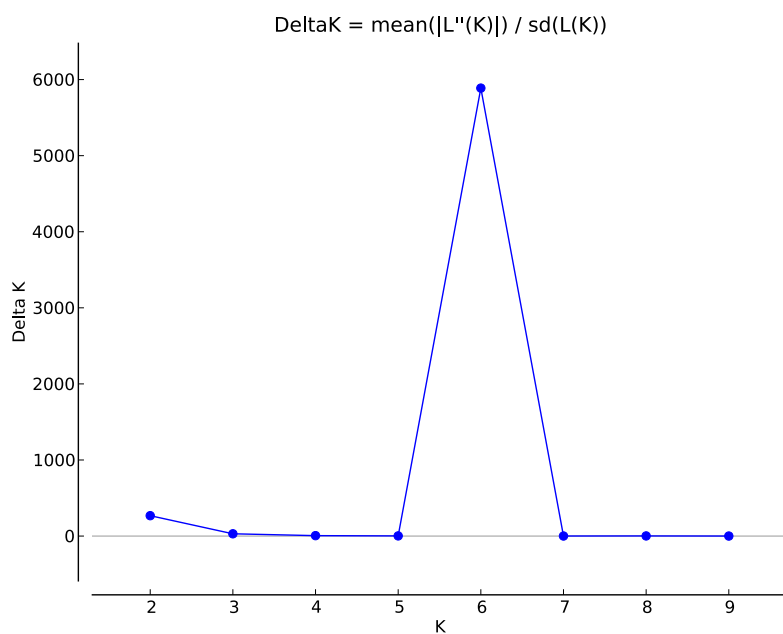
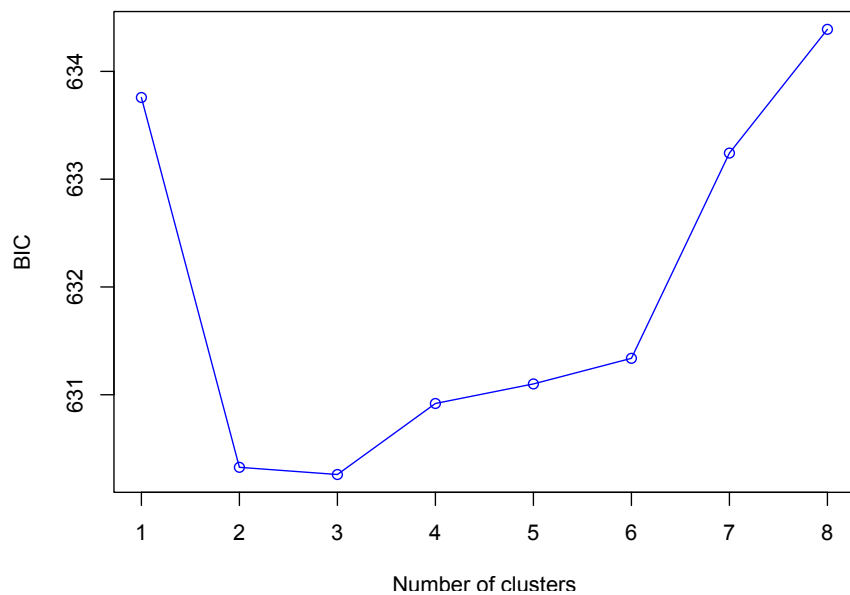
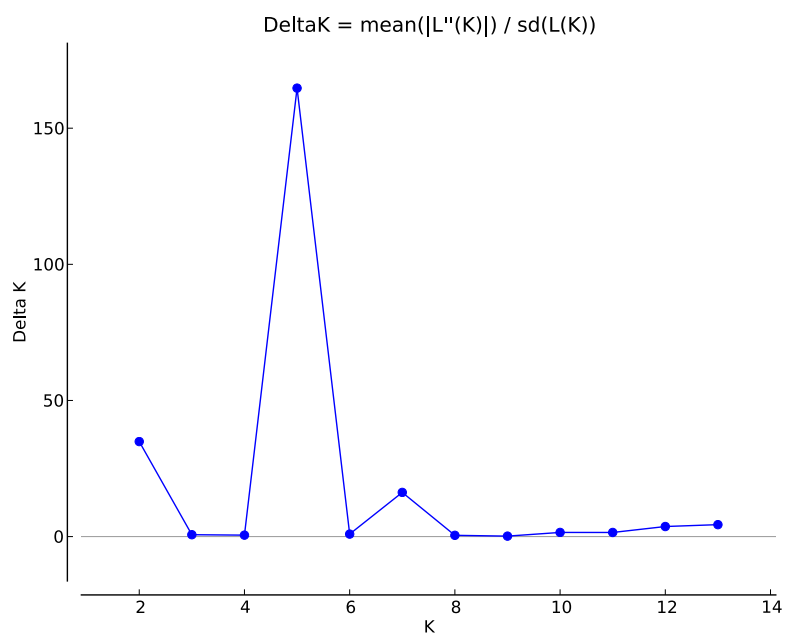




