

Table A1: Regressions with nonlinear term and fixed effects
(based on baseline specification of Table IV, column 4)
(refers to footnotes 42 and 45 in the manuscript)

	(1)	(2)	(3)
	Baseline (replicated)	w/ squared GD	Country Fixed Effects
Fst gen. dist. relative to the USA, weighted	6.312 (0.988)**	4.528 (1.934)**	6.824 (0.258)**
Squared Fst gen. dist. Rel. to the USA, weighted		11.563 (11.296)	
Absolute difference in latitudes	0.494 (0.237)**	0.479 (0.237)**	0.093 (0.071)
Absolute difference in longitudes	0.376 (0.224)*	0.393 (0.225)*	-0.099 (0.065)
Geodesic Distance (1000s of km)	-0.081 (0.039)**	-0.083 (0.039)**	-0.052 (0.013)**
1 for contiguity	-0.462 (0.064)**	-0.474 (0.060)**	-0.350 (0.055)**
=1 if either country is an island	0.180 (0.094)*	0.182 (0.093)*	0.077 (0.163)
=1 if either country is landlocked	0.078 (0.076)	0.075 (0.076)	0.337 (0.046)**
=1 if pair shares at least one sea or ocean	-0.024 (0.062)	-0.028 (0.062)	0.060 (0.031)*
Freight rate (surface transport)	1.282 (1.568)	1.306 (1.592)	3.345 (0.538)**
Constant	0.675 (0.263)**	0.713 (0.264)**	1.010 (0.111)**
Standardized Beta (%)	33.41%	23.97%	36.12%
R-Squared	0.13	0.13	0.37

Standard errors in parentheses; * significant at 10%; ** significant at 5%

Column (3) includes country 1 and country 2 fixed effects, estimates are heteroskedasticity-robust (not two-way clustered due to singularity)

Columns (1) and (2) are with two-way clustered standard errors.

9,316 observations from 137 countries.

**Table A2. Replicating column 4 of Table IV, excluding all Sub-Saharan African countries
(refers to page 23 of the manuscript)**

	Exclude Sub-Saharan Africa
Fst gen. dist. relative to the USA, weighted	5.430 (1.475)**
Absolute difference in latitudes	0.255 (0.229)
Absolute difference in longitudes	0.484 (0.241)**
Geodesic Distance (1000s of km)	-0.055 (0.029)*
1 for contiguity	-0.475 (0.058)**
=1 if either country is an island	0.009 (0.088)
=1 if either country is landlocked	0.269 (0.092)**
=1 if pair shares at least one sea or ocean	-0.050 (0.067)
Freight rate (surface transport)	-0.211 (0.825)
Constant	0.868 (0.144)**
Standardized Beta (%)	32.11%
R-Squared	0.10

Two-way clustered standard errors in parentheses; * significant at 10%; ** significant at 5%
4,656 observations from 97 countries – all countries in the main sample, excluding Sub-Saharan Africa.

Table A3 - Controlling for geographic distance relative to the USA (two-way clustered standard errors)
(Dependent variable: absolute value of log income differences, 1995)
(refers to page 24 of the manuscript)

	(1)	(2)	(3)	(4)
	Baseline	Add micro-geography controls	Add transport costs	Continent dummies
F_{ST} gen. dist. relative to the USA, weighted	6.357 (0.996)**	6.518 (0.986)**	6.533 (0.982)**	4.371 (1.051)**
Latitude difference, relative to USA		-0.606 (0.178)**	-0.578 (0.180)**	-0.528 (0.180)**
Longitude difference, relative to USA		-0.140 (0.064)**	-0.168 (0.061)**	0.062 (0.113)
Geodesic Distance, relative to USA		0.020 (0.014)	0.004 (0.018)	-0.008 (0.016)
Freight cost (surface transport), relative to the USA			1.035 (0.623)*	0.581 (0.526)
Constant	0.893 (0.052)**	0.960 (0.084)**	0.936 (0.084)**	1.982 (0.268)**
Standardized Beta (%)	33.65%	34.50%	34.58%	23.14%
R-Squared	0.11	0.14	0.14	0.23

Two-way clustered standard errors in parentheses; * significant at 10%; ** significant at 5%

9,316 observations from 137 countries in all columns

All regressions include the following additional controls (estimates not reported): dummy for contiguity, dummy if either country is an island, dummy if either country is landlocked, dummy for common sea or ocean.

