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Persistence of fortune: Accounting for population movements, there was no post-columbian reversal

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Appendix for Chanda, Cook, and Putterman (2013) For Online Availability, Not for Publication

Contents

Appendix Tables	2
Notes on 1500-1960 Migration Matrix	8
Country Appendix	11

List of Tables

1	Table A.1: Summary Statistics for Base Sample	2
2	Table A2: Persistence with Low Migration Samples	3
3	Table A3.A: Omitted Variable Robustness for Sample Truncations (Migration Weighted Measures Only)	4
4	Table A3.B: Omitted Variable Robustness for Sample Truncations (Migration Weighted Measures Only)	5
5	Table A4: Omitted Variable Robustness for Alternative Years (Migration Weighted Measures Only)	6
6	Table A5: Persistence and Alternative Indicators of Development	7
7	List of Included Countries, with Sub-Sample Indicators	11

Appendix Tables

Table A.1: Summary Statistics for Base Sample

Variable	N	Mean	Std. Dev.	Min	Max
Urbanization:					
Log GDP per Capita 1995	28	8.267736	0.8172881	6.877296	10.14643
Urbanization in 1500 CE	28	7.98	4.719311	0	17.79
Migration Weighted Urbanization	28	10.5512	3.021786	3	17.37592
Population Density:					
Log GDP per Capita 1995	81	7.862004	1.008444	6.109248	10.21574
ln Population Density in 1500 CE	81	0.4978884	1.614025	-3.830918	4.609731
Migration Weighted ln Population Density	81	1.42751	1.030853	-1.044074	4.501459
Millennia of Agriculture:					
Log GDP per Capita 1995	80	7.86798	1.013363	6.109248	10.21574
Millennia of Agriculture	80	3.331725	1.601772	0.4	9
Migration Weighted Millennia of Agriculture	80	4.349419	1.76661	1.35699	8.96
State History:					
Log GDP per Capita 1995	77	7.873915	1.012022	6.109248	10.21574
State History in 1500 CE	77	0.2229487	0.3038295	0	1
Migration Weighted State History	77	0.3626457	0.2759925	0	1
Technology:					
Log GDP per Capita 1995	62	7.824902	0.9303012	6.109248	10.14643
Technology in 1500 CE	62	0.3346774	0.2409292	0	0.8833333
Migration Weighted Technology	62	0.4781782	0.2232744	0.1570334	0.8899383

Table A2: Persistence with Low Migration Samples

Sample:	Dependent Variable: Log of GDP per capita (PPP) in 1995							
	Colonized Excl. Americas (1)	(2)	(3)	(4)	(5)	Non-Eur. Excl. Americas (6)	Non-Eur. Low Migration (7)	(8)
<i>Panel A: Urbanization</i>								
Urbanization in 1500	-0.0730 (0.0603)		0.0529 (0.0364)		-0.0868 (0.0544)		0.0127 (0.0444)	
Mig. Weighted Urbanization		0.0886 (0.0555)		0.0533 (0.0382)		0.0444 (0.0553)		0.0108 (0.0464)
<i>N</i>	15	15	12	12	17	17	14	14
<i>R</i> ²	0.1053	0.1067	0.1673	0.1606	0.1260	0.0233	0.0041	0.0028
<i>Panel B: Population Density</i>								
In Pop. Den. in 1500	-0.3166*** (0.0856)		0.0782 (0.0733)		-0.1431 (0.1026)		0.1669 (0.1060)	
Mig. Weighted In Pop. Den.		0.0987 (0.1162)		0.0793 (0.0749)		0.1855* (0.0982)		0.1805* (0.1050)
<i>N</i>	56	56	37	37	80	80	55	55
<i>R</i> ²	0.2755	0.0144	0.0276	0.0277	0.0475	0.0495	0.0728	0.0822
<i>Panel C: Millennia of Agriculture</i>								
Millennia of Agriculture	-0.0423 (0.0703)		0.0809* (0.0399)		0.0972** (0.0453)		0.1330*** (0.0350)	
Mig. Weighted Millennia of Agr.		0.2105** (0.0853)		0.0840** (0.0402)		0.1916*** (0.0431)		0.1381*** (0.0360)
<i>N</i>	55	55	37	37	79	79	55	55
<i>R</i> ²	0.0061	0.1653	0.0656	0.0700	0.0594	0.1990	0.1473	0.1545
<i>Panel D: State History</i>								
State History in 1500	0.2947 (0.4680)		0.4927 (0.3523)		0.7468* (0.4006)		1.1241*** (0.3708)	
Mig. Weighted State Hist.		1.2018** (0.5027)		0.4953 (0.3591)		1.4623*** (0.4003)		1.1451*** (0.3808)
<i>N</i>	53	53	36	36	73	73	53	53
<i>R</i> ²	0.0097	0.1550	0.0826	0.0815	0.0600	0.2075	0.2063	0.2078
<i>Panel E: Technology</i>								
Technology in 1500	0.9924 (0.6810)		0.7554 (0.4451)		1.5859*** (0.5256)		1.8306*** (0.4691)	
Mig. Weighted Tech.		1.3317* (0.6988)		0.8016* (0.4540)		1.8581*** (0.5277)		1.8904*** (0.4776)
<i>N</i>	44	44	30	30	54	54	40	40
<i>R</i> ²	0.0681	0.1152	0.0808	0.0945	0.1707	0.2188	0.2666	0.2764

