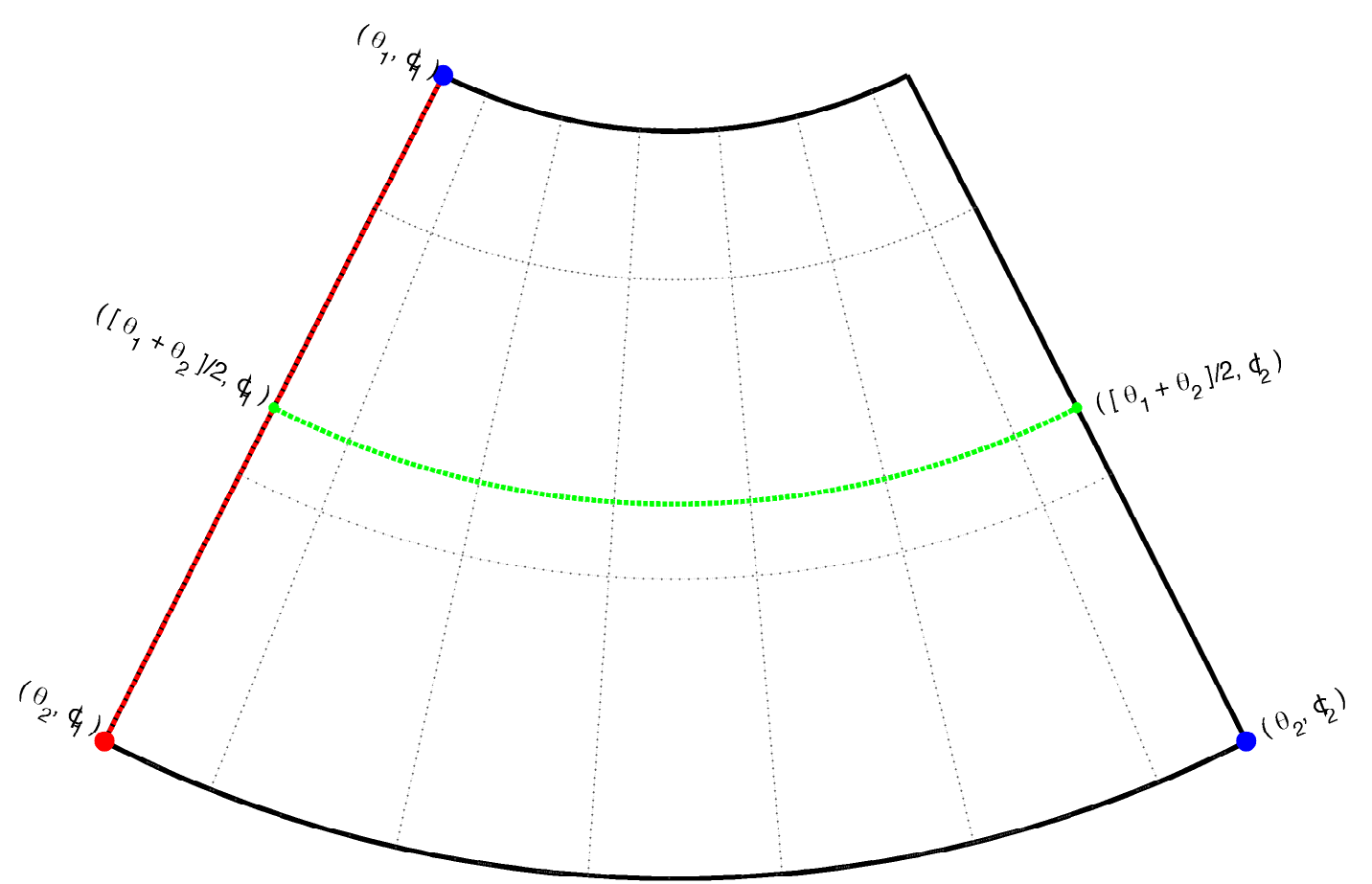
(θ_1, ϕ_1)
$([\theta_1 + \theta_2]/2, \phi_1)$
$([\theta_1 + \theta_2]/2, \phi_2)$
(θ_2, ϕ_1)
(θ_2, ϕ_2)

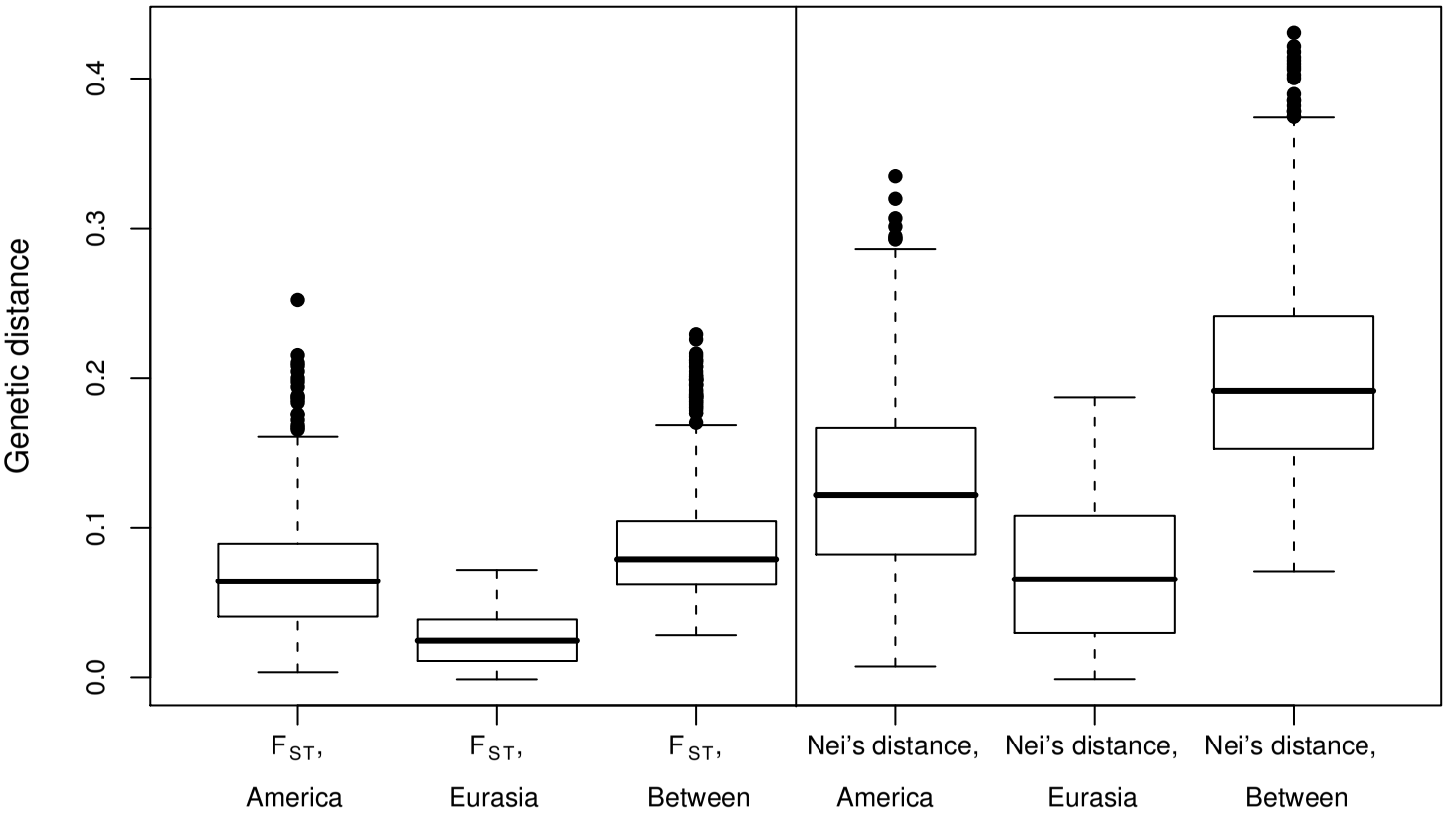
Genetic distance
0.0
0.1
0.2
0.3
0.4
F ST, America
F ST, Eurasia
F ST, Between
Nei's distance, America
Nei's distance, Eurasia
Nei's distance, Between

Table 1. Regression of genetic distance on geographic distance in Eurasia and the Americas.

