[Dong98]

Table 8: HIV HLA-A24 Epitopes

Location	Epitope	Reference
Anchor/auxiliary residues:	2 (**Y**), 5 (IV), 6 (F), 9 (**ILF**)	[Rammensee95]
p17(28-36 LAI)	K**Y**KLKHIVW	[Brander96], D. Lewinsohn pers comm
gp120(53-62 LAI)	LFCASCAKAY	[Brander95a, Shankar96]
gp41(584-591 NL43)	**Y**LKDQQL**L**	[Dai92]
Nef(120-144 SF2)	YFPDWQNYTPGPG**I**RYP**L**TFGWCYK	[Jassoy92]

Table 9: HIV HLA-A25 Epitopes

Location	Epitope	Reference
p24(203-212)	ETINEEAAEW	[vanBaalen96, Klenerman96]
Nef(182-198 LAI)	EWRFDSRLAFHHVAREL	[Cheynier92, Hadida95]

Table 10: HIV HLA-A26 Epitopes

Location	Epitope	Reference
p24(167-175 LAI)	EVIPMFSAL	[Goulder96b]
p24(293-312 SF2)	RDYVDRFYKTL	[Ogg98b]
p24(298-306)	YVDRFFKTL	[Dorrell98]
RT(593-603 IIIB)	ETFYVDGAANR	B. Walker, pers comm

Table 11: **HIV HLA-A28 or A*6802 Epitopes**

Location	Epitope	Reference
p17(127-135 Clade D)	QVSQNYPIV	[Dong98]
RT(71-79 LAI)	ITLWQRPLV	[Dong98], S. Rowland-Jones pers comm
RT(85-93 Clade D)	DTVLEEMNL	[Dong98], S. Rowland-Jones pers comm
RT(518-526 U455)	DVKQLTEVV	[Dong98], S. Rowland-Jones pers comm
RT(589-602)	IVGAETFYVDGAAS	[vanderBurg97];
RT(592-602 LAI)	AETFYVDGAAN	[Brander96], P. Johnson pers comm
RT(823-831)	ETAYFILKL	S. Rowland-Jones pers comm

Table 12: **HIV HLA-A29 Epitopes**

Location	Epitope	Reference
Anchor residues: 2 (**E**), 3 (F), 9 (**Y**)		[Boisgerault96]
gp120(376-384 IIIB)	FNCGGEFF**Y**	[Wilson97, Brander96]

Table 13: **HIV HLA-A30 Epitopes**

Location	Epitope	Reference
gp41(852-863 HXB2)	RRIRQGLERILL	[Lieberman92]

Table 14: HIV HLA-A31 Epitopes

Location	Epitope	Reference
HLA-A*3101 Anchor/auxiliary residues: 2 (LVYF), 3 (FLYW), 6 (LFVI), 9 (**R**)		[Rammensee95]
gp41(606-614 LAI)	SYHRLRD**L**LL**I**VT**R**	[Hammond95]
gp41(770-780 BH10)	R**L**RDL**L**LIVT**R**	[Safrit94a, Safrit94b]

Table 15: HIV HLA-A32 Epitopes

Location	Epitope	Reference
RT(559-568 LAI)	PIQKETWETW	[Harrer96b]
gp120(424-432 HXB2)	RIKQIINMW	[Harrer96b, Ray98]
gp41(701-720 BH10)	VLSIVNRVRQGYSPLSFQTH	[Safrit94a]

Table 16: HIV HLA-A33 Epitopes

Location	Epitope	Reference
HLA-A*3302 Anchor/auxiliary residues: 2 (AILFYV), 9 (**R**)		[Rammensee95]
p17(121-132 HXB2R)	DTGHSNQVSQNY	[Buseyne93]
p24(263-277 LAI)	KRWII**L**GLNKIVM**R**Y	[Buseyne93]
RT(325-333 LAI)	A**I**FQSSMTK	K. Ariyoshi, unpublished