Column (5) includes two set of continent dummies (estimates not reported): a set of dummies each equal to 1 if both countries in a pair are on the same given continent; and a set of dummies each equal to one if exactly one country belongs to a given continent, and the other not. Continents are defined as Europe, Africa, Latin America, North America, Asia and Oceania.

**Table A4 - Controlling for weighted lexicostatistical distance measures (two-way clustered standard errors).
World sample. Dependent variable: absolute value of log income differences, 1995
(refers to footnote 60 in the manuscript)**

	(1)	(2)
	Baseline	% cognate, weighted
F_{ST} gen. dist. relative to the USA, weighted	7.869 (2.521)**	7.591 (2.548)**
1 if countries were or are the same country	-0.187 (0.127)	-0.111 (0.122)
1 for pairs ever in colonial relationship	0.002 (0.126)	0.070 (0.147)
1 for common colonizer post 1945	-0.145 (0.198)	-0.089 (0.187)
1 for pairs currently in colonial relationship	^a	^a
1-% cognate, relative to USA, weighted		0.515 (0.235)**
1-% cognate, relative to USA, plurality		
Constant	0.903 (0.286)**	0.767 (0.275)**
# observations	903	903
# countries	43	43
Standardized Beta (%)	30.91%	29.82%
R-Squared	0.16	0.19

Two-way clustered standard errors in parentheses; * significant at 10%; ** significant at 5%

All columns include geographic controls, i.e. absolute difference in latitudes, absolute difference in longitudes, geodesic distance, dummy for contiguity, dummy=1 if either country is an island, dummy=1 if either country is landlocked, dummy=1 if pair shares at least one sea or ocean, freight rate for surface transport (estimates not reported).

^a: Dropped due to singularity (no observations with current colonial relationships in the subsample).

**Table A5 - Regressions using population density as the dependent variable
(two-way clustered standard errors)
(refers to footnote 63 in the manuscript)**

	(1)	(2)
	Density 1500	Density 1700
Relative Fst genetic distance to the UK, 1500 match	11.447 (5.337)**	12.328 (5.455)**
Absolute difference in latitudes	2.926 (1.992)	1.904 (1.894)
Absolute difference in longitudes	0.346 (1.840)	0.207 (2.124)
Geodesic Distance (1000s of km)	-0.412 (0.249)*	-0.516 (0.221)**
1 for contiguity	-1.011 (0.420)**	-1.212 (0.318)**
=1 if either country is an island	-0.169 (0.517)	0.247 (0.563)
=1 if either country is landlocked	0.220 (.)	0.262 (.)
=1 if pair shares at least one sea or ocean	0.981 (0.341)**	1.240 (0.374)**
Freight rate (surface transport)	18.870 (7.810)**	25.981 (8.401)**
Constant	-2.345 (1.320)*	-3.478 (1.354)**
# Observations	325	406
# Countries	26	29
Standardized Beta (%)	31.05%	30.52%
R-Squared	0.35	0.35

Two-way clustered standard errors in parentheses; * significant at 10%; ** significant at 5%

**Table A6: Changing baseline country for relative measures, and adding relative geographic distance, Europe dataset
(two-way clustered standard errors) Dependent variable: absolute value of log income differences, 1995
(refers to footnotes 69 and 71 in the manuscript)**