Table A3.A: Omitted Variable Robustness for Sample Truncations
(Migration Weighted Measures Only)

Sample:	Dependent Variable: Log GDP per capita (PPP) 1995									
	Americas Only					High Immigration				
Controls:	(1) Latitude	(2) Climate	(3) Resources	(4) Colonizer	(5) Religion	(6) Latitude	(7) Climate	(8) Resources	(9) Colonizer	(10) Religion
	<i>Panel A: Urbanization</i>									
MW Urbanization	0.0460 (0.0554)	-1.1486 (0.0000)	0.2186 (0.1621)	0.0634 (0.0817)	0.0125 (0.0910)	0.0678 (0.0699)	0.4239 (0.2370)	0.0378 (0.0742)	0.0963 (0.0814)	0.0326 (0.0757)
<i>N</i>	13	13	13	13	13	16	16	16	16	16
<i>R</i> ²	0.3712	1.0000	0.6547	0.0563	0.3303	0.0481	0.9841	0.7888	0.5046	0.6798
	<i>Panel B: Population Density</i>									
MW Pop. Den.	0.5308** (0.1948)	1.1554*** (0.3246)	0.5052** (0.2196)	0.7314*** (0.1518)	0.8486*** (0.2116)	0.4222** (0.1945)	0.4280 (0.2745)	0.3705 (0.2711)	0.4637** (0.1752)	0.4856** (0.1911)
<i>N</i>	25	25	25	25	25	44	44	44	44	44
<i>R</i> ²	0.4512	0.8535	0.7422	0.4396	0.4258	0.3417	0.5350	0.4638	0.3622	0.3459
	<i>Panel C: Millennia of Agriculture</i>									
MW Mill. of Agr.	0.3346*** (0.1186)	0.4557** (0.1983)	0.3154*** (0.1052)	0.4244*** (0.0917)	0.6227*** (0.1038)	0.3480*** (0.0852)	0.3711*** (0.1025)	0.3156*** (0.0899)	0.3670*** (0.0879)	0.4528*** (0.1021)
<i>N</i>	25	25	25	25	25	43	43	43	43	43
<i>R</i> ²	0.4998	0.7833	0.7739	0.4533	0.6159	0.5230	0.7224	0.6408	0.4838	0.5852
	<i>Panel D: State History</i>									
MW State Hist.	1.5074 (1.2492)	0.3308 (2.0336)	1.5351 (1.0492)	2.1490* (1.1305)	2.5082* (1.2783)	2.7872*** (0.5628)	2.8149*** (0.9288)	2.6213*** (0.6089)	2.8859*** (0.6404)	2.9823*** (0.5328)
<i>N</i>	24	24	24	24	24	41	41	41	41	41
<i>R</i> ²	0.3906	0.7044	0.7014	0.3461	0.3320	0.5530	0.7257	0.6789	0.5410	0.6059
	<i>Panel E: Technology</i>									
MW Tech.	1.4681** (0.5463)	4.5924* (1.8175)	1.4655 (0.9918)	1.7616*** (0.3829)	1.5046** (0.6178)	2.3583*** (0.7301)	2.4960** (1.1563)	1.7767* (0.9052)	2.3831*** (0.7702)	2.5367*** (0.7301)
<i>N</i>	18	18	18	18	18	32	32	32	32	32
<i>R</i> ²	0.2489	0.9432	0.5832	0.2921	0.4170	0.3698	0.6649	0.6115	0.3907	0.5367