Table 17: HIV HLA-B7 Epitopes

Location	Epitope	Reference
Anchor residues: 1 (A), 2 (P), 3 (R), and C term (LV)		[Englehard93, McMichael94]
Anchor/auxiliary positions: 2 (**P**), 3 (R), 9 (**LF**)		[Rammensee95]
p24(148-156)	S**PR**TLNAW	[Brander97]
p24(180-187 IIIB)	T**P**QDLNTM	B. Walker, per comm
p24(343-362 SF2)	LEEMMTACQGVGGPGHKARV	[McAdam98]
p24(355-363 LAI)	G**P**GHKARV**L**	[Goulder97, Goulder97e]
RT(308-320)	WKGSPAIFQSSMT	Brander95a
RT(311-319 SF2)	S**P**AIFQSSMT	[Brander97]
RT(532-540)	YLAWVPAHK	Haas98
gp120(256-275 LAI)	R**P**VVSTQL**L**LNGSLAEEEVV	[Shankar96]
gp120(302-312 HXB2)	R**P**NNNTRKSI	[Safrit94b, Hammond95, Wolinsky96]
gp41(848-856 LAI)	I**PR**RIRQG**L**	[Brander95a, Cao97]
gp41(852-863 LAI)	RRI**R**QGLERI**L**L	[Shankar96]
Nef(68-77 LAI)	F**P**VTPQVP**L**R	[Haas96]
Nef(77-85 LAI)	R**P**MTYKAA**L**	[Bauer97]
Nef(102-115 LAI)	HSQR**R**QDILD**L**WIY	[Goulder97, Goulder97e]
Nef(126-138 BRU)	NYT**P**GPGVRYP**L**T	[Culmann91]
Nef(128-137 LAI)	T**P**GPGVRYP**L**	[Haas96, RowlandJones98]

Table 18: HIV HLA-B8 Epitopes

Location	Epitope	Reference
Anchor residues: 3 (K), 5 (K), and C terminus (I)		[Sutton93, Hill92, McMichael94]
Anchor/auxiliary residues: 3 (**K**), 5 (**KR**), 9 (**L**)		[Rammensee95]
p17(25-35 SF2)	GG**K**K**K**YK**L**KHIV	[Goulder97e, Birk98]
p17(24-32)	GG**K**K**K**YK**L**K	[Klenerman94, Klenerman95, Nowak95]

Table 18: **HIV HLA-B8 Epitopes (cont.)**

Location	Epitope	Reference
p17(24-32 LAI)	GG**K**K**K**YK**L**	[Sutton93, RowlandJones93, Reid96, Price97, Goulder97c]
p17(74-82 LAI)	EL**R**SLYNTV	[Goulder97c, Birk98]
p17(93-101)	EI**K**DTKEA**L**	[DiBrino94a, Brander97, Birk98]
p24(329-337 LAI)	DC**K**TILKA**L**	[Goulder97c]
p24(253-267)	NPPIPVGEIY**K**RWI**I**	[Gotch90, Nowak95, McAdam95, Phillips91, Johnson91, Goulder97e]
p24(256-270 LAI)	IPVGEIYKRWIILGL	[Buseyne93]
p24(259-267 LAI)	GEIY**K**RWI**I**	[Sutton93, Klenerman94, Nowak95, McAdam95]
p24(259-267 LAI)	EIY**K**RWI**I**	[Goulder97c]
p24(313-322 LAI)	VKNWMTETL**L**	[Brander96], P. Johnson pers comm
p24(323-337)	VQNANPDC**K**TILKA**L**	[Nixon91, Phillips91]
p24(329-337 LAI)	DC**K**TILKA**L**	[Sutton93, Nowak95, McAdam95, Goulder97c, Goulder97e]
RT(160-184 HXB2)	IETVPVKLKPGMDGP**K**V**K**QWP**L**TEE	[Walker89]
RT(185-193 LAI)	GP**K**V**K**QWP**L**	[Nixon91, Phillips91, Sutton93, Meier95, Klenerman95, Goulder97c]
gp41(586-593)	YL**K**DQQL**L**	[Dai92, Johnson92, Sutton93, Goulder97c]
gp41(852-863 HXB2)	RRI**R**QG**L**ERILL	[Lieberman92]
gp120(2-10 IIIB)	RV**K**E**K**YQH**L**	[Sipsas97]
Nef(13-20 LAI)	WPTVRERM	[Brander96, Goulder97c]
Nef(66-80 BRU)	VGFPVTPQVPLRMT	[Hadida92]
Nef(89-97 LAI)	FL**K**E**K**GG**L**	[McMichael94, Price97, Goulder97c, Hadida92]
Nef(93-106 BRU)	E**K**GGLEG**L**IHSQRR	[Hanke98b, Hanke98c, Goulder97c]
Nef(132-147 BRU)	GVRYPLTFGWCYKLVP	[Hadida92]
Nef(182-198 BRU)	EWRFDSRLAFHHVAREL	[Hadida92]

