

HIV1 VIF

Protein Alignment Summary Table (Vif)

Name	Accession No.	Region	First Author	Reference
CONSENSUS-A				
U455	M62320	complete genome	Oram, J.D.	ARHR 6 (9), 1073-1078 (1990)
IBNG	L39106	complete genome	Howard, T.M.	ARHR 12(15), 1413-1425 (1996)
IFA86	Z30637	vif	Wieland, U.	Virology 203 (1), 43-51 (1994)
92UG037	U51190	complete genome	Gao, F.	J. Virol. 70 (3), 1651-1657 (1996)
Q23	AF004885	complete genome	Poss, M.,R.A.	Unpublished
CONSENSUS-B				
SF2	K02007	complete genome	Sanchez-Pescador, R.	(in) Weiss, R.L., Teich, N., Varmus, H. and Coffin, J. (Eds.), <i>RNA Tumor Viruses</i> , Second Edition, 2, Vol. 2:1124-1141, Cold Spring Harbor Laboratory, Cold Spring Harbor (1985)
CONSENSUS-C				
LAI	K02013	complete genome	Wain-Hobson, S.	Cell 40, 9-17 (1985)
HXB2R				
NL43	M19921	complete genome	Adachi, A.	J. Virol. 59, 284-291 (1986)
MN	M17449	complete genome	Gurgo, C.	Virology 164, 531-536 (1988)
JRC5F	M38429	complete genome	Koyanagi, S.	Science 236, 819 (1987)
JRFL	U63632	complete genome	O'Brien, W.A.	Nature 348, 69 (1990)
IFA19	Z30686	vif	Wieland, U.	Virology 203 (1), 43-51 (1994)
IFA65	Z30630	vif	Wieland, U.	Virology 203 (1), 43-51 (1994)
P896	U39362	complete genome	Collman, R.	J. Virol. 66, 7517 (1992)
WEAU160	U21135	complete genome	Ghosh, S.K.	Unpublished (1995)
PA-3799	U24443	vif, vpu, tat, rev, env	Michael, N.L.	J. Virol. 69 (7), 4228-4236 (1995)
U39-32	X91365	vif	Wieland, U.	Unpublished (1995)
3.7	U42234	vif complete	Sova, P.	J. Virol. 69 (4), 2557-2564 (1995)
8.18	U42258	vif complete	Sova, P.	J. Virol. 69 (4), 2557-2564 (1995)
GMK1	U42270	source vif complete	Sova, P.	J. Virol. 69 (4), 2557-2564 (1995)
I2	U42278	source vif complete	Sova, P.	J. Virol. 69 (4), 2557-2564 (1995)
U13-2	X91354	vif	Wieland, U.	Unpublished (1995)
CONSENSUS-C				
92BR025	U52953	complete genome	Gao, F.	J. Virol. 70 (3), 1651-1667 (1996)

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ETH2220	U46016	complete genome	Salminen, M.O.	ARHR 12(14), 1329–1339 (1996)
CONSENSUS-ID				
ELI	K03454	complete genome	Alizon, M.	Cell 46, 63–74 (1986)
Z2Z6	M22639	complete genome	Theodore, T.	Unpublished (1988)
Z6	K03458	pol, vif, vpr, tat, rev, vpu, env, nef, 3' LTR	Srinivasan, A.	Gene 52, 71–82 (1987)
U12-0	X91351	vif	Wieland, U.	Unpublished (1995)
NDK	M27323	complete genome	Spire, B.	Gene 81, 275–284 (1989)
94UG114.1	U88824	complete genome	Gao, F.	Unpublished
84ZR085	U88822	complete genome	Gao, F.	Unpublished
CONSENSUS-E				
90CF402	U51188	complete genome	Gao, F.	J. Virol. 70 (3), 1651–1657 (1996)
CM240	U54771	complete genome	Carr, J.K.	J. Virol. 70 (9), 5935–5943 (1996)
93TH253	U51189	complete genome	Gao, F.	J. Virol. 70 (3), 1651–1657 (1996)
CONSENSUS-F				
93BR020	AF005494	complete genome	Gao, F.	Unpublished
CONSENSUS-G				
92NG003.1	U88825	complete genome	Gao, F.	Unpublished (1997)
92NG083.2	U88826	complete genome	Gao, F.	Unpublished (1997)
CONSENSUS-H				
90CR056	AF005496	complete genome	Gao, F.	Unpublished
CONSENSUS-O				
MVP5180	L20571	complete genome	Gurtler, L.	J. Virol. 68, 1581–1585 (1994)
ANT70C	L20587	complete genome	Vanden Haesevelde, M.	J. Virol. 68 (3), 1586–1596 (1994)
CONSENSUS-CPZ				
SIVCPZGAB	X52154	complete genome	Huet, T.	Nature 345 (6273), 356–359 (1990)
SIVCPZANT	U42720	gag, pol, vif, vpr, tat, rev, vpu, partial env	Vanden Haesevelde, C.	Virology 221, 346 (1996)

