

SUPPLEMENTAL DIGITAL CONTENT

Table S1. Phylogenetic analysis of CRF22_01A1 containing recombinant segments

isolate	segment	HXB2 location	coding region	Subtypes or CRFs	Bootstrap (>70%)	% of CRF22_01A1
02CAML04	I	789-6951	1st codon of gag (p17)–243th codon of env (gp120)	CRF22_01A1	Yes	76%
	II	6952-9002	244th codon of env (gp120)–69th codon of nef	CRF02_AG	Yes	
	III	9003-9408	70th–204th codon of nef	CRF22_01A1	Yes	
ARC087	I	789-2563	1st codon of gag (p17)–160th codon of pol (RT)	CRF02_AG	Yes	80%
	II	2564-9190	161st codon of pol (RT)–132nd codon of nef	CRF22_01A1	Yes	
NYU488	I	789-2534	1st codon of gag (p17)–150th codon of pol (Pro)	CRF02_AG	Yes	80%
	II	2535-9190	151st codon of pol (Pro)–132nd codon of nef	CRF22_01A1	Yes	
BDSH129	I	789-2139	1st codon of gag (p17)–26th codon of pol (GagPolTF)	CRF22_01A1	Yes	16%
	II	2140-9190	27th codon of pol (GagPolTF)–132nd codon of nef	CRF02_AG	Yes	
LB045	I	789-3216	1st codon of gag (p17)–377th codon of pol (RT)	CRF02_AG	Yes	65%
	II	3217-5626	378th codon of pol (RT)–23rd codon of vpr	CRF22_01A1	Yes	
	III	5627-6260	24th codon of vpr–12th codon of env (Vpu-gp120)	CRF02_AG	Yes	
	IV	6261-9190	13th codon of env (Vpu-gp120)–132nd codon of nef	CRF22_01A1	Yes	
LB052	I	789-6098	1st codon of gag (p17)–12th codon of vpu	CRF02_AG	Yes	24%
	II	6099-8260	13th codon of vpu–679th codon of env (gp41)	CRF22_01A1	Yes	
	III	8261-9190	680th codon of env (gp41)–132nd codon of nef	CRF02_AG	Yes	
01CM.0130NY	I	789-5253	1st codon of gag (p17)–71st codon of vif	CRF22_01A1	Yes	82%
	II	5254-6668	72nd codon of vif–148th codon of env (gp120)	Subtype F	Yes	
	III	6669-8931	149th codon of env (gp120)–45th codon of nef	CRF22_01A1	Yes	
	IV	8932-9190	46th–132nd codon of nef	CRF01_AE	Yes	
02CM.3163MN	I	789-965	1st–59th codon of gag (p17)	CRF02_AG	Yes	63%
	II	966-1455	60th codon of gag (p17)–222nd codon of gag (p24)	Unclassifiable	No	
	III	1456-2866	223rd codon of gag (p24)–261st codon of pol (RT)	Subsubtype F2	Yes	
	IV	2867-8673	262nd codon of pol (RT)–816th codon of env (gp41)	CRF22_01A1	Yes	
	V	8674-9190	817th codon of env (gp41)–132nd codon of nef	Subsubtype F2	Yes	

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1 **Table. (Continued)**

isolate	segment	HXB2 location	coding region	Subtypes or CRFs	Bootstrap (>70%)	% of CRF22_01A1
01CM.4008HAN	I	789-2294	1st codon of gag (p17)–70th codon of pol (Pro)	Subtype D	Yes	18%
	II	2295-3922	71st codon of pol (Pro)-612nd codon of pol (RNase)	CRF22_01A1	Yes	
	III	3923-6088	613th codon of pol (RNase)-9th codon of vpu	Unclassifiable	No	
	IV	6089-9190	10th codon of vpu-132nd codon of nef	Subtype D	Yes	
01CM.1152NG	I	789-2896	1st codon of gag (p17)–271st codon of pol (RT)	Subsubtype A1	Yes	44%
	II	2897-5198	272nd codon of pol (RT)-53rd codon of vif	CRF22_01A1	Yes	
	III	5199-5672	54th codon of vif-38th codon of vpr	Unclassifiable	No	
	IV	5673-6963	39th codon of vpr-246th codon of env (gp120)	Subsubtype A1	Yes	
	V	6964-8673	247th codon of env (gp120)-816th codon of env (gp41)	CRF22_01A1	Yes	
	VI	8674-9190	817th codon of env (gp41)-132nd codon of nef	Subsubtype A1	Yes	

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