

Protein Alignment Summary Table (Nef)

Name(s)	Accession No.	Region	First Author	Reference
ROD	M15390	complete genome	Guyader M	<i>Nature</i> 326 (6114) 662–669 (1987)
NIHZ	J03654	complete genome	Zagury JF	<i>PNAS</i> 85 5941–5945 (1988)
ISY	J04498	complete genome	Franchini G	<i>PNAS</i> 86 2433–2437 (1989)
ST	M31113	complete genome	Kumar P	<i>J Virol</i> 64 890–901 (1990)
BEN	M30502	complete genome	Kirchhoff F	<i>Virology</i> 177 305–311 (1990)
CAM2	D00835	complete genome	Tristem MF	<i>J Gen Virol</i> 72 721 (1991)
D194	J04542	complete genome	Kuehnel H	<i>PNAS</i> 86 2383–2387 (1989)
GHI	M30895	complete genome	Hasegawa A	<i>ARHR</i> 5 593–604 (1989)
KR	U22047	complete genome	Kraus GK	<i>PNAS</i> 90 (9) 4226–4230 (1993)
MDS	Z48731	gag, pol, vif, tat, rev, nef, env	Becker M	Unpublished
UC2	U38293	complete genome	Barnett SW	Unpublished (1997)
UC1	L07625	complete genome	Barnett SW	<i>J Virol</i> 67 1006–1014, (1993)
EHOA	U27200	complete genome	Rey-Cuille MA	<i>Virology</i> 202 (1) 471–476 (1994)
D205	X61240	complete genome	Dietrich U	<i>ARHR</i> 8 1619 (1992)
MM251	M19499	complete genome	Franchini G	<i>Nature</i> 328 539–543 (1987)
MM251	M72323	tat, rev, nef	Colombini S	<i>PNAS</i> 86 4813–4817 (1989)
MM32H	D01065	env, gag, nef	Rud EW	<i>J Gen Virol</i> 75 529 (1994)
MM1A11	M76764	env, gag, nef, pol, rev	Luciw PA	<i>ARHR</i> 8 395–402 (1992)
MM239	M33262	complete genome	Regier DA	<i>ARHR</i> 6 1221–1231 (1990)
MM142	M16403	complete genome	Chakrabarti L	<i>Nature</i> 328 543–547 (1987)
MNE	M32741	complete genome	Benveniste RE	Unpublished (1990)
MM155	L28171	gp120, gp41, tat, rev, nef partial	Kodama T	Unpublished (1994)
MMW25	X86727	partial env, nef	Whatmore AM	<i>J Virol</i> 69 (8) 5117–5123 (1995)
NEFW61	X90853	env, nef	Whatmore AME	<i>J Virol</i> 69 (8) 5117–5123 (1995)
SMMPBJA	M31325	complete genome	Dewhurst S	<i>Nature</i> 345 636–640 (1990)
SMMPBJB	L03295	complete genome	Dewhurst S	<i>Nature</i> 345 636–640 (1990)
PBJ6P6	L09212	env, gag, nef	Hirsch VMJ	<i>J Virol</i> 67 2466–2474 (1993)
SM29	M80194	complete genome	Courgnaud V	<i>J Virol</i> 66 414–419 (1992)
SM29H4	X14307	complete genome	Hirsch VM	Unpublished (1989)
STM	M83293	complete genome	Novembre FJ	<i>Virology</i> 186 783–787 (1992)

II-B-38
DEC 98

CONSENSUS-A	hKSGlPp?eWKAKlKARGlPfs??	236
A_ROD	-----E-----R-----x	237
A_NIHZ	-N-----K-----R-----x	181
A_ISTY	-ME-DD-----R-----x	257
A_ST	Y-----D-----R-----x	256
A_BEN	-----K-----R-----Y-Ex	258
A_CAM2	-----D-----R-----x	258
A_D194	-----K-----R-----Y-Ex	261
A_GH1	-----K-----R-----Y-x	255
A_KR	Y-----E-----R-----S	253
A_MDS	-----K-----R-----NS	255
A_UIC2	-----K-----R-----Y-Es	257
CONSENSUS-B	YQ-----k-----?-?-?-?-?-T?-	221
B_UC1	YQ-----k-x	226
B_EHOA	YQ--M--k-----R-----TE\$	238
B_D205	YQ-----E-----R-----TDx	240
CONSENSUS-D	S-----D-VRRR-T---LYKTADKKEETG\$	137
D_FOENVA13	S-----D-VRRR-T---LYKTADKKEETG\$	137
CONSENSUS-SD	S-----e-VrRr-t---LlKMDkKets?	252
SD_MM251	S-----S-E-VRRRx	247
SD_MMP11	S-----S-E-VRRR-T---LINMADKRETRx	261
SD_MM32H	S-----E-VRRR-T---LINMADKRETRx	264
SD_MM1A11	S-----S-E-VRRR-T---LINMADKRETRx	264
SD_MM239	S-----S-E-VRRR-T---LINMADKRETRx	263
SD_MM142	S-----S-K-V-RR-A---LlEMADKRETSx	262
SD_MNE	S-----S-E-VRRR-T---LlEMADKRETSx	262
SD_MM155	S-----S-E-VRRR-T---LlEMADKRETSx	263
SD_MMW25	S-----E-VRRR-A---LlEMADKRETR\$	258
SD_MMW25	S-----E-VRRR-A---LlEMADKRETR\$	251
SD_NEFW61	SQ-----SKE-VÖRR-T---LlEMADKRETS\$	261
SD_SMPB1A	SQ-----SKE-VÖRR-T---LlEMADKRETS\$	261
SD_SMPB1B	SQ-----SKE-VÖRR-T---LlEMADKRETS\$	261
SD_P316P6	SQ-----SKE-VÖRR-T---LlEMADKRETS\$	261
SD_SMW9	S-----S-E-V-RR-T---LlEMADKRETS\$	261
SD_SMW4	S-----S-E-V-RR-T---LlEMADKRETS\$	262
SD_SMW62A	S-----S-E-V-RR-T---LlEMADKRETS\$	263
SD_SMW670	S-----S-E-V-RR-T---LlEMADKRETS\$	263
CONSENSUS-STM	S-----KE-VRRR-T---LlEMADKRETSx	265
STM_STM	S-----KE-VRRR-T---LlEMADKRETSx	265