Table 19: HIV HLA-B12 Epitopes

Location	Epitope	Reference
p24(169-184 LAI)	IPMFSALSEGATPQDL	[Buseyne93]

Table 20: HIV HLA-B13 Epitopes

Location	Epitope	Reference
Nef(103-127 PV22)	SQRRQDILDLWIYHTQGYFPDWQNY	[Jassoy93]

Table 21: HIV HLA-B14 Epitopes

Location	Epitope	Reference
Anchor/auxiliary positions: 2 (RK), 3 (LYF), 5 (GH), 6 (IL), 9 (L)		[DiBrino94b]
Anchor/auxiliary positions: 2 (**RK**), 3 (LYF), 5 (**RH**), 6 (IL), 9 (**L**)		[Rammensee97]
p24(173-194 BH10)	SALSEGATPQDLNTMLNTVGGH	[Johnson91]
p24(183-191 LAI)	DLNTMLNTV	[Nixon88b, McMichael94, RowlandJones98]
p24(298-306 LAI)	DRFYKTLRA	[Brander95a, Harrer96b, Yang96, Yang97, Cao97]
p24(305-313)	RAEQASQEV	[Price95, Lubaki97]
p24(140-159)	GQMVHQAISPRTLNAWVKVV	[Musey97]
p24(181-189)	PQDLNTMLN	[Lubaki97]
p24(290-309)	PKEPFRDYVDRFYKTLRAEQAS	[Musey97]
RT(648-672 PV22)	AIYLALQDSGLEVNIVTDSQYALGI	[Kalams94]
gp41(575-599 IIIB)	QLQARILAVE**RY**LKDQQ**L**LGIWGCS	[Jassoy92]
gp41(583-592 PV22)	VE**RY**LKDQQ**L**	[Jassoy93]
gp41(584-592 HXB2)	E**RY**LKDQQ**L**	[Johnson92, Jassoy93, Kalams94, RowlandJones98, DiBrino94b, Hammond95, Kalams96, Yang96, Yang97, Wagner98, Lieberman97, Sipsas97, Cao97]

Table 22: HIV HLA-B17 Epitopes

Location	Epitope	Reference
Anchor residues: 2 (STA), 9 (FW)		[Barber97]
Nef(115-125 BRU)	YH**T**QGYFPQ**W**Q	[Culmann91]
Nef(117-128 BRU)	**T**QGYFPD**W**QNYT	[Culmann91]

Table 23: HIV HLA-B18 Epitopes

Location	Epitope	Reference
Anchor residues: 2 (DE), 9 (Y)		[Ogg98b]
gp120(32-56)	T**E**KLWVTV**Y**YGVPVWKEATTTLFCA	[Johnson94c, Hammond95]
Nef(134-144 LAI)	RYPLTFGWC**Y**K	[Culmann91, Couillin94, Goulder97e]
Nef(135-143)	YPLTFGWC**Y**	[Culmann91, CulmannPenciolelli94]

Table 24: **HIV HLA-B27 Epitopes**

Location	Epitope	Reference
Anchor residues: 2 (R) C term (KR)		[Jardetzky91, McMichael94]
Anchor residues: 2 (R) C term (FYILW)		[Rammensee97]
HLA-B*2702 Anchor/auxiliary positions: 2 (**R**), 9 (**FYILW**)		[Rammensee95]
HLA-B*2705 Anchor/auxiliary positions: 2 (**R**), 9 (**LF**YMIRHK)		[Rammensee95]
p17(18-27 LAI)	KI**R**LRPGGK**K**	[Brander96, Birk98], D. Lewinsohn pers comm
p17(19-27 LAI)	I**R**LRPGGK**K**	[Brander96], D. Lewinsohn pers comm
p24(160-179)	EEKAFSPEVIPMFSALSEGA	[Musey97]
p24(265-280 BRU)	YKRWIILGLNKIVRMYSPT	[Dadaglio91]
p24(260-269 HIV-2)	R**R**WIQLGLQ**K**	[Brander96]
p24(266-277)	K**R**WIILGLN**K**IVRMY	[Nixon88, Bouillot89, Meyerhans91, Nixon90]
p24(265-276)	K**R**WIILGLN**K**IV	[Jardetzky91, Carreno92]
p24(263-272 LAI)	K**R**WIILGLN**K**	[Buseyne93, Klenerman94, McMichael94, Nietfeld95, Goulder97e, RowlandJones97, Moss95, Phillips91, Fan97, Wilson98]
p24(131-139)	KRWIILGLN	[RowlandJones97]
p24(263-272)	K**R**WIIMGN**K**	[Klenerman94, Klenerman94, Nowak95, Goulder97b, Durali98, Goulder97e]
p24(160-179)	EEKAFSPEVIPMFSALSEGA	[Musey97]
p24(265-279C)	KRWIILGLNKIVRMYC	[Bouillot89]
gp120(590-597 LAI)	RYLKDQQL	[Shankar96]
gp120(312-320 LAI)	G**R**AFVTIG**K**	[Jardetzky91]
gp41(788-809 HXB2)	IVELLG**R**RGWEAL**K**YWWNLLQY	[Lieberman92]
gp41(791-799 LAI)	G**R**RGWEAL**K**	[McMichael94], pers comm J. Liebermann
Nef(73-82 LAI)	QVPLRPMTY**K**	[CulmannPerCom]
Nef(105-114 LAI)	R**R**QDILDLW**I**	[Goulder97d]
Nef(134-141 LAI)	**R**YPLTFG**W**	[CulmannPerCom]