Table A3.B: Omitted Variable Robustness for Sample Truncations
(Migration Weighted Measures Only)

Sample:	Dependent Variable: Log GDP per capita (PPP) 1995									
	Excluding Neo-Europes and City-States					Including Non-Colonies				
Controls:	(1) Latitude	(2) Climate	(3) Resources	(4) Colonizer	(5) Religion	(6) Latitude	(7) Climate	(8) Resources	(9) Colonizer	(10) Religion
<i>Panel A: Urbanization</i>										
MW Urbanization	0.0716 (0.0499)	-0.0215 (0.0688)	0.0441 (0.0520)	0.0848** (0.0386)	0.0628 (0.0378)	0.0532 (0.0626)	0.0491 (0.0884)	0.0809 (0.0594)	0.0779 (0.0641)	0.0836* (0.0407)
<i>N</i>	26	26	26	26	26	30	30	30	30	30
<i>R</i> ²	0.1136	0.7628	0.2768	0.3627	0.2936	0.0367	0.5330	0.3937	0.1223	0.1926
<i>Panel B: Population Density</i>										
MW Pop. Den.	0.0255 (0.0927)	0.1134 (0.1108)	0.0095 (0.0924)	0.0446 (0.0914)	0.0874 (0.1167)	0.2285*** (0.0847)	0.2339*** (0.0856)	0.0915 (0.0990)	0.2311*** (0.0839)	0.2791*** (0.0962)
<i>N</i>	75	75	75	75	75	105	105	105	105	105
<i>R</i> ²	0.0674	0.4495	0.2655	0.3957	0.2202	0.1714	0.3803	0.3377	0.3036	0.1044
<i>Panel C: Millennia of Agriculture</i>										
MW Mill. of Agr.	0.1837*** (0.0684)	0.2032*** (0.0518)	0.1951*** (0.0722)	0.0982 (0.0616)	0.2399*** (0.0665)	0.1778*** (0.0531)	0.2063*** (0.0548)	0.1799*** (0.0412)	0.1508*** (0.0458)	0.3098*** (0.0462)
<i>N</i>	74	74	74	74	74	104	104	104	104	104
<i>R</i> ²	0.1887	0.5488	0.3861	0.4217	0.3731	0.2164	0.4296	0.4699	0.3224	0.3409
<i>Panel D: State History</i>										
MW State Hist.	0.6251 (0.4718)	0.6394 (0.5234)	0.5391 (0.4367)	0.7632** (0.3353)	1.2596*** (0.4002)	1.3178*** (0.4586)	1.3204** (0.5611)	0.9470** (0.4034)	1.5363*** (0.3610)	2.2361*** (0.3946)
<i>N</i>	71	71	71	71	71	97	97	97	97	97
<i>R</i> ²	0.0879	0.4886	0.3237	0.4385	0.3442	0.2042	0.4183	0.4367	0.3630	0.3583
<i>Panel E: Technology</i>										
MW Tech.	1.2808** (0.5094)	1.4155*** (0.5079)	1.2435** (0.5748)	0.6588 (0.4899)	1.6916*** (0.4103)	1.9682*** (0.5023)	2.1135*** (0.5613)	1.8480*** (0.5620)	1.7095*** (0.4838)	2.6412*** (0.4227)
<i>N</i>	60	60	60	60	60	72	72	72	72	72
<i>R</i> ²	0.1475	0.5474	0.3444	0.4549	0.4314	0.2552	0.5565	0.4357	0.4211	0.3745

Table A4: Omitted Variable Robustness for Alternative Years
(Migration Weighted Measures Only)

