

## HIV2/SIV TAT

Protein Alignment Summary Table (Tat)

Name	Accession No.	Region	First Author	Reference
ROD	M15390	complete genome	Guyader,M.	Nature 326 (6114), 662-669 (1987)
NIHZ	J03654	complete genome	Zagury,J.F.	PNAS 85, 5941-5945 (1988)
ISY	J04498	complete genome	Franchini,G.	PNAS 86, 2433-2437 (1989)
ST	M31113	complete genome	Kumar,P.	J. Virol. 64, 890-901 (1990)
BEN	M30502	complete genome	Kirchhoff,F.	Virology 177, 305-311 (1990)
CAM2	D00835	complete genome	Tristem,M.F.	J. Gen. Virol. 72, 721 (1991)
D194	J04542	complete genome	Kuehnel,H.	PNAS 86, 2383-2387 (1989)
GHI	M30895	complete genome	Hasegawa,A.	ARHR 5, 593-604 (1989)
MDS	Z48731	gag, pol, vif, tat, rev, nef, env	Becker,M.	Unpublished
KR	U22047	complete genome	Kraus,G.K.	PNAS 90 (9), 4226-4230 (1993)
UC2	U38293	complete genome	Barnett,S.W.	Unpublished (1997)
UC1	L07625	complete genome	Barnett,S.W.	J. Virol. 67, 1006-1014, (1993)
D205	X61240	complete genome	Dietrich Et Al,U.	ARHR 8, 1619 (1992)
EHOA	U27200	complete genome	Rey-Cuille,M.A.	Virology 202 (1), 471-476 (1994)
MM251	M19499	complete genome	Franchini,G.	Nature 328, 539-543 (1987)
MMP11	M72323	tat, rev, nef, complete	Colombini,S.	PNAS 86, 4813-4817 (1989)
MM32H	D01065	complete genome	Rud,E.W.	J. Gen. Virol. 75, 529 (1994)
MM1A11	M76764	complete genome	Luciw,P.A.	ARHR 8: 395-402 (1992)
MM239	M33262	complete genome	Regier,D.A.	ARHR 6, 1221-1231 (1990)
MM142	M16403	complete genome	Chakrabarti,L.	Nature 328, 543-547 (1987)
MNE	M32741	complete genome	Benveniste,R.E.	Unpublished (1990)
SMMMPBJ14,441 SMMMPBJA	M31325	complete genome	Dewhurst,S.	Nature 345, 636-640 (1990)
SIVSMMMH9	M80194	complete genome	Courgnaud,V.	J. Virol. 66, 414-419 (1992)
SMMMH4	X14307	complete genome	Hirsch,V.M.	Nature 339, 389-391 (1989)
SM62A	U04982	partial env, nef, tat, rev	Hirsch,V.M.	J. Virol. 68, 2649-2661 (1994)
STM	M83293	complete genome	Novembre,F.J.	Virology 186, 783-787 (1992)

CONSENSUSUS-A  
 ROD MEtPlkAPeBSrI?SYNpEBSectSedqva?QelakGeeILeQLyPPLeAC?N?CYCK?CCcyhCQlCPfIKKGLGtWY?RkgrRRRtPkkKtthssasad.KSIStrTgnSgp?KkQkKt?ettvetv?gIglg  
 NIHZ K-C-F-R-T-R-R-T-N-S-R-R-M-N-C-E-D-T-T-V-A-DI-P  
 ISY G-C-R-T-S-K-D-Q-D-E-L-A-DL-  
 ST G-T-N-T-N-K-F-G-F-N-C-D-S-A-P-  
 BEN -A-A-G-VSP-D-Y-Q-D-K-K-M-N-E-E-L-AL-Ig-P  
 CANM2 R-TA-L-A-H-L-A-H-T-S-Q-SF-S-E-R-P-P-  
 D194 R-TA-R-L-A-H-T-S-Q-S-A-Q-R-PPP-R-A-A-DP-  
 GH1 E-E-G-TA-L-H-T-S-Q-SF-I-N-E-S-R-T-E-D-T-WY-rcs-  
 MDS -N-E-H-T-R-N-N-R-I-N-A-P-TE-T-P-AL-AR-  
 KR W-C-H-KS-RL-Q-N-P-K-K-SF-V-G-R-pp-TP-IQ-D-R-T-E-P-P-A-TS-  
 UC2 K-K-P-WE-A-L-A-H-T-P-K-SF