The partial Mantel correlation coefficient (Smouse et al., 1986) is given for genetic and geographic distance, controlling for the heterozygosity term. The null hypothesis tested is whether the partial correlation is equal to zero; the test is two-tailed and based on 10^4 permutations. The regression coefficient is the coefficient of geographic distance in the multiple regression of genetic distance on the sum of geographic distance and the heterozygosity term. 95% confidence intervals are given for regression coefficients. Here we display the models with lowest-rescaled *AIC* for both latitudinal and longitudinal distance in each continent; the best model overall within each continent has a rescaled *AIC* of 0. Results from all 48 models considered appear in Tables S1-S4.

Continent	Genetic distance	Geographic distance	Heterozygosity term	Partial Mantel *r* (*p*-value)		Regression coefficient x 10^{-6} (*p*-value)	95% C.I., regression coeff. x 10^{-6}	R^2	rescaled *AIC*
Eurasia	F_{ST}	Latitude, waypoints	Minimum	0.0599	(0.3268)	0.7431 (0.1033)	[-0.1514, 1.6376]	0.2286	609.97
Eurasia	F_{ST}	Longitude, waypoints	Minimum	0.7500	(0.0001)	3.7569 ($<10^{-133}$)	[3.5175, 3.9963]	0.6613	0
America	F_{ST}	Latitude, waypoints	Mean	0.6337	(0.0001)	4.8605 ($<10^{-46}$)	[4.2795, 5.4416]	0.9128	0
America	F_{ST}	Longitude, waypoints	Mean	0.3128	(0.0081)	3.8571 ($<10^{-9}$)	[2.7102, 5.0041]	0.8686	166.67

Table 2. Robustness of the observation that 95% confidence intervals for the slope of the latitudinal distance regression term in the Americas are strictly greater than 95% confidence intervals for the slope of the longitudinal distance regression term in Eurasia.

Number of populations excluded		**Lowest-*AIC* model same as in Table 1:**			**Using whichever models had lowest *AIC* in each continent**		
America	Eurasia	Number of greater American intervals	Number of comparisons	Proportion of greater American intervals	Number of greater American intervals	Number of comparisons	Proportion of greater American intervals
0	0	1	1	1	1	1	1
0	1	37	37	1	37	39	0.9487
1	0	27	29	0.9310	27	29	0.9310
0	2	671	673	0.9970	671	741	0.9055
1	1	992	1073	0.9245	993	1131	0.8780
2	0	339	406	0.8350	339	406	0.8350
0	3	7759	7881	0.9845	7759	9139	0.8490
1	2	17700	19517	0.9069	17744	21489	0.8257
2	1	12264	15022	0.8164	12295	15834	0.7765
3	0	2656	3653	0.7271	2656	3654	0.7269
1	3	202289	228549	0.8851	203064	265031	0.7662
2	2	218407	273238	0.7993	219366	300846	0.7292
3	1	97123	135161	0.7186	97489	142506	0.6841
2	3	2508097	3199686	0.7836	2527039	3710434	0.6811
3	2	1742920	2458469	0.7089	1754938	2707614	0.6481
3	3	20123630	28789293	0.6990	20355336	33393906	0.6096

Exclusions of zero, one, two, or three populations from one or both continental samples are considered. There are 29 Native American populations and 39 Eurasian populations in the sample. Rows are grouped by the sum across both continents of the number of populations excluded. When excluding populations, the model with the lowest *AIC* for a continent was sometimes different from the best model overall in the continent, as reported in Table 1. Columns 3-5 reflect comparisons between intervals when the lowest-*AIC* model in the Americas regressed genetic distance on latitudinal distance (with or without the incorporation of waypoints) and the lowest-*AIC* model in Eurasia regressed genetic distance on longitudinal distance (with or without the incorporation of waypoints); note that these models were the lowest-*AIC* models in each continent using the full dataset (see Table 1). Columns 6-8 reflect comparisons between confidence intervals for the coefficient of the geographic distance term in lowest-*AIC* models — regardless of which models these were — after the exclusion of populations. Entries in column 5 are the ratios of entries in column 3 to entries in column 4; entries in column 8 are the ratios of entries in column 6 to entries in column 7.

Table S1. Regression of genetic distance on geographic distance in Eurasia; results from 24 models using F_{ST} (Weir, 1996).

The table format is the same as in Table 1. Models with a rescaled $AIC \leq 2$ are considered equivalent. The minimum *AIC* value observed for these models when fitted to Eurasian data was -4809.58; this value was subtracted from all *AIC* values to give the rescaled *AIC* values displayed here.

Continent	Genetic distance	Geographic distance	Heterozygosity term	Partial Mantel *r* (*p*-value)	Regression coefficient x 10^{-6} (*p*-value)	95% C.I., regression coeff. x 10^{-6}	R^2	Rescaled *AIC*
Eurasia	F_{ST}	Great circle	None	0.7276 (0.0001)	4.8069 (< 10^{-122})	[4.4796, 5.1341]	0.5294	241.79
Eurasia	F_{ST}	Great circle, waypoints	None	0.7274 (0.0001)	4.8067 (< 10^{-122})	[4.4793, 5.1342]	0.5292	242.18
Eurasia	F_{ST}	Latitude	None	0.0961 (0.1153)	1.3489 (0.0088)	[0.3401, 2.3578]	0.0092	793.44
Eurasia	F_{ST}	Latitude, waypoints	None	0.0961 (0.1160)	1.3489 (0.0088)	[0.3401, 2.3578]	0.0092	793.44
Eurasia	F_{ST}	Longitude	None	0.7257 (0.0001)	4.0816 (< 10^{-121})	[3.8022, 4.3611]	0.5266	246.15
Eurasia	F_{ST}	Longitude, waypoints	None	0.7258 (0.0001)	4.0819 (< 10^{-121})	[3.8025, 4.3612]	0.5269	245.79
Eurasia	F_{ST}	Great circle	Maximum	0.7260 (0.0001)	4.9140 (< 10^{-121})	[4.5776, 5.2504]	0.5335	237.32

Eurasia	F_{ST}	Great circle, waypoints	Maximum	0.7258 (0.0001)	4.9143 ($< 10^{-121}$)	[4.5778, 5.2509]	0.5333	237.67
Eurasia	F_{ST}	Latitude	Maximum	0.1096 (0.0751)	1.5358 (0.0028)	[0.5291, 2.5424]	0.0255	783.19
Eurasia	F_{ST}	Latitude, waypoints	Maximum	0.1096 (0.0775)	1.5358 (0.0028)	[0.5291, 2.5424]	0.0255	783.19
Eurasia	F_{ST}	Longitude	Maximum	0.7269 (0.0001)	4.2303 ($< 10^{-121}$)	[3.9414, 4.5191]	0.5348	235.24
Eurasia	F_{ST}	Longitude, waypoints	Maximum	0.7270 (0.0001)	4.2301 ($< 10^{-121}$)	[3.9414, 4.5188]	0.5350	234.91
Eurasia	F_{ST}	Great circle	Minimum	0.7456 (0.0001)	4.3986 ($< 10^{-131}$)	[4.1145, 4.6827]	0.6562	11.18
Eurasia	F_{ST}	Great circle, waypoints	Minimum	0.7456 (0.0001)	4.3991 ($< 10^{-131}$)	[4.1149, 4.6833]	0.6562	11.22
Eurasia	F_{ST}	Latitude	Minimum	0.0599 (0.3359)	0.7431 (0.1033)	[-0.1514, 1.6376]	0.2286	609.97
Eurasia	F_{ST}	Latitude, waypoints	Minimum	0.0599 (0.3268)	0.7431 (0.1033)	[-0.1514, 1.6376]	0.2286	609.97
Eurasia	F_{ST}	Longitude	Minimum	0.7500 (0.0001)	3.7572 ($< 10^{-133}$)	[3.5177, 3.9966]	0.6613	0.04
Eurasia	F_{ST}	Longitude, waypoints	Minimum	0.7500 (0.0001)	3.7569 ($< 10^{-133}$)	[3.5175, 3.9963]	0.6613	0
Eurasia	F_{ST}	Great circle	Mean	0.7545	4.8548	[4.5496,	0.5918	138.38