Table 25: **HIV HLA-B35 Epitopes**

Location	Epitope	Reference
Anchor residues: 2 (P), C term (Y)		[Hill92, McMichael94]
HLA-B*3501 Anchor/auxiliary residues: 2 (**P**), 9(**YFLMI**), 10 (**Y**)		[Rammensee95]
HLA-B*3503 Anchor/auxiliary residues: 2 (**P**), 9(**ML**)		[Steinle96]
p17(36-44 LAI)	WASRELERF	[Goulder97d, Birk98]
p17(124-132 LAI)	NSSKVSQN**Y**	[McMichael94, RowlandJones95, Birk98]
p24(260-268 LAI)	P**P**IPVGDI**Y**	[McMichael94, RowlandJones95, Lalvani97]
p24(245-253 HIV-2)	N**P**VPVGNI**Y**	[RowlandJones95]
RT(262-270 IIIB)	TVLDVGDA**Y**	[Walkerpercom96]
RT(273-282 IIIB)	V**P**LDEDFRK**Y**	[Shiga96, Sipsas97]
RT(311-319 SF2)	S**P**AIFQSS**M**	[Shiga96]
RT(329-337)	H**P**DIVIYQ**Y**	[RowlandJones95, McMichael94]
RT(328-336 IIIB)	N**P**DIVIYQ**Y**	[Shiga96, Sipsas97, RowlandJones98]
RT(342-350 HIV-2)	N**P**DVILIQ**Y**	[RowlandJones95]
RT(448-456 SF2)	I**P**LTEEAE**L**	[Shiga96]
RT(587-597 SF2)	E**P**IVGAETF**Y**	[Shiga96]
gp120(42-52 PV22)	V**P**VWKEATTTL	[Cao97]
gp120(77-85 SF2)	D**P**NPQEVV**L**	[Shiga96]
gp120(255-263 SF2)	R**P**IVSTQL**L**	[Shiga96]
gp120(844-863 LAI)	YRAIRHI**P**RRIRQG**L**ERILL	[Shankar96]
gp41(605-615 LAI)	TAVPWNASW	[Johnson94c, Johnson94, Hammond95, Ferris96]
Nef(72-80 SF2)	F**P**VRPQVP**L**	[Shiga96]
Nef(73-82 BRU)	QV**P**LRPMT**Y**K	[Culmann91]
Nef(73-82 LAI)	V**P**LRPMT**Y**	[McMichael94, RowlandJones95, Lalvani97, Rowland-Jones98]
Nef(75-85 SF2)	RPQVPLRPMT**Y**	[Shiga96]
Nef(86-100 LAI)	DLSHFLKEKGGLEGL	[Buseyne93]
Nef(139-147 SF2)	Y**P**LTFGWC**F**	[Shiga96]
Nef(182-198 LAI)	EWRFDSRLAFHHVAREL	[Hadida95]
Nef(186-193 LAI)	DSRLAFHH	[Hadida95]

Table 26: HIV HLA-B37 Epitopes

Location	Epitope	Reference
HLA-B*3701 Anchor/auxiliary residues: 2 (**D**E), 5 (VI), 8 (**FML**), 9 (**IL**)		[Rammensee95]
Nef(117-128 BRU)	TQGYFPDWQNYT	[Culmann91]
Nef(120-128 LAI)	YFPDWQNYT	[CulmannPerCom]