	(1)	(2)	(3)	(4)	(5)	(6)
	Relative to Germany	Relative to Germany	Relative to UK	Relative to UK	Relative to USA	Relative to USA
Fst genetic distance, relative	58.117 (25.774)**	68.702 (23.705)**	48.558 (22.407)**	48.005 (18.706)**	37.719 (19.605)*	40.904 (20.397)**
Geodesic distance, relative	-0.144 (0.150)	-0.102 (0.144)	-0.090 (0.121)	-0.014 (0.134)	0.098 (0.150)	0.065 (0.179)
Latitude difference, relative	-1.582 (1.000)	-1.862 (0.950)*	-2.279 (1.237)*	-2.524 (1.468)*	-0.007 (0.006)	-0.008 (0.009)
Longitude difference, relative	0.260 (0.178)	0.241 (0.195)	0.305 (0.165)*	0.205 (0.212)	0.002 (0.004)	0.002 (0.004)
Freight cost, surface transport, relative	-0.000 (0.001)	-0.001 (0.001)	-0.001 (0.001)	-0.002 (0.005)	-0.003 (0.002)*	-0.003 (0.002)
Average elevation between countries	-0.117 (0.182)	0.096 (0.269)	-0.024 (0.175)	0.088 (0.232)	-0.212 (0.200)	-0.119 (0.199)
Linguistic distance, plurality languages, relative		-0.139 (0.114)		0.176 (0.908)		-0.222 (0.138)
Religious distance, plurality religions, relative		0.226 (0.266)		0.169 (0.261)		0.163 (0.176)
Constant	0.635 (0.184)**	0.434 (0.175)**	0.526 (0.196)**	0.447 (0.194)**	0.559 (0.235)**	0.519 (0.272)*
# of observations	325	300	325	300	325	300
# of countries	26	25	26	25	26	25
Standardized beta	51.15%	61.87%	42.73%	43.23%	33.19%	36.84%
R-Squared	0.19	0.23	0.23	0.23	0.22	0.22

Two-way clustered standard errors in parentheses; * significant at 10%; ** significant at 5%;

All regressions include the following additional controls (estimates not reported): dummy for contiguity, dummy if either country is an island, dummy if either country is landlocked, dummy for common sea or ocean.

Table A7 - Results for the European sample - Germany baseline (two-way clustered standard errors)
Dependent variable: Difference in log per capita income across pairs (in 1995 for columns 1-4, in 1870 for column 5)
(refers to footnote 69 in the manuscript)

	(1)	(2)	(3)	(4)	(5)
	No controls, simple GD	No controls, relative GD	Add distance metrics	Add micro- geography	1870 Income data
Fst genetic distance in Europe	28.134 (14.605)*				
Genetic Distance, relative to Germany		54.848 (25.434)**	56.052 (24.457)**	46.911 (20.931)**	48.174 (11.513)**
Absolute difference in latitudes			-0.778 (0.724)	-1.149 (0.820)	0.347 (1.238)
Absolute difference in longitudes			0.237 (0.157)	0.171 (0.167)	1.289 (1.067)
Geodesic Distance (1000s of km)			0.016 (0.090)	-0.352 (0.341)	-0.148 (0.191)
1 for contiguity				-0.142 (0.060)**	-0.197 (0.057)**
=1 if either country is an island				-0.168 (0.106)	-0.107 (0.115)
=1 if either country is landlocked				0.029 (0.207)	^a
=1 if pair shares at least one sea or ocean				-0.242 (0.161)	-0.095 (0.070)
Average elevation between countries				-0.117 (0.236)	-0.139 (0.137)
Freight rate (surface transport)				19.521 (16.891)	-2.557 (6.100)
Constant	0.378 (0.099)**	0.399 (0.082)**	0.395 (0.108)**	-2.470 (2.635)	0.907 (0.961)
# of observations	325	325	325	325	171
# of countries	26	26	26	26	19
Standardized beta	31.69%	48.27%	49.33%	41.28%	71.67%
R-Squared	0.10	0.11	0.12	0.19	0.32

Two-way clustered standard errors in parentheses; * significant at 10%; ** significant at 5%

^a: dropped due to singularity

Table A8: Controlling for cultural distance in the Europe dataset, Germany baseline (two-way clustered standard errors)
Dependent variable: Difference in log per capita income across pairs in 1995
(refers to footnote 69 in the manuscript)