				(0.0001)	(< 10^{-136})	5.1600]		
Eurasia	F_{ST}	Great circle, waypoints	Mean	0.7545 (0.0001)	4.8555 (< 10^{-136})	[4.5502, 5.1607]	0.5917	138.55
Eurasia	F_{ST}	Latitude	Mean	0.0726 (0.2323)	0.9986 (0.0483)	[0.0075, 1.9897]	0.0572	758.64
Eurasia	F_{ST}	Latitude, waypoints	Mean	0.0726 (0.2371)	0.9986 (0.0483)	[0.0075, 1.9897]	0.0572	758.64
Eurasia	F_{ST}	Longitude	Mean	0.7602 (0.0001)	4.1697 (< 10^{-139})	[3.9122, 4.4272]	0.6000	123.32
Eurasia	F_{ST}	Longitude, waypoints	Mean	0.7603 (0.0001)	4.1693 (< 10^{-139})	[3.9119, 4.4267]	0.6001	123.17

Table S2: Regression of genetic distance on geographic distance in Eurasia; results from 24 models using Nei's standard genetic distance (Nei, 1978).

The table format is the same as in Table 1. Models with a rescaled $AIC \leq 2$ are considered equivalent. The minimum *AIC* value observed for these models when fitted to Eurasian data was -4809.58 (in Table S1); this value was subtracted from all *AIC* values to give the rescaled *AIC* values displayed here.

Continent	Genetic distance	Geographic distance	Heterozygosity term	Partial Mantel *r* (*p*-value)	Regression coefficient x 10^{-6} (*p*-value)	95% C.I., regression coeff. x 10^{-6}	R^2	Rescaled *AIC*
Eurasia	Nei's	Great circle	None	0.7412 (0.0001)	13.5021 ($< 10^{-129}$)	[12.6189, 14.3853]	0.5493	1712.99
Eurasia	Nei's	Great circle, waypoints	None	0.7410 (0.0001)	13.5019 ($< 10^{-129}$)	[12.6183, 14.3855]	0.5491	1713.39
Eurasia	Nei's	Latitude	None	0.0839 (0.1491)	3.2464 (0.0224)	[0.4615, 6.0313]	0.0070	2298.33
Eurasia	Nei's	Latitude, waypoints	None	0.0839 (0.1517)	3.2464 (0.0224)	[0.4615, 6.0313]	0.0070	2298.33
Eurasia	Nei's	Longitude	None	0.7422 (0.0001)	11.5112 ($< 10^{-129}$)	[10.7605, 12.2618]	0.5509	1710.46
Eurasia	Nei's	Longitude, waypoints	None	0.7423 (0.0001)	11.5117 ($< 10^{-129}$)	[10.7614, 12.262]	0.5511	1710.09
Eurasia	Nei's	Great circle	Maximum	0.7324 (0.0001)	13.5693 ($< 10^{-124}$)	[12.6578, 14.4808]	0.5495	1714.64

Eurasia	Nei's	Great circle, waypoints	Maximum	0.7323 (0.0001)	13.5701 ($< 10^{-124}$)	[12.6581, 14.4822]	0.5493	1715.03
Eurasia	Nei's	Latitude	Maximum	0.1034 (0.0777)	3.9646 (0.0049)	[1.2076, 6.7217]	0.0386	2276.39
Eurasia	Nei's	Latitude, waypoints	Maximum	0.1034 (0.0741)	3.9646 (0.0049)	[1.2076, 6.7217]	0.0386	2276.39
Eurasia	Nei's	Longitude	Maximum	0.7346 (0.0001)	11.7011 ($< 10^{-125}$)	[10.9200, 12.4821]	0.5526	1709.56
Eurasia	Nei's	Longitude, waypoints	Maximum	0.7347 (0.0001)	11.7007 ($< 10^{-125}$)	[10.9200, 12.4813]	0.5528	1709.21
Eurasia	Nei's	Great circle	Minimum	0.7525 (0.0001)	12.4989 ($< 10^{-135}$)	[11.7084, 13.2894]	0.6500	1527.63
Eurasia	Nei's	Great circle, waypoints	Minimum	0.7525 (0.0001)	12.5001 ($< 10^{-135}$)	[11.7095, 13.2907]	0.6500	1527.70
Eurasia	Nei's	Latitude	Minimum	0.0487 (0.4114)	1.7002 (0.1857)	[-0.8197, 4.2201]	0.1950	2144.87
Eurasia	Nei's	Latitude, waypoints	Minimum	0.0487 (0.3991)	1.7002 (0.1857)	[-0.8197, 4.2201]	0.1950	2144.87
Eurasia	Nei's	Longitude	Minimum	0.7595 (0.0001)	10.7113 ($< 10^{-139}$)	[10.0483, 11.3743]	0.6585	1509.41
Eurasia	Nei's	Longitude, waypoints	Minimum	0.7595 (0.0001)	10.7107 ($< 10^{-139}$)	[10.0477, 11.3736]	0.6585	1509.34

Eurasia	Nei's	Great circle	Mean	0.7588 (0.0001)	13.608 ($< 10^{-138}$)	[12.7640, 14.4519]	0.5894	1646.03
Eurasia	Nei's	Great circle, waypoints	Mean	0.7588 (0.0001)	13.6096 ($< 10^{-138}$)	[12.7653, 14.4539]	0.5893	1646.23
Eurasia	Nei's	Latitude	Mean	0.0651 (0.2690)	2.4962 (0.0766)	[-0.2675, 5.2599]	0.0360	2278.41
Eurasia	Nei's	Latitude, waypoints	Mean	0.0651 (0.2627)	2.4962 (0.0766)	[-0.2675, 5.2599]	0.0360	2278.41
Eurasia	Nei's	Longitude	Mean	0.7661 (0.0001)	11.7100 ($< 10^{-143}$)	[11.0000, 12.4200]	0.6000	1626.56
Eurasia	Nei's	Longitude, waypoints	Mean	0.7661 (0.0001)	11.7090 ($< 10^{-143}$)	[10.9992, 12.4188]	0.6001	1626.36

Table S3: Regression of genetic distance on geographic distance in the Americas; results from 24 models using FST (Weir, 1996).

The table format is the same as in Table 1. Models with a rescaled $AIC \leq 2$ are considered equivalent. The minimum *AIC* value observed for these models when fitted to Native American data was -2386.85; this value was subtracted from all *AIC* values to give the rescaled *AIC* values displayed here.