vpr cds ->

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WEAU160      VLPRCRYQAGHNKVSLSQYIAL.TAL..ITPKKIKPPIPLPSVYKILTEDEMNKPKQKTKGHRGSHTMNGH
CONSENSUS-A  -R-----K-.Va-t-a-----e--R--R?
U455         -R-----K-.V-TRA-----R-L-R-
IFA86        -R-----K-.VA--A--L-----E--R--NRS-
92UG037      -S--D--T-----K-.V-SRM--A--A--R-R-E--C
Q23          -S-K-----K-.V--T-----RI--L-E--C
CONSENSUS-B  -S-----a-.-----?
SF2          -S-----A-.-----T
LAI          -S-----A-.-----T
HXB2R       -S-----A-.-----T
NL43        -S-I-F-----A-.K-Q-----R-
MN           -S-----S-----K-----I-
JRGSF       -S-----S-----KS-----
JRFL        -S-R-----V-----R-
IFAI9       -SS-----K-----KR--F--T-
P896        -S-S-----A-.T-RR--R--L-
PA-3799     -S-S--RT-----K-.V--T-----R--R-P-
U39-32      3.7      -S-----S-----V-----A-A-
8.18        -S-----S-----A-.A-----S-
GMK1        -S-----A-.V--T-----E-
I2          -S-R-----A-.TKS-----T-
U13-2       -S--T-----K-.V-TRT-----R--S--R-P-
CONSENSUS-C  -S?--D-----K-.K-?-?-V-?-?-R?R--N-
92BR025     -SS-D-----K-.K-A-----V--K--R-R-N-
ETH2220     -S--D-----K-A-----S-V-K-----R-R-N-
CONSENSUS-D  -S?-----?-A-----R--R--?
ELICG       -S-----A-Q-----R--Q-R-
Z226        -SH-----S-----VA-----R--K-
Z6          -SH-----S-----A-----R--K#-
U120        -S-S-D-----A-.K-Q-----R--QN-KQ..LT-
NDK         -S-S-----A-.A-----R--R--R-
94UG114     84ZR085  -Y--N-----V--R-----G--R-
CONSENSUS-E  -S-----A-----R-----RQ--R-
OM240       -R?--P-----K..T??.??.?-----?
90CF402     -RR--PS-----K..T-R-R-----EI--R--ENP-
93TH253     -R-----P-----K..TKT--T-----E-P-
CONSENSUS-F  -IS--N-----K..T-R-R-----I--ENP-
93BR020     IS--N-----A--T-----Q-V-----R--E-
CONSENSUS-H  -R--N-P--KQ--T-----VA-----R-V-----R-
90CR056     -R--N-P--KQ--T-----VA-----R-V-----R-
CONSENSUS-O  -LTK--??-SQ--T-?-?-V..VK??.??.?-----Q?
MVP5180     -LTK--L--SQ--T--F--K-V..VKV-RN-----Q?
ANT70       -LTK--PT--SQ--T--L--R-V..VKARS-----Q-
CONSENSUS-CPZ  -A-----KE--RQ--F--K..SERRR-----A-----H-R--V-QENI--R-
CPZGAB      -A-----KE--RQ--F--K..SERRR-----A-----H-R--V-QENI--R-
CPZANT      ILTY-H-KK--SQ--T-----FCKI-EFRGY--GPRRQF--LSI-----RRWR--ENO

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