Dependent Variable:	Log GDP per capita (PPP) 1960				Log GDP per capita (PPP) 2009					
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Controls:	Latitude	Climate	Resources	Colonizer	Religion	Latitude	Climate	Resources	Colonizer	Religion
<i>Panel A: Urbanization</i>										
MW Urbanization	0.0974 (0.0612)	0.0989 (0.0697)	0.0498 (0.0826)	0.0907 (0.0556)	0.1117*** (0.0326)	0.1319** (0.0539)	0.0870 (0.1221)	0.0907 (0.0618)	0.1340** (0.0592)	0.1402*** (0.0395)
<i>N</i>	25	25	25	25	25	28	28	28	28	28
<i>R</i> ²	0.1424	0.7193	0.2965	0.5615	0.6070	0.2001	0.4837	0.3925	0.2364	0.3403
<i>Panel B: Population Density</i>										
MW Pop. Den.	0.1817 (0.1296)	0.2310* (0.1284)	0.0992 (0.1078)	0.2417* (0.1220)	0.3836*** (0.1274)	0.2141 (0.1348)	0.2965** (0.1484)	0.1363 (0.1233)	0.2404* (0.1269)	0.4235*** (0.1535)
<i>N</i>	72	72	72	72	72	80	80	80	80	80
<i>R</i> ²	0.1711	0.4516	0.4513	0.3320	0.3610	0.1858	0.4233	0.4061	0.3344	0.2023
<i>Panel C: Millennia of Agriculture</i>										
MW Mill. of Agr.	0.2398*** (0.0745)	0.2573*** (0.0502)	0.1833*** (0.0656)	0.2045** (0.0812)	0.3468*** (0.0708)	0.3234*** (0.0843)	0.3373*** (0.0742)	0.2793*** (0.0746)	0.2798*** (0.0874)	0.4517*** (0.0849)
<i>N</i>	71	71	71	71	71	79	79	79	79	79
<i>R</i> ²	0.3017	0.5565	0.5374	0.3716	0.5388	0.3626	0.5653	0.5593	0.4265	0.4450
<i>Panel D: State History</i>										
MW State Hist.	0.8965* (0.5123)	0.6602 (0.5593)	0.4318 (0.4559)	1.2721** (0.4916)	2.0144*** (0.4116)	1.6758*** (0.5930)	1.6296** (0.6513)	1.3254** (0.5147)	1.9837*** (0.4875)	2.7883*** (0.4854)
<i>N</i>	70	70	70	70	70	76	76	76	76	76
<i>R</i> ²	0.1826	0.4412	0.4730	0.3525	0.4836	0.2727	0.4869	0.5044	0.4475	0.4241
<i>Panel E: Technology</i>										
MW Tech.	1.9036*** (0.4609)	1.8792*** (0.4414)	1.8362*** (0.4666)	1.2257** (0.5364)	1.8484*** (0.4292)	2.4192*** (0.6454)	2.5424*** (0.6982)	2.1561*** (0.6245)	1.9087*** (0.6812)	2.8068*** (0.5946)
<i>N</i>	54	54	54	54	54	61	61	61	61	61
<i>R</i> ²	0.2323	0.6405	0.5101	0.5774	0.5870	0.2645	0.5411	0.4599	0.4785	0.4027