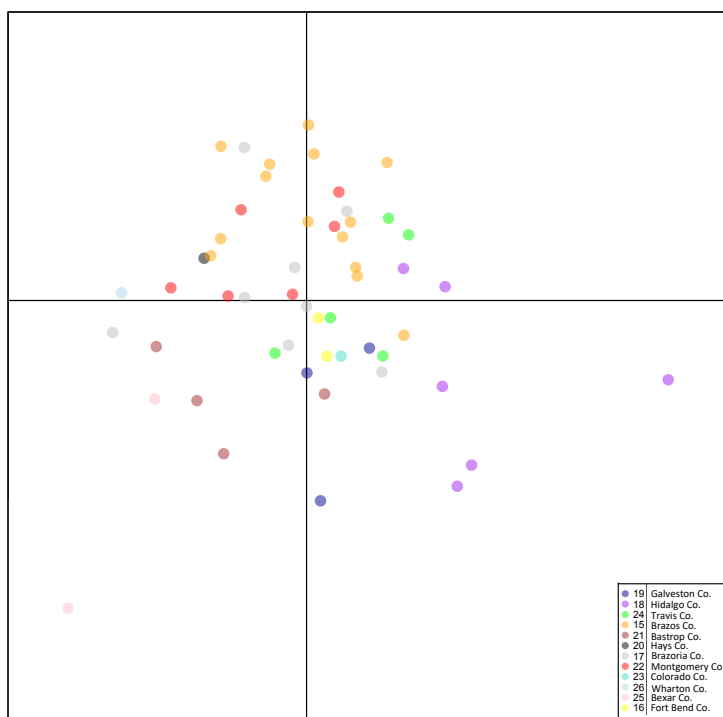
Supplemental Figure 1. Structure Harvester results for TCA samples from the US showing a peak of ΔK at six.



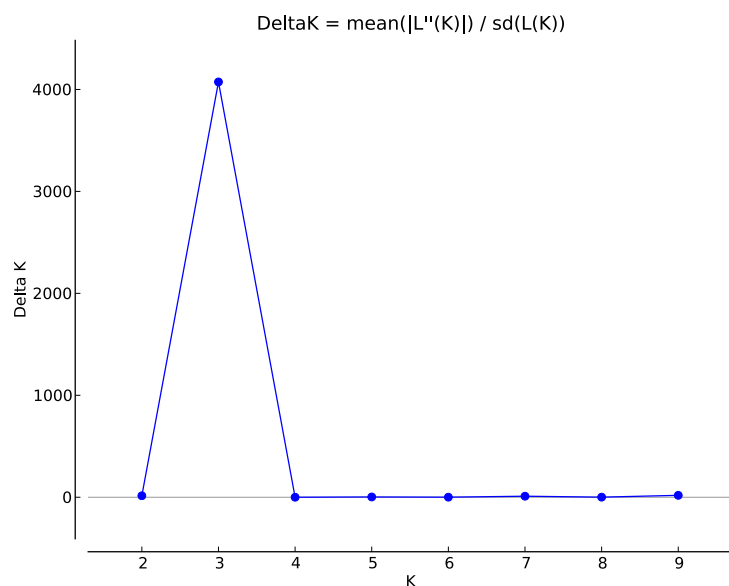
Supplemental Figure 2. The BIC optimal values for US TCA samples were three and five.