Table 27: HIV HLA-B38 Epitopes

Location	Epitope	Reference
Anchor/auxiliary residues: 2 (H), 3 (DE), 9 (**FL**)		[Falk95]
HLA-B*3801 Anchor/auxiliary residues: 2 (H), 3 (DE), 9 (**FL**)		[Rammensee97]
gp120 (53-62 LAI)	LFCASCAKAY	[Shankar96]

Table 28: HIV HLA-B42 Epitopes

Location	Epitope	Reference
p17(20-29 IIIB)	RLRPGGKKKY	[Walkerpercom96]
RT(437-446 IIIB)	IYPGIKVRQL	[Walkerpercom96]

Table 29: HIV HLA-B44 Epitopes

Location	Epitope	Reference
Anchor/auxiliary residues: 2 (**E**), 3 (I), 4 (P), 6 (V), 9 (**Y**)		[Rammensee97]
p24(306-316 LAI)	AEQASQDVKNW	[Brander97]
RT(358-367 LAI)	EELRQHLLRW	[vanderBurg97]
RT(552-561 LAI)	TW**E**TWWTE**Y**W	[vanderBurg97]
gp120(29-39)	AA**E**NLW**V**TVY**Y**	[Borrow97, Goulder97e]

Table 30: HIV HLA-B51 Epitopes

Location	Epitope	Reference
HLA-B5101 Anchor/auxiliary residues: 2 (**APG**) 9 (**FI**)		[Rammensee95]
HLA-B5102 Anchor/auxiliary residues: 2 (**PAG**), 3 (Y), 9 (**IV**)		[Rammensee95]
HLA-B5103 Anchor/auxiliary residues: 2 (**APG**), 3 (Y), 9 (VIF)		[Rammensee95]
HLA-B51 Anchor/auxiliary residues: 2 (P), 3 or 4 (VL), 9 (VLI)		[Connan94]
p24(325-333 IIIB)	NANPDCKTI	[Walkerpercom96]
RT(42-50)	EKEGKISKI	[Haas98]
RT(448-456 SF2)	I**P**LTEEAEL	[Shiga96]
RT(295-302 IIIB)	T**A**FTIPS**I**	[Sipsas97]
RT(587-596 SF2)	E**P**I**V**GAET**F**	[Shiga96]
gp120(77-85 SF2)	D**P**NPQEVVL	[Shiga96]
gp41(557-565 IIIB)	RAIEAQQH**L**	[Sipsas97]
Nef(186-194 BRU)	DSR**L**AFHH**V**	[Connan94]

Table 31: **HIV HLA-B52 Epitopes**

Location	Epitope	Reference
HLA-B*5201 Anchor/auxiliary residues: 2 (Q), 3 (FYI), 5 (LIV), 8 (**IV**), 9 (**IV**)		[Rammensee95]
p24(194-202 LAI)	H**Q**AAMQMLK	[Brander96], P. Goulder, pers comm
p24(273-282 IIIB)	IVRMYSPTS**I**	B. Walker, pers comm
Nef(188-196 LAI)	RLAFHHVAR	[Hadida95]
Nef(190-198 LAI)	AFHHVAREL	[Hadida95]

Table 32: **HIV HLA-B53 Epitopes**

Location	Epitope	Reference
Anchor residues: 2 (P), C term (YFW)		[Hill92, McMichael94]
HLA-B*5301 Anchor/auxiliary residues: 2 (**P**)		[Rammensee97]
p17(173-181 HIV-2)	T**P**YDINQML	[Gotch93]

Table 33: **HIV HLA-B55 Epitopes**

Location	Epitope	Reference
HLA-B*5501 Anchor/auxiliary residues: 2 (**P**)		[Rammensee97]
HLA-B*5502 Anchor/auxiliary residues: 2 (**P**)		[Rammensee97]
p24(215-223 IIIB)	VH**P**VHAGPIA	[Sipsas97]
gp120(42-51 PV22)	V**P**VWKEATTT	[Brander95a]

Table 34: HIV HLA-B57 Epitopes

Location	Epitope	Reference
p24(147-155 PV22)	ISPRTLNAW	[Goulder96]
p24(162-172 LAI)	KAFSPEVIPMF	[Goulder96]
p24(240-249)	TSTLQEQIGW	[Goulder96]
p24(309-317 LAI)	QASQEVKNW	[Goulder96]
Nef(116-125 BRU)	HTQGYFPDWQ	[Culmann91]
Nef(130-143 LAI)	GPGVRYPLTFGWCY	[Goulder96]
Nef(133-148 LAI)	VRYPLTFGWCYKLVPV	[Brander96],P. Goulder per. comm.