Table A5: Persistence and Alternative Indicators of Development

Dependent Variable:	Protection from Expropriation (1995)	Avg. of WGI (2010)	Years of Schooling (2010)			
	(1)	(2)	(3)	(4)	(5)	(6)
<i>Panel A: Urbanization</i>						
Urbanization in 1500	-0.0587 (0.0389)		-0.0647** (0.0296)		-0.1122* (0.0616)	
Mig. Weighted Urb. in 1500		0.2716 (0.1749)		0.1442 (0.1094)		0.6493* (0.3602)
<i>N</i>	30	30	30	30	30	30
<i>R</i> ²	0.0611	0.0069	0.1630	0.0500	0.0739	0.0249
<i>Panel B: Population Density</i>						
In Pop. Den. in 1500	-0.3802*** (0.1010)		-0.2997*** (0.0509)		-0.7382*** (0.1533)	
Mig. Weighted ln Pop. Den. 1500		0.2716 (0.1749)		0.1802 (0.1120)		0.5193 (0.3704)
<i>N</i>	64	64	64	64	64	64
<i>R</i> ²	0.2176	0.0400	0.4057	0.0339	0.2341	0.0653
<i>Panel C: Millennia of Agriculture</i>						
Millennia of Agriculture	-0.1047 (0.1188)		-0.1396** (0.0626)		-0.2658 (0.1782)	
Mig. Weighted Millennia of Agr.		0.2369** (0.0903)		0.1537** (0.0659)		0.6041*** (0.1977)
<i>N</i>	64	64	64	64	64	64
<i>R</i> ²	0.0157	0.0899	0.0838	0.1135	0.0289	0.1669
<i>Panel D: State History</i>						
State History in 1500	-0.6144 (0.5087)		-0.4857 (0.3507)		-0.7358 (1.0514)	
Mig. Weighted State Hist. in 1500		1.2243* (0.6258)		0.8138** (0.4048)		3.3064*** (1.1615)
<i>N</i>	63	63	63	63	63	63
<i>R</i> ²	0.0192	0.0575	0.0360	0.0762	0.0079	0.1207
<i>Panel E: Technology</i>						
Technology in 1500	0.2486 (0.6085)		-0.0604 (0.4732)		-1.0304 (1.0793)	
Mig. Weighted Tech. in 1500		1.0444 (0.6972)		0.9153* (0.4877)		2.8031** (1.1456)
<i>N</i>	50	50	50	50	50	50
<i>R</i> ²	0.0034	0.0444	0.0005	0.0900	0.0169	0.0913

Notes on 1500-1960 Migration Matrix

The construction of the 1500-1960 migration matrix uses data from Özden et al. (2011) to adjust the contemporary composition of countries as determined by 1500 source populations found in Putterman and Weil (2010). The specific details in the creation of the 1500-1960 migration matrix follows.

First, we adjust net immigration numbers between 1960 and 2000 into shares of 2000 population as in PW. Data for population in 2000 come from the WDI. Next, we redefine these contemporary country shares by the population origins from which the country is composed, where population origins are used from PW. For example, a non-trivial fraction of the US's population is derived from Mexican immigrants since 1960. In order to remove this portion of the population to create population compositions for 1960 based on historic origins, it is incorrect to simply allocate less of the US's population to Mexico. This is due to the fact that the Mexican population is derived from a number of source populations, most importantly: Spain, Mexico, and a number of African countries. Therefore, when removing Mexican immigrants from the 2000 population, we assign these immigrants to the 1500 source countries with the use of Putterman and Weil migration matrix. If we consider $M_{n \times n}^{1500-2000}$ to be a matrix of net immigration since 1960 as a fraction of the population in 2000, where n is the number of countries (and, hence, of rows and columns) in the matrix, then the redefining of country shares by population origins is found by:

$$AM_{n \times n}^{1960-2000} = M_{n \times n}^{1960-2000}' PW_{n \times n}^{1500-2000} \quad (1)$$

where $PW_{n \times n}^{1500-2000}$ is the Putterman and Weil migration matrix, and $AM_{n \times n}^{1960-2000}$ gives migration shares between 1960 and 2000 in terms of the 1500 source population. With respect to our example, for instance, the M matrix would include a cell indicating the net number of 1960 to 2000 migrants from Mexico to the U.S. as a proportion of total year 2000 U.S. population, and multiplying the M and PW matrices would cause that 'U.S.

immigrants from Mexico' cell of the M matrix to be multiplied by the 'year 1500 ancestry shares' row for Mexico in the PW matrix, effectively breaking out the Mexico-U.S. migrant flow into its (Amerindian) Mexican, Spanish, and other components. This allows for a direct comparison between the migration data of PW and migration movements occurring between 1960 and 2000. Therefore, removing $AM_{n \times n}^{1960-2000}$ from $PW_{n \times n}^{1500-2000}$ in effect removes migration in terms of source populations that has taken place since 1960. Our 1500-1960 migration matrix is first approximated by:

$${}^U M_{n \times n}^{1500-1960} = PW_{n \times n}^{1500-2000} - AM_{n \times n}^{1960-2000} \quad (2)$$

