ONLINE

APPENDIX B: DESCRIPTIVE STATISTICS

Table B.1: State-level Variables

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
DEMOCRACY								
Colonial election. An elective assembly, coded 1 if there is a colony-wide assembly that performs legislative or advisory functions and at least one member was elected. Observed from 1600 to independence. For further discussion see Chapter 10.	Paine (2019)	Binary	election	50,526	0.17	0.38	0.00	1.00
Contestation. Incumbent-challenger formula of electoral contestation, calculated as the incumbent (the party with the largest share of votes in the previous election) share of votes in a national legislative or presidential election minus the share of the largest challenger, subtracted from 100. For further discussion see Chapter 2.	Gerring, Hicken, Weitzel, Cojocaru (2018)	Linear	inc_chall_combined	35,814	11.93	20.29	0.00	100.00
Headman. A measure of traditional (premodern) democratic characteristics. Coded 1 if headman chosen by "election or other formal consensus" or "informal consensus." 0 otherwise. Aggregated up to state levels, weighting each ethnic group by its size. For further discussion see Chapter 2.	Giuliano, Nunn (2013), drawing on Murdock (1967)	Linear	murdock_dem	44,308	0.26	0.40	0.00	1.00
Lexical index. The electoral components of democracy measured in a cumulative fashion, transformed to 0-100 scale. For further discussion see Chapter 2.	Skaaning, Gerring, Bartusevičius (2015)	Ordinal	lexical_index_100	21,361	44.73	39.23	0.00	100.00
Male suffrage. Share (percent) of adult males who are enfranchised as a share of total number of adult male citizens. Coding unaffected by electoral regime interruptions.	V-Dem (Coppedge, Gerring, Glynn et al. 2020), supplemented by Bilinski (2015)	Linear	v2msuffrage_JG	21,171	51.71	48.64	0.00	100.00
Polity2. A weighted additive aggregation procedure across five sub-components: competitiveness and openness of executive recruitment, competitiveness and regulation of political participation, and constraints on the chief executive. Transformed to 0-100 scale. Observed from 1800 to 2018.	Polity IV (Marshall, Jaggers 2016)	Ordinal	e_polity2_100	17,189	47.78	35.43	0.00	100.00
Polyarchy, augmented. Electoral democracy index, missing data interpolated using Lexical index and Contestation, transformed to 0-100 scale.	As above	Linear	v2x_polyarchy_imp_100	35,007	25.08	26.45	0.76	100.00

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
Polyarchy. Electoral democracy index, transformed to 0-100 scale. For further discussion see Chapter 2.	V-Dem (Coppedge, Gerring, Glynn et al. 2020), Teorell et al. 2018)	Linear	v2x_polyarchy_100	25,339	26.28	26.10	0.70	92.40
PORTS, HARBORS								
Natural harbor distance (1953). The distance (100 km) from each grid-cell to the nearest port classified as a natural harbor in WPI (1953). This score is aggregated across all grid-cells to generate a mean value for each territory-year. For further discussion see Chapter 4.	Authors	Linear	distnatports53_100km	45,935	3.36	3.67	0.03	20.67
Natural harbor distance (2017). The distance (100 km) from each grid-cell to the nearest port classified as a natural harbor in WPI (2017). This score is aggregated across all grid-cells to generate a mean value for each territory-year. For further discussion see Chapter 4.	Authors	Linear	portdist_natural_100km	46,167	3.64	3.65	0.04	19.86
Natural harbor distance (benchmark). Geomorphic characteristics of coastlines are used to predict the existence of ports listed in the WPI (1953). We then calculate the distance (100 km) from each grid-cell across the world to the nearest predicted port. This score is aggregated across all grid-cells to generate a mean value for each territory-year. For further discussion see Chapter 4.	Authors	Linear	predallports53_100km	45,935	3.54	3.94	0.00	19.21
Natural harbor distance, ln. Geomorphic characteristics of coastlines are used to predict the existence of ports listed in the WPI (1953). We then calculate the distance (100 km) from each grid-cell across the world to the nearest predicted port. This score is aggregated across all grid-cells to generate a mean value for each territory-year. For further discussion see Chapter 4.	Authors	Loglinear	predallports53_100km_ln	45,935	1.21	0.76	0.00	3.01
Port distance (1953). The distance (100 km) from each grid-cell to the nearest port in WPI (1953). This score is aggregated across all grid-cells to generate a mean value for each territory-year. For further discussion see Chapter 4.	Authors	Linear	distallports53_100km	45,935	2.96	3.62	0.03	19.96
Port distance (2017). The distance (100 km) from each grid-cell to the nearest port in WPI (2017). This score is aggregated across all grid-cells to generate a mean value for each territory-year. For further discussion see Chapter 4.	Authors	Linear	portdist_allports_100km	45,935	3.00	3.61	0.00	19.86
Port distance (Lloyds). The distance (100 km) from each grid-cell to the nearest port in Lloyd's List (Ducruet n.d.), observed from 1890-2009. This score is aggregated across all grid-cells to generate a mean value for each territory-year. For further discussion see Chapter 4.	Authors	Linear	portdist_lloyds_ipo_100km	20,013	3.65	3.48	0.03	23.60

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
AGRICULTURAL ZONES								
Barren. Share of territory classified as barren. Aggregated from grid-cells (see Table A.2).	Tollefsen et al. (2012), drawing on Meiyappan, Jain (2012)	Linear	barren	38,344	11.43	21.80	0.00	97.68
Crop. Share of territory classified as crop. Aggregated from grid-cells (see Table A.2).	Tollefsen et al. (2012), drawing on Meiyappan, Jain (2012)	Linear	crop	40,589	10.96	13.35	0.00	65.65
Forest. Share of territory classified as forest. Aggregated from grid-cells (see Table A.2).	Tollefsen et al. (2012), drawing on Meiyappan, Jain (2012)	Linear	forest	40,589	29.07	27.46	0.00	96.61
Grass. Share of territory classified as grass. Aggregated from grid-cells (see Table A.2).	Tollefsen et al. (2012), drawing on Meiyappan, Jain (2012)	Linear	grass	40,589	10.98	13.89	0.00	99.13
Mountains. Share of territory classified as mountains. Aggregated from grid-cells (see Table A.2).	Tollefsen et al. (2012), drawing on Meiyappan, Jain (2012)	Linear	mountains	45,923	0.27	0.26	0.00	1.00
Pasture. Share of territory classified as pasture. Aggregated from grid-cells (see Table A.2).	Tollefsen et al. (2012), drawing on Meiyappan, Jain (2012)	Linear	pasture	38,344	14.70	13.93	0.00	82.16
Savanna. Share of territory classified as savanna. Aggregated from grid-cells (see Table A.2).	Tollefsen et al. (2012), drawing on Meiyappan, Jain (2012)	Linear	savanna	40,589	9.47	17.61	0.00	81.97
Shrub. Share of territory classified as shrub. Aggregated from grid-cells (see Table A.2).	Tollefsen et al. (2012), drawing on Meiyappan, Jain (2012)	Linear	shrub	40,589	8.05	13.10	0.00	69.83

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
Water. Share of territory classified as water. Aggregated from grid-cells (see Table A.2).	Tollefsen et al. (2012), drawing on Meiyappan, Jain (2012)	Linear	water	40,589	4.70	6.67	0.00	60.21
GEOGRAPHY (Misc)								
Agricultural suitability. Geographic endowments favoring agricultural production including climate, soil, and terrain.	Ashraf, Michalopoulos (2015)	Linear	suita	38,048	0.42	0.27	0.00	0.96
Area. Area (km).	Authors	Loglinear	area_imp_ext_corrected_ln	45,002	2.41	1.96	0.00	8.16
Caloric suitability. Calories a grid-cell would yield if farmed to its potential, aggregated across grid-cells in a state.	Galor, Özak (2016)	Linear	calories_mean	45,703	1212.26	640.13	0.00	2744.86
Caloric variability. Standard deviation of caloric suitability across a grid-cell, averaged across grid-cells in a state.	Galor, Özak (2016)	Linear	calories_sd	44,079	125.14	110.51	0.02	621.48
Desert. Share of territory classified as desert.	Tollefsen et al. (2012)	Linear	desert	40,136	3.64	11.46	0.00	77.28
Elevation. Mean elevation.	Nunn, Puga (2012)	Linear	eleva	40,136	577.73	528.19	33.82	2983.33
Equator distance. Distance from equator measured as the absolute value of a state's mean latitude.	La Porta et al. (1999)	Linear	lp_lat_abst	52,204	29.44	18.44	0.00	72.22
Fish. The Bounty of the Sea (BoS) index is a measure of the potential abundance of marine fish resources in the oceans. Its construction is a two-step procedure. First, the relevant marine fish species are identified using global fish landings statistics from FAO, and second, the unweighted average habitat suitability of these species is calculated using gridded data from *AquaMaps*. The chosen variable represents the mean suitability of the top 15 species of fish in the 1950s. Landlocked countries are assigned a zero score.	Dalgaard, Knudsen, Selaya (2020)	Linear	suit50_mfish	52,432	0.05	0.08	0.00	0.44
Frost days. Number of frost days per annum (mean).	Authors	Linear	frstdays	33,872	9.38	10.46	0.00	29.80

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
Irrigation potential. Areas where irrigation could make a big impact on agricultural productivity. Specifically, the share of land suitable for agriculture where irrigation can more than double agricultural production (land in Impact Class 5 as a share of land in Impact Classes 1-5).	Bentzen et al. (2016), drawing on FAO Global Agro-Ecological Zones (GAEZ) 2002 database	Linear	irri_impact5	42,217	0.17	0.30	0.00	1.00
Island. Indicates whether a state is attached to a continental land mass or not. For further discussion see Chapter 12.	Authors	Binary	Island	45,006	0.23	0.42	0.00	1.00
Landlock. Coded 1 if a territory does not border an ocean or sea; 0 otherwise.	Authors	Binary	landlock_new	74,809	0.15	0.35	0.00	1.00
London distance. Distance (km) from state capital to London.	Gleditsch (2002)	Loglinear	london_dist_ln	45,460	8.26	3.14	-34.00	9.84
Malaria ecology. Measure of the stability of malarial transmission in a given territory.	Easterly, Levine (2016), drawing on Kiszewski et al. (2004)	Linear	el_ME	26,652	5.09	7.24	0.00	31.55
Ocean distance. Distance from ocean (km), averaged across all grid-cells in a state.	Authors	Linear	ocdistance_abs_new	46,153	293.97	384.20	0.00	1856.70
Oil income per capita. The aggregated real value of a state's petroleum production as a share of total population. Interpolated forward and extended backward for cases of presumed zero or near-zero oil income (authors).	Haber, Menaldo (2011)	Linear	e_Total_Oil_Income_PC_ext	79,297	88.04	1245.95	0.00	78588.80
Precipitation. Average annual rainfall.	Tollefsen et al. (2012), drawing on Schneider et al. (2015)	Linear	prec_gpcc	45,923	303.19	229.62	5.30	1175.66
Regions. A vector of dummies: 1 = Europe, Russia, Central Asia, 2 = Americas, 3 = MENA, 4 = Sub-Saharan Africa, 5 = East, Southeast, South Asia, Pacific.	Authors	Nominal	e_regionpol4	67,186	2.79	1.53	1.00	5.00
River distance. Distance from nearest navigable river (km), averaged across all grid-cells in a state.	Authors	Linear	rivdist_abs_new	46,153	462.29	1181.42	11.18	8219.21
Rugged. Differences in elevation across grid-cells, aggregated to states.	Nunn, Puga (2012)	Linear	rugged	40,136	1.32	1.24	0.00	6.74
Soil. Share of territory with fertile soil.	Nunn, Puga (2012)	Linear	soil	40,136	38.95	25.17	0.00	100.00

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
Temperature. Mean temperature.	Tollefsen et al. (2012), drawing on Fan, van den Dool (2008)	Linear	avg_temp	51,968	18.80	8.74	-17.50	29.80
Tropical. Share of territory classified as tropical.	Nunn, Puga (2012)	Linear	tropical	40,136	39.89	45.19	0.00	100.00
STATE & SOCIETY								
Agricultural transition. Estimated years (in thousands) since the transition to an agricultural society.	Putterman (2006)	Linear	agritran	33,870	4.85	2.36	0.40	10.50
Corruption. The V-Dem corruption index includes measures of six distinct types of corruption that cover both different areas and levels of the polity realm, distinguishing between executive, legislative and judicial corruption. Within the executive realm, the measures also distinguish between corruption mostly pertaining to bribery and corruption due to embezzlement. Finally, they differentiate between corruption in the highest echelons of the executive at the level of the rulers/cabinet on the one hand, and in the public sector at large on the other. The measures thus tap into several distinguished types of corruption: both 'petty' and 'grand'; both bribery and theft; both corruption aimed and influencing law making and that affecting implementation.	V-Dem (Coppedge, Gerring, Glynn et al. 2020), McMann et al. (2019)	Linear	v2x_corr	25,683	0.46	0.28	0.01	0.97
Ethnic fractionalization. Uses Herfindahl index to calculate the probability of two randomly chosen individuals being members of the same ethnic group. Base year: 2001, extrapolated backward and forward by the authors.	Alesina et al. (2003), drawing on *Encyclopedia Britannica*	Linear	al_ethnic	43,382	0.44	0.26	0.00	0.93
GDP per cap. Gross domestic product per capita in constant 1990 dollars, based on data from the Maddison Project (Bolt, van Zanden 2014), supplemented by estimates from Bairoch (1976), Broadberry (2015), Broadberry/Klein (2012), Gleditsch (2002), and the WDI (World Bank 2016), which are combined in a dynamic, three-dimensional latent trait model.	Fariss et al. (2017)	Loglinear	Maddison_gdppc_1990_estimate_ln	27,109	7.62	1.14	3.87	14.26
Governance. Five variables from the Worldwide Governance Indicators – political stability and absence of violence/terrorism, government effectiveness, regulatory quality, rule of law, and control of corruption – are combined into a single index which represents the first component from a principal component analysis. Observed from 1997 to 2010. For further discussion see Appendix D.	Authors, drawing on Kaufmann, Kraay, Mastruzzi (2010)	Linear	wbgi_first	2,420	0.00	2.09	-5.62	4.76

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
Kinship intensity index. "An omnibus measure for kinship intensity that captures the presence of cousin-marriage preferences, polygamy, co-residence of extended families, clan organization, and community endogamy."	Schulz et al. (2019: 3), drawing on Ethnographic Atlas (Murdock 1967)	Linear	KII	52,590	0.00	1.00	-1.56	1.63
Linguistic fractionalization. Uses Herfindahl index to calculate the probability of two randomly chosen individuals being members of the same linguistic group (sharing mother tongue). Base year: 2001, extrapolated backward and forward by the authors.	Alesina et al. (2003), drawing on *Encyclopedia Britannica*	Linear	al_languag e	41,087	0.39	0.28	0.00	0.92
Muslim. Share of population that is muslim by heritage (%).	Authors	Linear	Muslim	64,041	18.32	33.42	0.00	100.00
Naval/land forces. The relative strength of naval-to-land forces. Naval strength proxied by naval tonnage. Land forces proxied by total military personnel. Step 1: missing values replaced by minimum values. Step 2: variables transformed by the natural logarithm. Step 3: ratio variable calculated as naval forces index/land forces index. For further discussion see Chapter 7.	Naval tonnage (Crisher, Souva 2014), military personnel (National Material Capabilities, COW v 5.0 [Singer 1987])	Linear	totton_mil per	11,520	0.94	1.25	0.00	13.81
Population density, 1500. Population density in 1500.	Acemoglu, Johnson, Robinson (2001, 2002)	Loglinear	lpd1500	34,102	0.91	1.49	-3.82	3.84
Religious fractionalization. Uses Herfindahl index to calculate the probability of two randomly chosen individuals being members of the same religious group. Base year: 2001, extrapolated backward and forward by the authors.	Alesina et al. (2003), drawing on *Encyclopedia Britannica*	Linear	al_religion	43,129	0.44	0.23	0.00	0.86
Sovereignty. Sovereignty, coded 1 if a territory is recognized as sovereign by European powers or exercises de facto sovereignty.	Authors	Binary	sovereign_ Cojocaru	48,468	0.46	0.50	0.00	1.00
State history. State Antiquity Index, which codes territories conforming to the present-day boundaries of 159 countries at 50-year intervals from 2900 BCE to 2000 CE. Scoring reflects (a) existence of a government, (b) the proportion of the territory covered by that government, and (c) whether it was indigenous or externally imposed. Our variable applies a one percent depreciation rate to each score.	Borcan, Olsson, Putterman (2018)	Linear	statehiste1 500_01n	36,888	0.17	0.18	0.00	0.76
Trade openness. Imports as a share of GDP. Observed from 1800 to 2009.	COW	Loglinear	e_micowi mp_ln	12,168	6.50	2.57	-3.51	14.59

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
University distance. We mark the location (lat/long) of all extant universities across the world along with their year of founding, beginning with the University of Bologna in, or about, 1088. "University" refers broadly to any institution of higher education that grant at least one bachelor's degree or its equivalent. This excludes two-year universities, universities that grant only associates' degrees, as well as technical schools, military schools, theological training centers, police academies, social work schools, and yoga schools. This definition is consonant with institutions that fit the International Standard Classification of Education (ISCED) levels 6-8 (UNESCO 2012). Because universities of this sort rarely expire, it is possible to construct at a fairly comprehensive panel dataset of universities through time by marking the founding date of each extant university. Note, however, that this dataset does not track universities that no longer exist. Next, for each grid-cell across the world the authors calculate the distance to the nearest university (which may or may not be in the same state) annually from 1789 to the present. This statistic is logged and then calculated as a historical stock with a one percent annual depreciation rate.	Apfeld (2019)	Linear	nearest_univ_dist_ln_stock_1	54,731	575.04	240.15	6.68	893.94
Year of independence. Year in which state gains international recognition.	Authors	Linear	indep	142	1946.68	58.18	1776	2007
Years since independence. Number of years since independence (de facto or de jure) or 1000 (whichever comes later).	Authors	Loglinear	indep_yrs_since_ln	43,111	1.57	2.26	0.00	7.57
EUROPE								
Catholic. Percentage of the population that was Catholic in 1980, extrapolated forward and backward by the authors.	La Porta et al (1999)	Linear	lp_catho80	45,687	32.80	35.81	0.00	99.10
English colonial duration. Number of years of English colonial rule. Original coding extended by the authors.	Olsson (2009)	Linear	durbritain_new	64,149	72.58	163.72	0.00	952.00
English colony. Current or former English colony/dependency.	Authors	Binary	britain	63,586	0.32	0.47	0.00	1.00
Europe. Those states within the European continent that lie closest to a natural harbor, namely: Albania, Andorra, Austria, Baden, Bavaria, Belgium, Bosnia, Brunswick, Bulgaria, Croatia, Czech Republic, Denmark, East Germany, Estonia, Finland, France, Germany, Greece, Hamburg, Hanover, Hesse-Darmstadt, Hesse-Kassel, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Mecklenburg Schwerin, Modena, Moldova, Montenegro, Nassau, Netherlands, Norway, Oldenburg, Papal States, Parma, Piedmont-Sardinia, Poland, Portugal, Romania, San Marino, Saxe-Weimar-Eisenach, Saxony, Serbia, Slovenia, Spain, Sweden, Switzerland, Tuscany, Two Sicilies, Ukraine, United Kingdom, Vatican City, and Württemberg. For further discussion see Chapter 9.	Authors	Binary	europe_harbors_def	59,280	0.23	0.42	0.00	1.00

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
European ancestry (benchmark). Share of population of European descent, with Europe defined by distance from natural harbors (as above). For territories outside Europe, we mark the date of the first recorded European settlement or (if the latter is unknown) the first European contact (discovery). This is coded as zero (no Europeans), forming the first data point in the series. For territories within continental Europe, we record the number of Europeans as 100% in 1950. This estimate is extended back to 1600. For the remaining time-period (after the point of first European contact for non-European territories and after 1950 for European territories), we use a quadratic function to estimate yearly data points across available data points. Observed from 1600 to 2019. For further discussion see Chapter 9 and Appendix E.	Authors	Linear	eur_pct_est_smooth	104,154	28.41	41.19	0.00	100.00
European ancestry, Latin or Germanic. Share of population of European descent, with Europe defined by states with a Latin or Germanic language. For states outside Europe, we mark the date of the first recorded European settlement or (if the latter is unknown) the first European contact (discovery). This is coded as zero (no Europeans), forming the first data point in the series. For territories within continental Europe, we record the number of Europeans as 100% in 1950. This estimate is extended back to 1789. For the remaining time-period (after the point of first European contact for non-European territories and after 1950 for European territories), we use a quadratic function to estimate yearly data points across available data points. For further discussion see Chapter 9.	Authors	Linear	eur_pct_est_smooth_orig	54,274	22.94	36.74	0.00	100.00
European ancestry, stock. European ancestry (distance from natural harbors) calculated as a stock variable, computed by adding up scores from 1600 to the present with a 10% annual depreciation rate. For further discussion see Chapter 9.	Authors	Linear	eur_pct_est_smooth_stock_1600_10	54,274	173.89	328.68	0.00	1000.00
European colonial duration. Number of years of European colonial rule. Original coding extended by the authors.	Olsson (2009)	Linear	duration_global	63,620	280.63	560.45	0	2000

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
European language. Share of population (%) speaking a European language. Procedure: (1) Using Alesina et al (2003), identify European languages: Bajan (English-Creole), Basque, Belgian, Bislama (English Creole), Castilian Spanish, Catalan (Andorran), Catalan (Catala), Catalan, Crioulo (Portuguese Creole), Danish, Dutch (Flemish; Netherlandic), Dutch (lingua franca), Dutch, English (lingua franca), English Creole (lingua franca), English Creole, English Creoles, English, English, English Creole, English/Creole, English/English Creole (lingua franca), English/English Creole, English/English Creoles, English/French Creole, Finnish, French (Haitian) Creole, French (Walloon), French (lingua franca), French Creole (mostly Haitian), French Creole, French, French/French Creole, French/French Creoles, Galician, German, Greek, Haitian (French) Creole, Icelandic, Irish, Italian (Romagnolo), Italian, Krio (English Creole), Krio (Enlgish Ereole) (lingua franca), Luxemburgian, Maltese, Monegasque, Norman French, Norwegian, Polish, Portuguese (lingua franca), Portuguese, Rhaetian, Sami (Lapp), Sardinian, Scots-Gaelic, Seselwa (French Creole), Solomon Island Pidgin (English Creole), Spanish (lingua franca), Spanish, Swedish), Swedish, Tok Pisin (English Creole), Trinidad English, Welsh. (2) For each state, add up the percentages for each of these languages. (3) If a state exceeds 100% (which occasionally happens), assign a value of 100. For further discussion see Chapter 11.	Authors	Linear	eur_lang_pct	39,902	35.05	40.89	0.00	100.00
Forced settlement. Coded 1 if a European colony was composed predominantly of slaves, experienced at least twenty-five years of colonial control, and colonial period ended after 1800 (or did not end at all). The list of forced settlement colonies is drawn from sources listed in the adjacent column. Original coding extended by the authors, assigning 0 to uncoded cases.	Owolabi (2015: Appendix I), Owolabi (2020: Appendix 4.4)	Binary	forced_settlement_ext	79,450	0.08	0.28	0	1
Former colony. Former European colony.	Easterly, Levine (2016)	Binary	el_excolony	25,984	0.92	0.27	0.00	1.00
French colony. Current or former French colony/dependency.	Authors	Binary	france	63,586	0.16	0.37	0.00	1.00
Indirect rule. Ratio of colonially recognized court cases to all court cases in 1955. Original coding extended by Hariri (2012).	Lange (2004)	Linear	indirect_rule	20,416	0.19	0.54	-1.26	0.93
Protestant. Percentage of population belonging to a Protestant denomination – defined as Christian denominations that are neither Catholic nor Orthodox (e.g., Anglican, Baptist, Congregational, Lutheran, Methodist, Mormon, Presbyterian, Quaker). We assign a value of 0 to each state in the year prior to the arrival of the first Christian missionary, as dated by Woodberry (2012) and supplemented by other sources including Andrew (1992), Barrett (1982), Hillerbrand (2004), Moreau et al. (2000), Neill (1991), and Tucker (2004). The Correlates of War Project (Maoz 2013) provides estimates for all states at 5-year increments from 1945-2010, and Woodberry (2012), provides estimates for 1900. We complete the time-series for each state by linear interpolation.	Authors, drawing on multiple sources, as indicated	Linear	chrstprotpct	61,870	17.82	28.61	0.00	100.00

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
Settler mortality. Historical deaths per 1000 European settlers per year.	Easterly, Levine (2016), drawing on Acemoglu, Johnson, Robinson (2001, 2002)	Linear	el_settlermort	18,792	4.70	1.18	2.15	7.99
Spanish colony. Current or former Spanish colony/dependency.	Authors	Binary	spain	63,586	0.09	0.28	0.00	1.00

Includes all state-level variables except those used in replications (Table 11.5). "Authors" refers to Gerring et al. Descriptive statistics extend to all sovereign or semisovereign territories for which data is available. Time-period extends from 1789 to 2019 except where noted. Wherever a variable is understood as static (e.g., for some geographic variables) values for one year are extrapolated across the time-period.