Supplemental Figure 3. Structure Harvester results for TCA samples from Texas showing a peak of ΔK at five.



Supplemental Figure 4. DAPC of Texas samples shows that clustering was not strongly associated with geographic location.



Supplemental Figure 5. Structure Harvester results for TCA samples from Argentina showing a peak of ΔK at three.

Supplemental Table 1. AMOVA table for US TCA samples. There was a lack of significant variation detected among locations.

AMOVA US Samples			
Results	Df	Sum Sq	Mean Sq
Between location	5	6069.828	1213.966
Between samples Within location	77	90421	1174.305
Within samples	83	117798.697	1419.261
Total	165	214290.03	1298.727
Components of Variance			
	Sigma	%	
Variations Between location	2.117738	0.1630407	
Variations Between samples Within location	-122.47807	-9.4293612	
Variations Within samples	1419.26141	109.2663205	
Total variations	1298.90107	100	
Statphi			
Phi-samples-total	-0.0926632		
Phi-samples-location	-0.0944476		
Phi-location-total	0.00163041		

Supplemental Table 2. AMOVA table for Argentina TCA samples. No significant variation was detected among locations.

AMOVA Argentina Samples			
Results	Df	Sum Sq	Mean Sq
Between location	2	4879.133	2439.567
Between samples Within Location	7	16293.067	2327.581
Within samples	10	19722	1972.2
Total	19	40894.2	2152.326
Components of Variance			
	Sigma	%	
Variations Between location	18.06221	0.0833146	
Variations Between samples Within location	177.69048	8.196234	
Variations Within samples	1972.2	90.97062	
Total variations	2167.95269	100	
Statphi			
Phi-samples-total	0.0902938		
Phi-samples-location	0.08265094		
Phi-location-total	0.00833146		

Supplemental Table 3. Collection information for TCA samples used in genomic analysis.

Extraction Sample Identity	Location City	State/Country	County/Parish/Province	Date Collected (MM/DD/YR)	Degrees Coordinates	Collector
TCA199	Theodore	Alabama	Mobile County	24-Aug-2017	30°30'57.74"N, 88°06'27.03"W	Fudd Graham (Auburn)
TCA-262c-E	Theodore	Alabama	Mobile County	24-Aug-2017	30°30'57.74"N, 88°06'27.03"W	Fudd Graham (Auburn)
TCA-199b-E	Theodore	Alabama	Mobile County	24-Aug-2017	30°30'57.74"N, 88°06'27.03"W	Fudd Graham (Auburn)
TCA178	Buenos Aires	Argentina	Buenos Aires	10-Mar-2017	NA	Montoya Lerma
TCA103	Camping area to 5 km from Aristóbulo del Valle	Argentina	Misiones	18-Sep-2016	27°09'25.2"S 54°55'20.0"W	L.A. Calcaterra
TCA-103b-E	Camping area to 5 km from Aristóbulo del Valle	Argentina	Misiones	18-Sep-2016	27°09'25.2"S 54°55'20.0"W	L.A. Calcaterra
TCA251	El Dorado, near junction Rt. 12 and Rt. 17	Argentina	Misiones	23-May-2015	26°23'49.8"S 54°37'58.9"W	L.A. Calcaterra
TCA101	Guauguay entrance	Argentina	Entre Ríos	14-Dec-2016	33°09'30.0"S 59°17'01.3"W	L.A. Calcaterra
TCA137	Hurlingham, FuEDEI laboratory	Argentina	Buenos Aires	16-Dec-2016	34°35'15.3"S 58°38'29.0"W	L.A. Calcaterra
TCA-264b-E	Junction Rt. 11 and Rt. 12, El Alcazar	Argentina	Misiones	18-Sep-2016	26°41'43.6"S 54°49'13.5"W	L.A. Calcaterra
TCA256	Rt. 12, Shell gas station, between Alcazar and Puerto Iguazú	Argentina	Misiones	18-Sep-2016	26°01'19.1"S 54°35'12.2"W	L.A. Calcaterra
TCA114	Rt. 14, Juan Pujol	Argentina	Corrientes	17-Sep-2016	30°25'23.0"S 57°58'49.8"W	L.A. Calcaterra
TCA96	Rt. 14, Villa San José	Argentina	Entre Ríos	17-Sep-2016	32°13'54.0"S 58°14'03.9"W	L.A. Calcaterra
TCA181	El viajano, Bella Vista	Colombia	Santiago de Abajo	XX-Feb-2018	08°35'15.85" N , 75°23'33.70" W	Montoya Lerma/Andr es Posso-