Continent	Genetic distance	Geographic distance	Heterozygosity term	Partial Mantel *r* (*p*-value)	Regression coefficient x10^{-6} (*p*-value)	95% C.I., regression coeff. x10^{-6}	R^2	Rescaled *AIC*
America	F_{ST}	Great circle	None	0.0476 (0.7362)	0.8880 (0.3382)	[-0.9327, 2.7088]	0.0023	987.60
America	F_{ST}	Great circle, waypoints	None	0.0394 (0.7763)	0.7116 (0.4290)	[-1.0555, 2.4788]	0.0015	987.90
America	F_{ST}	Latitude	None	0.0258 (0.8640)	0.5019 (0.6047)	[-1.4028, 2.4066]	0.0007	988.26
America	F_{ST}	Latitude, waypoints	None	0.0239 (0.8737)	0.4672 (0.6313)	[-1.4453, 2.3798]	0.0006	988.29
America	F_{ST}	Longitude	None	0.1568 (0.2032)	4.9519 (0.0015)	[1.9006, 8.0033]	0.0246	978.42
America	F_{ST}	Longitude, waypoints	None	0.1590 (0.1956)	5.1334 (0.0013)	[2.0168, 8.2499]	0.0253	978.12
America	F_{ST}	Great circle	Maximum	0.3617	5.8135	[4.3461,	0.4422	753.56

				(0.0033)	($< 10^{-13}$)	7.2809]		
America	F_{ST}	Great circle, waypoints	Maximum	0.3571 (0.0038)	5.5858 ($< 10^{-12}$)	[4.1552, 7.0165]	0.4401	755.08
America	F_{ST}	Latitude	Maximum	0.3700 (0.0055)	6.3273 ($< 10^{-13}$)	[4.7714, 7.8832]	0.4460	750.72
America	F_{ST}	Latitude, waypoints	Maximum	0.3733 (0.0032)	6.4281 ($< 10^{-14}$)	[4.8636, 7.9926]	0.4476	749.57
America	F_{ST}	Longitude	Maximum	0.2651 (0.0294)	6.7374 ($< 10^{-7}$)	[4.3378, 9.1370]	0.4033	780.89
America	F_{ST}	Longitude, waypoints	Maximum	0.2676 (0.0278)	6.9480 ($< 10^{-7}$)	[4.4981, 9.3979]	0.4041	780.32
America	F_{ST}	Great circle	Minimum	0.2231 (0.0997)	1.7131 ($< 10^{-5}$)	[0.9802, 2.4460]	0.8391	248.72
America	F_{ST}	Great circle, waypoints	Minimum	0.2200 (0.0962)	1.6394 ($< 10^{-5}$)	[0.9276, 2.3513]	0.8389	249.31
America	F_{ST}	Latitude	Minimum	0.2321 (0.0985)	1.8660 ($< 10^{-5}$)	[1.1002, 2.6317]	0.8398	246.96
America	F_{ST}	Latitude, waypoints	Minimum	0.2362 (0.0983)	1.9075 ($< 10^{-5}$)	[1.1392, 2.6758]	0.8401	246.13
America	F_{ST}	Longitude	Minimum	0.1496 (0.2359)	1.9558 (0.0025)	[0.6903, 3.2212]	0.8345	260.26
America	F_{ST}	Longitude,	Minimum	0.1496	1.9985	[0.7052,	0.8345	260.26

		waypoints		(0.2366)	(0.0025)	3.2919]		
America	F_{ST}	Great circle	Mean	0.5881 (0.0001)	4.2588 (< 10^{-38})	[3.6852, 4.8323]	0.9047	36.16
America	F_{ST}	Great circle, waypoints	Mean	0.5879 (0.0001)	4.1379 (< 10^{-38})	[3.5804, 4.6954]	0.9047	36.27
America	F_{ST}	Latitude	Mean	0.6249 (0.0001)	4.7671 (< 10^{-44})	[4.1838, 5.3503]	0.9112	7.50
America	F_{ST}	Latitude, waypoints	Mean	0.6337 (0.0001)	4.8605 (< 10^{-46})	[4.2795, 5.4416]	0.9128	0
America	F_{ST}	Longitude	Mean	0.3119 (0.0087)	3.7633 (< 10^{-9})	[2.6405, 4.8861]	0.8685	166.94
America	F_{ST}	Longitude, waypoints	Mean	0.3128 (0.0081)	3.8571 (< 10^{-9})	[2.7102, 5.0041]	0.8686	166.67

Table S4: Regression of genetic distance on geographic distance in the Americas; results from 24 models using Nei's standard genetic distance (Nei, 1978).

The table format is the same as in Table 1. Models with a rescaled $AIC \leq 2$ are considered equivalent. The minimum *AIC* value observed for these models when fitted to Native American data was -2386.85 (in Table S3); this value was subtracted from all *AIC* values to give the rescaled AIC values displayed here.

Continent	Genetic distance	Geographic distance	Heterozygosity term	Partial Mantel *r* (*p*-value)	Regression coefficient x 10^{-6} (*p*-value)	95% C.I., regression coeff. x 10^{-6}	R^2	Rescaled *AIC*
America	Nei's	Great circle	None	0.1231 (0.3584)	3.3111 (0.0130)	[0.7009, 5.9212]	0.0152	1280.05
America	Nei's	Great circle, waypoints	None	0.1152 (0.3885)	3.0065 (0.0202)	[0.4717, 5.5414]	0.0133	1280.83
America	Nei's	Latitude	None	0.0982 (0.5023)	2.7615 (0.0479)	[0.0256, 5.4974]	0.0097	1282.32
America	Nei's	Latitude, waypoints	None	0.0983 (0.4927)	2.7757 (0.0477)	[0.0286, 5.5227]	0.0097	1282.31
America	Nei's	Longitude	None	0.2103 (0.0824)	9.5873 ($< 10^{-4}$)	[5.2292, 13.9455]	0.0442	1267.88
America	Nei's	Longitude, waypoints	None	0.2133 (0.0721)	9.9357 ($< 10^{-4}$)	[5.4857, 14.3857]	0.0455	1267.34
America	Nei's	Great circle	Maximum	0.4168	10.1186	[7.9574,	0.4188	1067.96

				(0.0004)	(< 10^{-17})	12.2798]		
America	Nei's	Great circle, waypoints	Maximum	0.4127 (0.0002)	9.7496 (< 10^{-17})	[7.6422, 11.8571]	0.4164	1069.63
America	Nei's	Latitude	Maximum	0.4193 (0.0008)	10.8323 (< 10^{-17})	[8.5356, 13.1289]	0.4203	1066.92
America	Nei's	Latitude, waypoints	Maximum	0.4248 (0.0007)	11.0513 (< 10^{-18})	[8.7451, 13.3575]	0.4235	1064.62
America	Nei's	Longitude	Maximum	0.3115 (0.0090)	11.9576 (< 10^{-9})	[8.3854, 15.5299]	0.3648	1103.99
America	Nei's	Longitude, waypoints	Maximum	0.3147 (0.0077)	12.3450 (< 10^{-10})	[8.6993, 15.9906]	0.3663	1103.07
America	Nei's	Great circle	Minimum	0.3344 (0.0120)	4.4513 (< 10^{-11})	[3.2228, 5.6798]	0.7829	668.17
America	Nei's	Great circle, waypoints	Minimum	0.3320 (0.0098)	4.2897 (< 10^{-11})	[3.0962, 5.4831]	0.7825	668.90
America	Nei's	Latitude	Minimum	0.3337 (0.0192)	4.6507 (< 10^{-11})	[3.3640, 5.9375]	0.7828	668.40
America	Nei's	Latitude, waypoints	Minimum	0.3408 (0.0153)	4.7714 (< 10^{-11})	[3.4826, 6.0603]	0.7839	666.18
America	Nei's	Longitude	Minimum	0.2425 (0.0417)	5.4951 (< 10^{-6})	[3.3423, 7.648]	0.7699	691.71
America	Nei's	Longitude,	Minimum	0.2442	5.6554	[3.4561,	0.7701	691.36

		waypoints		(0.0414)	($< 10^{-6}$)	7.8547]		
America	Nei's	Great circle	Mean	0.5922 (0.0001)	7.9696 ($< 10^{-38}$)	[6.9076, 9.0316]	0.8431	536.38
America	Nei's	Great circle, waypoints	Mean	0.5922 (0.0001)	7.7453 ($< 10^{-38}$)	[6.7132, 8.7774]	0.8431	536.38
America	Nei's	Latitude	Mean	0.6114 (0.0001)	8.6692 ($< 10^{-42}$)	[7.5705, 9.7678]	0.8487	521.61
America	Nei's	Latitude, waypoints	Mean	0.6220 (0.0001)	8.8664 ($< 10^{-44}$)	[7.7735, 9.9594]	0.8518	513.06
America	Nei's	Longitude	Mean	0.3557 (0.0021)	7.9763 ($< 10^{-12}$)	[5.9237, 10.0289]	0.7889	656.79
America	Nei's	Longitude, waypoints	Mean	0.3581 (0.0015)	8.2062 ($< 10^{-12}$)	[6.1109, 10.3016]	0.7893	655.99

Table S5: The lowest-*AIC* regression model among 48 models in Eurasia, when excluding the population indicated in column 1.