Table B.2: Grid-cell level Variables

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
DEMOCRACY								
Headman. A measure of traditional (premodern) democratic characteristics. Coded 1 if headman chosen by "election or other formal consensus" or "informal consensus." 0 otherwise. Measured for a single year (although actual data may refer to any period in the early modern or modern era). For further discussion see Chapter 2.	Ethnographic Atlas (Murdock 1967)	Binary	Demo_ Murdoc k	1,014	0.15	0.36	0.00	1.00
Polyarchy, augmented. Electoral democracy index, missing data interpolated, transformed to 0-100 scale. For further discussion see Chapter 2.	See Table A.1	Linear	v2x_pol yarchy_i mp_100	10,483,420	31.48	30.47	0.78	100.00
PORTS, HARBORS								
Natural harbor distance (benchmark). Geomorphic characteristics of coastlines are used to predict the existence of ports listed in the WPI (1953). We then calculate the distance (100 km) from each grid-cell across the world to the nearest predicted port. For further discussion see Chapter 4.	Authors	Linear	predallp orts53_1 00km	10,887,849	5.37	5.12	0.00	36.87
AGRICULTURAL ZONES								
Barren. The percentage barren areas in a cell extracted from the ISAM-HYDE historical landuse dataset. To compute barren_ih we aggregate using the following lansuse classes: "Tundra", "Desert", "PdRI". In PRIO-GRID, this indicator is available for the years 1950, 1960, 1970, 1980, 1990, 2000, and 2010.	Tollefsen et al. (2012)	Linear	barren	10,181,864	19.43	34.32	0.00	100.00
Crop. The percentage area of the cell covered by agricultural area, based on ISAM-HYDE landuse data. To compute agri_ih we follow the land cover classification system used by ISAM-HYDE and aggregate to the category "Total cropland" (landuse classes "C3crop", "C4crop"). In PRIO-GRID, this indicator is available for the years 1950, 1960, 1970, 1980, 1990, 2000, and 2010.	Tollefsen et al. (2012)	Linear	crop	10,181,864	7.10	16.66	0.00	100.00

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
Forest. The percentage area of the cell covered by forest area, based on ISAM-HYDE landuse data. To compute forest_ih we follow the land cover classification system used by ISAM-HYDE and aggregate to the category "Total forest" (landuse classes "TrpEBF", "TrpDBF", "TmpEBF", "TmpENF", "TmpDBF", "BorENF", "BorDNF", "SecTrpEBF", "SecTrpDBF", "SecTmpEBF", "SecTmpENF", "SecTmpDBF", "SecBorENF", "SecBorDNF"). In PRIO-GRID, this indicator is available for the years 1950, 1960, 1970, 1980, 1990, 2000, and 2010.	Tollefsen et al. (2012)	Linear	forest	10,181,864	26.73	35.44	0.00	100.00
Grass. The percentage area of the cell covered by grasslands, based on ISAM-HYDE landuse data. To compute grass_ih we follow the land cover classification system used by ISAM-HYDE and aggregate to the category "Total grassland"(landuse classes "C3grass", "C4grass"). In PRIO-GRID, this indicator is available for the years 1950, 1960, 1970, 1980, 1990, 2000, and 2010.	Tollefsen et al. (2012)	Linear	grass	10,181,864	14.34	23.48	0.00	100.00
Mountains. The proportion of mountainous terrain within the cell based on elevation, slope and local elevation range, taken from a high-resolution mountain raster developed for UNEP's Mountain Watch Report. The original pixel values are binary, capturing whether the pixel is a mountain pixel or not based on the seven different categories of mountainous terrain in the report.	Tollefsen et al. (2012)	Linear	mountains	10,827,757	0.24	0.36	0.00	1.00
Pasture. The percentage area of a grid-cell covered by pasture area, based on ISAM-HYDE landuse data. To compute pasture_ih we follow the land cover classification system used by ISAM-HYDE and aggregate to the category "Total pastureland" (landuse classes "C3past", "C4past"). In PRIO-GRID, this indicator is available for the years 1950, 1960, 1970, 1980, 1990, 2000, and 2010.	Tollefsen et al. (2012)	Linear	pasture	10,181,864	12.72	19.22	0.00	100.00
Savanna. Area (percentage) of a grid-cell covered by grasslands, based on ISAM-HYDE landuse data. To compute savanna_ih we follow the land cover classification system used by ISAM-HYDE and aggregate to the category "Savanna" (landuse class "Savanna"). Data available for 1950, 1960, 1970, 1980, 1990, 2000, and 2010.	Tollefsen et al. (2012)	Linear	savanna	10,181,864	5.35	16.69	0.00	99.85
Shrub. The percentage area of the cell covered by grasslands, based on ISAM-HYDE landuse data. To compute grass_ih we follow the land cover classification system used by ISAM-HYDE and aggregate to the category "Total grassland"(landuse classes "C3grass", "C4grass"). In PRIO-GRID, this indicator is available for the years 1950, 1960, 1970, 1980, 1990, 2000, and 2010.	Tollefsen et al. (2012)	Linear	shrub	10,181,864	10.83	18.94	0.00	100.00
Water. The coverage of water areas in each cell, extracted from the Globcover 2009 dataset v.2.3. To compute water_gc we follow but deviate slightly from the FAO land cover classification system used by Globcover and aggregate only to the "Natural/Artificial water bodies" class excluding the "Permanent snow and ice" class (landuse class 2010). The value indicates the percentage area of the cell covered by water area. This indicator is a snapshot for the year 2009.	Tollefsen et al. (2012)	Linear	water	10,181,864	3.42	9.50	0.00	90.49

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
GEOGRAPHY (Misc)								
Equator distance. Distance (km) from grid-cell centroid to equator.	Authors	Linear	equator_distance	10,883,161	40.68	21.59	0.25	83.25
Irrigation potential. The area equipped for irrigation within each cell (in hectares). The data is taken from the Historical Irrigation dataset v.1, which indicates pixelated data on areas equipped for irrigation across time. Specifically we used the AEI_EARTHSTAT_IR dataset, which reports irrigation based on subnational sources and Earthstat historical landuse data. In PRIO-GRID, this indicator is only available for the years 1950, 1960, 1970, 1980, 1985, 1990, 1995, 2000, and 2005.	Authors	Linear	irrig_sum	10,813,909	1572.28	7747.32	0.00	194828.40
Ocean distance. Distance from grid-cell centroid to nearest ocean (km).	Authors	Linear	ocdistance	10,882,821	5.50	3.51	-6.91	8.45
Precipitation. Yearly total amount of precipitation (millimeters) in a grid-cell, based on monthly meteorological statistics from 1946 to 2013, as maintained by the Global Precipitation Climatology Centre.	Tollefsen et al. (2012)	Linear	prec_gpcc	10,802,832	187.75	193.57	0.00	2485.53
Regions. A vector of dummies: 1 = Europe, Russia, Central Asia, 2 = Americas, 3 = MENA, 4 = Sub-Saharan Africa, 5 = East, Southeast, South Asia, Pacific.	Authors	Nominal	e_regionpol4	10,851,182	2.37	1.46	1.00	5.00
River distance. Distance from grid-cell centroid to nearest river. Rivers are identified from the Aquastat database, developed by the Land and Water Division of the Food and Agriculture Organization, which includes information about rivers' hydrological regime indicating its rank based on connectivity and hierarchy, ranging from 1 to 7, where 1 is a small stream (a leaf without children), while 7 indicates a major navigable river. We use rivers with Strahler Stream order 3 to 7.	FAO (2019)	Linear	rivdist	10,882,821	5.30	1.68	-6.91	9.06
Temperature. The yearly mean temperature (in degrees Celsius) in the cell, based on monthly meteorological statistics from GHCN/CAMS, developed at the Climate Prediction Center, NOAA/National Weather Service. This indicator contains data for the years 1948-2014."	Tollefsen et al. (2012)	Linear	temp	10,536,970	7.86	14.23	-24.17	46.62
STATE & SOCIETY								

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
Gross Cell Product. Gross cell product, measured in USD (PPP). Available at five-year intervals since1990.	Tollefsen et al. (2012), drawing on G-Econ dataset v4.0 (Nordhaus 2006)	Linear	gcp_ppp	249,870	0.68	4.04	0	264.67
Jurisdictional hierarchy. 0=Missing data, 1=No political authority beyond the local community, 2=One level above the local community (e.g., petty chiefdoms), 3=Two levels above the local community (e.g., larger chiefdoms), 4=Three levels above the local community (e.g., states), 5=Four levels above the local community (e.g., large states).	Ethnographic Atlas (Murdock 1967)	Ordinal	Statehood	145,741	1.70	1.20	0.00	5.00
Population. Population located within a grid-cell.	Hyde (Klein Goldewijk et al. 2001)	Linear	pop_hyd_sum	10,883,161	36906.48	176134.5	0.00	1.99E+07
State size. For each grid-cell, we measure the territorial size of the state it is a part of. Units: Log square kilometers	Authors	Linear	area_bil	10,490,800	9181.51	7807.77	0.02	37916.16
Urbanization. The percentage area of a cell covered by urban area, based on ISAM-HYDE landuse data. Available for 1950, 1960, 1970, 1980, 1990, 2000, and 2010.	Tollefsen et al. (2012), drawing on Meiyappan, Jain (2012)	Linear	urban	10,181,864	0.09	0.87	0	78.11

Includes all grid-cell-level variables. "Authors" refers to Gerring et al. Descriptive statistics extend to all sovereign or semisovereign territories for which data is available. Time-period extends from 1789 to 2019 except where noted. Wherever a variable is understood as static (e.g., for geographic variables) values for one year are extrapolated across the time-period.

Table B.3: Bespoke Datasets

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
Table 5.2: **European Parliaments, 1200-1700**								
Parliaments. Presence of a parliament at the city-level, adopted to grid-cells. We use EuroAtlas (also used by Abramson and Boix) to circumscribe "Europe." So defined, this source yields 11756 grid-cells, each of which is measured at century intervals between 1200 and 1700.	Abramson, Boix (2019)	Binary	Parl	72342	0.049	0.21	0.00	1.00
Table 7.5: **Democratic values, World Values Survey**								
Democratic values index. Index based on questions from the World Values Survey (WVS) registering respondents' approval or disapproval of the following regimes: (a) democracy, (b) army rule, (c) rule by experts, (d) theocracy, and (e) rule by a strong leader. Each is on a 0-5 likert scale. For the pursposes of the index, the items are scaled such that positive scores indicate more democratic attitudes; then, they are summed together into a composite index.	Haerpfer, Inglehart et al. (2020)	Linear	democ_index	42790	13.51	2.89	0.00	20.00
Table 7.4: **Diversity in Inland and Coastal Cities**								
Coastal. Coded 1 if located on or very near the coast, 0 otherwise.	Authors	Binary	Coastal	107	0.48	0.50	0.00	1.00
Ethnic fractionalization. Herfindahl index of ethnic heterogeneity, understood as the probability that two randomly chosen persons living in a city are members of different ethnic groups. Calculated by the authors from information on ethnic populations contained in Wikipedia articles on each city, using most recent data available.	Authors	Linear	city_herf_hetero	107	0.39	0.20	0.03	0.77
Population. Population of a city, most recent year available. Garnered from Wikipedia articles on each city.	Authors	Loglinear	population_ln	107	13.99	1.39	10.34	17.00

Name, Definition	*Source*	*Scale*	*Label*	*Obs*	*Mean*	*SD*	*Min*	*Max*
Table 10.1: **Legislative Activity across British Colonies in the Americas**								
Bills per annum. The number of bills passed in colonial assemblies across the Americas from 1692 to 1800, observed at decadal intervals (with varying coverage).	Graham (2018)	Linear	acts	196	10.44	8.44	0.60	43.40
European ancestry. Share of population of European heritage. For further discussion see Table A.1 and Chapter 9.	Authors	Linear	eur_pct_est _smooth	185	54.95	34.75	1.73	100.00
Population. Population of colony.	Various	Linear	pop	196	56610	69328	400	447016

Includes variables used in analyses with independent datasets. "Authors" refers to Gerring et al.

APPENDIX C: PORTS IN HISTORY

Table C.1: Early Cities and Ports

Name	*Historical location(s)*	*Current location*	*Founding*	*Port*
		MENA		
Luxor aka Waset, Thebes	Ancient Egypt	Egypt	3200 BCE	R
Annaba aka Hippo Regius	Numidia	Algeria	12th c. BCE	O
Tangier	Carthage	Morocco	800 BCE	O
Tripoli aka Oea		Libya	700 BCE	O
Constantine aka Cirta		Algeria	600 BCE	N
Benghazi aka Euesperides	Cyrenaica	Libya	525 BCE	O
Axum	Kingdom of Axum	Ethiopia	400 BCE	N
Berbera	Bilad al-Barbar	Somaliland	400 BCE	O
Alexandria	Ancient Egypt	Egypt	332 BCE	O
Mogadishu	Bilad al-Barbar	Somalia	200 BCE	O
Old Cairo	Egypt	Egypt	100	R
Zeila/Avalite	Bilad al-Barbar	Somaliland	1st c.	O
Kismayo	Bilad al-Barbar, Ajuran Empire	Somalia	4th c.	O
Casablanca	Barghawata	Morocco	744	O
Fes aka Fes-al-Bali		Morocco	789	N
Marrakesh aka Murakuc		Morocco	1070	N
		SUB-SAHARAN AFRICA		
Benin City	Kingdom of Benin	Nigeria	400 BCE	N
Ife	Osun State	Nigeria	350 BCE	N
Jenne-Jeno		Mali	250 BCE	N
Zanzibar	Swahili Coast	Tanzania	1st – 3rd c.	O
Walata	Ghana Empire	Mauritania	7th – 10th c.	N
Sofala	Swahili Coast	Mozambique	700	O
Pate	Swahili Coast	Kenya	8th c.	O
Mombasa	Swahili Coast	Kenya	900	O
Moroni	Swahili Coast	Comoros	10th c.	O
Kano	Kano State	Nigeria	11th c.	N
Timbuktu	Mali Empire	Mali	11th c.	N
Malindi	Swahili Coast	Kenya	13th – 14th c.	O
M'banza-Kongo	Kongo Empire	Angola	1390	N
Quelimane	Swahili Coast	Mozambique	1400	O
Tanga	Swahili Coast	Tanzania	1500	O
Lagos	Kingdom of Benin	Nigeria	16th c.	O
Ouidah	Kingdom of Whydah	Benin	16th c.	O
Cape Town	Dutch East India Company	South Africa	1652	O
Kumasi	Ashanti Empire	Ghana	1680	N
		NORTH AMERICA		
Flores aka Nojpeten	Maya civilisation, then New Spain	Guatemala	1st m. BCE	N
Cholula	Old Cholula	Mexico	2nd c. BCE	N
Tucson	Hohokam	US	1300	N
Mexico City	Mexica culture	Mexico	1325	N
Santo Domingo	New Spain	Dominican Republic	1496	O
San Juan	New Spain	Puerto Rico	1508	O
Nombre de Dios, Colón	New Spain	Panama	1510	O
Baracoa	New Spain	Cuba	1511	O
Havana	New Spain	Cuba	1519	O
Veracruz	New Spain	Mexico	1519	O
Panama City	Cueva Civilisation, New Spain	Panama	1519	O
St. Augustine, Florida	New Spain	US	1565	O
Santa Fe, New Mexico	New Spain	US	1607	N
Quebec City	New France	Canada	1608	R
Hopewell, Virginia	Virginia Company	US	1613	O
Albany, New York	New Netherlands	US	1614	R
Plymouth, Massachusetts	Plymouth Colony	US	1620	O
St. John's	Newfoundland Colony	Canada	1630	O

Name	*Historical location(s)*	*Current location*	*Founding*	*Port*
Saint John	New France	Canada	1631	O
Trois-Rivières	New France	Canada	1634	R
Montreal	New France	Canada	1642	R
Sault Ste. Marie, Michigan	New France	US	1668	N
Natchitoches, Louisiana	New France	US	1699	R
Detroit, Michigan	New France	US	1701	R
Winnipeg	British America	Canada	1738	N
San Diego	New Spain	US	1769	O
Victoria	Colony of Vancouver Island	Canada	1843	O
	SOUTH AMERICA			
Quito	Quitu culture	Ecuador	980	N
Cusco	Inca Empire	Peru	1100	N
Cumaná	New Granada	Venezuela	1515	O
Santa Marta	New Granada	Colombia	1525	O
São Vicente, São Paulo	Governorate General of Brazil	Brazil	1532	O
Piura	Peru	Peru	1532	R
Lima	Peru	Peru	1535	O
Cali	New Granada	Colombia	1536	N
Asuncion	Viceroyalty of Rio de la Plata	Paraguay	1537	R
Santiago	Captaincy General of Chile	Chile	1541	N
Salvador	Governorate General of Brazil	Brazil	1549	O
Santiago del Estero	Río de la Plata	Argentina	1553	N
Buenos Aires	Río de la Plata	Argentina	1580	O
	CENTRAL ASIA, SOUTH ASIA			
Balkh aka Bactra	Bactria	Balkh Province, Afghanistan	1300 BCE	N
Kabul	Gandhara	Kabul, Afghanistan	1170 BCE	N
Varanasi	Varanasi	Uttar Pradesh, India	800 BCE	R
Madurai	Pandyan Kingdom	Tamil Nadu, India	6th c. BCE	N
Ujjain	Malwa	Madhya Pradesh, India	600 BCE	N
Vaishali	Magadha	Bihar, India	500 BCE	R
Patna aka Patliputra	Haryanka dynasty of Magadha	Bihar, India	4th c. BCE	R
Anuradhapura	Kingdom of Rajarata	No. Central Province, Sri Lanka	4th c. BCE	N
Kanchipuram	Pallavas	Tamil Nadu, India	3rd c. BCE	R
Purushapura, aka Peshawar	Gandhara	Khyber Pakhtunkhwa, Pakistan	2nd c. BCE	N
Bamyan	Bactria	Bamyan Province, Afghanistan	1st c.	N
Kathmandu-Patan, Lalitpur	Nepal	Kathmandu valley, Nepal	2nd c.	N
Tiruvannamalai	Pallava dynasty or Hoysala Empire	Tamil Nadu, India	6th c.	N
Dacca	Dhaka	Bangladesh	7th c.	R
Cuttack	Somavamshi dynasty	Odisha, India	989	R
	EAST ASIA			
Yanshi, Henan, aka Erlitou	Xia dynasty (Erlitou culture)	Henan, China	1900 BCE	R
Luoyang aka Xibo, Luoyi	Shang Dynasty	Henan, China	1600 BCE	R
Xi'an aka Haojing, Fenghao	Zhou Dynasty	Shaanxi, China	1100 BCE	R
Chang'an, Jingzhao	Jin	Hebei, China	1080 BCE	R
Beijing aka Ji, Youzhou,	Ji, Yan	Beijing, China	1045 BCE	R
Yingqiu, Linzi, Boping	Qi	Shandong, China	1045 BCE	N
Jingzhou aka Jinan, Yingdu	Chu	Hubei, China	689 BCE	R
Hefei aka Luyi, Ruyin	Zhou Dynasty	Anhui, China	650 BCE	N
Suzhou aka Gusu, Wu	Wu	Jiangsu, China	514 BCE	R
Taiyuan aka Jinyang	Jin	Shanxi, China	497 BCE	N
Nanjing aka Yecheng	Wu	Jiangsu, China	495 BCE	R
Chengdu	Shu	Sichuan, China	400 BCE	N
Changsha aka Linxiang	Chu	Hunan, China	365 BCE	R
Kaifeng aka Daliang	Wei	Henan, China	364 BCE	N
Liaoyang aka Xiangping	Yan	Liaoning, China	279 BCE	N
Guangzhou aka Panyu	Qin Dynasty	Guangdong, China	214 BCE	O
Hangzhou aka Lin'an	Qin Dynasty	Zhejiang, China	200 BCE	O
Pyeongyang	Gojoseon	North Korea	194 BCE	R

Name	*Historical location(s)*	*Current location*	*Founding*	*Port*
Gyeongju	Silla	South Korea	57 BCE	O
Seoul aka Wiryeseong	Baekjae	South Korea	18 BCE	R
Osaka aka Naniwa	Japan	Japan	400	O
Nara aka Heijō-kyō	Japan	Japan	710	N
Kyoto aka Heian-kyō	Japan	Japan	794	N
	SOUTHEAST ASIA			
Jakarta	Tarumanagara	Indonesia	397	O
Hanoi	Jiaozhou	Vietnam	454	R
Palembang	Srivijaya	Indonesia	683	R
Luang Prabang	Muang Sua	Laos	698	N
Yogyakarta	Mataram Kingdom	Indonesia	732	N
Siem Reap	Khmer Empire	Cambodia	801	N
Bagan	Pagan Empire	Myanmar	849	N
Magelang	Mataram	Indonesia	907	N
Bandar Seri Begawan	Po-ni and Bruneian Empire	Brunei	977	R
Butuan	Rajahnate of Butuan	Philippines	1001	O
Kediri	Kediri Kingdom	Indonesia	1042	N
Yangon	Konbaung Dynasty	Myanmar	1043	O
Surabaya	Janggala Kingdom	Indonesia	1045	O
Singapore	Kingdom of Singapura	Singapore	1170	O
Singhapala	Rajahnate of Cebu	Philippines	13th c.	O
Banda Aceh	Aceh Sultanate	Indonesia	1205	O
Sukhothai	Sukhothai Kingdom	Thailand	1238	N
Manila	Tondo and Rajahnate of Maynila	Philippines	1258	O
Ayutthaya	Ayutthaya Kingdom	Thailand	1351	R
Muar	Majapahit	Malaysia	1361	O
Phnom Penh	Khmer Empire	Cambodia	1372	R
Malacca	Malacca Sultanate	Malaysia	1396	O
Hội An	Nguyễn dynasty	Vietnam	14th c.	O
Bogor	Sunda Kingdom	Indonesia	1482	N
	WEST ASIA			
Gaziantep	Anatolia	Southeastern Anatolia, Turkey	3650 BCE	N
Rey	Media	Iran	3000 BCE	N
Beirut	Levant	Lebanon	3000 BCE	O
Byblos (Jubayl)	Levant	Lebanon	3000 BCE	O
Kirkuk aka Arrapha	Mesopotamia	Kirkuk Governorate, Iraq	3000–2200 BCE	N
Tyre	Levant	Lebanon	2750 BCE	O
Jenin	Levant	West Bank	2450 BCE	N
Erbil	Mesopotamia	Iraqi Kurdistan, Iraq	2300 BCE	N
Ankara	Anatolia	Central Anatolia, Turkey	<2000 BCE	N
Jaffa	Levant	Israel	2000 BCE	O
Sidon	Levant	Lebanon	2nd m. BCE	O
Damascus	Levant	Syria	late 2nd m. BCE	N
Jerusalem (Old City)	Levant	West Bank	18th c. BCE	N
Hebron	Levant	West Bank	1500 BCE	N
Jericho	Levant	West Bank	1st m. BCE	N
Eskişehir	Anatolia	Turkey	1000 BCE	N
Gaza	Levant	Gaza Strip	1000 BCE	O
Hamadan aka Ecbatana	Media	Iran	800 BCE	N
Yerevan	Urartu	Armenia	782 BCE	N
Istanbul aka Byzantion	Thrace, Anatolia	Turkey	685 BCE	O
Homs	Levant	Syria	3rd c. BCE	N
Lod	Levant	Israel	200	N
Tabriz	Caucasus	Iran	3rd –7th c.	N
Yazd	Media	Iran	5th c.	N
	EUROPE			
Argos	Neolithic, Mycenaean Greece	Greece	2nd m. BCE	O
Chania	Crete	Crete, Greece	1700–1500 BCE	O

Name	*Historical location(s)*	*Current location*	*Founding*	*Port*
Thebes	Mycenaean Greece	Boeotia, Greece	1600–1250 BCE	N
Athens	Neolithic, Mycenaean Greece	Attica, Greece	1400 BCE	O
Larnaca	Alashiya	Cyprus	1400 BCE	O
Trikala	Mycenaean Greece	Thessaly, Greece	<1200 BCE	N
Chalcis	Mycenaean Greece	Greece	<1200 BCE	O
Lisbon	Ulissipo (Phoenician)	Portugal	1200 BCE	O
Cádiz	Carthaginian Iberia	Andalusia, Spain	1104 BCE	O
Patras	Mycenaean Greece	Greece	1100 BCE	O
Chios	Chios	North Aegean, Greece	1100 BCE	O
Nicosia	Mycenaean Greece	Cyprus	1050 BCE	N
Zadar	Illyricum	Croatia	1000 BCE	O
Mtskheta	Caucasian Iberia	Georgia	1000 BCE	N
Mytilene	Lesbos	North Aegean, Greece	10th c. BCE	O
Vani	Colchis	Imereti, Georgia	<8th c. BCE	N
Seville	Iron Age Iberia	Andalusia, Spain	8th c. BCE	R
Málaga	Iron Age Iberia	Andalusia, Spain	8th c. BCE	O
Mdina	Antiquity Malta	Malta	8th c. BCE	N
Cagliari	Sardinia	Sardinia, Italy	8th c. BCE	O
Messina aka Zancle	Sicily	Sicily, Italy	8th c. BCE	O
Rome	Latium	Lazio, Italy	753 BCE	R
Reggio di Calabria aka Rhégion	Magna Graecia	Calabria, Italy	743 BCE	O
Palermo aka Ziz	Phoenicia	Sicily, Italy	734 BCE	O
Syracuse	Sicily	Sicily, Italy	734 BCE	O
Volterra	Tuscany	Tuscany, Italy	725 BCE	N
Crotone aka Kroton	Calabria	Magna Graecia, Italy	710 BCE	O
Taranto aka Taras	Magna Graecia	Apulia, Italy	706 BCE	O
Corfu, Kerkyra	Corfu	Ionian Islands, Greece	700 BCE	O
Kerch aka Panticapaeum	pre-Roman Crimea	Crimea	7th c. BCE	O
Feodosiya aka Theodosia	pre-Roman Crimea	Crimea	7th c. BCE	O
Naples	Magna Graecia	Italy	680 BCE	O
Ibiza aka Ybsm	Balearic Islands	Spain	654 BCE	O
Durrës	Illyria	Albania	627–625 BCE	O
Sozopol	Thrace	Burgas Province, Bulgaria	610 BCE	O
Edessa, Greece	Macedonia	Greece	<6th c. BCE	N
Marseille aka Massilia	Gaul	France	600 BCE	O
Kavala	Macedonia	Greece	6th c. BCE	O
Mangalia	Dacia	Romania	6th c. BCE	O
Constanţa	Dacia	Romania	6th c. BCE	O
Mantua	Po Valley	Lombardy, Italy	6th c. BCE	N
Milan	Po Valley, Cisalpine Gaul	Lombardy, Italy	6th c. BCE	N
Ophiusa aka Tyras	Bessarabia	Ukraine	6th c. BCE	O
Kutaisi	Colchis	Imereti province, Georgia	6th c. BCE	N
Varna	Thrace	Bulgaria	585–570 BCE	O
Emporion	Iberia	Catalonia, Spain	575 BCE	O
Lamia		Greece	<5th c. BCE	N
Serres	Macedonia	Greece	5th c. BCE	N
Veria	Macedonia	Greece	432 BCE	N
Rhodes	Rhodes, Aegean Sea	Dodecanese, Greece	408 BCE	O
Plovdiv	Thrace	Plovdiv Province, Bulgaria	4th c. BCE	N
Bitola aka Heraclea Lyncestis	Macedonia (ancient kingdom)	North Macedonia	4th c. BCE	N
Sofia	Moesia	Sofia Valley, Bulgaria	4th c. BCE	N
Metz	Gaul	France	4th c. BCE	R
Roses aka Rhode	Iberia	Catalonia, Spain	4th c. BCE	O
Qabala aka Kabalaka	Caucasian Albania	Azerbaijan	4th c. BCE	N
Stara Zagora	Thrace	Bulgaria	342 BCE	N
Thessaloniki	Macedonia (ancient kingdom)	Greece	315 BCE	O
Berat	Macedonia (ancient kingdom)	Albania	314 BCE	N
Vukovar	Illyria	Croatia	3000 BCE	R
Barcelona aka Barcino	Iberia	Catalonia, Spain	3rd c. BCE	O
Belgrade	Illyria	Serbia	279 BCE	R
Niš	Illyria	Serbia	279 BCE	N
Matera	Latium	Basilicata, Italy	>251 BCE	N