Extraction Sample Identity	Location City	State/ Country	County/ Parish/ Province	Date Collected (MM/DD/YR)	Degrees Coordinates	Collector
TCA-181d-E	El viajano, Bella Vista, Santiago de abajo	Colombia	Santiago de Abajo	XX-Feb-2018	08°35'15.85" N , 75°23'33.70" W	James Montoya Lerma/Andres Posso-Terranova
TCA-269c-E	likely close to Winter Garden	Florida	NA	28-Sep-2016	NA	Jocelyn R. Holt
TCA-269c-E2	likely close to Winter Garden	Florida	NA	28-Sep-2016	NA	Jocelyn R. Holt
TCA-269g-E	likely close to Winter Garden	Florida	NA	28-Sep-2016	NA	Jocelyn R. Holt
TCA-269f-E	Likely close to Winter Garden	Florida	NA	28-Sep-2016	NA	Jocelyn R. Holt
TCA-266d-E	Powerline Road, Lithia	Florida	Hillsborough County	25-Sep-2016	27°52'34"N , 82°10'58"W	NA
TCA105	SE Regional Park, Boca Raton	Florida	Palm Beach County	18-Aug-2017	26°22'45.2"N 80°13'13.9"W	John Warner (University of Florida)
TCA237	Winter Garden	Florida	Orange County	27-Aug-2015	28°29'26.9"N 81°40'07.4"W	David Oi
TCA-266b-E	Lithia	Florida	Hillsborough County	25-Sep-2016	27°52'34"N , 82°10'58"W	NA
TCA122	Albany	Georgia	Dougherty County	28-Aug-2017	NA	Dan Suiter
TCA125	Garden City, Port of Savannah	Georgia	Chatham Co.	9-Jun-2016	32°08'03.94" N, 81°09'12.62" W	Dan Suiter/Ben Gochnour
TCA167	Garden City, Port of Savannah	Georgia	Chatham Co.	9-Jun-2016	32°18'10.38" N, 81°09'15.03" W	Dan Suiter/Ben Gochnour
TCA175	Garden City, Port of Savannah	Georgia	Chatham Co.	9-Jun-2016	NA	Dan Suiter/Ben Gochnour
TCA238	Garden City, Port of Savannah	Georgia	Chatham Co.	9-Jun-2016	32°08'21.50" N, 81°09'03.59" W	Dan Suiter/Ben Gochnour
TCA258	Garden City, Port of Savannah	Georgia	Chatham Co.	9-Jun-2016	32°08'12.65" N, 81°09'08.71" W	Dan Suiter/Ben Gochnour
TCA131	Baton Rouge	Louisiana	East Baton Rouge Parish	1-Sep-2016	30°24'27"N, 91°10'29"W	Gregg Henderson
TCA176	Baton Rouge	Louisiana	East Baton Rouge Parish	25-Apr-2017	30°24'27"N, 91°10'29"W	Wade Sharp