Excluded population	Genetic distance	Geographic distance	Heterozygosity term	Partial Mantel *r* (*p*-value)	Regression coefficient x 10^{-6} (*p*-value)	95% C.I., regression coeff. x 10^{-6}	R^2	*AIC*
Adygei	F_{ST}	Longitude, waypoints	Minimum	0.7487 (0.0001)	3.7646 (< 10^{-126})	[3.5172, 4.0120]	0.6499	-4533.57
Balochi	F_{ST}	Longitude, waypoints	Minimum	0.7583 (0.0001)	3.8239 (< 10^{-131})	[3.5800, 4.0678]	0.6614	-4552.13
Basque	F_{ST}	Longitude, waypoints	Minimum	0.7357 (0.0001)	3.7821 (< 10^{-119})	[3.5238, 4.0405]	0.6418	-4537.53
Bedouin	F_{ST}	Longitude, waypoints	Minimum	0.7482 (0.0001)	3.7722 (< 10^{-126})	[3.5240, 4.0204]	0.6531	-4538.67
Brahui	F_{ST}	Longitude, waypoints	Minimum	0.7599 (0.0001)	3.8262 (< 10^{-132})	[3.5834, 4.0691]	0.6647	-4558.36
Burusho	F_{ST}	Longitude, waypoints	Minimum	0.7574 (0.0001)	3.8390 (< 10^{-130})	[3.5934, 4.0846]	0.6641	-4545.15
Cambodian	F_{ST}	Great circle	Minimum	0.7454 (0.0001)	4.4381 (< 10^{-124})	[4.1435, 4.7327]	0.6641	-4555.02
Dai	F_{ST}	Longitude, waypoints	Minimum	0.7463 (0.0001)	3.7042 (< 10^{-125})	[3.4590, 3.9493]	0.6644	-4570.53
Daur	F_{ST}	Longitude,	Minimum	0.7411	3.6704	[3.4237,	0.6618	-4564.16

		waypoints		(0.0001)	($< 10^{-122}$)	3.9172]		
Druze	F_{ST}	Longitude, waypoints	Minimum	0.7454 (0.0001)	3.7174 ($< 10^{-124}$)	[3.4707, 3.9641]	0.6513	-4547.66
French	F_{ST}	Longitude, waypoints	Minimum	0.7511 (0.0001)	3.9060 ($< 10^{-127}$)	[3.6511, 4.1608]	0.6527	-4547.20
Han	F_{ST}	Longitude, waypoints	Minimum	0.7395 (0.0001)	3.6525 ($< 10^{-121}$)	[3.4057, 3.8992]	0.6608	-4569.03
Han (N. China)	F_{ST}	Longitude, waypoints	Minimum	0.7388 (0.0001)	3.6446 ($< 10^{-121}$)	[3.3979, 3.8914]	0.6631	-4572.17
Hazara	F_{ST}	Longitude, waypoints	Minimum	0.7615 (0.0001)	3.8153 ($< 10^{-133}$)	[3.5743, 4.0563]	0.6737	-4571.04
Hezhen	F_{ST}	Longitude, waypoints	Minimum	0.7449 (0.0001)	3.6963 ($< 10^{-124}$)	[3.4506, 3.9420]	0.6649	-4574.28
Italian	F_{ST}	Longitude, waypoints	Minimum	0.7416 (0.0001)	3.7802 ($< 10^{-122}$)	[3.5264, 4.0339]	0.6426	-4535.06
Japanese	F_{ST}	Longitude, waypoints	Minimum	0.7496 (0.0001)	3.7502 ($< 10^{-126}$)	[3.5044, 3.9959]	0.6692	-4587.11
Kalash	F_{ST}	Great circle, waypoints	Minimum	0.8348 (0.0001)	4.7263 ($< 10^{-182}$)	[4.4950, 4.9576]	0.7609	-4871.79
Lahu	F_{ST}	Longitude, waypoints	Minimum	0.7476 (0.0001)	3.7565 ($< 10^{-125}$)	[3.5089, 4.0041]	0.6527	-4563.30
Makrani	F_{ST}	Longitude,	Minimum	0.7555	3.8094	[3.5643,	0.6575	-4544.05

		waypoints		(0.0001)	(< 10^{-129})	4.0546]		
Miao	F_{ST}	Longitude, waypoints	Minimum	0.7404 (0.0001)	3.6621 (< 10^{-122})	[3.4154, 3.9088]	0.6600	-4567.22
Mongola	F_{ST}	Longitude, waypoints	Minimum	0.7407 (0.0001)	3.6603 (< 10^{-122})	[3.4140, 3.9067]	0.6617	-4563.96
Naxi	F_{ST}	Longitude, waypoints	Minimum	0.7456 (0.0001)	3.7058 (< 10^{-124})	[3.4600, 3.9516]	0.6628	-4565.83
Orcadian	F_{ST}	Longitude, waypoints	Minimum	0.7419 (0.0001)	3.7860 (< 10^{-122})	[3.5321, 4.0398]	0.6456	-4536.74
Oroqen	F_{ST}	Longitude, waypoints	Minimum	0.7428 (0.0001)	3.6704 (< 10^{-124})	[3.4249, 3.9159]	0.6610	-4567.97
Palestinian	F_{ST}	Longitude	Minimum	0.7468 (0.0001)	3.7643 (< 10^{-125})	[3.5156, 4.0130]	0.6497	-4535.33
Pathan	F_{ST}	Longitude, waypoints	Minimum	0.7576 (0.0001)	3.8323 (< 10^{-131})	[3.5873, 4.0773]	0.6599	-4547.35
Russian	F_{ST}	Longitude, waypoints	Minimum	0.7526 (0.0001)	3.7801 (< 10^{-128})	[3.5347, 4.0256]	0.6557	-4539.62
Sardinian	F_{ST}	Longitude, waypoints	Minimum	0.7355 (0.0001)	3.7440 (< 10^{-119})	[3.4881, 4.0000]	0.6401	-4534.04
She	F_{ST}	Longitude, waypoints	Minimum	0.7419 (0.0001)	3.6844 (< 10^{-122})	[3.4373, 3.9316]	0.6598	-4571.50
Sindhi	F_{ST}	Longitude,	Minimum	0.7574	3.8326	[3.5875,	0.6602	-4546.61