Name	*Historical location(s)*	*Current location*	*Founding*	*Port*
Cartagena aka Carthago Nova	Iberia	Spain	228 BCE	O
Tarragona aka Tarraco	Iberia	Catalonia, Spain	218 BCE	O
Stobi/Gradsko	Macedonia	North Macedonia	217 BCE	N
Bratislava	Pannonia	Slovakia	2nd c. BCE	R
Valencia	Iberia	Valencia, Spain	138 BCE	O
Sremska Mitrovica	Illyria	Serbia	1st c. BCE	R
Smederevo	Illyria	Serbia	1st c. BCE	R
Ptuj	Pannonia	Slovenia	1st c. BCE	R
Évora	Lusitania	Portugal	53 BCE	N
Paris	Lutetia	France	52 BCE	R
Zürich (Lindenhof)	Gaul	Switzerland	50 BCE	N
Cologne	Germania Inferior	Germany	38 BCE	R
Trier	Gallia Belgica	Germany	30 BCE	R
Neuss	Germania Inferior	Germany	16 BCE	R
Nijmegen	Germania Inferior	Netherlands	17 BCE	R
Augsburg	Raetia, Roman Empire	Germany	15 BCE	N
Chur	Raetia Prima	Grisons, Switzerland	15 BCE	R
Worms	Germania Superior	Germany	14 BCE	R
Skopje	Macedonia (Roman province)	North Macedonia	13–11 BCE	N
Strasbourg	Germania Superior	France	12 BCE	R
Tongeren	Germania Inferior	Belgium	10 BCE	N
	OCEANIA			
Sydney	New South Wales	Australia	1788	O
Hobart	Tasmania	Australia	1803	O
George Town	Tasmania	Australia	1804	O
Newcastle	New South Wales	Australia	1804	O
Launceston	Tasmania	Australia	1806	R
Bluff	Southland	New Zealand	1824	O
Brisbane	Queensland	Australia	1825	R
Albany	Western Australia	Australia	1827	O
Perth	Western Australia	Australia	1829	R
Melbourne	Victoria	Australia	1835	O
Adelaide	South Australia	Australia	1836	O
Wellington	Wellington Region	New Zealand	1839	O
Auckland	Auckland Region	New Zealand	1840	O
Darwin	Northern Territory	Australia	1869	O
Canberra	Australian Capital Territory	Australia	1913	N

c.: century *m.:* millennium **<**: before **>**: after All dates approximate. *O* (ocean port, even if small), *R* (river port on navigable river leading to ocean), *N* (no ocean access, i.e., >10km from a port or ocean). *Source for cities and founding dates:* https://en.wikipedia.org/wiki/List_of_oldest_continuously_inhabited_cities

Table C.2: Contemporary Megalopolises

City	*Country*	*Population*	*Port*	*City*	*Country*	*Population*	*Port*
Tokyo	Japan	37,868,229	O	Johannesburg	South Africa	9,616,000	N
Shanghai	China	34,000,000	R	Qingdao	China	9,600,000	O
Jakarta	Indonesia	31,689,592	O	Bogotá	Colombia	9,286,225	N
Seoul (Busan)	South Korea	25,514,000	O	Nagoya	Japan	9,107,000	O
Guangzhou	China	25,000,000	O	San Francisco Bay	United States	8,841,475	O
Beijing	China	24,900,000	N	Bandung	Indonesia	8,495,928	N
Manila	Philippines	29,300,000	O	Boston	United States	8,285,407	O
New York	United States	23,522,861	R	Randstad (Rotterdam)	Netherlands	8,219,380	R
Shenzhen (Shekou)	China	23,300,000	O	Busan	South Korea	8,202,239	O
Delhi	India	21,753,486	N	Milan	Italy	8,173,176	N
Mexico City	Mexico	21,650,668	N	Dallas–Ft Worth	United States	7,994,303	N
São Paulo	Brazil	21,242,939	O	Riyadh	Saudi Arabia	7,739,570	N
Lagos	Nigeria	21,000,000	R	Shenyang	China	7,700,000	N
Mumbai	India	20,748,395	O	Wenzhou	China	7,600,000	R
Cairo	Egypt	20,500,000	H	Pune	India	7,541,946	N
Kyoto-Kobe (Osaka)	Japan	19,342,000	O	Hong Kong	China	7,409,800	O
Wuhan	China	19,000,000	R	Nanchang	China	7,400,000	R
Los Angeles	United States	18,764,814	O	Yangon	Myanmar	7,360,703	R
Chengdu	China	18,100,000	N	Philadelphia	United States	7,204,035	R
Dhaka	Bangladesh	17,151,925	R	Kuala Lumpur	Malaysia	7,200,000	O
Chongqing	China	17,000,000	R	Houston	United States	7,197,883	R
Karachi	Pakistan	16,900,000	O	Taipei–Keelung	Taiwan	7,045,488	R
Moscow	Russia	16,855,000	N	Miami	United States	6,879,772	O
Tianjin	China	15,400,000	R	Santiago	Chile	6,683,852	N
Istanbul	Turkey	15,067,724	R	Atlanta	United States	6,630,231	N
Bangkok	Thailand	14,626,225	R	Madrid	Spain	6,549,520	N
Kolkata	India	14,617,882	R	Luanda	Angola	6,542,944	O
Tehran	Iran	14,595,904	N	Toronto	Canada	6,417,516	O
London	United Kingdom	14,187,146	H	Ahmedabad	India	6,352,254	N
Hangzhou	China	13,400,000	R	Saint Petersburg	Russia	6,200,000	O
Chennai	India	13,300,253	O	Berlin-Brandenburg	Germany	6,004,857	H
Surabaya	Indonesia	13,123,948	O	Munich	Germany	5,900,000	N
Buenos Aires	Argentina	13,074,000	O	Belo Horizonte	Brazil	5,873,841	N
Xi'an	China	12,900,000	N	Kanpur	India	5,873,588	N
Paris	France	12,568,755	H	Frankfurt	Germany	5,821,523	R
Changzhou	China	12,400,000	O	Singapore	Singapore	5,535,000	O
Kinshasa	DR Congo	12,350,000	N	Barcelona	Spain	5,445,904	O
Rio de Janeiro	Brazil	12,330,186	O	Ankara	Turkey	5,346,518	N
Hyderabad	India	12,252,068	N	Detroit	United States	5,353,002	R
Shantou	China	12,000,000	R	Caracas	Venezuela	5,322,310	N
Nanjing	China	11,700,000	R	Dubai-Sharjah-Ajman	UAE	5,300,000	O
Bangalore	India	11,695,110	N	Stuttgart	Germany	5,300,000	N
Rhine-Ruhr	Germany	11,471,000	R	Sydney	Australia	5,230,330	O
Lahore	Pakistan	11,070,000	N	Hamburg	Germany	5,100,000	R
Jinan	China	11,000,000	H	Melbourne	Australia	4,963,349	O
Harbin	China	10,500,000	R	Guadalajara	Mexico	4,909,287	N
Lima (Callao)	Peru	9,886,647	O	Alexandria	Egypt	4,778,000	O
Chicago	United States	9,866,910	O	Phoenix	United States	4,911,851	N
Wash,/Baltimore	United States	9,797,063	R	Seattle	United States	4,853,364	O
Zhengzhou	China	9,700,000	H	Monterrey	Mexico	4,603,254	N

One hundred largest metropolitan areas in 2019. *Port: O* (ocean port), *R* (river or lake port with access ocean), *H* (historic river port), *N* (no ocean access). *Source for population:* en.wikipedia.org/wiki/List_of_metropolitan_areas_by_population

Table C.3: European Colonies and Ports

Colony	*Col*	*Lock*	*Capital*	*Port*
NORTH AMERICA				
Canadian colonies	UK	No	Ottawa	RP
Massachusetts Bay	UK	No	Boston	OP
New Hampshire	UK	No	Portsmouth	OP
Rhode Island/Providence Plantations	UK	No	Providence	OP
Connecticut	UK	No	Hartford	RP
New York	UK	No	New York	OP
New Jersey	UK	No	Burlington	RP
Pennsylvania	UK	No	Philadelphia	RP
Delaware	UK	No	New Castle	RP
Maryland	UK	No	Annapolis	RP
Virginia	UK	No	Jamestown/Williamsburg	RP
North Carolina	UK	No	Brunswick town	OP
South Carolina	UK	No	Charleston	OP
Georgia	UK	No	Savannah	RP
Bermuda	UK	No	St George	OP
British Honduras	UK	No	Belize City	OP
Mosquito Coast	UK	No	Sandy Bay	RP
New France	FR	No	Quebec City	RP
Île-Royale (Cape Breton Island)	FR	No	Louisbourg	OP
Saint-Domingue (Haiti)	FR	No	Cap-Francais	OP
New Netherlands, (New York)	NL	No	New Amsterdam	OP
MESOAMERICA				
Viceroyalty of New Spain (1535–1821)	ES	No	Ciudad de Mexico	N
Nuevo Reino de León	ES	Yes	Monterrey	N
Nuevo Santander	ES	No	Santander Jimenez	N
Nueva Vizcaya	ES	Yes	Bayombong	N
Santa Fe de Nuevo México	ES	Yes	Santa Fe	N
Nueva Galicia	ES	No	Guadalajara	N
Captaincy General of Cuba	ES	No	Havana	OP
Puerto Rico	ES	No	San Juan	OP
Santo Domingo	ES	No	Santo Domingo	OP
Captaincy General of Guatemala	ES	No	Antigua Guatemala	N
Costa Rica	ES	No	Cartago	N
El Salvador	ES	No	San Salvador	N
East Florida	ES	No	St Augustine	OP
West Florida	ES	No	Pensacola	OP
CARIBBEAN				
Bahamas	UK	No	Charles Town (Nassau)	OP
Barbados	UK	No	Bridgetown	OP
Jamaica	UK	No	Spanish Town	RP
Leeward Islands	UK	No	St. John (Antigua)	OP
Antigua and Barbuda	UK	No	St. John (Antigua)	OP
Dominica	UK	No	Roseau	OP
St Kitts-Nevis	UK	No	Basseterre	OP
Windward Islands	UK	No	St George's (Grenada)	OP
Grenada	UK	No	St George's	OP
Saint Lucia	UK	No	Castries	OP
Saint Vincent and the Grenadines	UK	No	Kingstown	OP
Montserrat	UK	No	Plymouth	OP
Anguilla	UK	No	The Valley	OP
Haiti	FR	No	Port-au-Prince	OP
Saint Barthélemy	FR	No	Gustavia	OP
Tobago	FR	No	Scarborough (Port Louis)	OP
Spanish West Indies	ES	No	Santo Domingo	OP
Sint Eustatius	NL	No	Oranjestad	OP

Colony	*Col*	*Lock*	*Capital*	*Port*
		SOUTH AMERICA		
British Guiana	UK	No	Georgetown	OP
Falkland Islands	UK	No	Stanley (Port Jackson)	OP
South Georgia	UK	No	King Edward Point	OP
Iles Malouines (Falkland Islands)	FR	No	Port Louis	OP
French Guiana	FR	No	Cayenne	OP
Berberice	NL	No	Fort Nassau	RP
Demerara	NL	No	Stabroek	OP
Surinam	NL	No	Paramaribo	OP
Essequibo	NL	No	Fort Kyk-Over-Al	RP
Brazil	PT	No	Sao Salvador	OP
Perú	ES	No	Lima	OP
New Granada	ES	No	Santa Fe de Bogota	N
Río de la Plata	ES	No	Asuncion	RP
Captaincy General of Chile	ES	No	Santiago	N
Upper Peru	ES	Yes	La Paz	N
Captaincy General of Venezuela	ES	No	Santiago de Leon de Caracas	N
Banda Oriental	ES	No	Montevideo	OP
Royal Audiencia of Quito	ES	No	Quito	N
		AFRICA		
Belgian Congo (D. R. Congo)	BE	No	Leopoldville (Kinshasa)	RP
Ruanda-Urundi (Rwanda and Burundi)	BE	Yes	Usumbura	N
Anglo-Egyptian Sudan (Sudan)	UK	No	Khartoum	RP
Basutoland (Lesotho)	UK	Yes	Maseru	N
Bechuanaland (Botswana)	UK	Yes	Mafikeng	N
British East Africa (Kenya)	UK	No	Mombasa	OP
British Somaliland (Northern Somalia)	UK	No	Hargeisa	N
British Togoland (Eastern Ghana)	UK	No	Ho	N
British Cameroons	UK	No	Buea	N
British Egypt	UK	No	Cairo	RP
Gambia Colony and Protectorate	UK	No	Bathurst (Banjul)	OP
Gold Coast (Ghana)	UK	No	Accra	OP
Colonial Nigeria	UK	No	Lagos	OP
Niger Coast Protectorate	UK	No	Old Calabar	RP
Northern Nigeria Protectorate	UK	Yes	Zungeru	N
Southern Nigeria Protectorate	UK	No	Accra	OP
Northern Rhodesia (Zambia)	UK	Yes	Livingstone	N
Nyasaland (Malawi)	UK	Yes	Zomba	N
Sierra Leone Colony and Protectorate	UK	No	Freetown	OP
British Cape Colony	UK	No	Cape Town	OP
Colony of Natal	UK	No	Pietermaritzburg	N
Orange Free State	UK	Yes	Bloemfontein	N
Transvaal Colony	UK	Yes	Pretoria	N
South-West Africa (Namibia)	UK	No	Windhoek	N
Walvis Bay	UK	No	Walvis Bay	OP
Southern Rhodesia (Zimbabwe)	UK	Yes	Salisbury (Harare)	N
Swaziland (Eswatini)	UK	Yes	Mbabane	N
Tanganyika Territory (mainland Tanzania)	UK	No	Dar Es Salaam	OP
Uganda Protectorate	UK	Yes	Entebbe	N
Sultanate of Zanzibar (insular Tanzania)	UK	No	Stone Town	OP
Comoros	FR	No	Moroni	OP
French Dahomey (Benin)	FR	No	Porto-Novo	OP
French Algeria	FR	No	Algiers	OP
French Cameroons	FR	No	Yaounde	N
French Chad	FR	Yes	Fort Lami	N
French Congo (Republic of Congo)	FR	No	Brazzaville	RP
French Guinea (Guinea)	FR	No	Conakry	OP
French Upper Volta (Burkina Faso)	FR	Yes	Ouagadougou	N
French Somaliland (Djibouti)	FR	No	Djibouti City	OP
French Sudan (Mali)	FR	Yes	Bamako	N

Colony	*Col*	*Lock*	*Capital*	*Port*
French Togoland (Togo)	FR	No	Lome	OP
French Madagascar	FR	No	Tananarive	N
Gabon	FR	No	Libreville	OP
Ivory Coast (Côte d'Ivoire)	FR	No	Abidjan	OP
Colonial Mauritania	FR	No	Saint Louis (exterritorial)	OP
French Morocco	FR	No	Rabat	OP
Oubangui-Chari (Central African Republic)	FR	Yes	Abiras	N
Senegal	FR	No	Dakar	OP
Upper Senegal and Niger	FR	No	Bamako	RP
Colony of Niger	FR	Yes	Niamey	RP
French Tunisia	FR	No	Tunis	OP
German East Africa (Burundi, Rwanda, Tanzania)	DE	No	Dar Es Salam	OP
German South-West Africa (Namibia)	DE	No	Windhoek	N
Kamerun	DE	No	Buea	N
Togoland	DE	No	Lome	OP
Italian Eritrea	IT	No	Asmara	N
Italian Somaliland	IT	No	Mogadishu	OP
Italian Libya	IT	No	Tripoli	OP
Dutch Cape Colony	NL	No	Castle of Good Hope	OP
Angola	PT	No	Luanda	OP
Cape Verde (Cabo Verde)	PT	No	Praia	OP
Ceuta	PT	No	Ceuta	OP
Malindi	PT	No	Malindi	OP
Fernando Po (Bioko)	PT	No	Bioko	OP
Mombasa	PT	No	Mombasa	OP
Mozambique	PT	No	Stone Town	OP
Portuguese Guinea (Guinea-Bissau)	PT	No	Bolama	OP
São Tomé and Príncipe	PT	No	São Tomé	OP
Tangier	PT	No	Tangier	OP
Zanzibar	PT	No	Pemba	OP
Ziguinchor	PT	No	Ziguinchor	RP
Bona (Annaba)	ES	No	Annaba	OP
Bougie (Bejaia)	ES	No	Bejaia	OP
Oran	ES	No	Oran	OP
Spanish Protectorate in Morocco	ES	No	Tetuan	OP
Spanish West Africa	ES	No	El Aauin	OP
MIDDLE EAST				
Aden Colony	UK	No	Aden	OP
Bahrain	UK	No	Manama	OP
Mandatory Iraq	UK	No	Baghdad	RP
Sheikhdom of Kuwait	UK	No	Kuwait City	OP
Muscat and Oman	UK	No	Muscat	OP
Mandatory Palestine	UK	No	Jerusalem	N
Qatar	UK	No	Doha	OP
Emirate of Transjordan	UK	Yes	Amman	N
Greater Lebanon	FR	No	Beirut	OP
Syria	FR	No	Damascus	N
Bandar Abbas	PT	No	Comorao	OP
Hormuz	PT	No	Hormuz	OP
Muharraq Island	PT	No	Muharraq	OP
Qeshm	PT	No	Qeshm	OP
SOUTH ASIA				
Mauritius	UK	No	Port Louis	OP
Seychelles	UK	No	Victoria	OP
British India	UK	No	Calcutta	RP
Burma (Myanmar)	UK	No	Rangoon	RP
Ceylon (Sri Lanka)	UK	No	Colombo	OP
French India	FR	No	Pondichery	OP
Dutch India (Coromandel)	NL	No	Pulicat	OP
Maldives	PT	No	Male	OP

Colony	*Col*	*Lock*	*Capital*	*Port*
Bombay	PT	No	Bombay	OP
Calicut	PT	No	Calicut	OP
Cannanore	PT	No	Kannur	OP
Chaul	PT	No	Chaul	OP
Chittagong	PT	No	Chittagong	OP
Cochin	PT	No	Cochin	OP
Dadra and Nagar Haveli	PT	No	Dadra and Nagar Haveli	OP
Daman and Diu	PT	No	Daman and Diu	OP
Goa	PT	No	Velha Goa	OP
Hughli	PT	No	Hughli-Chinsurah	RP
Masulipatnam	PT	No	Masulipatnam	OP
Mangalore	PT	No	Mangalore	OP
Surat	PT	No	Surat	OP
Syriam	PT	No	Syriam	OP
		ASIA-PACIFIC		
New South Wales	UK	No	Sydney	OP
Queensland	UK	No	Brisbane	OP
South Australia	UK	No	Adelaide	OP
Swan River Colony/Western Australia	UK	No	Perth	OP
Van Diemen's Land (Tasmania)	UK	No	Hobart	OP
Victoria	UK	No	Melbourne	OP
British Solomon Islands	UK	No	Tulagi	OP
British Western Pacific Territories	UK	No	Suva (Fiji)	OP
Brunei	UK	No	Bandar Seri Begawan	RP
Colonial Fiji	UK	No	Suva	OP
Gilbert and Ellice Islands (Kiribati & Tuvalu)	UK	No	Tarawa	OP
Kingdom of Rarotonga (Cook Islands)	UK	No	Avarua	OP
New Zealand	UK	No	Wellington	OP
New Hebrides/Vanuatu – shared UK & France	UK	No	Port Vila	OP
Niue	UK	No	Alofi	OP
Federated Malay States	UK	No	Kuala Lumpur	RP
Straits Settlements	UK	No	Singapore	OP
Johor	UK	No	Johor Bahru	OP
Kelantan	UK	No	Kota	OP
Terengganu	UK	No	Kuala Terengganu	OP
Labuan	UK	No	Victoria	OP
North Borneo (Sabah)	UK	No	Sandakan	OP
Kingdom of Sarawak	UK	No	Kuching	OP
Singapore	UK	No	Singapore	OP
Territory of New Guinea	AU	No	Rabaul	OP
Western Samoa	NZ	No	Apia	OP
Territory of Papua	AU	No	Port Moresby	OP
Tonga	UK	No	Nuku'alofa	OP
Hong Kong	UK	No	Hong Kong	OP
Cambodia	FR	No	Phnom Penh	RP
Laos	FR	Yes	Vientiane	RP
Annam	FR	No	Hue	RP
Cochinchina	FR	No	Saigon	RP
Tonkin	FR	No	Hanoi	RP
Caroline Islands	ES	No	Palikir	OP
Jiaozhou Bay (Kiautschou)	DE	No	Kiautschou	OP
German New Guinea	DE	No	Herbertshöhe	OP
Marshall Islands	DE	No	Majuro	OP
Nauru	DE	No	Denigomodu	OP
Dutch East Indies (Indonesia)	NL	No	Batavia (Jakarta)	OP
Malacca	NL	No	Malacca Town	OP
Dutch Formosa	NL	No	Zeelandia	OP
Dejima	NL	No	Dejima	OP
Flores	PT	No	Maumere	OP
Macau	PT	No	Macau	OP
Moluccas	PT	No	Ambon	OP

Colony	*Col*	*Lock*	*Capital*	*Port*
Portuguese Timor (Timor-Leste)	PT	No	Dili	OP
Philippines	ES	No	Manila	OP

Col (principal colonizer): *BE* (Belgium), *DE* (Germany), *ES* (Spain), *FR* (France), *IT* (Italy), *NL* (Netherlands), *PT* (Portugal), *UK* (United Kingdom/Britain). *Lock:* landlocked. *Port (for capital): OP* (ocean port), *RP* (river or lake port with access to ocean), *N* (no ocean access).

