

HIV1 VPR

Protein Alignment Summary Table (Vpr)

Name	Accession No.	Region	First Author	Reference
CONSENSUS-A				
U455	M62320	complete genome	Oram, J.D.	ARHR 6 (9), 1073-1078 (1990)
Q23	AF004885	complete genome	Poss, M.,R.A.	Unpublished
IBNG	L39106	complete genome	Howard, T.M.	ARHR 12(15), 1413-1425 (1996)
92UG037	U51190	complete genome	Gao, F.	J. Virol. 70 (3), 1651-1657 (1996)
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)
HXB2	K03455	complete genome	Rosen, C.A.	Cell 41, 813-823 (1985)
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)
P896	U39362	complete genome	Collman, R.	J. Virol. 66, 7517 (1992)
3202A12	U34603	complete genome	Guillon, C.	ARHR 11, 1537 (1995)
3202A21	U34604	complete genome	Guillon, C.	ARHR 11, 1537 (1995)
WEAU160	U21135	complete genome	Ghosh, S.K.	Unpublished (1995)
1883	U41704	vpr	Ge, Y.C.	ARHR 12 (4), 351-354 (1996)
1188-4	U41705	vpr	Ge, Y.C.	ARHR 12 (4), 351-354 (1996)
1062-1-vpr	U73371	vpr	Wang, B.	ARHR 13(3): 275-279 (1996)
VR-1	U41722	vpr	Ge, Y.C.	ARHR 12 (4), 351-354 (1996)
F12CG	Z11530	complete genome	Carlini, F.	J. Viral Diseases 1, 40-55 (1992)
WR27	U26546	complete genome	Salminen, M.O.	Virology 213 (1), 80-86 (1995)
CONSENSUS-D				
92BR025	U52953	complete genome	Gao, F.	J. Virol. 70 (3), 1651-1667 (1996)
ETH2220	U46016	complete genome	Salminen, M.O.	ARHR 12(14), 1329-1339 (1996)

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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Z2Z6	M22639	complete genome	Theodore, T.	Unpublished (1988)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)
NDK	M27323	complete genome	Spire, B.	Gene 81, 275–284 (1989)
94UG1141	U88822	complete genome	Gao, F.	Unpublished
CONSENSUS-E	U88824	complete genome	Gao, F.	Unpublished
CM240	U54771	complete genome	Carr, J.K.	J. Virol. 70 (9), 5935–5943 (1996)
90CF402	U51188	complete genome	Gao, F.	J. Virol. 70 (3), 1651–1657 (1996)
93TH253	U51189	complete genome	Gao, F.	J. Virol. 70 (3), 1651–1657 (1996)
CONSENSUS-F				
93BR020.1	AF005494	complete genome	Gao, F.	Unpublished
CONSENSUS-G				
92NG003	U88825	complete genome	Gao, F.	Unpublished (1997)
H92NG083	U88826	complete genome	Gao, F.	Unpublished (1997)
CONSENSUS-H				
U40561	AF005496	complete genome	Gao, F.	Unpublished
CONSENSUS-O				
ANT70C	L20587	complete genome	Vanden Haesevelde, M.	J. Virol. 68 (3), 1586–1596 (1994)
MVP5180	L20571	complete genome	Gurtler, L.	J. Virol. 68, 1581–1585 (1994)
CONSENSUS-CPZ				
CPZGAB	X52154	complete genome	Huet, T.	Nature 345 (6273), 356–359 (1990)
CPZANT	U42720	gag, pol, vif, vpr, tat, rev, vpu, partial env	Vanden Haesevelde, C.	Virology 221, 346 (1996)

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	amphipathic	alpha helix	oligomerization	<- vif cds	H(S/F)RIG motifs	L-rich domain	tat cds ->
WEAU160							
CONSENSUS-A	MEQAPEDQGPQRPPEVNTLELLEFKSFAVHRFPKRWLWHSIGQHTYETRYGDTWGVETIRLLQQLLEFIH.FRIGCRHSRIGIT...PQRA.RNGASRS	?	?	?	?	?	?
U455	---	---	---	---	---	---	---
Q23	---	---	---	---	---	---	---
AG_L1BNG	---	---	---	---	---	---	---
92UG037	---	---	---	---	---	---	---
CONSENSUS-B	---	---	---	---	---	---	---
SF2	---	---	---	---	---	---	---
LAI	---	---	---	---	---	---	---
HXB2CG	---	---	---	---	---	---	---
NL43	---	---	---	---	---	---	---
MNCG	---	---	---	---	---	---	---
JRCGSF	---	---	---	---	---	---	---
JRFL	---	---	---	---	---	---	---
P896	---	---	---	---	---	---	---
3202A12	---	---	---	---	---	---	---
3202A21	---	---	---	---	---	---	---
1883	---	---	---	---	---	---	---
1884	---	---	---	---	---	---	---
1062-1-VPR	---	---	---	---	---	---	---
VR-1	---	---	---	---	---	---	---
F12CG	---	---	---	---	---	---	---
WR27	---	---	---	---	---	---	---
CONSENSUS-C	---	---	---	---	---	---	---
92BR025	---	---	---	---	---	---	---
ETH2220	---	---	---	---	---	---	---
CONSENSUS-D	---	---	---	---	---	---	---
ELI	---	---	---	---	---	---	---
Z226	---	---	---	---	---	---	---
Z6	---	---	---	---	---	---	---
NDK	---	---	---	---	---	---	---
84ZR085	---	---	---	---	---	---	---
94UG114	---	---	---	---	---	---	---
CONSENSUS-E	---	---	---	---	---	---	---
CM240	---	---	---	---	---	---	---
90CF402	---	---	---	---	---	---	---
93TH253	---	---	---	---	---	---	---
CONSENSUS-F	---	---	---	---	---	---	---
93BR020	---	---	---	---	---	---	---
CONSENSUS-G	---	---	---	---	---	---	---
92NG003	---	---	---	---	---	---	---
CONSENSUS-H	---	---	---	---	---	---	---
90CR056	---	---	---	---	---	---	---
CONSENSUS-O	---	---	---	---	---	---	---
ANT70	---	---	---	---	---	---	---
MV25180	---	---	---	---	---	---	---
CONSENSUS-CPZ	---	---	---	---	---	---	---
CPZGAB	---	---	---	---	---	---	---
CPZANT	---	---	---	---	---	---	---