Table 35: HIV HLA-B58 Epitopes

Location	Epitope	Reference
Anchor/auxiliary residues: 2(**AST**), 4 (PEK), 5 (VILMF), 9 (**FW**)		[Falk95a]
Anchor/auxiliary residues B*5801: 2(**AST**), 4 (PEK), 5 (VILMF), 9 (**FW**)		[Rammensee97]
p24(105-114)	TS**T**LQEQIG**W**	[Goulder96]
p24(147-155 IIIB)	I**S**PRTLNA**W**	[Goulder96]
p24(181-192)	CTPYDINQMLNC	[BertolettiPerComm98]
p24(241-250)	T**S**TVEEQQ**W**	[BertolettiPerComm98]

Table 36: HIV HLA-B62 Epitopes

Location	Epitope	Reference
Anchor/auxiliary residues: 2(**QL**, 5 (IV), 9 (**FY**)		[Falk95a]
p17(18-31)	KIR**L**RPGGKKK**Y**KL	[Lubaki97]
p17(77-85)	S**L**YNTVATL	[Goulder97e]
p24(271-281)	LG**L**NK**I**VRM**Y**S	[Lubaki97, Goulder97e]

Table 37: HIV HLA-Bw52 Epitopes

Location	Epitope	Reference
p24(193-214 BH10)	GHQAAMQMLKETINEEAAEWDR	[Johnson91]

Table 38: HIV HLA-Bw57 Epitopes

Location	Epitope	Reference
p24(143-164 BH10)	VHQAISPRTLNAWVKVVEEKAF	[Johnson91]
p24(153-174 BH10)	NAWVKVVEEKAFSPEVIPMFSA	[Johnson91]

Table 39: HIV HLA-Bw60 Epitopes

Location	Epitope	Reference
RT(359-383 HXB2)	DLEIGQHRTKIEELRQHLLRWGLTT	[Walker89]

Table 40: HIV HLA-Bw62 Epitopes

Location	Epitope	Reference
p17(18-42 BH10)	KIRLRPGGKKKYKLKHIVWASRELE	[Johnson91]
p17(20-29 LAI)	RLRPGGKKKY	[McMichael94]
p24(263-284 BH10)	KRWIILGLNKIVRMYSPTSILD	[Johnson91]
p24(265-284 SF2)	KRWIILGLNKIVRMYSPTSI	[vanBaalen93]
p24(268-277 LAI)	LGLNKIVRMY	[McMichael94]
RT(415-426 IIIB)	LVGKLNWASQIY	[Brander96], P. Johnson per. comm.
RT(476-485 LAI)	ILKEPVHGVY	[Johnson91, McMichael94]
Nef(118-127 LAI)	QGYFPDWQNY	[McMichael94]

Table 41: HIV HLA-Cw1 Epitopes

Location	Epitope	Reference
p24(168-175 LAI)	VIPMFSAL	[Goulder97f]

Table 42: HIV HLA-Cw3 Epitopes

Location	Epitope	Reference
HLA-Cw*0301 Anchor/auxiliary residues: 3 (VIYLM), 4 (P), 6 (FY), 9 (**L**FMI)		[Rammensee95]
p24(140-152 IIIB)	GQMVHQAISPRT**L**	[Littaua91]

Table 43: HIV HLA-Cw4 Epitopes

Location	Epitope	Reference
Anchor residues: 2 (YPF), C term (FLM)		[Falk94, McMichael94]
HLA-Cw*0401 Anchor/auxiliary residues: 2 (**YPF**), 6 (VIL), 9 (**L**F**F**M)		[Rammensee95]
gp120(376-383 HXB2R)	S**F**NCGGEF**F**	[Johnson93, Wolinsky96, Wilson97]

Table 44: HIV HLA-Cw8 Epitopes

Location	Epitope	Reference
p24(305-313)	RAEQASQEV	[Johnson91, RowlandJones98]
	Note: Originally reported as B14, but not presented by B14 transfected cells	
	Due to the linkage disequilibrium of Cw8 and B14, the restriction element was unclear	
gp120(156-165 IIIB)	NCSFNISTSI	[Sipsas97]
gp120(241-249 LAI)	CTNVSTVQC	[Sipsas97]
RT(663-672 IIIB)	VTDSQYALGI	Cw8 [Brander96, RowlandJones98]
Note: Originally reported here in 1995 as B14, but not presented by B14 transfected cells		