	(1)	(2)	(3)	(4)	(5)	(6)
	Baseline	Linguistic distance	Religious distance	Both measures, weighted	% cognate, plurality	% cognate, plurality
Genetic Distance, relative to German population	60.577 (22.903)**	62.492 (23.936)**	60.524 (23.312)**	61.642 (24.003)**	48.291 (21.439)**	46.437 (22.277)**
Linguistic distance, plurality languages, relative to German		-0.151 (0.088)*		-0.175 (0.112)		
Religious distance, plurality religions, relative to Lutherans			0.005 (0.193)	0.118 (0.215)		
1-% cognate, plurality languages, relative to German						0.123 (0.145)
Constant	-1.473 (2.159)	-1.359 (2.181)	-1.473 (2.162)	-1.338 (2.186)	-1.668 (2.598)	-1.755 (2.534)
# of observations	300	300	300	300	276	276
# of countries	25	25	25	25	24	24
Standardized beta	54.55	56.28	54.51	55.51	43.13	41.47
R-Squared	0.21	0.22	0.21	0.22	0.21	0.21

Two-way clustered standard errors in parentheses; * significant at 10%; ** significant at 5%

All columns include the following controls (estimates not reported): absolute difference in latitudes, absolute difference in longitudes, geodesic distance, dummy for contiguity, dummy=1 if either country is an island, dummy=1 if either country is landlocked, dummy=1 if pair shares at least one sea or ocean, average elevation between countries, freight rate (surface transport).

Compared to Table 12, in columns (1)-(4) Iceland is dropped due to missing data on linguistic and religious distance from Fearon. In columns (5) and (6) Hungary and Finland are dropped because their languages are not Indo-European, and thus not part of the lexicostatistical dataset.

**Table A9 – Summary statistics for the European dataset
(refers to footnote 70 in the manuscript)**

a. Correlations between the main variables

	Abs. log income diff., 1995	F_{ST} Genetic Distance	F_{ST} Genetic distance, rel. to the English	Geodesic Distance	Freight cost (surface transport)	Linguistic dist., rel. to the English language
F _{ST} Genetic Distance	0.328	1				
F _{ST} Genetic Distance, relative to the English population	0.409	0.647	1			
Geodesic Distance	0.076	0.433	0.260	1		
Freight cost (surface transport)	0.119	0.463	0.303	0.968	1	
Linguistic distance, relative to the English language	-0.068	-0.123	0.066	-0.032	-0.030	1
Religious distance, relative to the Lutheran religion	0.030	-0.053	0.002	0.037	0.059	0.047

300 observations from 25 countries

b. Summary statistics

Variable	Mean	Std. Dev.	Min	Max
Abs. log income difference, 1995	0.671	0.579	0.004	2.592
F _{ST} Genetic Distance	0.009	0.006	0.000	0.029
F _{ST} Genetic Distance, relative to the English population	0.006	0.005	0.000	0.020
Geodesic Distance	1.309	0.689	0.060	3.913
Freight cost (surface transport)	0.183	0.014	0.159	0.237
Linguistic distance, relative to the English language	0.108	0.251	0.000	1.000
Religious distance, relative to the Lutheran religion	0.210	0.206	0.000	1.000

300 observations from 25 countries

**Table A10 – Replication of Fearon regressions, English reference
(refers to footnote 73 in the manuscript)**

	(1)	(2)	(3)	(4)
	Model 1	Model 2	Model 4	Model 4
Fst genetic distance to the English population	-699.475 (272.175)**	-699.050 (277.550)**	-666.027 (294.175)**	-733.665 (282.843)**
Geodesic Distance (1000s of km)	-2.374 (1.905)	-2.584 (2.028)	-1.471 (2.184)	-2.710 (2.054)
Linguistic distance plurality languages, to English		1.450 (3.150)		1.923 (3.156)
1 - %cognate, plurality groups, to English			-5.763 (6.598)	
Constant	23.986 (1.675)**	22.913 (1.947)**	26.058 (3.410)**	22.846 (1.849)**
Observations	25	25	23	23
Adjusted R-squared	0.44	0.42	0.48	0.46

Robust standard errors in parentheses; * significant at 10%; ** significant at 5%

Iceland is missing from the samples in column 1 and 2 due to lack of linguistic and religious distance data.

Iceland, Hungary and Finland are missing from the samples in columns 3 and 4 due to lack of linguistic and lexicostatistical data.

Model 4 runs the specification of column 2 with the sample of column 3, as in Fearon (2006), for comparison.