Table C.4: Inland and Coastal Cities

Country	*Inland cities*	*Coastal cities*
Russia*	Moscow, Nizhniy Novgorod, Novosibirsk, Yekaterinburg	St. Petersburg, Sochi, Vladivostok
Estonia*	Tartu	Tallinn
Latvia*	Daugavpils	Riga
Lithuania	Vilnius	Klaipeda
Sweden*	Upsala	Gothenburg, Malmo, Stockholm
Finland*	Tampere	Helsinki, Oulu, Turku
Poland*	Krakow, Lodz, Poznan, Warsaw	Gdansk
Germany*	Berlin, Frankfurt, Hanover, Koln, Munchen, Stuttgart	Bremen, Hamburg, Lubeck
Netherlands*	Eindhoven, Utrecht	Amsterdam, Rotterdam, The Hague
Belgium*	Bruxelles, Charleroi, Ghent	Antwerp, Bruges
France*	Bordeaux, Lille, Lyon, Nantes, Paris, Strasbourg,	Le Havre, Marseille, Montpellier, Nice
Portugal*	Braga, Coimbra	Lisbon, Porto
Spain*	Madrid, Murcia, Seville, Zaragoza	Barcelona, Malaga, Valencia
Italy*	Bologna, Florence, Milan, Rome, Turin	Genoa, Naples, Palermo, Venice
UK*	Glasgow, Leeds, London, Manchester	Cardiff, Edinburgh, Liverpool
Croatia*	Zagreb	Dubrovnik, Rijeka, Split, Zadar
Albania*	Elbasan, Tirana	Durres, Vlore
Montenegro*	Niksic, Podgorica	Bar, Herceg-Novi
Greece*	Larissa, Trikala	Athens, Patras, Thessaloniki, Volos
Turkey*	Ankara, Adana, Bursa, Gaziantep	Antalya, Istanbul, Izmir
Iran*	Isfahan, Karaj, Mashhad, Tabriz, Tehran	Bandar Abbas, Bandar Siraf
Georgia*	Kutaisi, Rustavi, Tbilisi	Batumi, Poti
Syria*	Aleppo, Damascus, Daraa, Homs	Latakia, Tartus
Israel*	Jerusalem	Haifa, Tel Aviv
Iraq*	Baghdad, Erbil, Mosul	Basrah
Yemen*	Ibb, Sana'a, Taiz	Aden, Mukalla
Oman	Ibri, Nizwa	Muscat, Salalah, Seeb, Sohar
Saudi Arabia*	Mecca, Medina, Riyadh	Jeddah
UAE*	Al-Ain	Abu Dhabi, Dubai, Sharjah
Qatar	Al Rayyan	Doha
Egypt*	Cairo, Giza, Shubra El-Kheima	Alexandria, Port Said
Tunisia*	Kairouan	Sfax, Sousse, Tunis
Algeria*	Bechar, Blida, Constantine	Algiers, Annaba, Oran
Morocco	Fes, Marrakesh	Casablanca, Rabat, Tangier
Mauritania	Kiffa, Nema	Nouadhibou, Nouakchott
Senegal	Tambacounda, Touba	Dakar
Gambia	Bansang, Brikama	Bakau, Banjul, Kololi
Guinea-Bissau	Bafata, Bossora, Gabu	Bissau, Bolama
Guinea	Boke, Kankan, Kindia	Boffa, Conakry
Sierra Leone	Bo, Kenema, Makene	Freetown, Waterloo
Liberia	Bensonville, Gbarnga, Kakata	Greenville, Monrovia
Ivory Coast	Abobo, Bouake, Daloa	Abidjan, San-Pedro
Ghana	Kumasi, Sekondi-Takoradi, Sunyani	Accra, Cape Coast, Takoradi
Togo	Atakpame, Kara, Sokode	Grand Popo, Lome
Benin	Abomey, Djougou, Parakou	Cotonou, Porto Novo
Nigeria	Ibadan, Kaduna, Kano	Lagos, Port Harcourt
Cameroon	Garoua, Yaounde	Douala
Eq. Guinea	Aconibe, Ebebiyin	Bata, Malabo
Gabon	Franceville, Moanda, Oyem	Libreville, Port-Gentil
Congo, Rep	Brazzaville, Dolisie	Pointe-Noire

Country	*Inland cities*	*Coastal cities*
DRC	Kinshasa, Lumumbashi	Goma, Kisangani, Matadi
Angola	Huambo, N'datalango	Lobito, Luanda
Namibia	Rundu, Windhoek	Walvis Bay
South Africa*	Johannesburg, Pretoria, Soweto	Cape Town, Durban
Mozambique	Chimoio, Nampula	Maputo, Matola, Beira
Tanzania	Arusha, Dodoma, Mbeya, Mwanza	Dar-Es-Salam, Mtwara
Kenya	Nairobi, Nakuru, Ruiuru	Mombasa
Somalia	Hargeisa	Berbera, Kismayo, Mogadishu
Djibouti	Al-Sabih, Dikhil	Djibouti, Obock, Tadjoura
Eritrea	Asmara, Keren	Assab, Massawa
Sudan	Khartoum, Nyala, Omdurman	Port-Sudan
Pakistan*	Faisalabad, Islamabad, Lahore, Rawalpindi	Karachi
India*	Hyderabad, Jaipur, Nagpur, New Delhi	Chennai (Madras), Kolkata (Calcutta), Kozhikode (Calicut), Mangalore, Mumbai, Surat, Visakhapatnam (Vizag, Waltair)
Bangladesh	Dhaka, Khulna, Rajshashi	Chittagong
Myanmar	Mandalay, Naypiydaw	Yangon (Rangoon), Mawlamyine
Thailand	Udon Thani, Nonthaburi	Bangkok, Samut Prakan, Chon Buri
Cambodia	Battambang, Phnom Penh, Siem Reap	Preah Sihanouk
Vietnam	Hanoi	Danang, Haiphong, Ho Chi Minh (Saigon)
China*	Beijing, Chengdu, Chongqing, Wuhan	Guangzhou, Shanghai, Shenzhen, Tianjin
South Korea*	Daegu, Daejeon	Busan, Incheon, Seoul
North Korea	Kaesong, Pyongyang	Nampo, Rason
Japan	Kyoto	Nagoya, Osaka, Sapporo, Tokyo
Philippines	Caloocan, Quezon City	Davao City, Manila
Malaysia*	Ipoh, Medan	Bahru, George Town, Johor, Kuala Lumpur
Indonesia	Bandung, Depok	Jakarta, Makassar, Medan, Surabaya
Chile	Puente Alto, Santiago	Antofagasta, Valparaiso, Vina del Mar
Peru	Arequipa, Iquitos, Piura	Callao, Lima, Trujillo
Ecuador	Cuenca, Quito, Santo Domingo	Guayaquil, Manta
Colombia	Bogota, Cali, Medellin	Barranquilla, Cartagena
Venezuela	Barquisimeto, Valencia	Caracas, Maracaibo
Guyana	Linden	Georgetown, New Amsterdam
Suriname	Brokopondo, Lelydorp	Nieuw Nickerie, Paramaribo
Brazil*	Brasilia, Belo Horizonte, Manaus, São Paulo	Fortaleza, Recife, Rio de Janeiro, Salvador
Uruguay	Paysandu, Salto	Ciudad de la Costa, Montevideo
Argentina	Cordoba, Rosario	Buenos Aires, La Plata
Panama	Santiago	Colon, David, Panama City
Costa Rica	Liberia, San Jose	Limon, Puntarenas
Nicaragua	Leon, Managua, Masaya	Bluefields, Puerto Cabezas
Honduras	Choloma, San Pedro Sula, Tegucigalpa	La Ceiba, Tela
El Salvador	Santa Ana, San Miguel, San Salvador	La Libertad
Guatemala	Guatemala, Quetzaltenango	Puerto Barrios
Belize	Belmopan, Orange Walk, San Ignacio	Belize City, Dangriga
Mexico	Guadalajara, Juarez, Mexico City, Puebla	Manzanillo, Tijuana, Veracruz
USA*	Chicago, Dallas, Phoenix, San Antonio	Los Angeles, Miami, New York, San Francisco, Washington DC
Canada*	Calgary, Edmonton, Ottawa, Toronto	Quebec City, Vancouver

Coding protocol explained in the text. * Included in analysis in Table 7.4.

APPENDIX D: OVERALL GOVERNANCE

This book has explored the impact of geography and Europeans on democracy. In this short appendix we consider their possible impact on the overall quality of governance.

Unfortunately, we lack precise and reliable indicators of this intangible concept. The measures we adopt are widely used in the literature and are highly correlated with other measures of these concepts. Accordingly, our results are likely to be robust. But this does not obviate the possibility of systematic error.

Corruption is widely viewed as an instance of especially poor governance and as such is an outcome of great interest to policymakers and academics. Corruption perceptions are probably the closest thing we can get to corruption practices on a global scale. The corruption index offering the broadest scope draws on indicators from the V-Dem project, which measures six distinct types of political corruption (petty and grand, bribery and theft, corruption aimed at lawmaking and at implementation) across three governmental units – executive, legislative and judicial (McMann et al. 2019). Coverage extends back to 1789 or the first year of independence but also includes some periods prior to independence. Higher scores represent more corruption.

A second approach to the topic is more wide-ranging conceptually, though narrower in empirical coverage. The Worldwide Governance Indicators, sponsored by the World Bank, attempt to measure six aspects of governance: (a) voice and accountability, (b) political stability and absence of violence/terrorism, (c) government effectiveness, (d) regulatory quality, (e) rule of law, and (f) control of corruption (Kaufmann, Kraay, Mastruzzi 2010). These factors are measured through extensive surveys of citizens and business-people across the past few decades, providing data for a short panel. We drop the first element (a), as it is extremely close to democracy. The latter five variables are combined into a single index which represents the first component from a principal component analysis (which explains 87% of the variance). Higher scores indicate better overall governance.

These two outcomes are subjected to a series of regression tests in Table D.1 (online). To probe the impact of geography we include our core measure of natural harbor distance as well as average temperature, which was shown to have a strong influence on democracy (Chapter 12). To probe the impact of Europeans we include European ancestry as well as the share of Protestants, which was also shown to bear a strong empirical relationship to democracy (Chapter 13), and which previous studies have found to be associated with lower corruption (Gokcekus 2008).

Specifications follow the same protocol for both outcomes. Models 1 and 6 include only geographic variables of theoretical interest. Models 2 and 7 add a large vector of additional geographic covariates – most of which do not show a demonstrable relationship to these outcomes in the expected direction. Models 3 and 7 include a panel of region dummies. Models 4 and 8 add Protestants and European ancestry. Models 9 and 10 add per capita GDP (log).

Models 1-3 and 6-8 are designed to test the impact of geographic factors. They show that natural harbor distance and equator distance are both highly robust predictors of the quality of governance, even when controlling for other geographic factors and regional effects.

Models 4 and 9 are designed to test the impact of Europeans. They show that Protestants and European ancestry are robust predictors of the quality of governance, even when controlling for geography and regional effects.

These tests also offer clues into the causal story that may be at work. Note that the impact of geographic factors attenuates considerably when Protestants and European ancestry are introduced

into the specifications (Models 4 and 9), suggesting that their impact is mediated by these factors. Surprisingly, the impact of Protestants and European ancestry on the quality of governance is not strongly attenuated when per capita GDP is included in the specifications (Models 5 and 10), suggesting that the impact of these factors operates through some other mechanism(s).

Broadly interpreted, these tests dovetail with the patterns observed for democracy in previous chapters. Natural harbor distance is associated with a lower quality of governance while equator distance is associated with a higher quality of governance. The presence of Europeans, measured by Protestants or European ancestry, is associated with a higher quality of governance.

While these analyses are by no means definitive, they strongly suggest that the impact of geography and Europeans extends to outcomes other than democracy. A task for future research is to probe these relationships – uncover exactly how far they extend and what mechanisms might be at work.

Table D.1: **Distal Causes of Governance**

Outcome	**Corruption** (V-Dem)					**Worldwide Governance Indicators** (World Bank)				
Model	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Natural harbor distance	0.016***	0.023***	0.018***	0.005	0.003	-0.203***	-0.111**	-0.188***	-0.107***	-0.030
	(3.698)	(3.188)	(4.214)	(1.192)	(0.569)	(-8.232)	(-2.417)	(-7.528)	(-4.095)	(-1.475)
Equator distance	-0.007***	-0.004*	-0.007***	-0.003*	-0.003**	0.053***	0.084***	0.056***	0.029**	0.014*
	(-8.332)	(-1.875)	(-4.798)	(-1.953)	(-2.315)	(8.168)	(4.726)	(4.429)	(2.385)	(1.778)
Protestants (%)				-0.004***	-0.003***				0.025***	0.019***
				(-5.614)	(-5.034)				(5.603)	(7.132)
European ancestry (%)				-0.003***	-0.003***				0.025***	0.012***
				(-4.599)	(-3.870)				(5.853)	(3.260)
Geographic vars		✓					✓			
Region dummies			✓	✓	✓			✓	✓	✓
GDP pc (log)					✓					✓
States	179	142	179	176	173	189	141	189	187	187
Years	231	221	231	229	222	13	11	13	12	12
Observations	24,278	18,594	24,276	22,154	18,805	2,394	1,551	2,394	2,181	2,181
R2	0.278	0.476	0.314	0.433	0.515	0.380	0.619	0.405	0.537	0.754

Geographic variables: frost days, island, landlock, distance from nearest river, ruggedness, mountains, annual precipitation + precipitation^2, irrigation potential, soil quality, agricultural suitability, desert, crop, pasture, forest, grass, shrub, savanna, barren, water. *Not shown:* Year dummies, Constant. *Estimator:* ordinary least squares, standard errors clustered by state, t statistics in parentheses. ***p<.01 **p<.05 *p<.10

APPENDIX E: EUROPEAN ANCESTRY

This appendix includes data on European ancestry (as described in the text) for 237 territories that enjoyed some degree of self-rule (not necessarily formal independence) at some point from 1600 to the present. Note that these territories are excluded from analyses if there is no corresponding data for the outcome of interest, democracy. This means that data points for years prior to 1789 and for many non-sovereign territories and micro-states are excluded. Note also that territory names used in the following graphs are those currently attached to these entities. Many territories have historic names that we do not reproduce here.

Territories are defined according to modern boundaries. Every effort was made to match historical definitions of countries and territories from the original sources to these modern definitions. In cases where multiple territories were combined into a single state, population estimates (both European and total) were also combined. In cases where a territory was split into multiple states the calculated European ancestry (European population as a percentage of total population calculated prior to smoothing) was duplicated for each state. In a handful of cases where modern boundaries were not the result of either a join or split, it was necessary to both aggregate and split.

Sources are identified on each graph with a source key, as follows. Complete references can be found in Appendix F, Part III.

Source	*ID*
Ady & Hazlewood (1965: 10)	1
Albertini & Wirz (1982: 153)	2
Albertini & Wirz (1982: 202)	3
Albertini & Wirz (1982: 299)	4
Albertini & Wirz (1982: 409)	5
Albertini & Wirz (1982: 428)	6
Alesina et al. (2003)	7
Andrews (2004: 155)	8
Andrews (2004: 207)	9
Andrews (2004: 41)	10
Belich (2009: 28)	11
Bender (1978: 20-21)	12
Bosma (2007: 526), data received from the author via personal communication	13
Charlton-Stevens (2020: 679)	14
CIA World Factbook	15
Clark (1936: 34-5)	16
Coghlan (1902: 530)	17
Curtin et al (1995: 293)	18
Curtin et al (1995: 435)	19
Easterly & Levine: Baron Castro (1942) -- p. 234;	20
Easterly & Levine: Baron Castro (1942) -- p. 254;	21
Easterly & Levine: Baron Castro (1942) -- p. 273;	22
Easterly & Levine: Baron Castro (1942) -- p. 453; the authors do not trust these numbers, which were constructed by John Galindo for the Royal Geographical Society and which were used by Squier. Both authors agreed that the percentage of whites was too high.	23
Easterly & Levine: Baron Castro (1942) -- p. 527; one has to be careful here, since white could be born in SLV and not be European	24
Easterly & Levine: Cáceres (2000) -- p. 3;	25
Easterly & Levine: Census -- web	26
Easterly & Levine: Constantino (1975) -- p.122; "by the middle of the 19 century"	27

Source	*ID*
Easterly & Levine: Cook and Borah (1974) -- p. 197;	28
Easterly & Levine: Cook and Borah (1974) -- p. 208-209; data excludes West region; totals taken fron Table B, others from column 5 in B,C,D	29
Easterly & Levine: Cook and Borah (1974) -- p. 214-215; Totals constrcuted from data in A column 2 and B column 4;	30
Easterly & Levine: Dawson (1925) -- p.27	31
Easterly & Levine: Deerr (1950) -- Vol. II, p. 279;	32
Easterly & Levine: Dunn (1973) -- p. 155;	33
Easterly & Levine: Dunn (1973) -- p.88; from census 1680	34
Easterly & Levine: Eisner (1961) -- p.153;	35
Easterly & Levine: Engerman (2000) -- p.498;	36
Easterly & Levine: Engerman (2000) -- p.499;	37
Easterly & Levine: Engerman (2000) -- p.499; includes Indians	38
Easterly & Levine: Gann and Duignan (1962) -- p.160; Appendix	39
Easterly & Levine: Gann and Duignan (1962) -- p.165; Appendix	40
Easterly & Levine: Gootenberg (1991) -- p. 111; Database uses total population from p. 11, which is slightly different; euroshare in that case 0.126565812	41
Easterly & Levine: Haines and Steckel (2000) -- p. 306	42
Easterly & Levine: Hourani (1992) -- p.270	43
Easterly & Levine: Iliffe (1995) -- p.169; Population from Maddison	44
Easterly & Levine: Iliffe (1995) -- p.224	45
Easterly & Levine: Iliffe(1995) -- p.225	46
Easterly & Levine: Jones (1994) -- p;. 166-167; Estimated by author; Whites is really Spaniards and Ladinos	47
Easterly & Levine: Jones (1994) -- p;. 166-167; Estimated by author; Whites is really Spaniards, blacks and mulattos	48
Easterly & Levine: Mamalakis (1980) -- p. 8;	49
Easterly & Levine: McEvedy and Jones (1978) -- p. 291-293;	50
Easterly & Levine: McEvedy and Jones (1978) -- p. 291;	51
Easterly & Levine: McEvedy and Jones (1978) -- p. 300; African component 100%	52
Easterly & Levine: McEvedy and Jones (1978) -- p. 301 African Component, 80%	53
Easterly & Levine: McEvedy and Jones (1978) -- p. 301; African component 33%	54
Easterly & Levine: McEvedy and Jones (1978) -- p. 301; African component 66%	55
Easterly & Levine: McEvedy and Jones (1978) -- p. 301; African component 75%	56
Easterly & Levine: McEvedy and Jones (1978) -- p. 301; African component 90%	57
Easterly & Levine: McEvedy and Jones (78) -- p.337; Population from Maddison	58
Easterly & Levine: Merrick (1979) -- p. 29;	59
Easterly & Levine: Ominde (1968) -- p.85	60
Easterly & Levine: Ominde (1975) -- p. 41, Table 4.6	61
Easterly & Levine: Ominde (1975) -- p. 48, Table 4.6; These figures are only for citizens	62
Easterly & Levine: Ominde (1975) -- p.4, total; p.45, Europeans	63
Easterly & Levine: Rivarola and Heiseke (1969) -- p. 13; The year is not determined with 100% assurance	64
Easterly & Levine: Roberto Sosa (1999) -- p. 395	65
Easterly & Levine: Rogers (1962) -- p. 12; Table 1; total populations are estimates, although European shares are given by author.	66
Easterly & Levine: Rogozinski (1994) -- p. 114;	67
Easterly & Levine: Rogozinski (1994) -- p. 186	68
Easterly & Levine: Rogozinski (1994) -- p. 186;	69
Easterly & Levine: Rogozinski (1994) -- p. 87;	70
Easterly & Levine: Rogozinski (1994) -- p.;201;	71
Easterly & Levine: Rogozinski (1994) -- p.112; only Antigua	72
Easterly & Levine: Rogozinski (1994) -- p.117	73
Easterly & Levine: Rogozinski (1994) -- p.120; only Trinidad	74
Easterly & Levine: Rogozinski (1994) -- p.163;	75
Easterly & Levine: Rogozinski (1994) -- p.186;	76
Easterly & Levine: Rogozinski (1994) -- p.68	77
Easterly & Levine: Rosenblat (1954) -- p. 20; Total and non-white population given, whites assumed to be others not reported	78
Easterly & Levine: Rosenblat (1954) -- p. 20; Total and non-white population given, whites assumed to be others not reported; use reported values of panama plus canal area	79
Easterly & Levine: Rosenblat (1954) -- p. 36; The author gives a total of 4000000, but this is not equal to the sum of the values he gives fo rthe decomposition	80
Easterly & Levine: Rosenblat (1954) -- p. 36; The author gives a total of 800000, but this is not equal to the sum of the values he gives for the decomposition	81
Easterly & Levine: Rosenblat (1954) -- p. 37;	82

Source	*ID*
Easterly & Levine: Rosenblat (1954) -- p. 59	83
Easterly & Levine: Rosenblat (1954) -- p. 59;	84
Easterly & Levine: Sanchez-Albornoz (1973) -- p. 135; Quito only	85
Easterly & Levine: Sanchez-Albornoz (1974) -- p. 139;	86
Easterly & Levine: Time (1942) -- web	87
Easterly & Levine: Toussaint (1977) -- p. 96	88
Easterly & Levine: UN Bulletin (1965) -- p .48-49	89
Easterly & Levine: UN Bulletin (1965) -- p. 48-49; Whites and mixed	90
Easterly & Levine: UN Bulletin (1965) -- p.48-49	91
Easterly & Levine: UN Bulletin (1965) -- p.48-49; Whites, mixed and Asian	92
Easterly & Levine: Vazquez Rial (1999) -- p. 59; Only population of Buenos Aires	93
Easterly & Levine: Vazquez Rial (1999) -- p. 60; Number of foreigners per each 100 natives during the era of immigration	94
Easterly & Levine: Vergara Velasco (1892) -- p. DCLXII-DCLXIII	95
Easterly & Levine: Wells (1975) -- p. 173; total population and % white and blacks from census	96
Easterly & Levine: Wells (1975) -- p. 173; total population and % white and blacks from census. In database used for 1769.	97
Easterly & Levine: Wells (1975) -- p. 183; Total population and % white and blacks	98
Easterly & Levine: Wells (1975) -- p. 196;	99
Easterly & Levine: Wells (1975) -- p. 212; only Antigua	100
Easterly & Levine: Wells (1975) -- p. 253; Only percentages given	101
Easterly & Levine: Wells (1975) -- p.238; All male between 20-30 years	102
Easterly & Levine: Wells (1975) -- p.253; only Tobago	103
Encyclopedia Britannica	104
Etemad (2015: 41)	105
Gann & Duignan (1962: Appendix)	106
Giliomee, Elphick (1979: 360)	107
Groupe de demographie africaine (1982: 178)	108
Groupe de demographie africaine (1982: 188)	109
Groupe de demographie africaine (1982: 3)	110
Groupe de demographie africaine (1982: 328)	111
Groupe de demographie africaine (1982: 8)	112
Groupe de demographie africaine (1984: 235)	113
Groupe de demographie africaine (1984: 240)	114
Groupe de demographie africaine (1984: 245)	115
Groupe de demographie africaine (1984: 301)	116
Groupe de demographie africaine (1984: 336)	117
Groupe de demographie africaine (1984: 6)	118
Hailey (1945: 108-09)	119
Hailey (1957: 144)	120
Haines, Steckel (2000: Table C.1)	121
Haines, Steckel (2000: Table 10.5)	122
Haines, Steckel (2000: Table C.4)	123
Haines, Steckel (2000: tables 11.3, 11.4)	124
http://worldpopulationreview.com/countries/ivory-coast-population/	125
http://worldpopulationreview.com/countries/united-states-virgin-islands-population/	126
http://www.worldstatesmen.org/Yemen.html	127
https://www.infoplease.com/ethnicity-and-race-countries	128
https://www.worldstatesmen.org	129
Kateb (1998: 92)	130
Knight (1978: 238-39)	131
Kruijtzer (2008: 132)	132
Kruijtzer (2008: 137)	133
Kuczynski (1937: 13)	134
Kuczynski (1937: 17-21)	135
Kuczynski (1937: 22-23)	136
Kuczynski (1948, 1949, 1953)	137
Last Observation Carried Forward	138
League of Nations (1941: 24)	139
Lützelschwab (2013: 149)	140
Maddison (2001: 235)	141
Maddison (2001: 87)	142
Maddison (2003: 71)	143
Maddison (2003: 76)	144

Source	*ID*
Martin (2013: Appendix III)	145
McCracken (1967: 1)	146
Nobles (2000: 105)	147
Penvenne (2005: 86)	148
Putterman and Weil (2010)	149
Robinson, Glenn; Personal communication with authors dated October 9, 2018	150
See Section II in text	151
Southworth (1931: 26)	152
US Census	153
Watts (1987: 311)	154
Watts (1987: 313)	155
Watts (1987: 316)	156
Watts (1987: 318)	157
Watts (1987: 320)	158
Watts (1987: 321)	159
Wikipedia	160
Wikipedia (https://en.Wikipedia.org/wiki/Israeli_settlement#Demographics)	161
Wikipedia (Original source: http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=DEC_10_VISF_P3&prodType=table)	162
Wikipedia (Original source: http://lcweb2.loc.gov/frd/cs/pdf/CS_Colombia.pdf, http://www.schwartzman.org.br/simon/coesion_etnia.pdf)	163
Wikipedia (Original source: http://webarchive.loc.gov/all/20110505060445/http%3A//www%2Ecensus%2Egov/prod/cen2010/briefs/c2010br%2D02%2Epdf)	164
Wikipedia (Original source: http://www.anguillanews.com/enews/index.php/permalink/4936.html)	165
Wikipedia (Original source: http://www.barstats.gov.bb/files/documents/PHC_2010_Census_Volume_1.pdf)	166
Wikipedia (Original source: http://www.caricomstats.org/Files/Publications/NCR%20Reports/BVI.pdf)	167
Wikipedia (Original source: http://www.caricomstats.org/Files/Publications/NCR%20Reports/TCI.pdf)	168
Wikipedia (Original source: http://www.censusdata.abs.gov.au/ABSNavigation/prenav/ViewData?action=404&documentproductno=0&documenttype=Details&order=1&tabname=Details&areacode=0&issue=2006&producttype=Census%2BTables&javascript=true&textversion=false&navmapdisplayed=true&breadcrumb=POTLD&&collection=Census&period=2006&productlabel=Ancestry%2B(Region)%2Bby%2BCountry%2Bof%2BBirth%2Bof%2BParents&producttype=Census%2BTables&method=Place%2Bof%2BUsual%2BResidence&topic=Ancestry&, http://kids.britannica.com/comptons/article-258656/Australia)	169
Wikipedia (Original source: http://www.digestyc.gob.sv/servers/redatam/htdocs/CPV2007S/Docs/RESULTADOS_FINALES.pdf)	170
Wikipedia (Original source: http://www.eluniverso.com/2011/09/02/1/1356/poblacion-pais-joven-mestiza-dice-censo-inec.html)	171
Wikipedia (Original source: http://www.ibge.gov.br/home/estatistica/populacao/censo2010/caracteristicas_da_populacao/tabelas_pdf/tab3.pdf)	172
Wikipedia (Original source: http://www.ine.gob.gt/sistema/uploads/2014/02/26/5eTCcFlHErnaNVeUmm3iabXHaKgXtw0C.pdf)	173
Wikipedia (Original source: http://www.ine.gov.ve/CENSO2011/documentos/pdf/ResultadosBasicosCenso2011.pdf)	174
Wikipedia (Original source: http://www.ine.gub.uy/enha2006/flash/Flash%20Ascendencia.pdf)	175
Wikipedia (Original source: http://www.isee.nc/population/recensement/communautes)	176
Wikipedia (Original source: http://www.namibia-travel.net/namibia/people/whites.html)	177
Wikipedia (Original source: http://www.nmhcgov.net/resources/files/NMHC%202015%20AI%20-%20Public%20Review.pdf)	178
Wikipedia (Original source: http://www.soencouragement.org/forms/CENSUS2010084903300.pdf)	179
Wikipedia (Original source: http://www.stats.gov.vc/LinkClick.aspx?fileticket=jSipdTnsXwM%3d&tabid=60)	180
Wikipedia (Original source: http://www.statssa.gov.za/census/census_2011/census_products/Census_2011_Census_in_brief.pdf)	181
Wikipedia (Original source: http://www.zimstat.co.zw/sites/default/files/img/National_Report.pdf)	182
Wikipedia (Original source: https://guardian.co.tt/sites/default/files/story/2011_DemographicReport.pdf)	183
Wikipedia (Original source: https://web.archive.org/web/20080920172933/http://convergencia.uaemex.mx/rev38/38pdf/LIZCANO.pdf, https://books.google.com/books?id=uwi-rv3VV6cC&pg=PA313&dq=argentina+ethnic+groups&hl=es&ei=g5_QTOrLL4SU4AbUhuTMBg&sa=X&oi=book_result&ct=result&resnum=1&ved=0CCcQ6AEwAA#v=onepage&q=argentina%20ethnic%20groups&f=false, https://www.cia.gov/library/publications/the-world-factbook/geos/ar.html)	184