Extraction Sample Identity	Location City	State/ Country	County/ Parish/ Province	Date Collected (MM/DD/YR)	Degrees Coordinates	Collector
TCA115	by Lafayette Memorial Park Cemetary	Louisiana	Lafayette Parish	2-Oct-2017	NA	Dan Devenport
TCA234	N. Sterling, Lafayette	Louisiana	Lafayette Parish	2-Oct-2017	NA	Dan Devenport
TCA-234b- E	N. Sterling, Lafayette	Louisiana	Lafayette Parish	2-Oct-2017	NA	Dan Devenport
TCA120	Vermilian	Louisiana	Vermilion Parish	2-Oct-2017	NA	Dan Devenport
TCA-120c- E	Vermilian	Louisiana	Vermilion Parish	2-Oct-2017	NA	Dan Devenport
TCA148	Ocean Springs	Mississippi	Jackson Co.	12-Sep-2016	30°22'37.0"N 88°44'35.9"W	David Cross
TCA159	Ocean Springs	Mississippi	Jackson Co.	12-Sep-2016	30°22'36"N, 88°44'32.30"W	David Cross
TCA185	Ocean Springs	Mississippi	Jackson Co.	12-Sep-2016	30°23'24.26"N, 88°47'18.40"W	David Cross
TCA224	Ocean Springs	Mississippi	Jackson Co.	12-Sep-2016	30°22'37.0"N 88°44'35.9"W	David Cross
TCA228	Ocean Springs	Mississippi	Jackson Co.	12-Sep-2016	30°22'37.0"N 88°44'35.9"W	David Cross
TCA-249b- E	Ocean Springs	Mississippi	Jackson Co.	6-Jul-2011	30°26'24" N, 88°50'36"W	J.A. MacGown
TCA191	Yurimagues	Peru	NA	XX-XX-2016	NA	J. Vasquez
TCA177	Austin	Texas	Travis County	3-Aug-2016	30°12'7"N, 97°41'42"W	Jocelyn R. Holt
TCA194	Austin	Texas	Travis County	3-Aug-2016	30°12'7"N, 97°41'42"W	Jocelyn R. Holt
TCA225	Austin	Texas	Travis County	3-Aug-2016	30°12'7"N, 97°41'42"W	Jocelyn R. Holt
TCA-209c- E	Austin	Texas	Travis County	8-Aug-2018	30°27'42.2"N , 97°50'11.5" W	NA
TCA-286c- E	Austin by MET Center & Airport	Texas	Travis County	11-Jun-2018	30°11'53" N , 97°41'53" W	Jocelyn R. Holt
TCA93	Brazoria Co.	Texas	Brazoria County	26-Jul-2016	NA	Jocelyn R. Holt
TCA106	Bryan	Texas	Brazos County	22-Jul-2016	30°43'45.71N, 96°19'18.20W	Jocelyn R. Holt
TCA202	Bryan	Texas	Brazos County	22-Jul-2016	30°43'45.71N, 96°19'18.20W	Jocelyn R. Holt
TCA204	Bryan	Texas	Brazos County	22-Jul-2016	30°43'45.71N, 96°19'18.20W	Jocelyn R. Holt
TCA231	Bryan	Texas	Brazos	5-Jul-2017	30°43'38" N , 96°19'26" W	Jocelyn R. Holt