**Table A11. Same as Table A10, excluding Serbia/Montenegro (which is missing from Fearon's sample)
(refers to footnote 73 in the manuscript)**

	(1)	(2)	(3)	(4)
	Model 1	Model 2	Model 4	Model 4
Fst genetic distance to the English population	-579.252 (261.203)**	-579.218 (267.452)**	-547.246 (282.169)*	-619.363 (274.761)**
Geodesic Distance (1000s of km)	-2.733 (1.846)	-2.918 (1.958)	-1.737 (2.123)	-2.981 (1.997)
Linguistic distance plurality languages, to English		1.283 (3.105)		1.783 (3.080)
1 - %cognate, plurality groups, to English			-5.947 (6.704)	
Constant	23.907 (1.614)**	22.959 (1.993)**	26.016 (3.460)**	22.852 (1.861)**
Observations	24	24	22	22
Adjusted R-squared	0.39	0.36	0.43	0.40

Robust standard errors in parentheses; * significant at 10%; ** significant at 5%

Iceland is missing from the samples in column 1 and 2 due to lack of linguistic and religious distance data.

Iceland, Hungary and Finland are missing from the samples in columns 3 and 4 due to lack of linguistic and lexicostatistical data.

Model 4 runs the specification of column 2 with the sample of column 3, as in Fearon (2006), for comparison.

**Table A12 - Assessing how much R² increases from the inclusion of genetic distance – World sample
(baseline specification of Table VII, column 3)**

	(1)	(2)
	Without GD	With GD
Fst gen. dist. relative to the USA, weighted		5.827 (0.944)**
Absolute difference in latitudes	0.398 (0.228)*	0.275 (0.210)
Absolute difference in longitudes	-0.367 (0.179)**	0.117 (0.168)
Geodesic Distance (1000s of km)	0.021 (0.033)	-0.048 (0.035)
1 for contiguity	-0.534 (0.068)**	-0.402 (0.065)**
=1 if either country is an island	-0.027 (0.109)	0.069 (0.097)
=1 if either country is landlocked	0.138 (0.082)*	0.088 (0.075)
=1 if pair shares at least one sea or ocean	-0.081 (0.060)	-0.094 (0.055)*
Freight rate (surface transport)	-0.322 (1.306)	0.608 (1.482)
1 if countries were or are the same country	-0.337 (0.084)**	-0.223 (0.087)**
1 for pairs ever in colonial relationship	0.316 (0.151)**	0.255 (0.134)*
1 for common colonizer post 1945	-0.188 (0.074)**	-0.214 (0.063)**
1 for pairs currently in colonial relationship	-0.909 (0.223)**	-0.823 (0.200)**
Linguistic distance index, relative to USA, weighted	1.086 (0.204)**	0.815 (0.204)**
Constant	1.227 (0.215)**	0.849 (0.246)**
Standardized Beta (%)	-	30.84%
R-Squared	0.08	0.16

Two-way clustered standard errors in parentheses; * significant at 10%; ** significant at 5%; 9316 observations from 137 countries.

**Table A13 - Assessing how much R2 increases from the inclusion of genetic distance - European sample
(baseline specification of Table X, column 2)**

	(1)	(2)
	Without GD	With GD
Genetic distance, relative to the English		42.766 (19.223)**
Absolute difference in latitudes	-1.311 (0.915)	-0.837 (0.651)
Absolute difference in longitudes	0.110 (0.173)	0.270 (0.123)**
Geodesic Distance (1000s of km)	-0.515 (0.392)	-0.319 (0.288)
1 for contiguity	-0.286 (0.082)**	-0.193 (0.076)**
=1 if either country is landlocked	-0.088 (0.233)	0.072 (0.179)
=1 if pair shares at least one sea or ocean	-0.289 (0.177)	-0.094 (0.132)
Average elevation between countries	0.258 (0.272)	0.003 (0.203)
Freight rate (surface transport)	26.079 (18.946)	12.861 (12.408)
Linguistic distance, plurality languages, relative to English	-0.154 (0.162)	-0.221 (0.114)*
Constant	-3.275 (2.927)	-1.466 (1.975)
Standardized beta	-	38.51%
R-Squared	0.12	0.22

Two-way clustered standard errors in parentheses; * significant at 10%; ** significant at 5%
300 observations from 25 countries.