Source	*ID*
Wikipedia (Original source: https://web.archive.org/web/20080920172933/http://convergencia.uaemex.mx/rev38/38pdf/LIZCANO.pdf)	185
Wikipedia (Original source: https://web.archive.org/web/20110531035849/http://2010.census.gov/2010census/data/)	186
Wikipedia (Original source: https://web.archive.org/web/20130228051323/http://unstats.un.org/unsd/demographic/sources/census/2010_phc/bermuda/Bermuda_new.pdf)	187
Wikipedia (Original source: https://web.archive.org/web/20140714165128/http://m.stats.govt.nz/Census/2013-census/profile-and-summary-reports/quickstats-about-national-highlights/cultural-diversity)	188
Wikipedia (Original source: https://www.cia.gov/library/publications/the-world-factbook/geos/dr.html#People)	189
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Wikipedia (Original source: https://www.cia.gov/library/publications/the-world-factbook/geos/pm.html#People)	192
Wikipedia (Original source: https://www.cultura.gob.pe/concursobpi/sites/default/.../concursobpi.pdf, https://www.cia.gov/library/publications/the-world-factbook/geos/pe.html#People)	193
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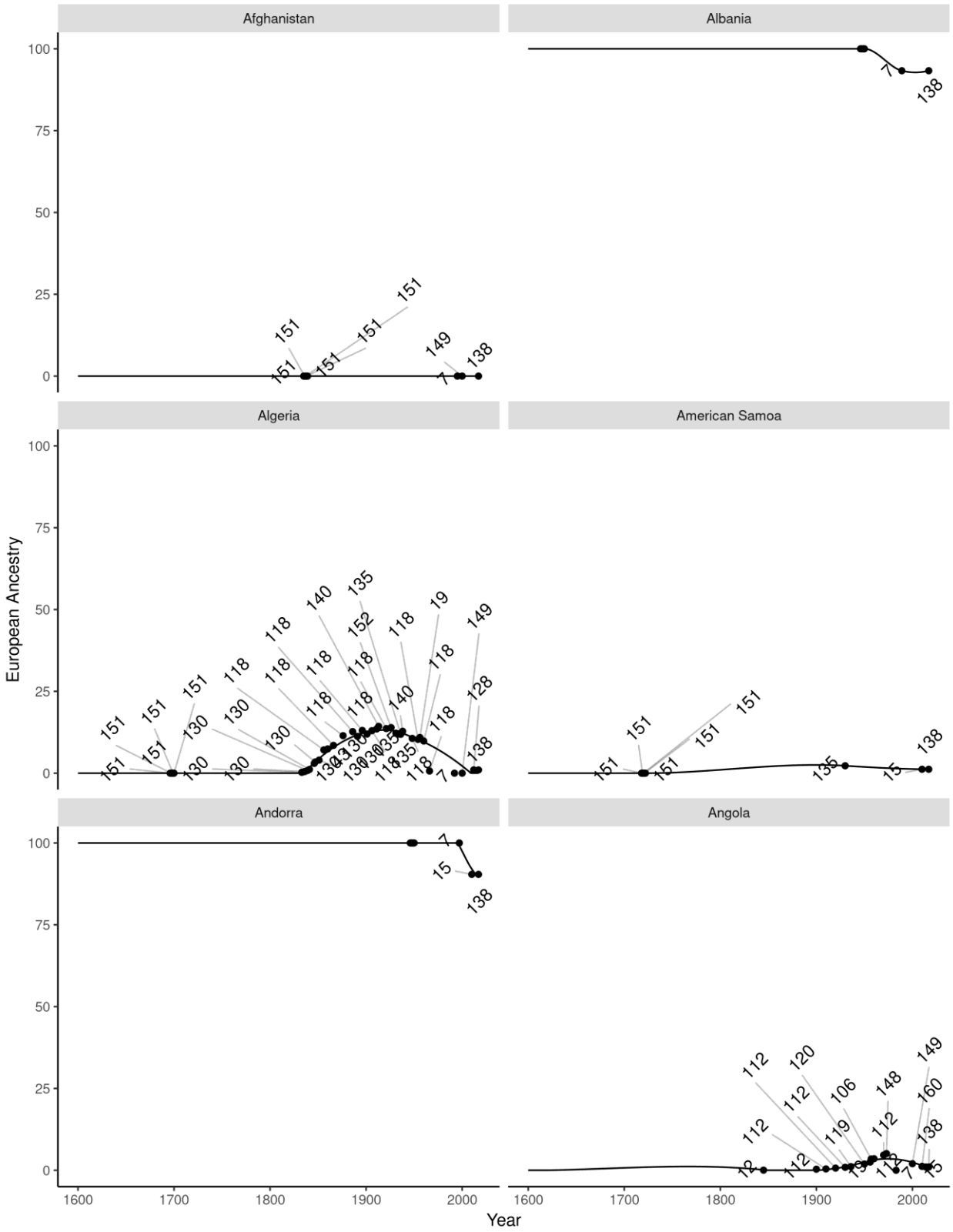
Afghanistan
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Algeria
American Samoa
Andorra
Angola
European Ancestry
Year
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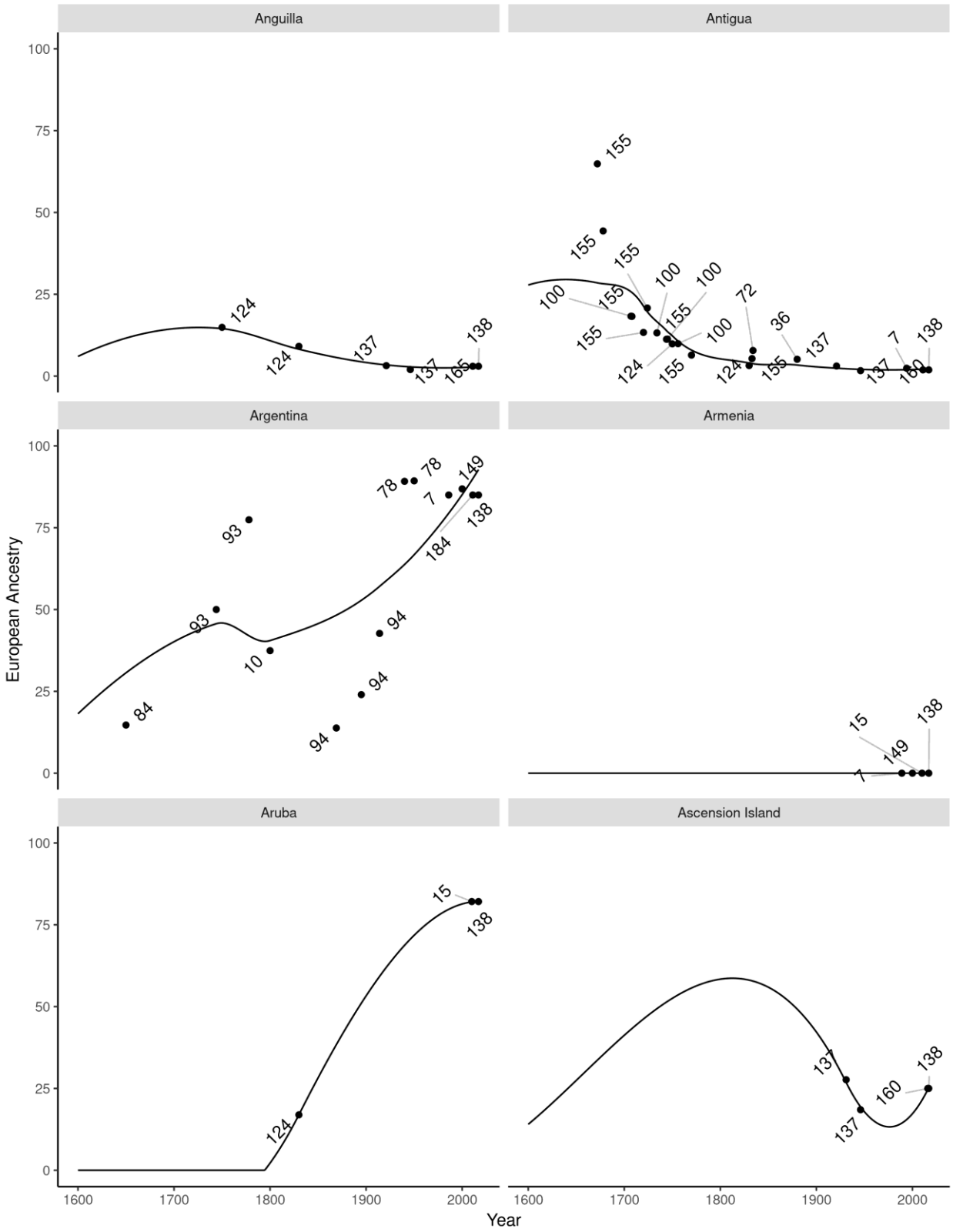
Anguilla
Antigua
Argentina
Armenia
Aruba
Ascension Island
European Ancestry
Year
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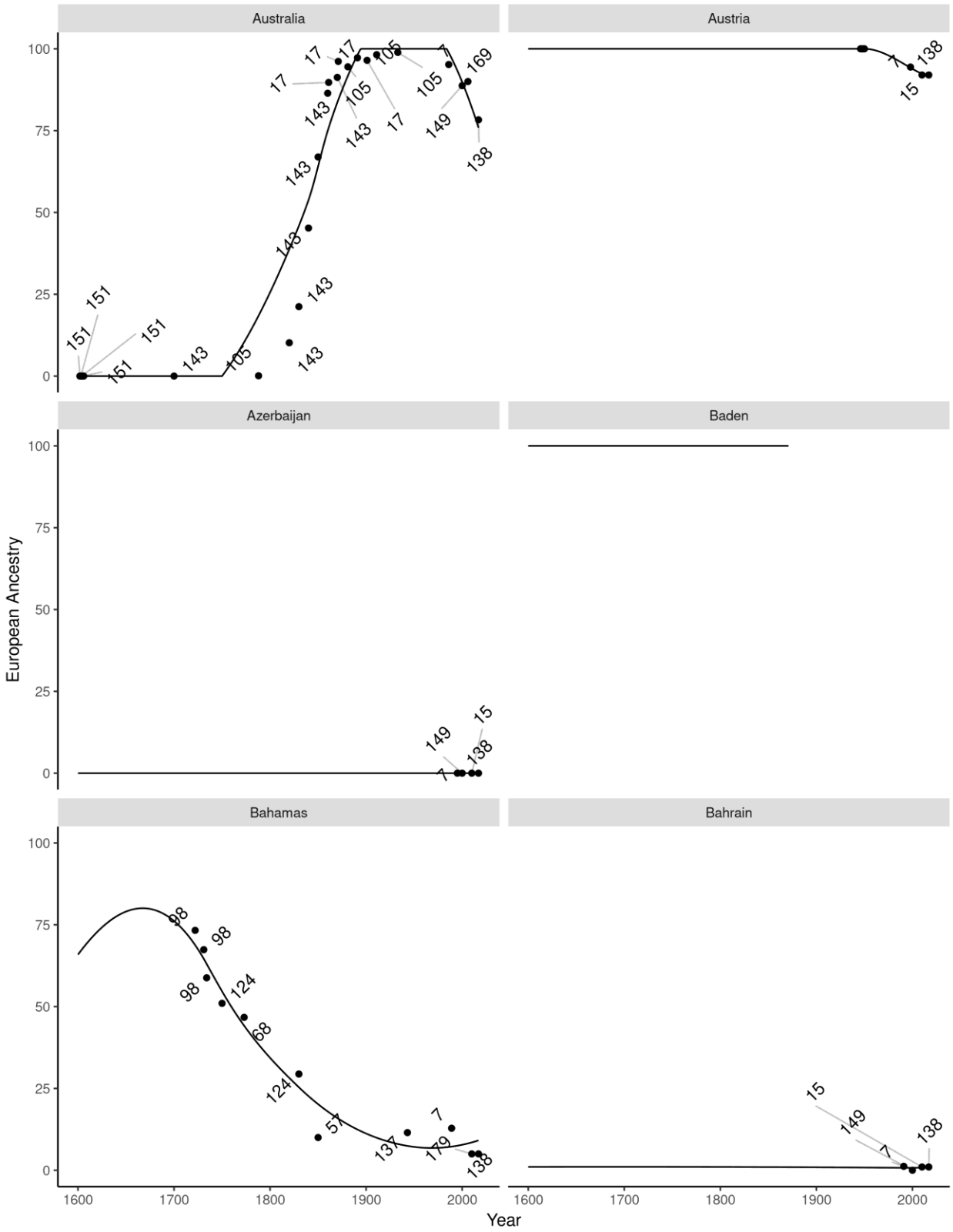
Australia
Austria
Azerbaijan
Baden
Bahamas
Bahrain
