

A lineage of begomoviruses encode Rep and AC4 proteins of enigmatic ancestry: hints on the evolution of geminiviruses in the New World.

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Supplementary Table S2. Names, acronyms and GenBank accession numbers of geminiviruses and endogenous viral sequences (EVS) included in the alignments of Rep motif III region and the N-terminal end of AC4 proteins (Figure 6)

Table S2 – Geminiviruses and endogenous viral sequences harboring a characteristic consensus in the Rep domain adjacent to Motif III

SLCV clade begomoviruses QYKVSGGTKANKDDVYHN		
<i>Virus</i>	Acronym	GenBank Accession
<i>Abutilon golden mosaic Yucatan virus</i>	AbGMYV	KC430935
<i>Capraria yellow spot Yucatan virus</i>	CarYSYV	KC426927
<i>Jacquemontia mosaic Yucatan virus</i>	JacMYuV	JQ821386
<i>Vigna yellow mosaic virus</i>	ViYMV	KC430936
<i>Squash leaf curl virus</i>	SLCV	M38183
<i>Cabbage leaf curl virus</i>	CbLCV	U65529
<i>Rhynchosia golden mosaic Yucatán virus</i>	RhGMYuV	EU021216
<i>Tomato severe leaf curl virus</i>	ToSLCV	JN680352
<i>Jacquemontia yellow vein virus</i>	JacYVV	KY624376
<i>Tomato rugose yellow leaf curl virus</i>	TRYLCV	JN381819
<i>Tomato common mosaic virus</i>	ToCmMV	EU710754
Curtoviruses-type II QYKVSGGTKANKDDVYHN		
<i>Spinach severe surly top virus</i>	SpSCTV	GU734126
<i>Horseradish curly top virus</i>	HrCTV	U49907
Old and New World Begomoviruses FQIDGRSARGGQQQTAND		
<i>Abutilon Brazil virus</i>	AbBV	FN434438
<i>Pepper huasteco yellow vein</i>	PHYVV	NC_001359
<i>Jacquemontia yellow mosaic virus</i>	JacYMV	KF661331
<i>Bean golden yellow mosaic virus</i>	BGYMV	NC_038791
<i>African cassava mosaic virus</i>	ACMV	X17095
<i>Watermelon chlorotic stunt virus</i>	WmCSV	NC_003708
<i>Indian cassava mosaic virus</i>	ICMV	Z24758
<i>Sweet potato leaf curl virus</i>	SwLCV	MK931322
Curtoviruses type-I FQIDGRSARGGQQQTAND		
<i>Beet curly top virus - California [Logan]</i>	BCTV-Cal	NC_001412
<i>Beet curly top virus- Mx</i>	BCTV-MX	EU586261
Turncurtoviruses FQIDGRSARGGQQQTAND		
<i>Turnip curly top virus</i>	TCTV	KX533468
<i>Turnip leaf roll virus</i>	TLRoV,	KT388088
<i>Sesame curly top virus</i>	SesCTV	MH595454
Topocovirus FQIDGRSARGGQQQTAND		
<i>Tomato pseudo-curly top</i>	TPCTV	X84735

Geminiviruses unassigned to a genus		
FQIDGRSARGGQQTAND		
<i>Grapevine geminivirus</i>	GraGV-A	KX570610
<i>Apple geminivirus</i>	AGmV,	KM386645
<i>Juncus maritimus associated virus</i>	JmaV	MG001958
Endogenous viral sequences (EVS)		
FQIDGRSARGGQQTAND		
<i>Dioscorea cirrhosa endogenous viral seq.</i>	EVS-Dioscorea	KJ629235
<i>Nicotiana tomentosiformis geminivirus-like replication protein</i>	EVS-Nicotiana	XM_009626235
<i>Corchorus yellow vein virus-like DNA</i>	EVS-Corchorus	KX10121