		waypoints		(0.0001)	($< 10^{-130}$)	4.0778]		
Tu	F_{ST}	Longitude, waypoints	Minimum	0.7450 (0.0001)	3.6716 ($< 10^{-124}$)	[3.4276, 3.9155]	0.6664	-4574.08
Tujia	F_{ST}	Longitude, waypoints	Minimum	0.7416 (0.0001)	3.6527 ($< 10^{-122}$)	[3.4075, 3.8979]	0.6636	-4575.47
Tundra Nentsi	F_{ST}	Longitude	Minimum	0.7659 (0.0001)	3.8673 ($< 10^{-135}$)	[3.6264, 4.1083]	0.6819	-4576.24
Tuscan	F_{ST}	Longitude, waypoints	Minimum	0.7468 (0.0001)	3.8374 ($< 10^{-125}$)	[3.5838, 4.0911]	0.6463	-4538.26
Uygur	F_{ST}	Longitude, waypoints	Minimum	0.7527 (0.0001)	3.7765 ($< 10^{-128}$)	[3.5314, 4.0216]	0.6630	-4549.74
Xibo	F_{ST}	Longitude, waypoints	Minimum	0.7658 (0.0001)	3.7504 ($< 10^{-135}$)	[3.5167, 3.9841]	0.6889	-4619.46
Yakut	F_{ST}	Longitude, waypoints	Minimum	0.7464 (0.0001)	3.7251 ($< 10^{-126}$)	[3.4786, 3.9716]	0.6586	-4554.85
Yi	F_{ST}	Longitude, waypoints	Minimum	0.7427 (0.0001)	3.6797 ($< 10^{-123}$)	[3.4335, 3.9259]	0.6628	-4565.45

Table S6: The lowest-*AIC* regression model among 48 models in the Americas, when excluding the population indicated in column 1.

Excluded population	Genetic distance	Geographic distance	Heterozygosity term	Partial Mantel *r* (*p*-value)	Regression coefficient x 10^{-6} (*p*-value)	95% C.I., regression coeff. x 10^{-6}	R^2	*AIC*
Ache	F_{ST}	Latitude, waypoints	Mean	0.6039 (0.0001)	4.4446 (< 10^{-38})	[3.8490, 5.0402]	0.8687	-2259.57
Arhuaco	F_{ST}	Latitude, waypoints	Mean	0.6734 (0.0001)	5.0311 (< 10^{-50})	[4.4703, 5.5919]	0.9247	-2269.82
Aymara	F_{ST}	Latitude, waypoints	Mean	0.6514 (0.0001)	4.9997 (< 10^{-46})	[4.4084, 5.5910]	0.9164	-2233.64
Cabecar	F_{ST}	Latitude, waypoints	Mean	0.6293 (0.0001)	4.8052 (< 10^{-42})	[4.2026, 5.4077]	0.9144	-2215.93
Chipewyan	F_{ST}	Latitude, waypoints	Mean	0.5808 (0.0001)	4.5650 (< 10^{-34})	[3.9153, 5.2146]	0.9197	-2241.72
Cree	F_{ST}	Latitude, waypoints	Mean	0.6235 (0.0001)	4.7305 (< 10^{-41})	[4.1281, 5.3328]	0.9216	-2252.77
Embera	F_{ST}	Latitude, waypoints	Mean	0.6351 (0.0001)	4.8921 (< 10^{-43})	[4.2880, 5.4961]	0.9133	-2213.90
Guarani	F_{ST}	Latitude, waypoints	Mean	0.6418 (0.0001)	5.0057 (< 10^{-44})	[4.3984, 5.6130]	0.9133	-2215.03
Guaymi	F_{ST}	Latitude,	Mean	0.6312	4.7908	[4.1930,	0.9126	-2219.37

		waypoints		(0.0001)	(< 10^{-42})	5.3886]		
Huilliche	F_{ST}	Latitude, waypoints	Mean	0.6703 (0.0001)	5.5341 (< 10^{-49})	[4.9119, 6.1562]	0.9178	-2235.51
Inga	F_{ST}	Latitude, waypoints	Mean	0.6223 (0.0002)	4.7234 (< 10^{-41})	[4.1201, 5.3267]	0.9130	-2211.66
Kaingang	F_{ST}	Latitude, waypoints	Mean	0.6403 (0.0001)	4.9858 (< 10^{-44})	[4.3784, 5.5932]	0.9141	-2218.26
Kaqchikel	F_{ST}	Latitude, waypoints	Mean	0.6335 (0.0001)	4.8099 (< 10^{-42})	[4.2133, 5.4064]	0.9132	-2225.13
Karitiana	F_{ST}	Latitude, waypoints	Mean	0.6275 (0.0001)	4.7913 (< 10^{-41})	[4.1876, 5.3950]	0.9091	-2208.92
Kogi	F_{ST}	Latitude, waypoints	Mean	0.6268 (0.0001)	4.7152 (< 10^{-41})	[4.1199, 5.3104]	0.9130	-2222.18
Maya	F_{ST}	Latitude, waypoints	Mean	0.6434 (0.0001)	4.9813 (< 10^{-44})	[4.3795, 5.5832]	0.9115	-2217.06
Mixe	F_{ST}	Latitude, waypoints	Mean	0.6392 (0.0001)	4.9141 (< 10^{-43})	[4.3137, 5.5146]	0.9144	-2218.09
Mixtec	F_{ST}	Latitude, waypoints	Mean	0.6371 (0.0001)	4.9164 (< 10^{-43})	[4.3124, 5.5204]	0.9132	-2213.95
Ojibwa	F_{ST}	Latitude, waypoints	Mean	0.6295 (0.0001)	4.7584 (< 10^{-42})	[4.1621, 5.3548]	0.9206	-2248.87
Piapoco	F_{ST}	Latitude,	Mean	0.6269	4.7564	[4.1562,	0.9140	-2215.71

		waypoints		(0.0001)	(< 10^{-41})	5.3565]		
Pima	F_{ST}	Latitude, waypoints	Mean	0.6473 (0.0001)	5.0052 (< 10^{-45})	[4.4067, 5.6036]	0.9145	-2220.88
Quechua	F_{ST}	Latitude, waypoints	Mean	0.6279 (0.0001)	4.8076 (< 10^{-41})	[4.2024, 5.4127]	0.9101	-2209.41
Surui	F_{ST}	Latitude, waypoints	Mean	0.6321 (0.0001)	4.8379 (< 10^{-42})	[4.2358, 5.4401]	0.8944	-2213.59
Ticuna (Arara)	F_{ST}	Latitude, waypoints	Mean	0.6303 (0.0001)	4.7217 (< 10^{-42})	[4.1313, 5.3122]	0.9143	-2223.90
Ticuna (Tarapaca)	F_{ST}	Latitude, waypoints	Mean	0.6295 (0.0001)	4.6522 (< 10^{-42})	[4.0691, 5.2353]	0.9178	-2233.59
Waunana	F_{ST}	Latitude, waypoints	Mean	0.6244 (0.0001)	4.8098 (< 10^{-41})	[4.1988, 5.4209]	0.9115	-2204.18
Wayuu	F_{ST}	Latitude, waypoints	Mean	0.6330 (0.0001)	4.9311 (< 10^{-42})	[4.3188, 5.5434]	0.9104	-2206.80
Zapotec	F_{ST}	Latitude, waypoints	Mean	0.6373 (0.0001)	4.9458 (< 10^{-43})	[4.3386, 5.5531]	0.9111	-2211.82
Zenu	F_{ST}	Latitude, waypoints	Mean	0.6260 (0.0001)	4.8123 (< 10-41)	[4.2036, 5.4210]	0.9127	-2209.90

Table S7: Estimates of regression coefficients for geographic distance and regression error σ^2 from GESTE, based on genotypes at 678 microsatellite loci in the Eurasian and American samples.

The table reports the mean of parameter estimates for the most-visited model in each continent (the proportion of iterations, among 9999, where the displayed model was visited is shown). 95% high posterior density intervals (HPDIs) are shown in parentheses with the mean estimates for σ^2 and regression coefficients across iterations that visited the most-visited model.