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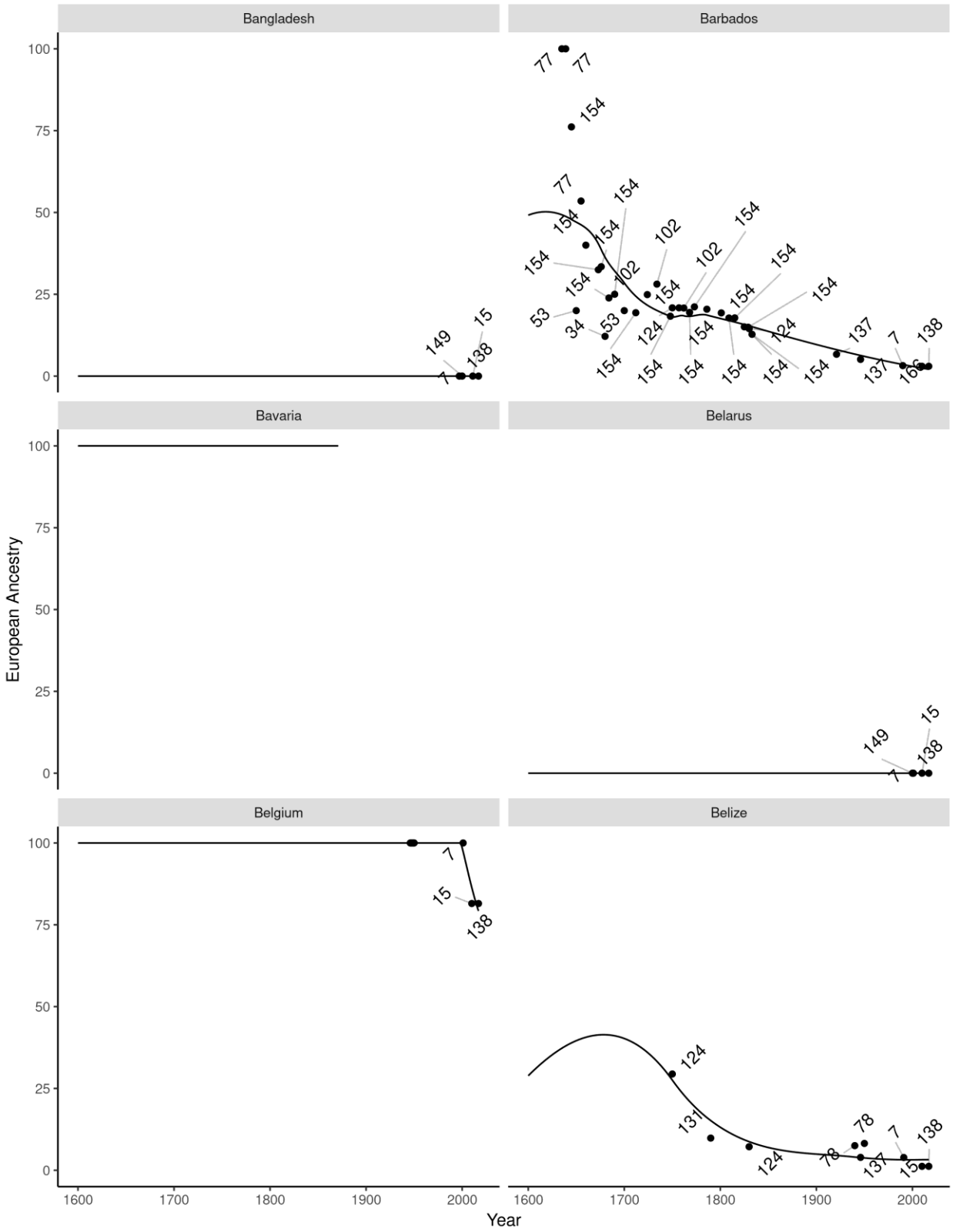
Bangladesh
Barbados
Bavaria
Belarus
Belgium
Belize
European Ancestry
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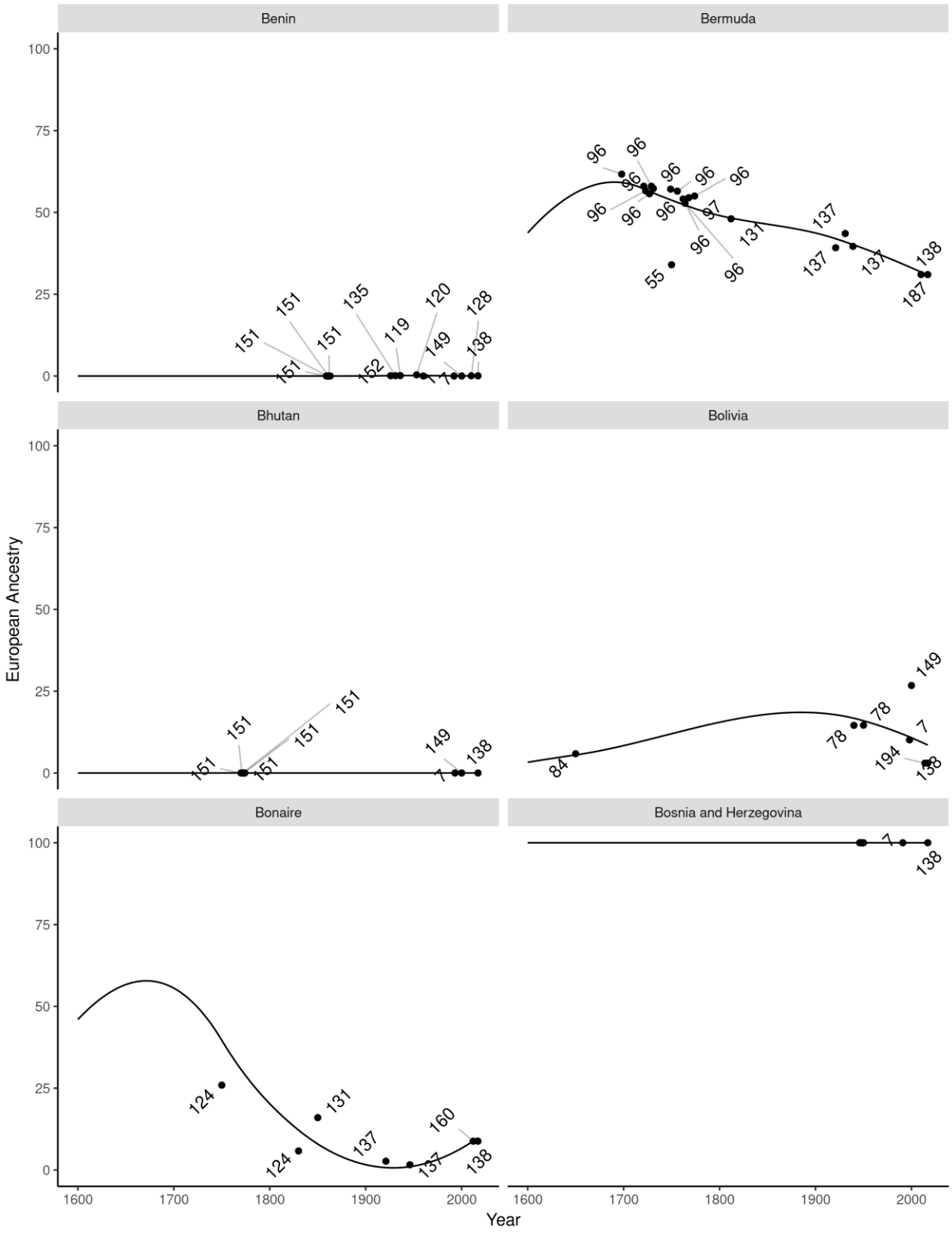
Benin
Bermuda
Bhutan
Bolivia
Bonaire
Bosnia and Herzegovina
European Ancestry
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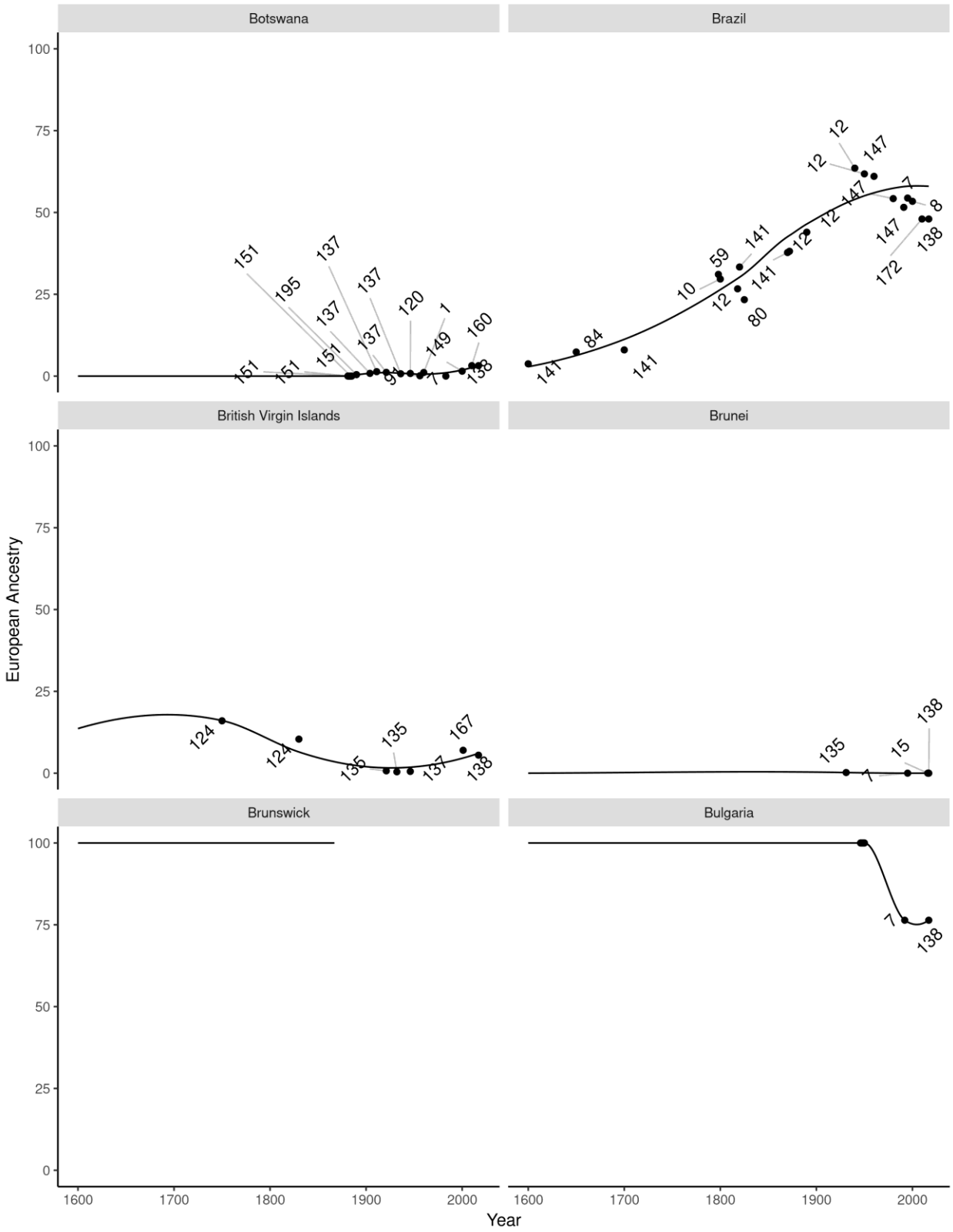
Botswana
Brazil
British Virgin Islands
Brunei
Brunswick
Bulgaria
European Ancestry
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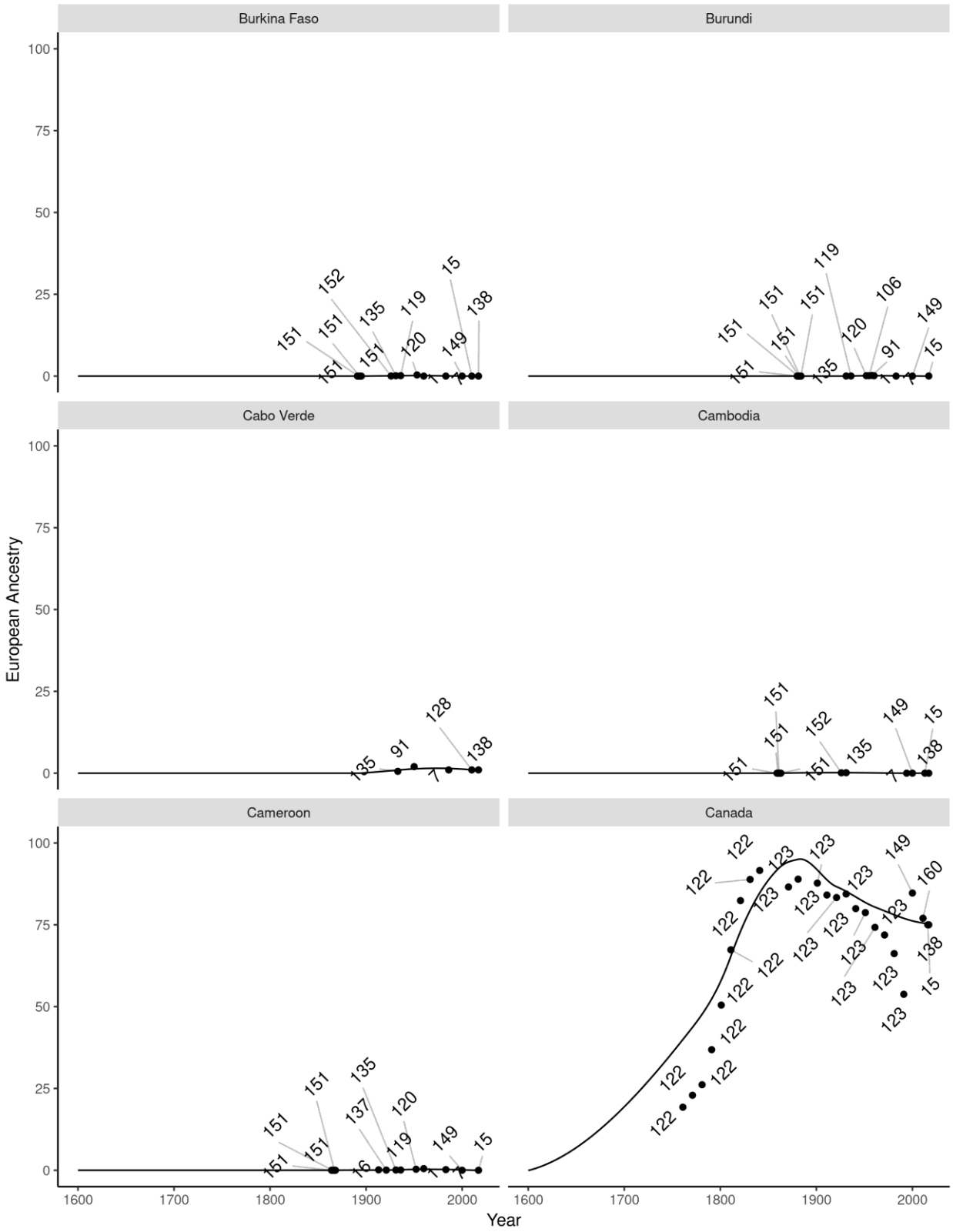
Burkina Faso
Burundi
Cabo Verde
Cambodia
Cameroon
Canada
European Ancestry
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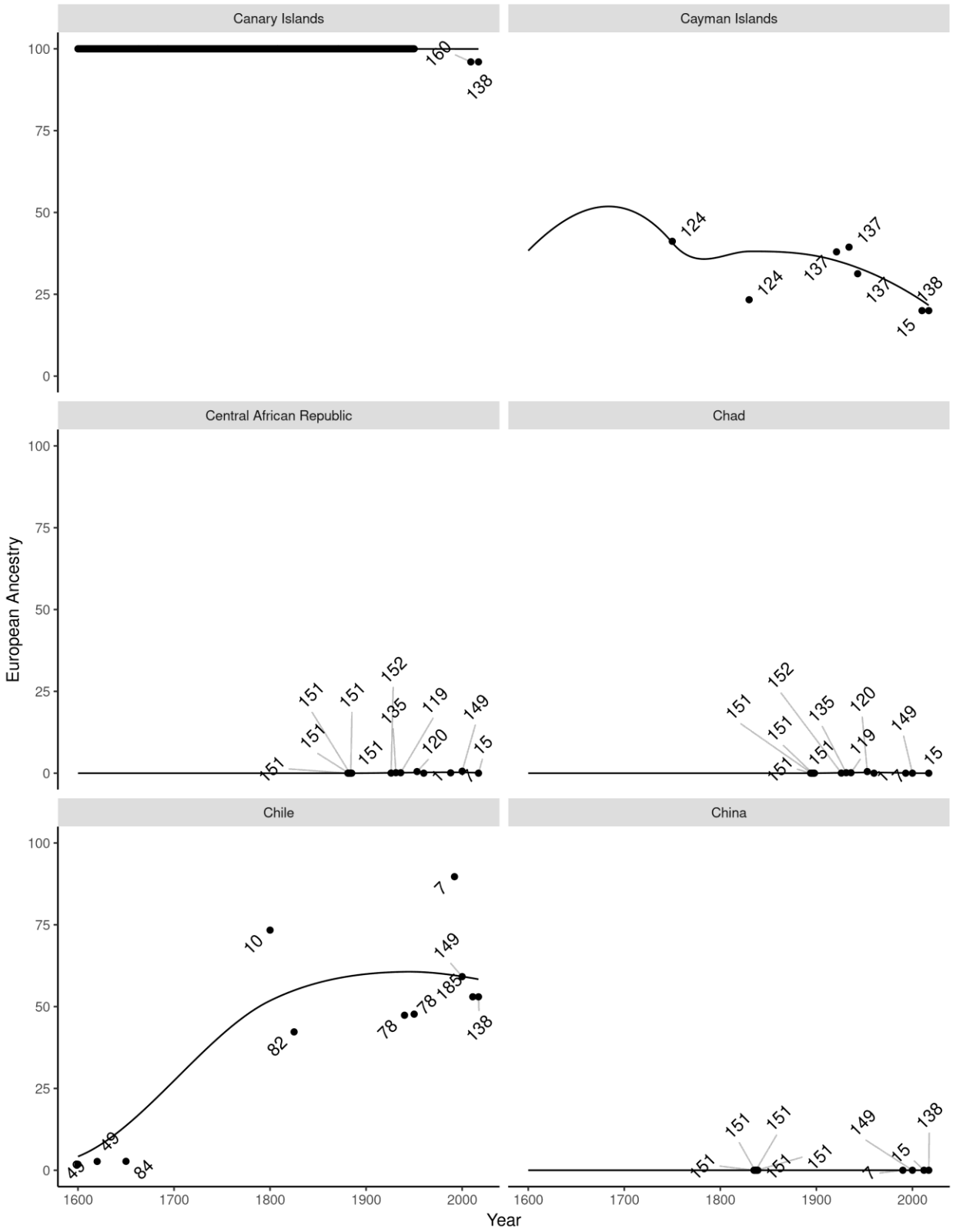
Canary Islands
Cayman Islands
Central African Republic
Chad
Chile
China
European Ancestry
Year
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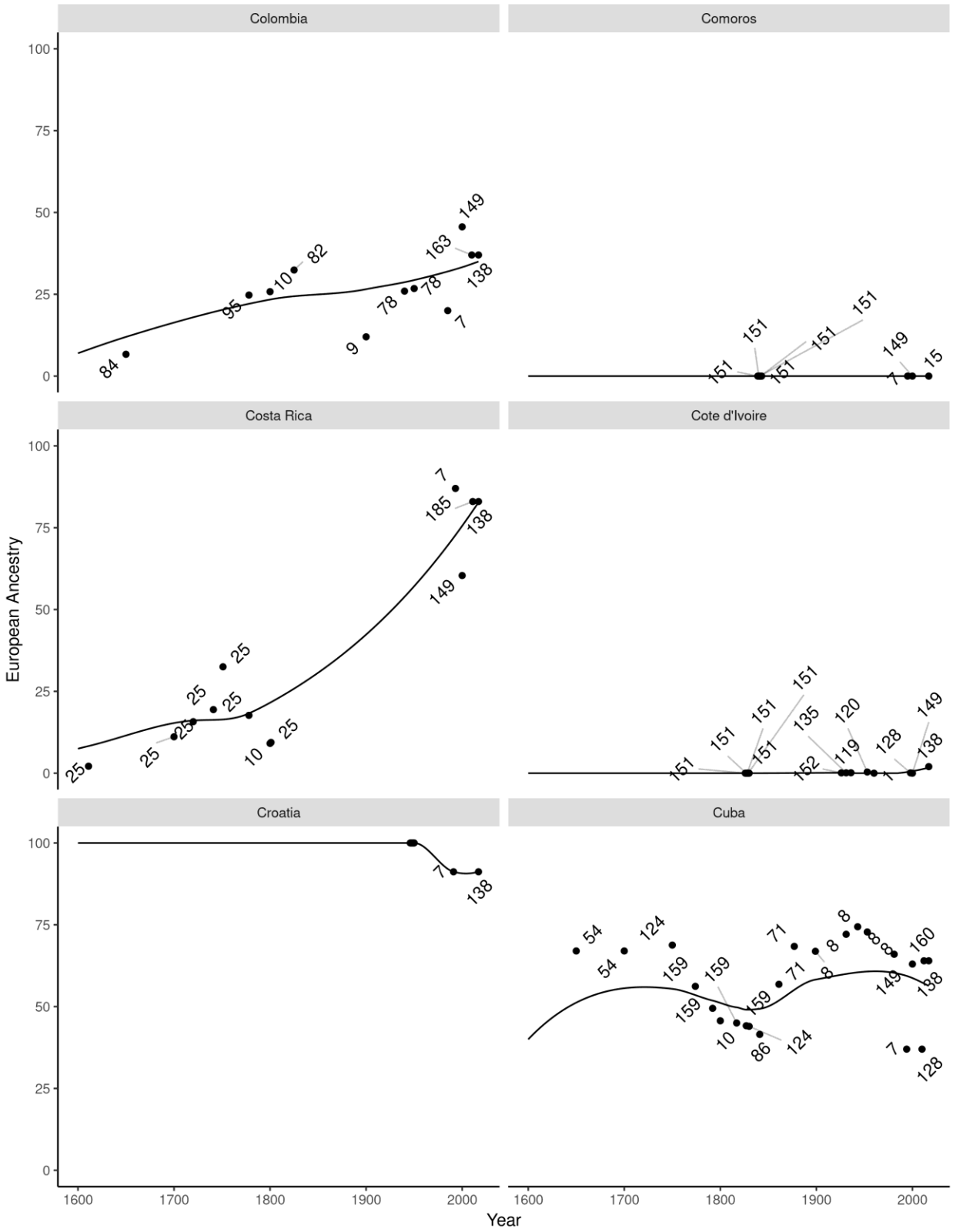
Colombia
Comoros
Costa Rica
Cote d'Ivoire
Croatia
Cuba
European Ancestry
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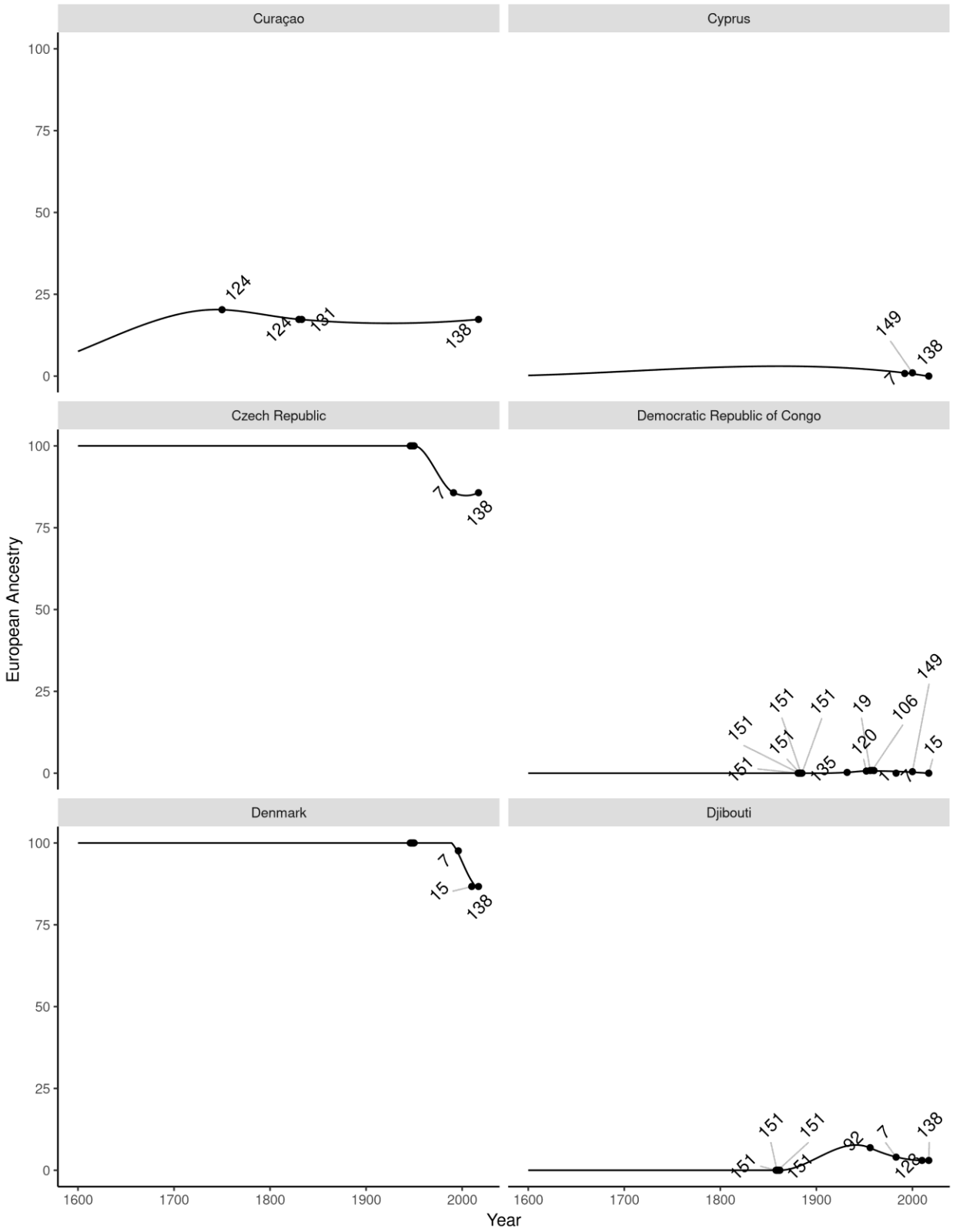
Curaçao
Cyprus
Czech Republic
Democratic Republic of Congo
Denmark
Djibouti
European Ancestry
Year
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1800
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181
138
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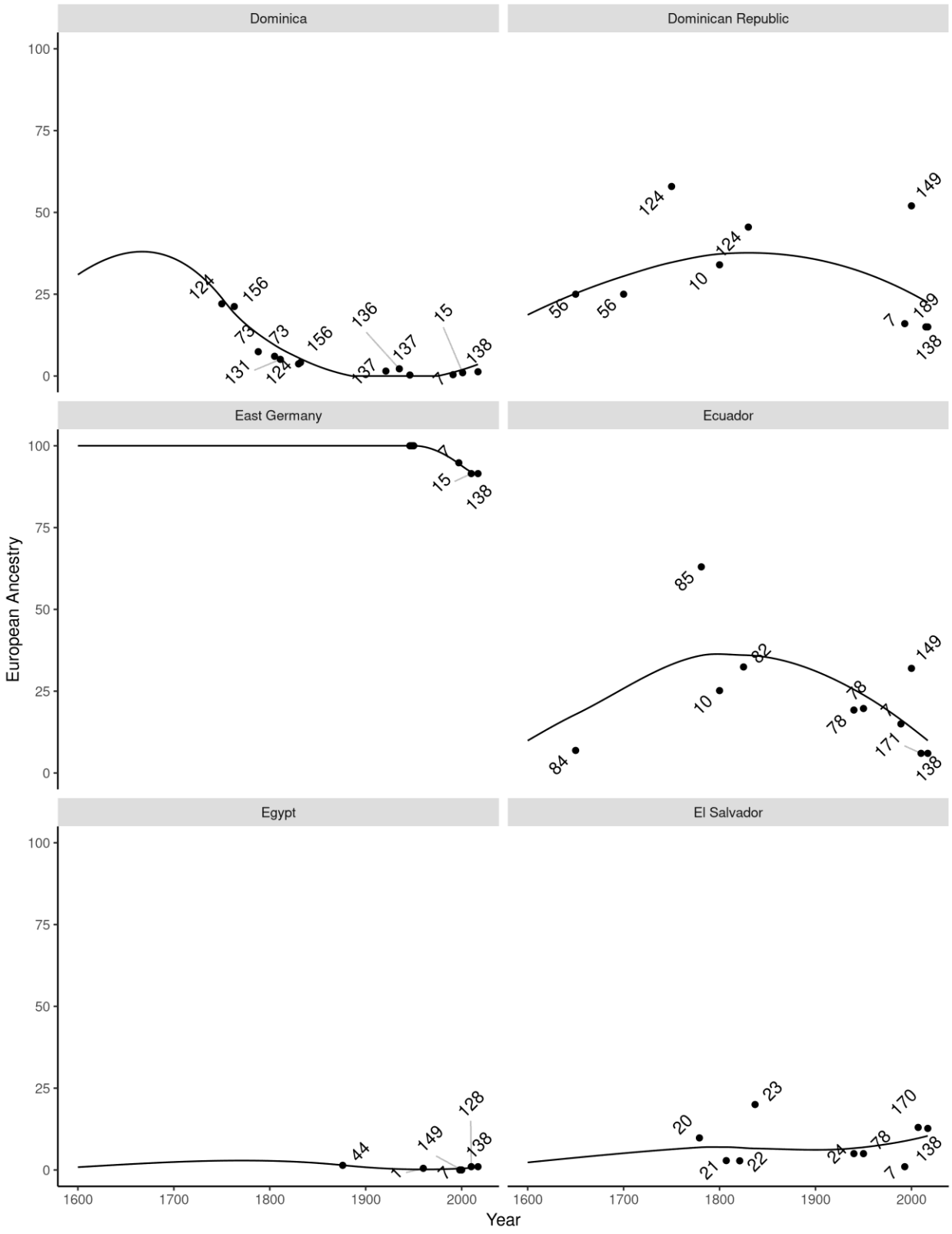
Dominica
Dominican Republic
East Germany
Ecuador
Egypt
El Salvador
European Ancestry
Year
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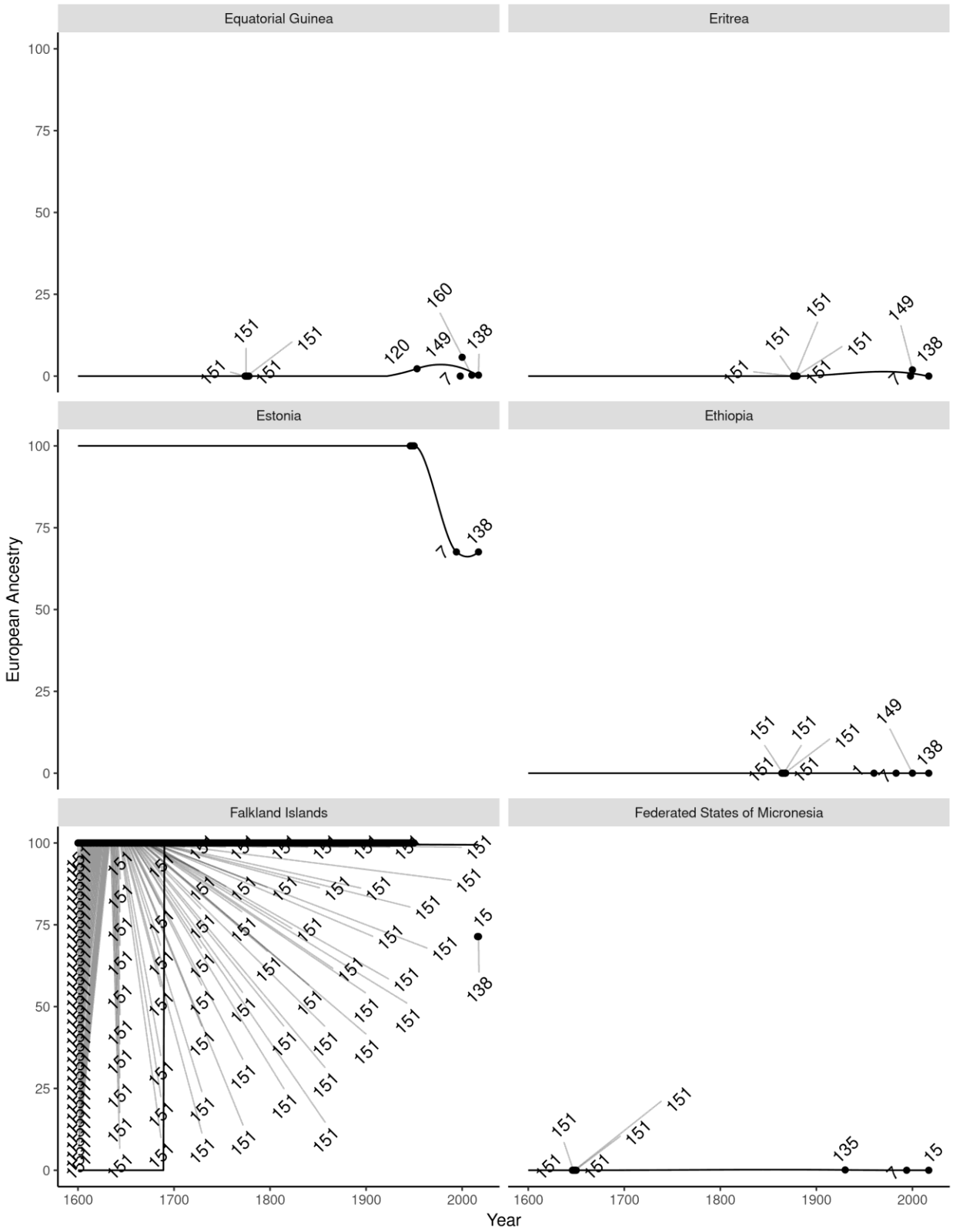
1900
2000