A further step is required because removal of some year 2000 ancestry shares based on 1960-2000 immigration data means that the remaining ancestral population shares sum to less than 100%. For example, the removal of 1960-2000 migration results in remaining source population shares that add up to 0.88 in the case of the US. To correct for this, we rescale those shares, multiplying each by the inverted sum of shares in the ${}^U M$ matrix. After removing 1960-2000 immigration data for the US, to continue the example, the 18.5% of the 2000 population that are descended from year 1500 UK residents rescales to 21% (.185*(1/0.88)) of the US's population in 1960. This rescaling is the final step in generating the 1500-1960 migration matrix ($M_{n \times n}^{1500-1960}$).

Finally, it is worth noting an important simplifying assumption that may affect the degree of precision of the M matrix. The assumption is that migrants from country A to country B during 1960-2000 are randomly drawn from country A's population in terms of ancestry. This means that while the ancestry composition of country B's population may be changed by this recent migration from country A, the ancestry composition of country A's population is not changed. Accordingly, it is acceptable for us to assume that the ancestry shares of people leaving A for B in 1960, 1970, etc., are the same as the ancestry shares of country A's year 2000 population, those shown in the PW matrix. This makes

acceptable the use of the PW matrix itself in the first equation above. It also implies that it is acceptable for us to ignore net outmigration from a country when changing its ancestry shares from those of 2000 to ones for 1960. Accordingly, our M matrix accounts only for positive net migration between pairs of countries, and assigns zeros to cells corresponding to cases of negative net migration. Returning to the Mexico to U.S. example, we are assuming that those migrating from Mexico to the U.S. during 1960-2000 had on average the same share of ancestors from Mexico itself, Spain, and various African countries as did the people still living in Mexico in 2000, and accordingly the outmigration did not change Mexico's year 2000 ancestry composition from its ancestry composition in 1960.

Country Appendix

List of Included Countries, with Sub-Sample Indicators

<u>Country</u>	<u>Eur. Col.</u>	<u>Americas</u>	<u>High Imm.</u>	<u>MW Urb.</u>	<u>MW PD</u>	<u>MW MA</u>	<u>MW SH</u>	<u>MW Tech.</u>
Algeria	✓		✓	✓	✓	✓	✓	✓
Angola	✓		✓		✓	✓	✓	✓
Argentina	✓	✓		✓	✓	✓	✓	✓
Armenia			✓		✓	✓	✓	
Australia	✓				✓	✓	✓	
Azerbaijan			✓		✓	✓	✓	
Bahrain			✓		✓	✓		
Bangladesh	✓		✓	✓	✓	✓	✓	✓
Belize	✓	✓			✓	✓		
Benin	✓		✓		✓	✓	✓	✓
Bolivia	✓	✓		✓	✓	✓	✓	✓
Botswana	✓				✓	✓	✓	✓
Brazil	✓	✓			✓	✓	✓	✓
Burkina Faso	✓		✓		✓	✓	✓	✓
Burundi	✓		✓		✓	✓	✓	
Cameroon	✓		✓		✓	✓	✓	✓
Canada	✓	✓			✓	✓	✓	
Cape Verde	✓				✓	✓	✓	
Central African Republic	✓				✓	✓	✓	✓
Chad	✓		✓		✓	✓	✓	✓
Chile	✓	✓		✓	✓	✓	✓	✓
China			✓	✓	✓	✓	✓	✓
Colombia	✓	✓			✓	✓	✓	✓
Comoros	✓				✓			
Congo, Dem. Rep.	✓		✓		✓	✓	✓	✓
Congo, Rep.	✓		✓		✓	✓	✓	
Costa Rica	✓	✓		✓	✓	✓	✓	✓
Cote d'Ivoire	✓				✓	✓	✓	✓