Continent	Number of individuals	Most-visited model	σ^2	Constant	Longitude
Eurasia	740	Longitude only (94.04%)	0.3024 [0.1825, 0.4591]	-3.7640 [-3.9387, -3.5908]	-0.2527 [-0.4243, -0.0796]
America	404	Longitude only (51.82%)	0.8997 [0.419, 1.4023]	-2.8491 [-3.1972, -2.4883]	-0.3740 [-0.6866, -0.0651]

Table S8: Estimates of regression coefficients for geographic distance and regression error σ^2 from GESTE, jackknifing over populations in Eurasia.

The codes for models are as follows: (*i*) constant, (*ii*) constant and latitude, (*iii*) constant and longitude, (*iv*) constant, latitude and longitude. The proportion of times the two most-visited models were chosen, out of 9999 iterations, is shown. Mean estimates and 95% HPDIs for σ^2 and for regression coefficients are given for the most-visited model (note that the best model is the model with a constant and longitude for all jackknife runs except one, where the model chosen is a constant only).

Excluded population	Most-visited model	Second most-visited model	σ^2	Constant	Longitude
Adygei	*iii* (73.73%)	*i* (23.57%)	0.3022 [0.1775, 0.4534]	-3.7497 [-3.9150, -3.5687]	-0.2216 [-0.3762, -0.0547]
Balochi	*iii* (77.02%)	*i* (19.87%)	0.2943 [0.1701, 0.4295]	-3.7501 [-3.9267, -3.5763]	-0.2254 [-0.3770, -0.0597]
Basque	*iii* (90.99%)	*i* (5.81%)	0.2972 [0.1757, 0.4442]	-3.7705 [-3.9384, -3.5852]	-0.2452 [-0.4187, -0.0835]
Bedouin	*iii* (60.91%)	*i* (35.91%)	0.3058 [0.1814, 0.4541]	-3.7674 [-3.9387, -3.5837]	-0.2166 [-0.3703, -0.0544]
Brahui	*iii* (82.89%)	*i* (14.02%)	0.2970 [0.1777, 0.4447]	-3.7561 [-3.9331, -3.5801]	-0.2281 [-0.3992, -0.0724]
Burusho	*iii* (84.13%)	*i* (12.80%)	0.2992 [0.1694, 0.4392]	-3.7503 [-3.9226, -3.5658]	-0.2455 [-0.4059, -0.0840]
Cambodian	*iii* (95.75%)	*iv* (3.12%)	0.3185 [0.1781, 0.4755]	-3.7663 [-3.9439, -3.5824]	-0.2745 [-0.4486, -0.0967]

Dai	*iii* (95.67%)	*iv* (3.03%)	0.3122 [0.1811, 0.4620]	-3.7737 [-3.9519, -3.5968]	-0.2738 [-0.4515, -0.0951]
Daur	*iii* (95.80%)	*iv* (3.07%)	0.3150 [0.1819, 0.4742]	-3.7651 [-3.9496, -3.5812]	-0.2780 [-0.4637, -0.1062]
Druze	*iii* (82.88%)	*i* (14.09%)	0.3027 [0.1716, 0.4481]	-3.7698 [-3.9422, -3.5895]	-0.2260 [-0.3859, -0.0601]
French	*iii* (58.68%)	*i* (38.65%)	0.3007 [0.1766, 0.4411]	-3.7535 [-3.9300, -3.5753]	-0.2071 [-0.3584, -0.0460]
Han	*iii* (96.61%)	*iv* (3.01%)	0.3220 [0.1883, 0.4826]	-3.7684 [-3.9496, -3.5873]	-0.2994 [-0.4770, -0.1095]
Han (N. China)	*iii* (95.90%)	*iv* (2.66%)	0.3144 [0.1862, 0.4771]	-3.7623 [-3.9374, -3.5826]	-0.2835 [-0.4552, -0.1032]
Hazara	*iii* (95.82%)	*iv* (2.60%)	0.2798 [0.1628, 0.4169]	-3.7294 [-3.8943, -3.5572]	-0.2635 [-0.4330, -0.0987]
Hezhen	*iii* (94.36%)	*iv* (2.85%)	0.3131 [0.1853, 0.4696]	-3.7737 [-3.9628, -3.5978]	-0.2647 [-0.4406, -0.0927]
Italian	*iii* (72.83%)	*i* (24.22%)	0.3056 [0.1810, 0.4534]	-3.7553 [-3.9308, -3.5801]	-0.2255 [-0.3828, -0.0659]
Japanese	*iii* (96.28%)	*iv* (3.05%)	0.3202 [0.1869, 0.4798]	-3.7737 [-3.9549, -3.5918]	-0.2876 [-0.4649, -0.1034]
Kalash	*iii* (93.89%)	*i* (3.06%)	0.2717 [0.1574, 0.4103]	-3.7901 [-3.9642, -3.6250]	-0.2462 [-0.4078, -0.0888]
Lahu	*iii* (94.49%)	*iv* (3.03%)	0.2897 [0.1710, 0.4394]	-3.7899 [-3.9688, -3.6231]	-0.2553 [-0.4330, -0.0918]

Makrani	*iii* (80.83%)	*i* (16.13%)	0.2904 [0.1690, 0.4301]	-3.7466 [-3.9100, -3.5659]	-0.2228 [-0.3860, -0.0707]
Miao	*iii* (95.09%)	*iv* (3.02%)	0.3152 [0.1814, 0.4709]	-3.7770 [-3.9522, -3.5928]	-0.2749 [-0.4530, -0.1021]
Mongola	*iii* (96.45%)	*iv* (2.63%)	0.3127 [0.1766, 0.4671]	-3.7587 [-3.9396, -3.5805]	-0.2836 [-0.4578, -0.0988]
Naxi	*iii* (94.32%)	*iv* (3.08%)	0.3106 [0.1820, 0.4636]	-3.7762 [-3.9570, -3.5974]	-0.2709 [-0.4526, -0.1041]
Orcadian	*iii* (83.77%)	*i* (13.61%)	0.2984 [0.1735, 0.4425]	-3.7653 [-3.9421, -3.5859]	-0.2458 [-0.4053, -0.0832]
Oroqen	*iii* (88.51%)	*i* (8.18%)	0.3126 [0.1803, 0.4655]	-3.7767 [-3.9546, -3.5959]	-0.2645 [-0.4287, -0.0876]
Palestinian	*i* (53.95%)	*iii* (43.18%)	0.3498 [0.2056, 0.5287]	-3.7622 [-3.9578, -3.5755]	
Pathan	*iii* (86.82%)	*i* (10.08%)	0.2845 [0.1682, 0.4277]	-3.7413 [-3.9176, -3.5781]	-0.2289 [-0.3892, -0.0650]
Russian	*iii* (64.50%)	*i* (32.32%)	0.3021 [0.1835, 0.4530]	-3.7523 [-3.9208, -3.5713]	-0.2199 [-0.3797, -0.0566]
Sardinian	*iii* (85.44%)	*i* (11.18%)	0.3031 [0.1738, 0.4508]	-3.7676 [-3.9479, -3.5890]	-0.2344 [-0.3975, -0.0658]
She	*iii* (94.06%)	*iv* (3.09%)	0.3072 [0.1789, 0.4617]	-3.7847 [-3.9711, -3.6114]	-0.2608 [-0.4329, -0.0851]