Equatorial Guinea
Eritrea
Estonia
Ethiopia
Falkland Islands
Federated States of Micronesia
European Ancestry
Year
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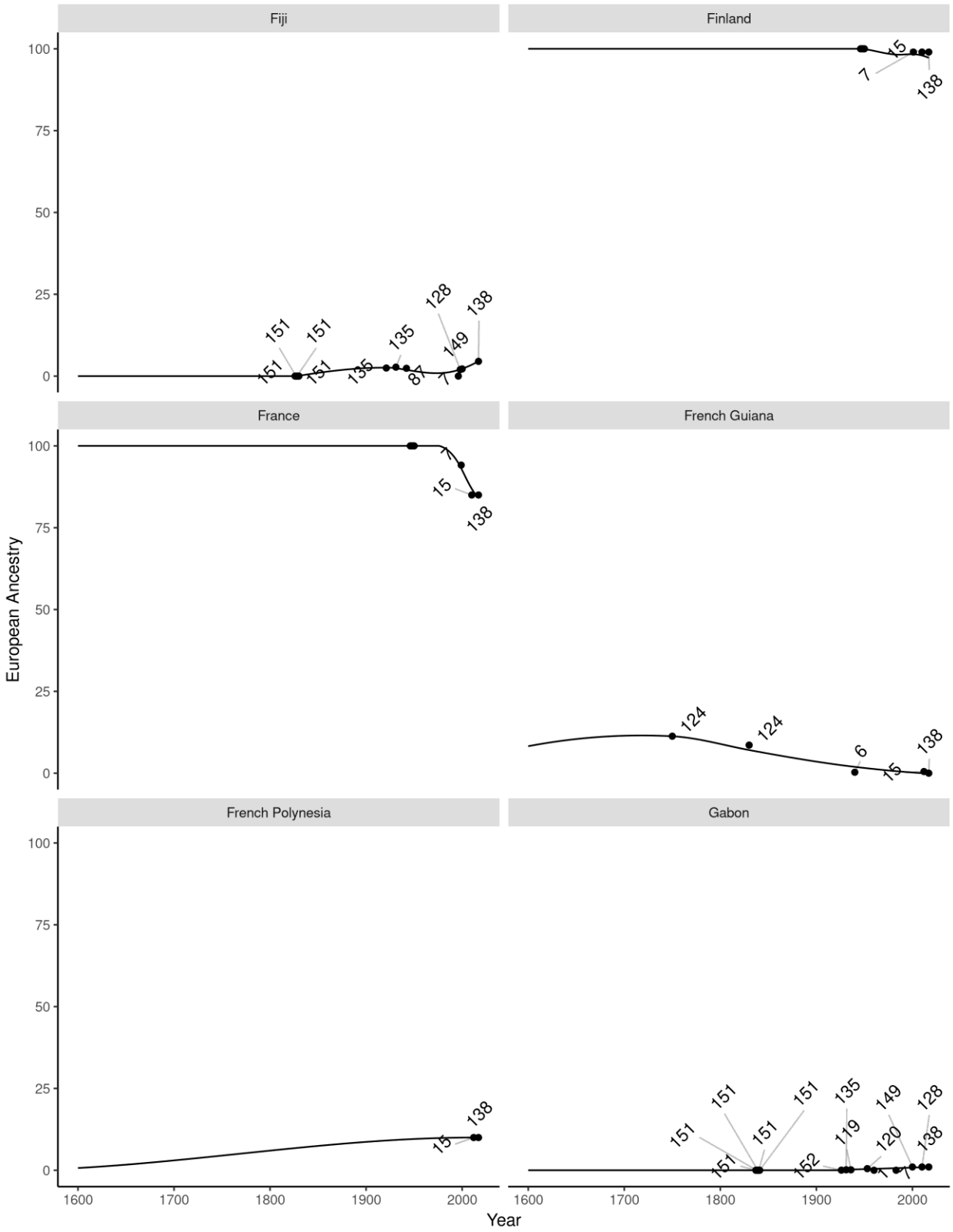
Fiji
Finland
France
French Guiana
French Polynesia
Gabon
European Ancestry
Year
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1800
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2000
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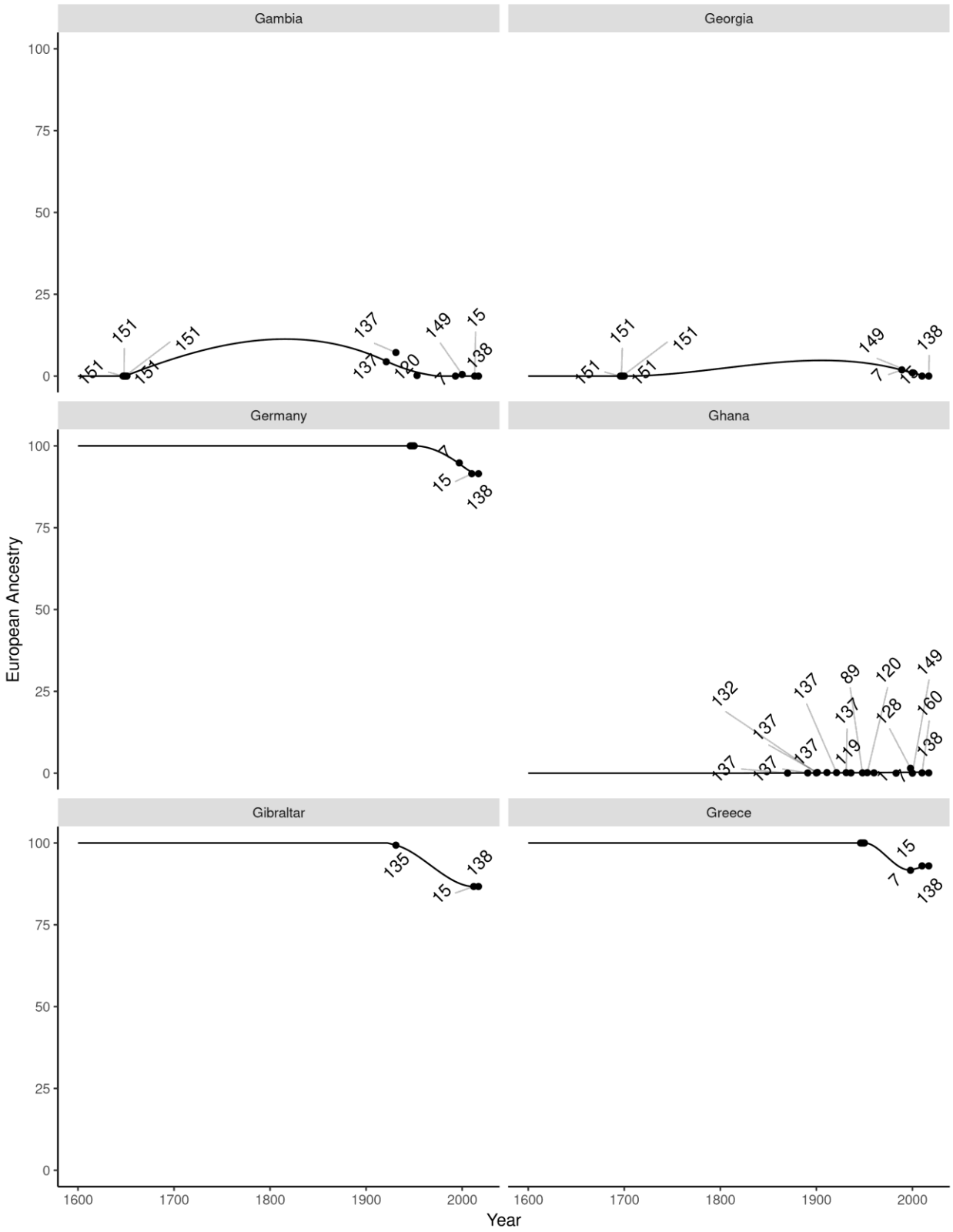
Gambia
Georgia
Germany
Ghana
Gibraltar
Greece
European Ancestry
Year
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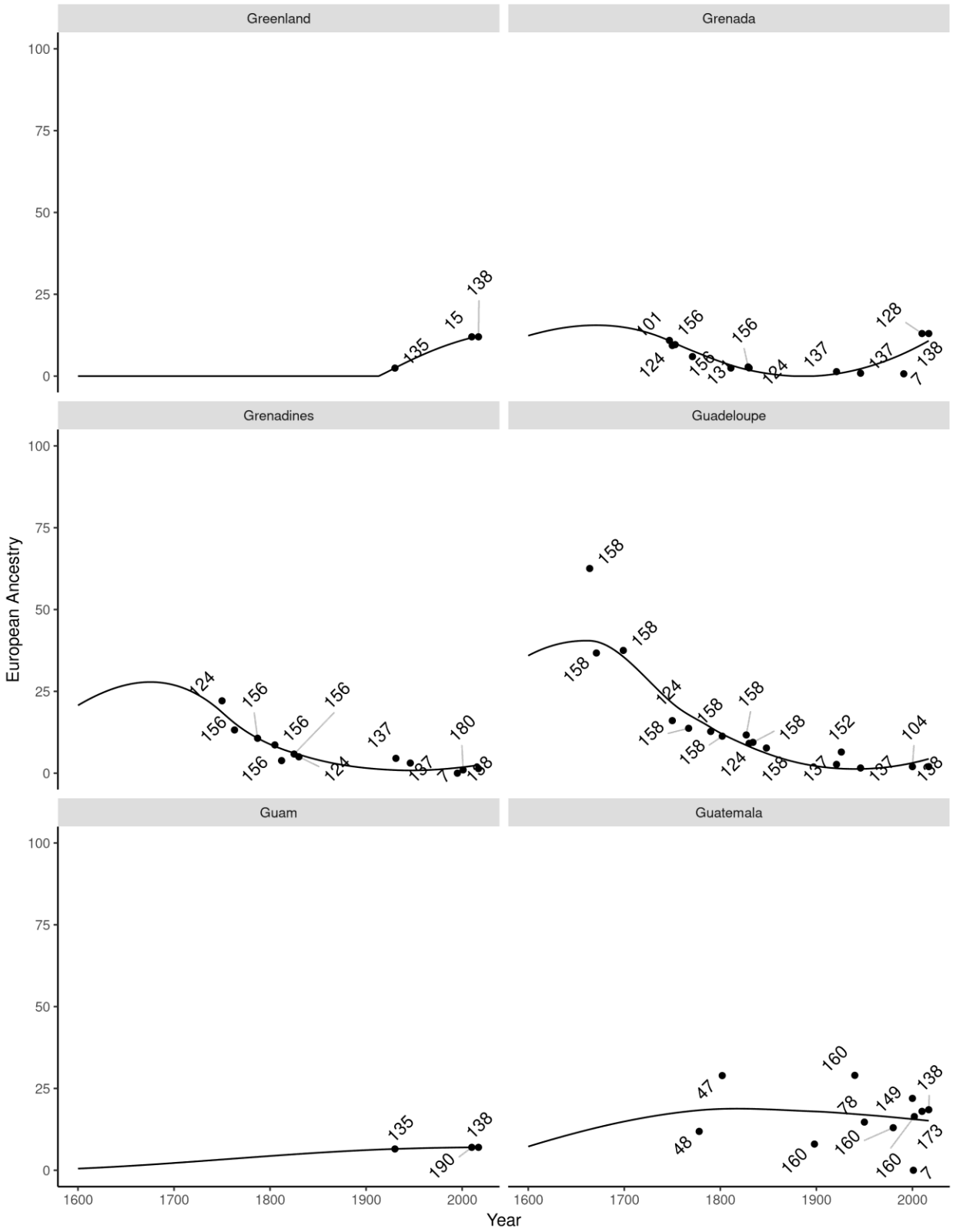
Greenland
Grenada
Grenadines
Guadeloupe
Guam
Guatemala
European Ancestry
Year
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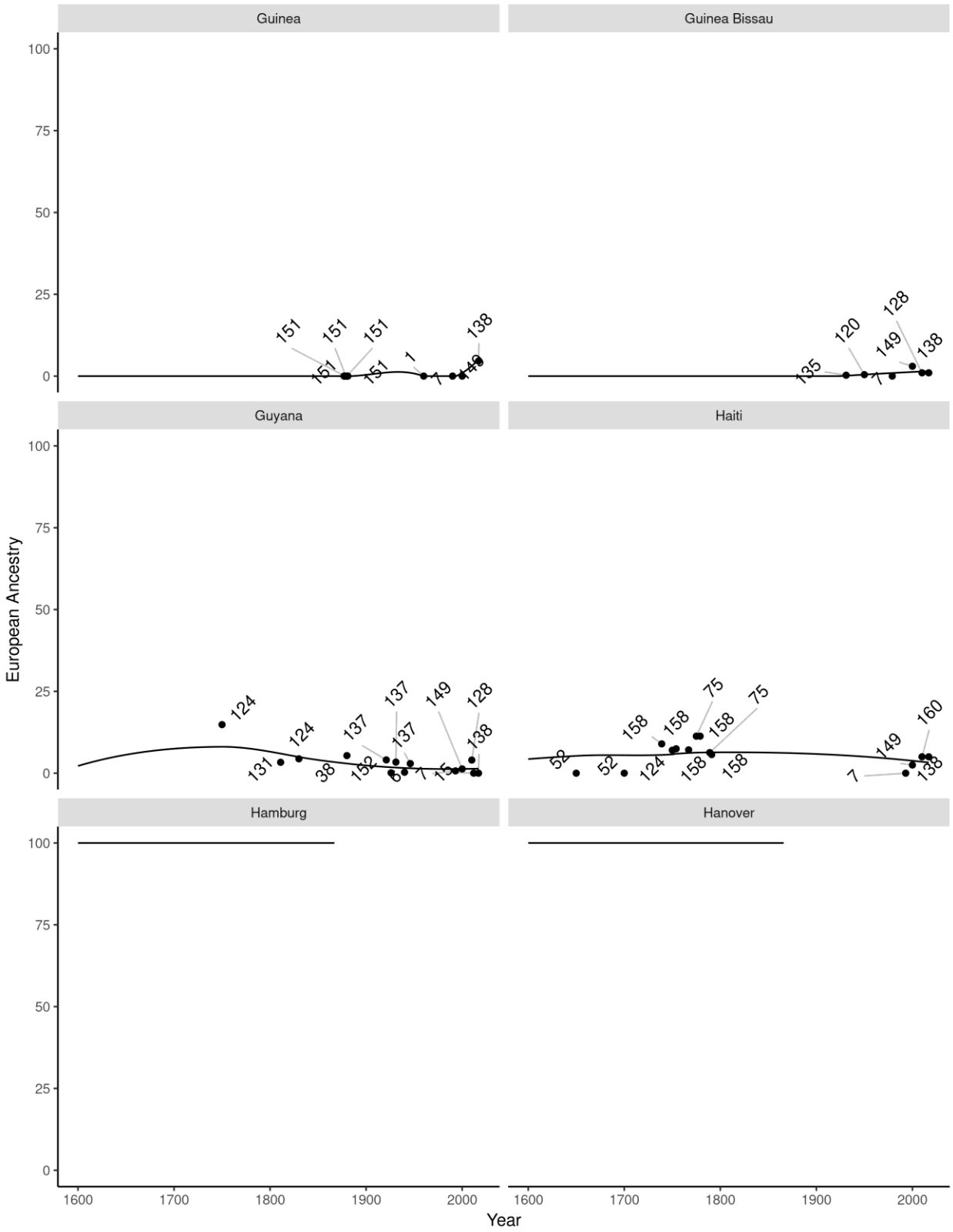
Guinea
Guinea Bissau
Guyana
Haiti
Hamburg
Hanover
European Ancestry
Year
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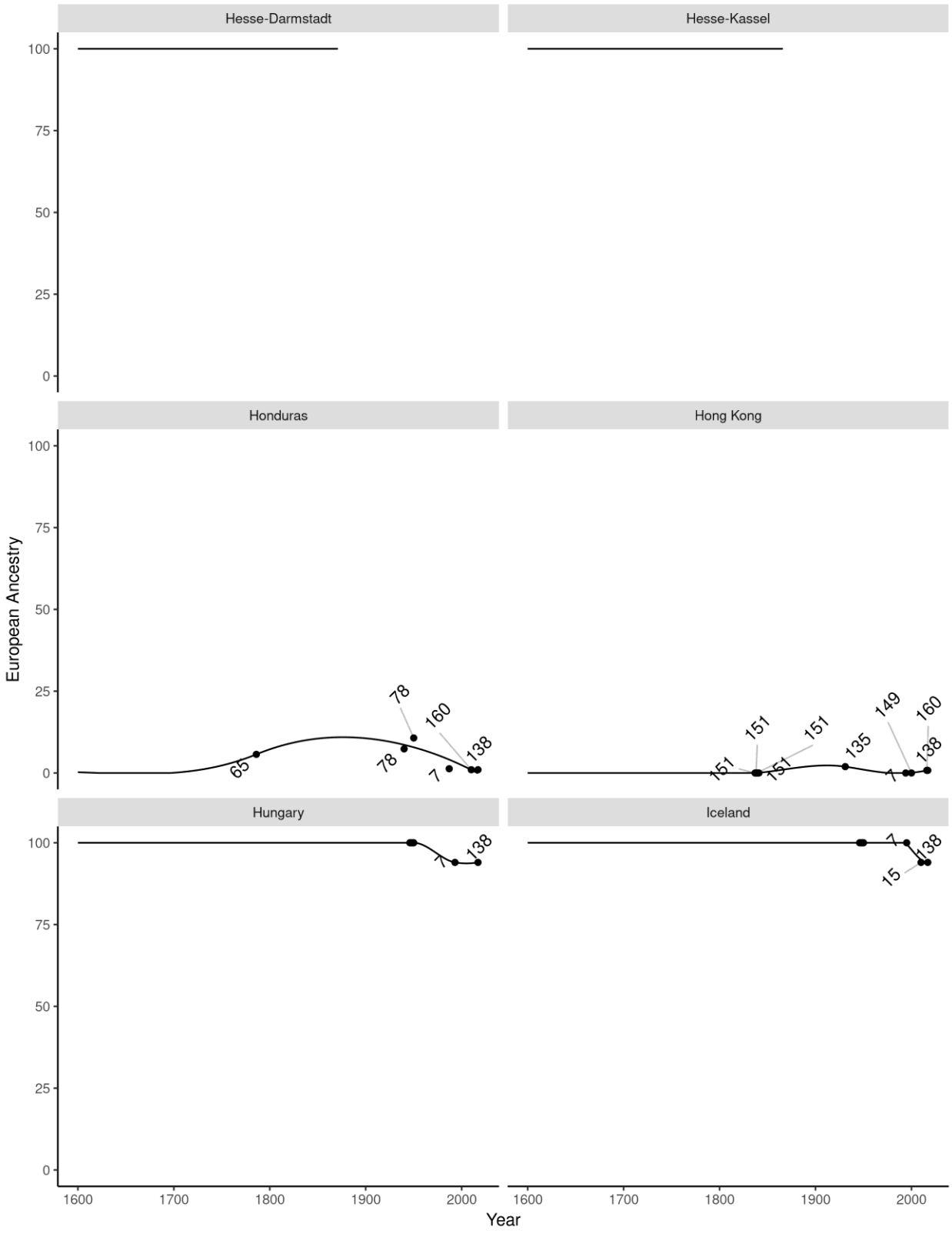
Hesse-Darmstadt
Hesse-Kassel
Honduras
Hong Kong
Hungary
Iceland
European Ancestry
Year
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1700
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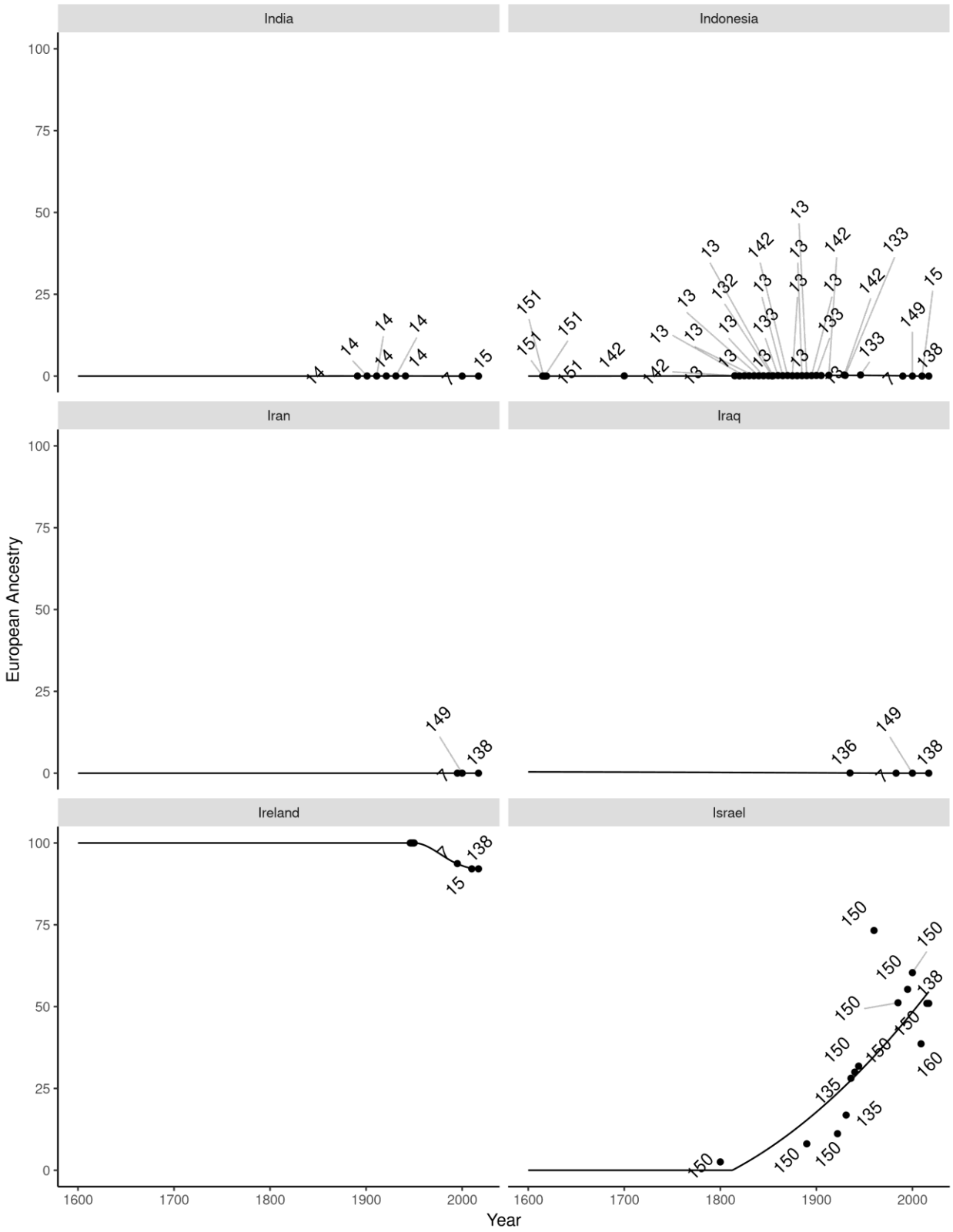
India
Indonesia
Iran
Iraq
Ireland
Israel
European Ancestry
Year
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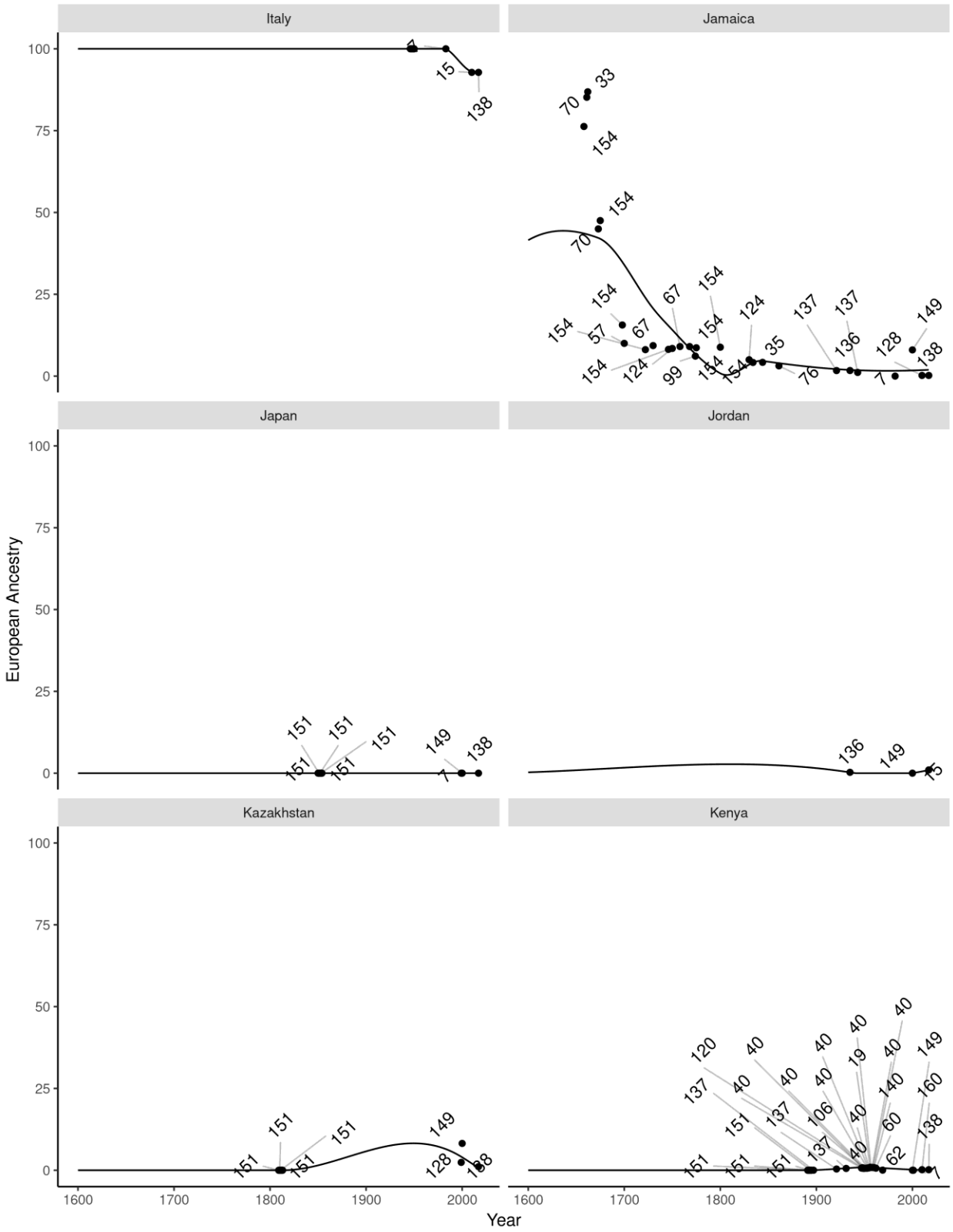