Dominican Republic	✓	✓		✓	✓	✓	
Ecuador	✓	✓		✓	✓	✓	✓
Egypt, Arab Rep.	✓		✓	✓	✓	✓	✓
El Salvador	✓	✓		✓	✓	✓	✓
Ethiopia	✓		✓		✓	✓	✓
Gabon	✓				✓	✓	✓
Gambia, The	✓		✓		✓	✓	
Georgia			✓		✓	✓	
Ghana	✓		✓		✓	✓	✓
Guatemala	✓	✓		✓	✓	✓	✓
Guinea	✓				✓	✓	✓
Guyana	✓	✓			✓	✓	✓
Haiti	✓	✓			✓	✓	
Honduras	✓	✓		✓	✓	✓	✓
Hong Kong, China	✓			✓	✓	✓	✓
India	✓		✓	✓	✓	✓	✓
Indonesia	✓		✓	✓	✓	✓	✓
Iran			✓		✓	✓	✓
Israel					✓	✓	
Jamaica	✓	✓			✓	✓	
Japan			✓	✓	✓	✓	✓
Jordan					✓	✓	
Kazakhstan					✓	✓	
Kenya	✓				✓	✓	✓
Korea, Rep.			✓		✓	✓	✓
Kuwait					✓	✓	
Kyrgyz Republic			✓		✓	✓	
Laos	✓		✓	✓	✓	✓	✓
Lesotho	✓		✓		✓	✓	✓
Madagascar	✓		✓		✓	✓	✓
Malawi	✓		✓		✓	✓	
Malaysia	✓			✓	✓	✓	✓
Mali	✓		✓		✓	✓	✓

Mauritania	✓		✓		✓	✓	✓	✓
Mexico	✓	✓		✓	✓	✓	✓	✓
Mongolia			✓		✓	✓	✓	✓
Morocco	✓		✓	✓	✓	✓	✓	✓
Mozambique	✓		✓		✓	✓	✓	
Namibia	✓				✓	✓		✓
Nepal	✓		✓		✓	✓	✓	✓
New Zealand	✓				✓	✓	✓	
Nicaragua	✓	✓		✓	✓	✓	✓	✓
Niger	✓				✓	✓	✓	✓
Nigeria	✓		✓		✓	✓	✓	✓
Oman					✓	✓		
Pakistan	✓		✓	✓	✓	✓	✓	✓
Panama	✓	✓			✓	✓	✓	✓
Paraguay	✓	✓		✓	✓	✓	✓	✓
Peru	✓	✓		✓	✓	✓	✓	✓
Philippines	✓		✓	✓	✓	✓	✓	✓
Qatar					✓	✓		
Rwanda	✓		✓		✓	✓	✓	
Saudi Arabia			✓		✓	✓	✓	✓
Senegal	✓		✓		✓	✓	✓	✓
Sierra Leone	✓				✓	✓	✓	✓
Singapore	✓			✓	✓	✓	✓	✓
South Africa	✓				✓	✓	✓	✓
Sri Lanka	✓		✓	✓	✓	✓	✓	
Sudan	✓		✓		✓	✓	✓	✓
Syrian Arab Republic			✓		✓	✓	✓	✓
Tajikistan			✓		✓	✓	✓	
Tanzania	✓		✓		✓	✓		✓
Thailand			✓		✓	✓	✓	✓
Togo	✓				✓	✓	✓	
Trinidad and Tobago	✓	✓			✓	✓	✓	
Tunisia	✓		✓	✓	✓	✓	✓	✓

Turkey			✓		✓	✓	✓	✓
Turkmenistan			✓		✓	✓	✓	
Uganda	✓		✓		✓	✓	✓	✓
United States	✓	✓			✓	✓	✓	
Uruguay	✓	✓		✓	✓	✓	✓	✓
Uzbekistan			✓		✓	✓	✓	✓
Venezuela	✓	✓			✓	✓	✓	✓
Vietnam	✓		✓	✓	✓	✓	✓	✓
Yemen			✓		✓	✓	✓	
Zambia	✓				✓	✓	✓	✓
Zimbabwe	✓		✓		✓	✓	✓	✓

Notes: A check mark in the MW Urb. column means that urbanization data are available for at least 90% of the year 1500 ancestors of the country's year 2000 population, hence migration weighted urbanization can be calculated. The other four columns whose headings begin with MW pertain to the corresponding situations for the population density, millennia of agriculture, state history, and technology of 1500 variables, respectively.