Sindhi	*iii* (77.23%)	*i* (19.88%)	0.2841 [0.1646, 0.4231]	-3.7430 [-3.9176, -3.5803]	-0.2301 [-0.3896, -0.0790]
Tu	*iii* (96.02%)	*iv* (2.88%)	0.3157 [0.1775, 0.4739]	-3.7639 [-3.9462, -3.5846]	-0.2784 [-0.4575, -0.1028]
Tujia	*iii* (95.68%)	*iv* (2.79%)	0.3175 [0.1831, 0.4756]	-3.7692 [-3.9509, -3.5859]	-0.2777 [-0.4594, -0.1029]
Tundra Nentsi	*iii* (95.29%)	*iv* (2.49%)	0.3116 [0.1790, 0.4671]	-3.7653 [-3.9493, -3.5869]	-0.2645 [-0.4390, -0.0946]
Tuscan	*iii* (55.98%)	*i* (41.15%)	0.3013 [0.1824, 0.4479]	-3.7468 [-3.9323, -3.5756]	-0.2166 [-0.3750, -0.0656]
Uygur	*iii* (96.71%)	*iv* (2.86%)	0.2599 [0.1468, 0.3866]	-3.7272 [-3.8863, -3.5614]	-0.2690 [-0.4425, -0.1087]
Xibo	*iii* (95.68%)	*iv* (2.88%)	0.3154 [0.1803, 0.4758]	-3.7636 [-3.9409, -3.5852]	-0.2771 [-0.4502, -0.0970]
Yakut	*iii* (94.80%)	*iv* (2.93%)	0.3104 [0.1731, 0.4603]	-3.7780 [-3.9602, -3.6029]	-0.2627 [-0.4382, -0.0854]
Yi	*iii* (95.80%)	*iv* (2.88%)	0.3156 [0.1833, 0.4706]	-3.7700 [-3.9506, -3.5900]	-0.2784 [-0.4631, -0.1057]

Table S9: Estimates of regression coefficients for geographic distance and regression error σ^2 from GESTE, jackknifing over populations in America.

The codes for models are as follows: (*i*) constant, (*ii*) constant and latitude, (*iii*) constant and longitude, (*iv*) constant, latitude and longitude. The proportion of times the two most-visited models were chosen, out of 9999 iterations, is shown. Mean estimates and 95% HPDIs for σ^2 and for regression coefficients are given for the most-visited model (note that the best model is either the model with only a constant, or the model with a constant and longitude).

Excluded population	Most-visited model	Second most-visited model	σ^2	Constant	Longitude
Ache	*i* (72.18%)	*iii* (20.00%)	0.8897 [0.4627, 1.3836]	-2.9202 [-3.2676, -2.5759]	
Arhuaco	*iii* (48.55%)	*i* (40.46%)	0.9220 [0.4847, 1.4210]	-2.8680 [-3.2320, -2.5118]	-0.3692 [-0.6820, -0.0475]
Aymara	*iii* (57.62%)	*i* (31.77%)	0.8541 [0.4541, 1.3323]	-2.8064 [-3.1401, -2.4535]	-0.3991 [-0.7132, -0.0812]
Cabecar	*iii* (52.47%)	*i* (35.47%)	0.9350 [0.5123, 1.4565]	-2.8607 [-3.2141, -2.4936]	-0.3817 [-0.7360, -0.0746]
Chipewyan	*iii* (62.49%)	*i* (26.54%)	0.9276 [0.4836, 1.4295]	-2.8579 [-3.2196, -2.5209]	-0.4065 [-0.7420, -0.0865]
Cree	*iii* (48.42%)	*i* (40.58%)	0.9425 [0.4855, 1.4621]	-2.8390 [-3.1728, -2.4624]	-0.3546 [-0.6688, -0.0210]
Embera	*iii* (46.74%)	*i* (42.31%)	0.9339 [0.5215, 1.4578]	-2.8544 [-3.2115, -2.5046]	-0.3748 [-0.7131, -0.0478]

Guarani	*iii* (71.15%)	*i* (15.10%)	0.8994 [0.4795, 1.4117]	-2.8336 [-3.2017, -2.4876]	-0.4219 [-0.7453, -0.0813]
Guaymi	*iii* (60.38%)	*i* (27.28%)	0.8927 [0.4848, 1.4003]	-2.8810 [-3.2283, -2.5283]	-0.3875 [-0.6921, -0.0670]
Huilliche	*iii* (46.56%)	*i* (40.46%)	0.8992 [0.4664, 1.3975]	-2.8244 [-3.1560, -2.4571]	-0.3864 [-0.7001, -0.0566]
Inga	*iii* (49.93%)	*i* (39.23%)	0.9205 [0.4844, 1.4329]	-2.8330 [-3.1932, -2.4892]	-0.3807 [-0.7023, -0.0591]
Kaingang	*iii* (48.03%)	*i* (40.61%)	0.9253 [0.5193, 1.4548]	-2.8763 [-3.2364, -2.5292]	-0.3600 [-0.7045, -0.0545]
Kaqchikel	*i* (56.61%)	*iii* (34.11%)	0.9597 [0.4996, 1.4605]	-2.7836 [-3.1581, -2.4301]	
Karitiana	*i* (54.39%)	*iii* (35.66%)	1.0148 [0.5246, 1.5585]	-2.8798 [-3.2567, -2.4969]	
Kogi	*i* (45.84%)	*iii* (43.41%)	1.0399 [0.5453, 1.6175]	-2.8801 [-3.2625, -2.5147]	
Maya	*i* (53.77%)	*iii* (36.28%)	0.9463 [0.5105, 1.4929]	-2.7814 [-3.1297, -2.4165]	
Mixe	*iii* (52.32%)	*i* (36.05%)	0.9165 [0.4842, 1.4215]	-2.8316 [-3.1810, -2.4522]	-0.3784 [-0.6830, -0.0367]
Mixtec	*iii* (49.58%)	*i* (38.40%)	0.9302 [0.4989, 1.4570]	-2.8320 [-3.1726, -2.4674]	-0.3699 [-0.6929, -0.0543]

Ojibwa	*iii* (46.15%)	*i* (27.95%)	0.9424 [0.5056, 1.4796]	-2.8407 [-3.2073, -2.4822]	-0.3703 [-0.6887, -0.0440]
Piapoco	*iii* (51.32%)	*i* (36.82%)	0.9318 [0.5066, 1.4709]	-2.8494 [-3.2008, -2.4989]	-0.3781 [-0.6973, -0.0560]
Pima	*iii* (71.61%)	*iv* (19.17%)	0.8531 [0.4521, 1.3495]	-2.8694 [-3.2212, -2.5349]	-0.4547 [-0.7741, -0.1344]
Quechua	*iii* (59.12%)	*i* (30.02%)	0.7963 [0.4265, 1.2275]	-2.7793 [-3.1179, -2.4673]	-0.3975 [-0.6993, -0.1017]
Surui	*i* (62.73%)	*iii* (27.42%)	0.9529 [0.5130, 1.4606]	-2.9072 [-3.2861, -2.5575]	
Ticuna (Arara)	*iii* (47.08%)	*i* (42.03%)	0.9132 [0.4734, 1.4139]	-2.8863 [-3.2543, -2.5214]	-0.3587 [-0.6550, -0.0131]
Ticuna (Tarapaca)	*iii* (48.48%)	*i* (40.56%)	0.9179 [0.4941, 1.4567]	-2.8737 [-3.2418, -2.5300]	-0.3651 [-0.6924, -0.0395]
Waunana	*iii* (50.01%)	*i* (38.30%)	0.9327 [0.4835, 1.4380]	-2.8523 [-3.2215, -2.5082]	-0.3768 [-0.6933, -0.0254]
Wayuu	*iii* (60.11%)	*i* (24.12%)	0.8979 [0.4691, 1.4070]	-2.8110 [-3.1550, -2.4545]	-0.3917 [-0.6939, -0.0581]
Zapotec	*i* (59.23%)	*iii* (31.46%)	1.0208 [0.5692, 1.5855]	-2.8094 [-3.1607, -2.4282]	
Zenu	*iii* (55.03%)	*i* (32.01%)	0.9323 [0.4840, 1.4353]	-2.8398 [-3.2059, -2.4831]	-0.3785 [-0.7009, -0.0604]