Extraction Sample Identity	Location City	State/ Country	County/ Parish/ Province	Date Collected (MM/DD/YR)	Degrees Coordinates	Collector
TCA1-4	Bryan	Texas	Brazos	NA	30°43'40"N 96°19'25"W	Jocelyn R. Holt
TCATest1-5	Bryan	Texas	Brazos	NA	30°43'40"N 96°19'25"W	Jocelyn R. Holt
TCA-265b-E	Bryan, Golden Eagle Dr	Texas	Brazos County	7-Oct-2016	30°43'43"N, 96°19'19"W	Jocelyn R. Holt
TCA-265-E	Bryan, Golden Eagle Dr	Texas	Brazos County	7-Oct-2016	30°43'43"N, 96°19'19"W	Jocelyn R. Holt
TCA-282-E	Bryan	Texas	Brazos	NA	30°43'37"N, 96°19'27"W	Jocelyn R. Holt
TCA100	Buda	Texas	Hays County	8-Aug-2016	30°4'32"N, 97°50'44"W	Jocelyn R. Holt
TCA104	by Buscher State Park, Bastrop	Texas	Bastrop County	8-Aug-2016	NA	Jocelyn R. Holt
TCA138	by Buscher State Park, Bastrop	Texas	Bastrop County	8-Aug-2016	NA	Jocelyn R. Holt
TCA179	by Buscher State Park, Bastrop	Texas	Bastrop County	8-Aug-2016	NA	Jocelyn R. Holt
TCA285-E	by Buscher State Park, Bastrop	Texas	Bastrop County	28-Sep-2016	NA	Jocelyn R. Holt
TCA157	College Station by Baylor Scott & White (BSW)	Texas	Brazos County	4-Aug-2017	30°33'18"N, 96°15'58"W	Jocelyn R. Holt
TCA110	College Station by BSW	Texas	Brazos County	4-Aug-2017	30°33'17"N, 96°15'57"W	Jocelyn R. Holt
TCA116	College Station by BSW	Texas	Brazos County	4-Aug-2017	30°33'22"N, 96°15'57"W	Jocelyn R. Holt
TCA229	College Station by BSW	Texas	Brazos County	4-Aug-2017	30°33'17"N, 96°15'57"W	Jocelyn R. Holt
TCA235	College Station by BSW	Texas	Brazos County	4-Aug-2017	30°33'22"N, 96°15'57"W	Jocelyn R. Holt
TCA121	Columbus	Texas	Colorado Co.	4-Aug-2016	29°42'15.2"N 96°32'15.9"W	Mackenzie Kjeldgaard
TCA140	Conroe	Texas	Montgomery County	10-Sep-2016	30°19'31"N, 95°29'55"W	Jocelyn R. Holt

Extraction Sample Identity	Location City	State/ Country	County/ Parish/ Province	Date Collected (MM/DD/YR)	Degrees Coordinates	Collector
TCA117	Conroe	Texas	Montgomery County	16-Sep-2016	30°19'31.42"N, 95°29'55.29"W	Jocelyn R. Holt
TCA111	East Columbia	Texas	Brazoria County	21-Oct-2016	29°4'47"N, 95°35'48"W	Jocelyn R. Holt
TCA127	East Columbia	Texas	Brazoria County	26-Jul-2016	29°08'46"N, 95°36'42"W	Jocelyn R. Holt
TCA133	East Columbia	Texas	Brazoria County	26-Jul-2016	29°08'46"N, 95°36'42"W	Jocelyn R. Holt
TCA168	East Columbia	Texas	Brazoria County	21-Oct-2016	29°4'47"N, 95°35'48"W	Jocelyn R. Holt
TCA230	East Columbia	Texas	Brazoria County	NA	29°04'40.7"N 95°35'45.4"W	Bryant McDowell
TCA166	El Campo	Texas	Hillje, Wharton County	12-Nov-2016	29°08'55.2"N 96°20'45.3"W	John Gordy
TCA-95b-E	Weslaco, Estero Llano Grande Valley State Park	Texas	Hildago Co.	15-May-2017	26°07'19.1"N 97°57'03.7"W	Melissa Jones
TCA196	Weslaco, Estero Llano Grande Valley State Park	Texas	Hildago Co.	15-May-2017	26°07'32.5"N 97°57'08.1"W	Melissa Jones
TCA-218c-E	Weslaco, Estero Llano Grande Valley State Park	Texas	Hildago Co.	15-May-2017	26°07'26.4"N 97°57'26.4"W	Melissa Jones
TCA-95	Weslaco, Estero Llano Grande Valley State Park	Texas	Hildago Co.	15-May-2017	26°07'19.1"N 97°57'03.7"W	Melissa Jones
TCA-85c-E	Weslaco, Estero Llano Grande Valley State Park	Texas	Hildago Co.	15-May-2017	26°07'19.1"N 97°57'03.7"W	Melissa Jones
TCA-196b-E	Weslaco, Estero Llano Grande	Texas	Hildago Co.	15-May-2017	26°07'32.5"N 97°57'08.1"W	Melissa Jones
TCA-97	La Marque	Texas	Galveston County	23-Sep-2016	29°21'22"N, 95°0'9"W	Jocelyn R. Holt
TCA239	La Marque	Texas	Galveston County	23-Sep-2016	29°21'22"N, 95°0'9"W	Jocelyn R. Holt
TCA-176b-E	La Marque, Carbide Park Residence	Texas	Galveston County	23-Sep-2016	NA	Jocelyn R. Holt