CONSENSUSUS-B  
 UC1 -I-qEQ-k-Ss-S-pV-NT-G-DN-k-d-t-k-c-d-S-k-Ss-RA-Ta-p-?-?-L-A-D-T-ev-g?-Dl-P  
 D205 -I-QEQ-K-Ss-S-pV-NT-GSDN-D-K-K-DHS-k-Ss-RA-VTA-E-L-AN-D-T-TKV-KGL-Dl-P  
 EH0A -I-QEQ-N-SSGH-S-GVANT-G-DNR-K-S-T-K-S-C-E-S-k-Ss-RA-TT-pNMR-L-A-D-T-EV-RA-DL-P

CONSENSUSUS-SD  
 MM251 -rEQ-n-e-s-?-i-a-a?tp-s-nL?-Y-t-k-f-c-EgSr?-a-ANT-n?-?-D-Rhc-k-?k-E-V-?a-A-ap-  
 MNP11 -rEQ-N-E-S-R-IL-A-ATTP-S-NL-Y-T-K-F-C-EgSRK-A-ANT-N-L-PN-RHC-E-AK-E-V-KA-AP-  
 MM32H -rEQ-N-E-S-R-IL-A-ATTP-S-NL-Y-T-K-F-C-EgSRK-E-AK-E-V-KA-AP-  
 MM1A11 -rEQ-N-E-SSGH-AAASTP-NL-Y-T-K-F-C-EgSRK-A-ANT-nNRP-N-RHC-E-AK-E-V-KA-AP-  
 MM329 -rEQ-N-E-S-R-I-A-ASTP-S-NL-Y-T-K-F-C-EgSRK-A-ANT-N-P-N-RHC-E-AK-E-V-KA-AP-  
 MM142 -rEQ-N-E-S-R-YI-AAA-IP-S-NL-Y-T-K-F-C-EgSR-A-ANT-N-EB-PN-IRHC-K-AK-E-V-AA-A-AP-  
 MNE -rEQ-N-K-S-GR-AAAPTL-S-NLE-E-Y-T-K-F-C-EgSR-A-ANT-N-P-D-RHC-K-E-V-AA-A-AP-  
 SMMH9 -rEQ-E-SR-H-SI-V-ADTP-S-SLE-Y-K-R-H-x-ANT-L-R-AR-C-K-EK-E-V-AE-A-DL-  
 SMMH4 -rEQ-N-E-CR-H-SI-V-PTP-S-NLE-Y-K-R-H-C-EQH-ANPPP-N-L-AR-R-K-EK-E-V-E-AADL-  
 SM62A -rEQ-N-E-CR-H-SI-V-PTP-S-NLE-Y-K-R-H-C-EQH-ANPLP-N-L-AR-R-K-EK-EV-E-AADL-

CONSENSUSUS-STM  
 STM -rEQ-R-Ss-AVA-TPG-N-E-W-E-C-K-F-K-VT-T-E-S-VK-A-YPI-nNR-L-AR-K-E-EV-E-STP-  
 -rEQ-R-Ss-AVA-TPG-N-E-W-E-C-K-F-K-VT-T-E-S-VK-A-YPI-nNR-L-AR-K-E-EV-E-STP-

<- vpr cds rev cds -> exon \ / exon

# HIV2/SIV TAT

CONSENSUS-A	r\$		120
ROD	-		130
NIH2	-		130
ISY	-		130
ST	-		130
BEN	Q		130
CAM2	-		130
D194	H		130
GH1	-		130
MDS	--		130
KR	Q-		130
UC2	--		130
CONSENSUS-B	-SNTSTRFANS		136
UC1	-		128
D205	-		128
EHOA	-SNTSTRFANS		139
CONSENSUS-SD	--		123
MM251	-		130
MP11	-		130
MM32H	-		131
MM1A11	-		131
MM239	-		130
MM142	-		130
MNE	-		130
SMMPBJ14.441.A	--		128
SMMH9	-		128
SMMH4	-		128
SMG2A	--		128
CONSENSUS-STM	K		129
STM	K		129