Figure 4 – Log Income in 1995 and Genetic Distance to the English, Europe Dataset

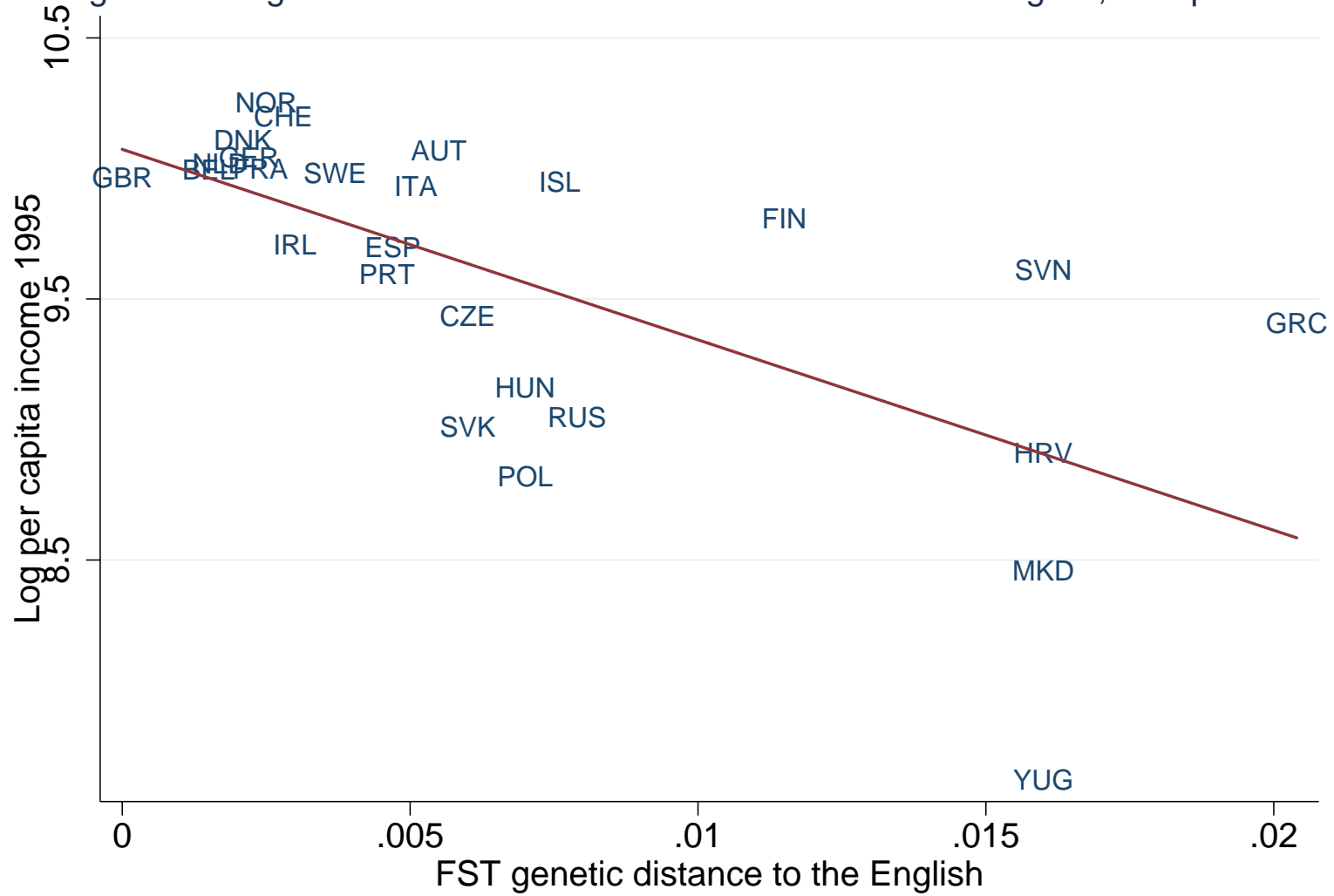


Figure 4b – Log Income in 1995 and Genetic Distance to Germany, Europe Sample