Extraction Sample Identity	Location City	State/Country	County/Parish/Province	Date Collected (MM/DD/YR)	Degrees Coordinates	Collector
TCA91	Richmond	Texas	Fort Bend County	8-Nov-2016	29°39'48.5"N, 95°48'53.4"W	J. McMullan
TCA259	Richmond	Texas	Fort Bend County	8-Nov-2016	29°39'48.5"N, 95°48'56.5"W	J. McMullan
TCA163	Rosharon	Texas	Brazoria County	18-Aug-2016	29°25'09.0"N 95°27'22.7"W	Crys Wright
TCA222	Rosharon	Texas	Brazoria County	18-Aug-2016	29°25'09.0"N 95°27'22.7"W	Crys Wright
TCA203	San Antonio	Texas	Bexar County	8-Aug-2016	29°26'24"N, 98°38'34"W	Jocelyn R. Holt
TCA233	San Antonio	Texas	Bexar County	8-Aug-2016	29°26'24"N, 98°38'34"W	Jocelyn R. Holt
TCA143	Spring/The Woodlands	Texas	Montgomery County	10-Sep-2016	30°10'7"N, 95°30'18"W	Jocelyn R. Holt
TCA170	Spring/The Woodlands	Texas	Montgomery County	10-Sep-2016	30°10'7"N, 95°30'17"W	Jocelyn R. Holt
TCA242	Spring/The Woodlands	Texas	Montgomery County	10-Sep-2016	30°10'7"N, 95°30'17"W	Jocelyn R. Holt

Supplemental Table 4a. Isolation by Distance (IBD) table for all TCA samples.

7 populations
Genetic statistic ($F/(1-F)$):
0.0983
0.0904 0.0083
0.0909 0.0503 0.0100
0.1011 0.0441 0.0098 0.0633
0.1012 0.0348 0.0102 0.0470 0.0446
0.0980 0.0396 0.0100 0.0591 0.0446 0.0412
distances:
7465
7789 494
7313 294 786
7333 233 726 63
6771 917 1405 645 695
7166 974 1446 689 751 502

Supplemental Table 4b. Isolation by Distance (IBD) table for US samples.

6 populations
Genetic statistic ($F/(1-F)$):
0.0083
0.0098 0.0441
0.0100 0.0503 0.0633
0.0100 0.0396 0.0446 0.0591
0.0102 0.0348 0.0446 0.0470 0.0412
distances:
494
726 233
786 294 63
1446 974 751 689
1405 917 695 645 502

Supplemental Table 4c. Isolation by Distance (IBD) table for South America samples.

3 populations

Genetic statistic ($F/(1-F)$):

0.3176

0.1441 0.5723

distances:

4678

3257 310