

Table S2. Haplotype regional groups (clusters) identified after analyzing concatenated mitochondrial sequences of five loci (ND1, COII, MURF1, CYT b, 12S rRNA and 9S rRNA) from 90 *Trypanosoma cruzi* TcI isolates, 29 from Panama and 39 reference *T. cruzi* strains from different endemic countries across the Americas; with details about the total number of haplotypes, geographical origin and the biological source of the isolates.

Regional groups	Haplotypes	Sequences	Country	Host/Vector
Andean Region	Haplotype 1 (PALP20)	PAL20	Argentina	<i>Didelphis albiventris</i>
		PAL21	Argentina	<i>Didelphis albiventris</i>
		PAL23	Argentina	<i>Triatoma infestans</i>
		PAL5	Argentina	<i>Didelphis albiventris</i>
		SJ22	Bolivia	<i>Didelphis marsupialis</i>
	Haplotype 2 (PALP4)	PAL4	Argentina	<i>Didelphis albiventris</i>
	Haplotype 3 (COT38-1)	COT38-1	Bolivia	<i>Akodon boliviensis</i>
		P234	Bolivia	<i>Homo sapiens</i>
		P238	Bolivia	<i>Homo sapiens</i>
		P268	Bolivia	<i>Homo sapiens</i>
	Haplotype 4 (SJ37)	SJ37	Bolivia	<i>Didelphis marsupialis</i>
		SJ12	Bolivia	<i>Didelphis marsupialis</i>
	Haplotype 5 (SJ34)	SJ34	Bolivia	<i>Didelphis marsupialis</i>
		SJ39	Bolivia	<i>Didelphis marsupialis</i>
		SJ41	Bolivia	<i>Philander opossum</i>
Brazil A	Haplotype 6 (G-strain)	G-strain	Brazil	Opossum
Brazil B	Haplotype 7 (IM48)	IM48	Brazil	<i>Didelphis marsupialis</i>
Brazil C	Haplotype 8 (XE51)	XE51	Brazil	<i>Didelphis marsupialis</i>
	Haplotype 9 (XE29)	XE29	Brazil	<i>Didelphis marsupialis</i>
	Haplotype 10 (B20851)	B20851	Brazil	<i>Didelphis marsupialis</i>
	Haplotype 11 (SYLVIO X10/1)	SILVIO	Brazil	<i>Homo sapiens</i>
North and Central American Region and Western South American countries	Haplotype 12 (AAB3CL)	AAB3CL	Colombia	<i>Rhodnius prolixus</i>
	Haplotype 13 (SLDM1C)	SLDM1CL8	Colombia	<i>Didelphis marsupialis</i>
		SLDM1CL8-2	Colombia	<i>Didelphis marsupialis</i>
	Haplotype 14 (EMCL4)	EMCL4	Colombia	<i>Homo sapiens</i>
	Haplotype 15 (DYRCL5)	DYRCL5	Colombia	<i>Homo sapiens</i>
	Haplotype 16 (DAVIS)	DAVIS	Honduras	<i>Triatoma dimidiata</i>
	Haplotype 17 (Mexico strain)	MEXICOSTRAIN	Mexico	Unknown
	Haplotype 18 (TCV11)	TCV11	Panama	<i>Rhodnius pallescens</i>
		TCR4	Panama	<i>Canis familiaris</i>
		TCH15	Panama	<i>Homo sapiens</i>
		TCH7	Panama	<i>Homo sapiens</i>
		TCV2	Panama	<i>Rhodnius pallescens</i>
		TCV7	Panama	<i>Rhodnius pallescens</i>
		TCH12	Panama	<i>Homo sapiens</i>
		TCH2	Panama	<i>Homo sapiens</i>
		TCH5	Panama	<i>Homo sapiens</i>
		TCR1	Panama	<i>Saguinus geoffroyi</i>
		TCV5	Panama	<i>Rhodnius pallescens</i>
		TCV8	Panama	<i>Rhodnius pallescens</i>

North and Central American Region and Western South American countries		TCV10	Panama	<i>Homo sapiens</i>
		TCH14	Panama	<i>Homo sapiens</i>
		TCH3	Panama	<i>Homo sapiens</i>
		TCH6	Panama	<i>Homo sapiens</i>
		TCR2	Panama	<i>Didelphis marsupialis</i>
		TCV6	Panama	<i>Rhodnius pallescens</i>
		TCV9	Panama	<i>Rhodnius pallescens</i>
	Haplotype 19 (TCV13)	TCV13	Panama	<i>Rhodnius pallescens</i>
		TCV12	Panama	<i>Rhodnius pallescens</i>
		TCV14	Panama	<i>Rhodnius pallescens</i>
	Haplotype 20 (TCV1)	TCV1	Panama	<i>Panstrongylus geniculatus</i>
		TCV3	Panama	<i>Triatoma dimidiata</i>
	Haplotype 21 (TCV4)	TCV4	Panama	<i>Rhodnius pallescens</i>
	Haplotype 22 (TCV17)	TCV17	Panama	<i>Rhodnius pallescens</i>
	Haplotype 23 (TCH4)	TCH4	Panama	<i>Homo sapiens</i>
	Haplotype 24 (TCH8)	TCH8	Panama	<i>Homo sapiens</i>
	Haplotype 25 (TCR3)	TCR3	Panama	<i>Lontra longicaudis</i>
	Haplotype 26 (ARMA1)	ARMA1	USA	<i>Dasyus novemcinctus</i>
		OPOS	USA	<i>Didelphis marsupialis</i>
	Haplotype 27 (9209)	9209	USA	<i>Didelphis marsupialis</i>
	Haplotype 28 (KP1368)	KP1368	El Salvador	<i>Homo sapiens</i>
	Haplotype 29 (M13)	M13	Venezuela	<i>Didelphis marsupialis</i>
		M16	Venezuela	<i>Didelphis marsupialis</i>
		M7	Venezuela	<i>Didelphis marsupialis</i>
	Haplotype 30 (M18)	M18	Venezuela	<i>Didelphis marsupialis</i>
	Haplotype 31 (11713)	11713	Venezuela	<i>Homo sapiens</i>
		11801	Venezuela	<i>Homo sapiens</i>
	Haplotype 32 (1154)	1154	Venezuela	<i>Homo sapiens</i>
	Haplotype 33 (JR)	JR	Venezuela	<i>Homo sapiens</i>