Italy
Jamaica
Japan
Jordan
Kazakhstan
Kenya
European Ancestry
Year
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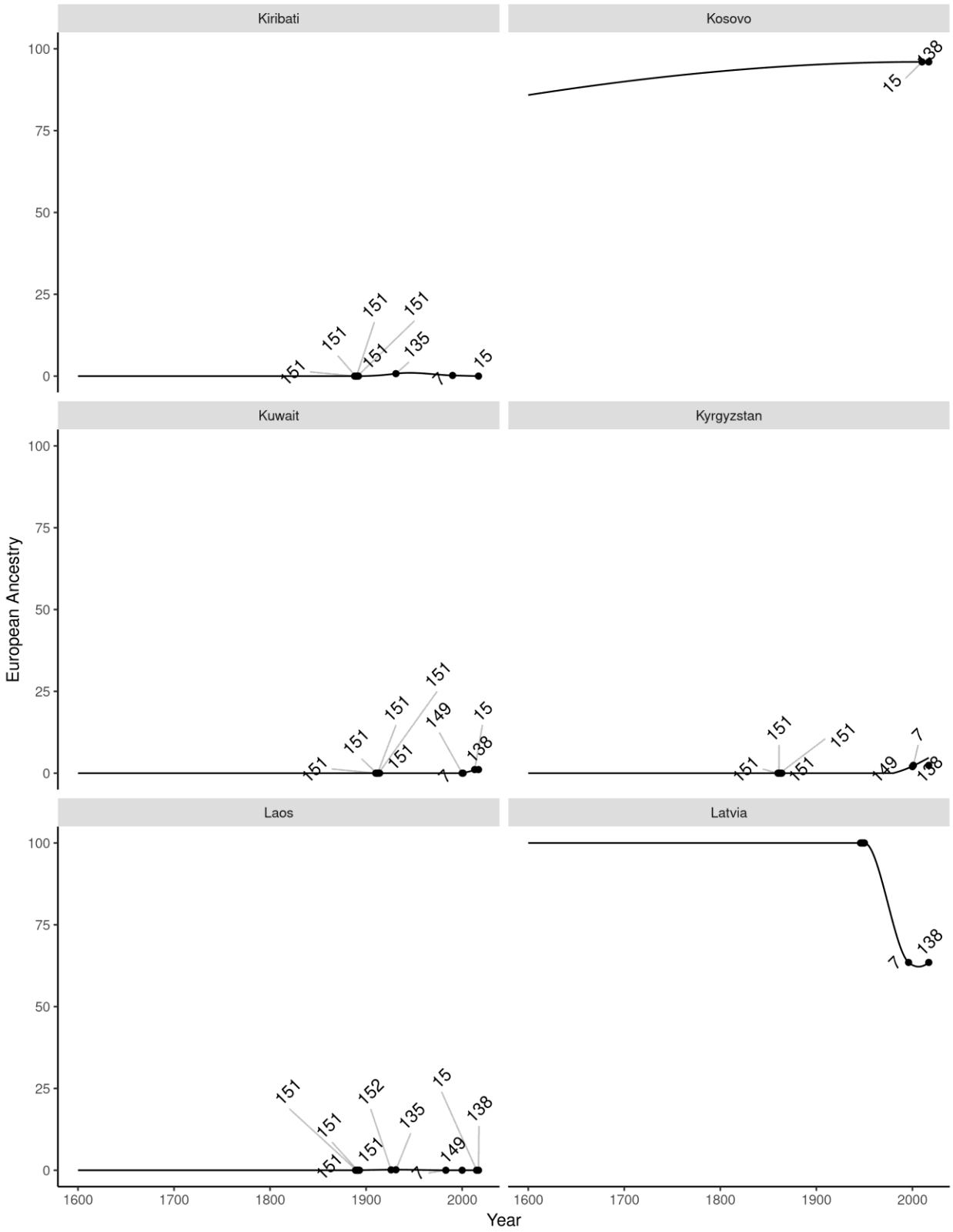
Kiribati
Kosovo
Kuwait
Kyrgyzstan
Laos
Latvia
European Ancestry
Year
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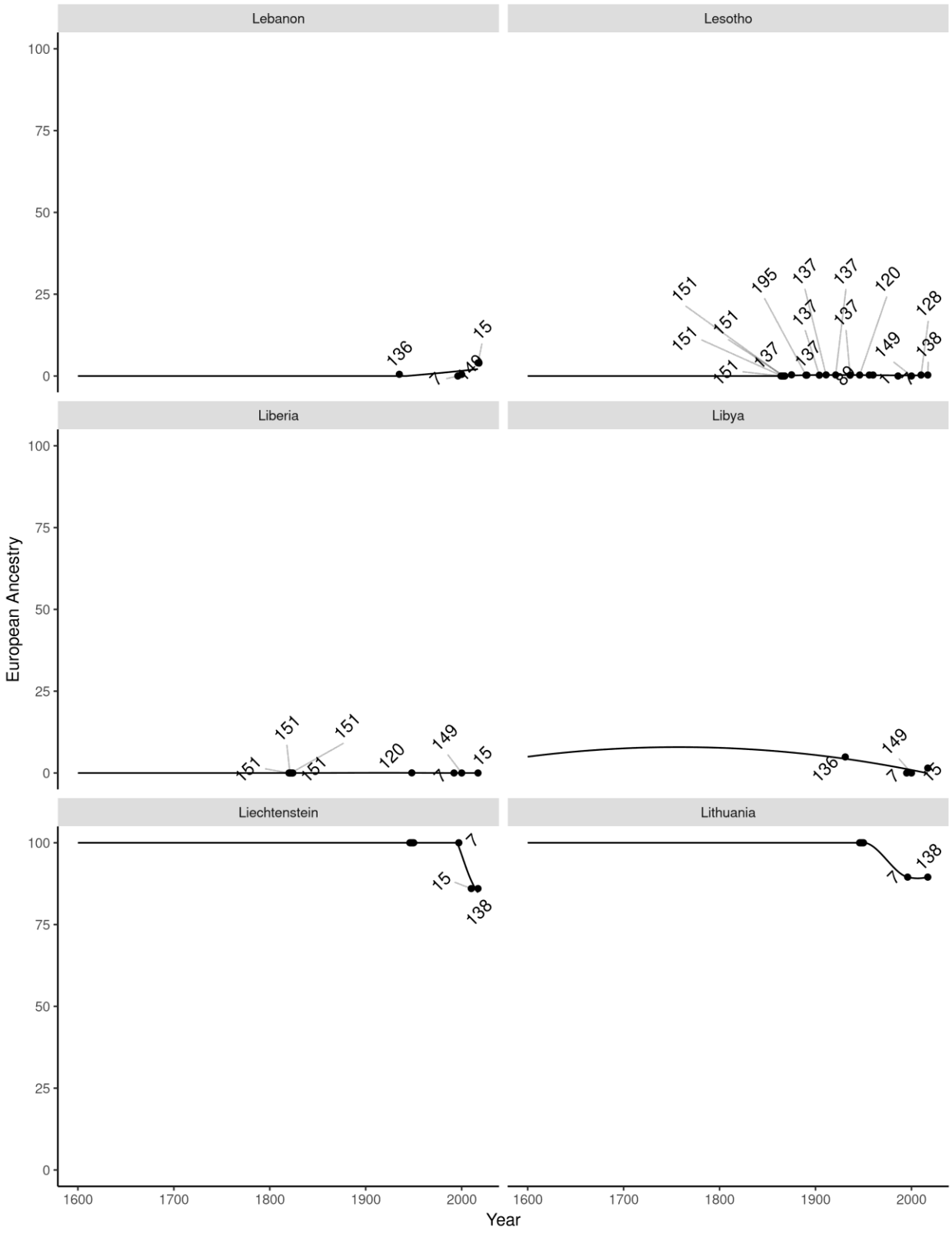
Lebanon
Lesotho
Liberia
Libya
Liechtenstein
Lithuania
European Ancestry
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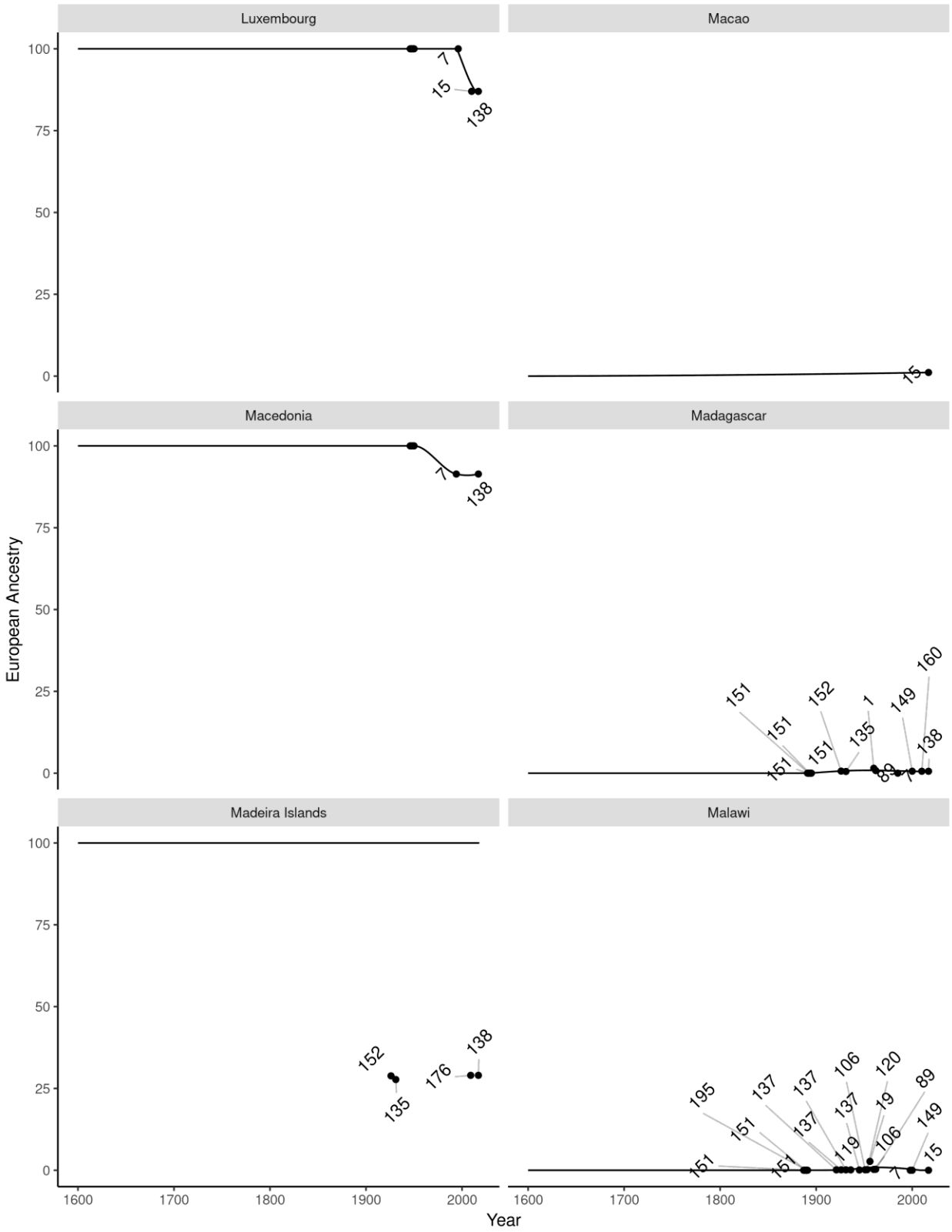
Luxembourg
Macao
Macedonia
Madagascar
Madeira Islands
Malawi
European Ancestry
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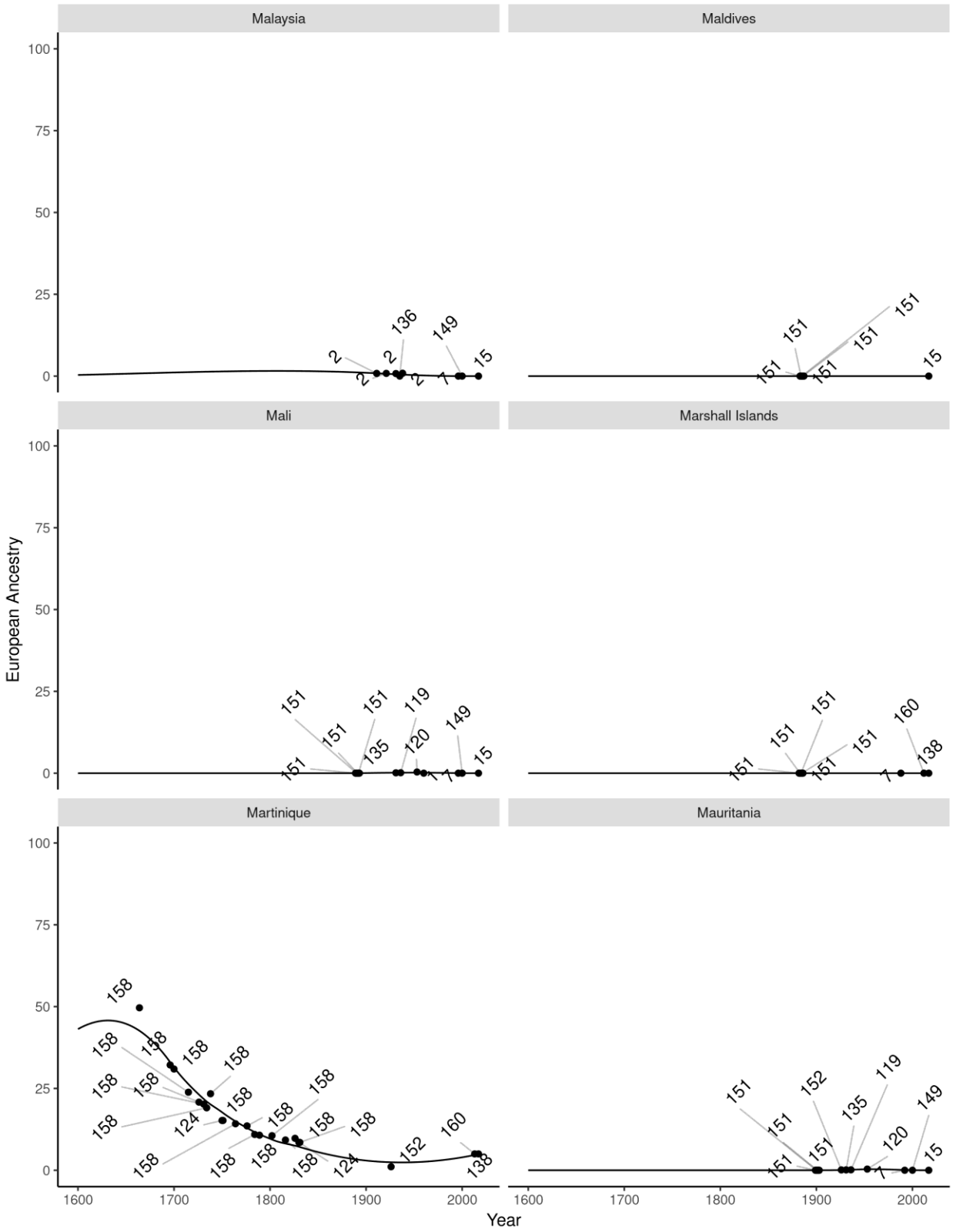
Malaysia
Maldives
Mali
Marshall Islands
Martinique
Mauritania
European Ancestry
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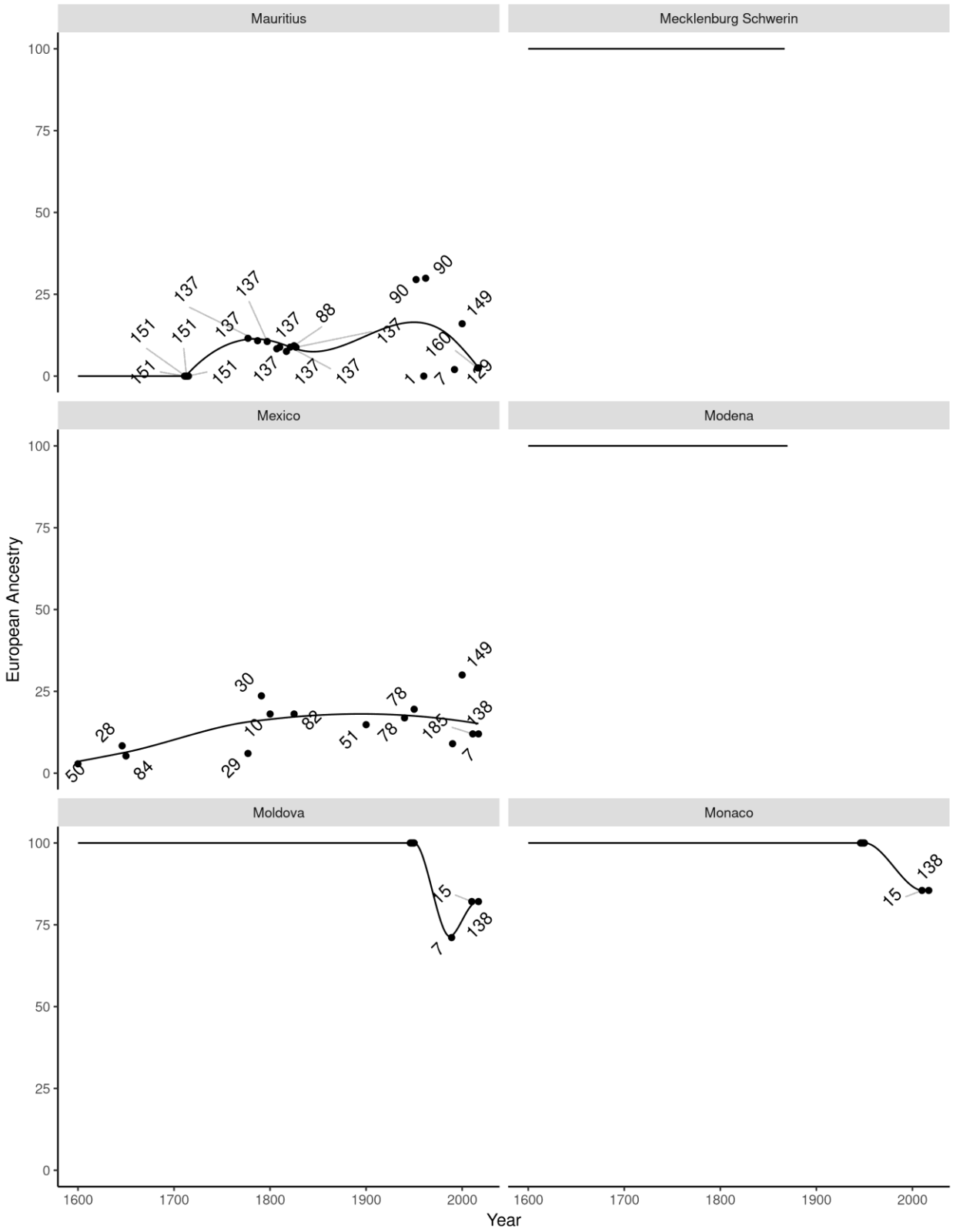
Mauritius
Mecklenburg Schwerin
Mexico
Modena
Moldova
Monaco
European Ancestry
Year
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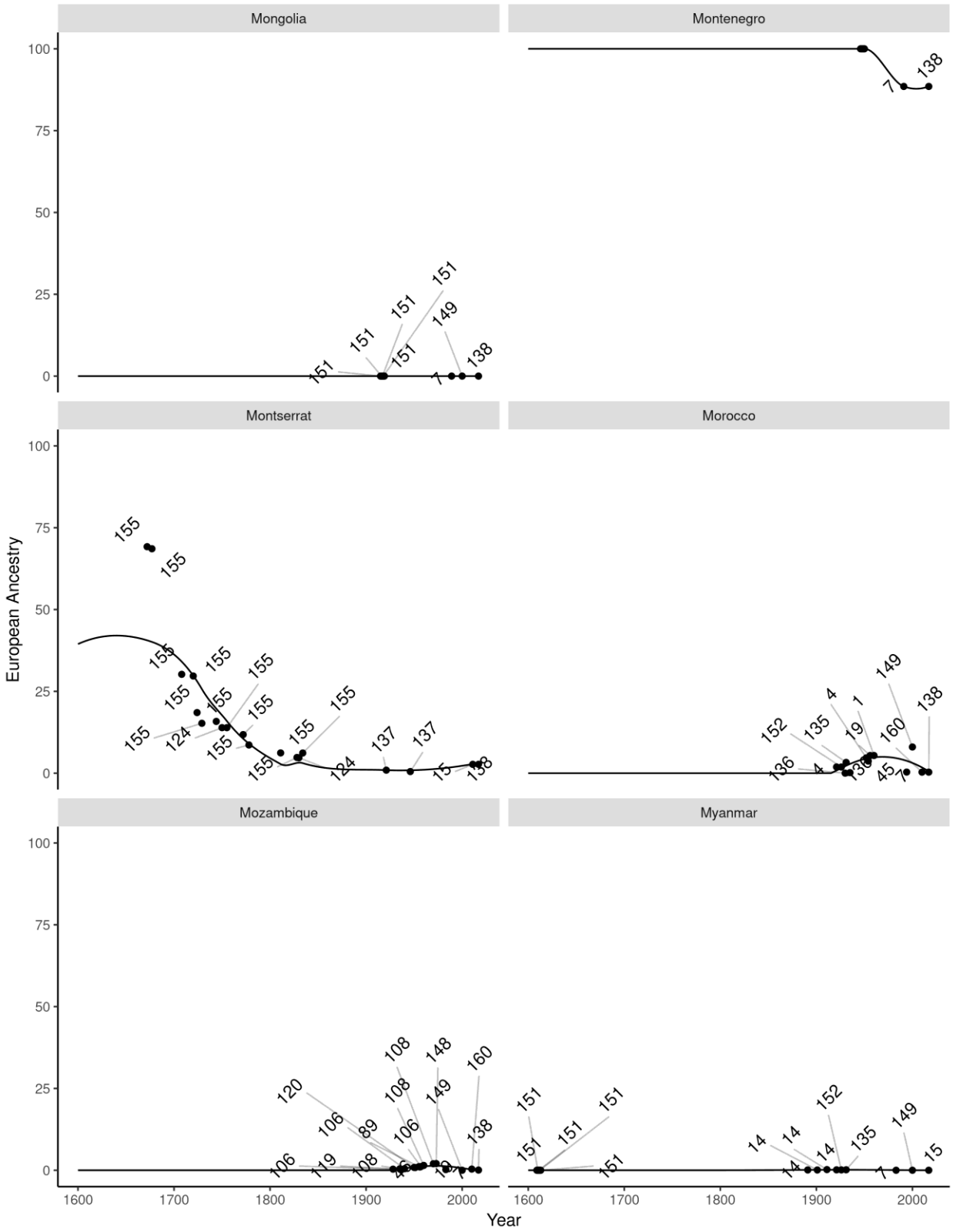
Mongolia
Montenegro
Montserrat
Morocco
Mozambique
Myanmar
European Ancestry
Year
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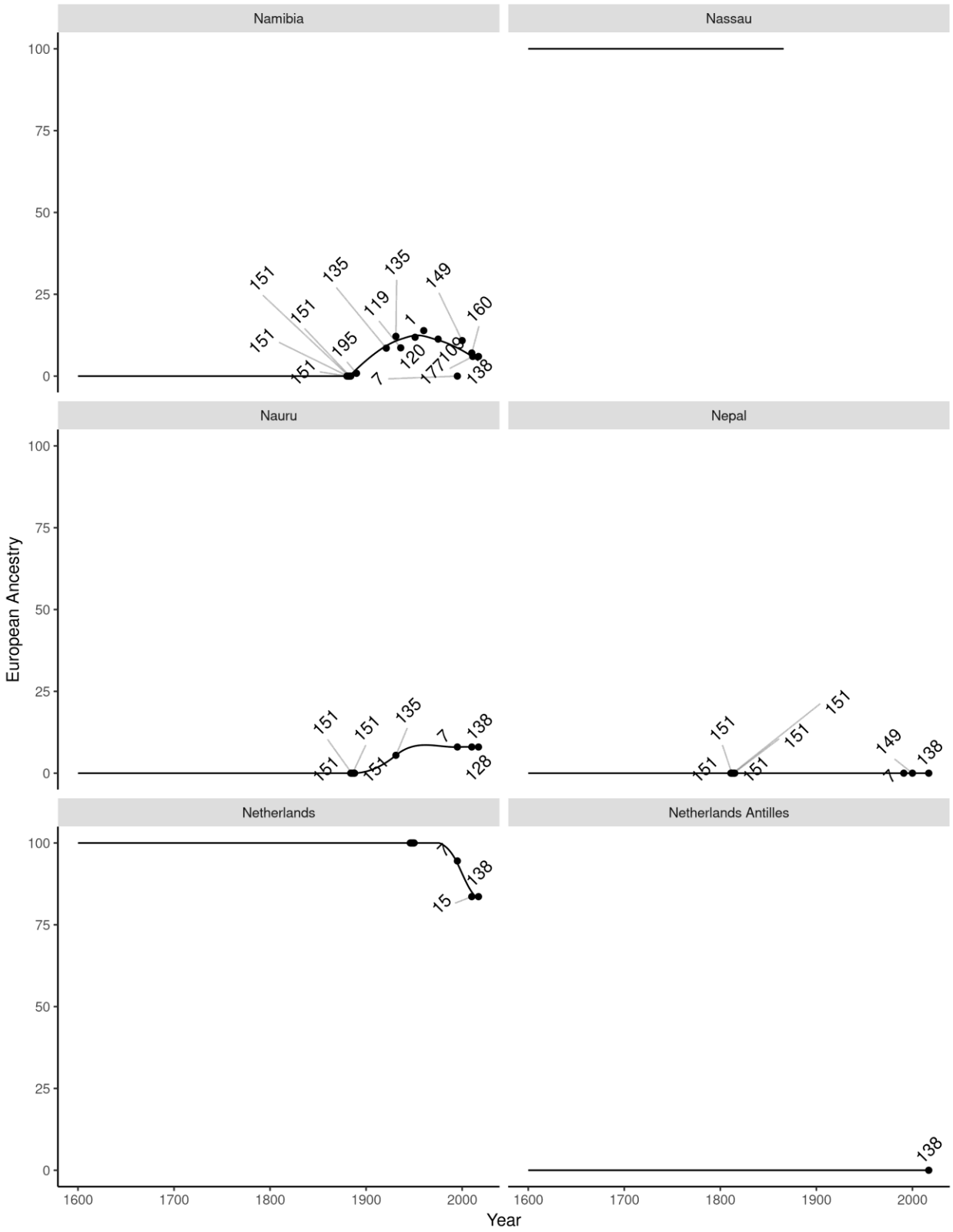
Namibia
Nassau
Nauru
Nepal
Netherlands
Netherlands Antilles
European Ancestry
Year
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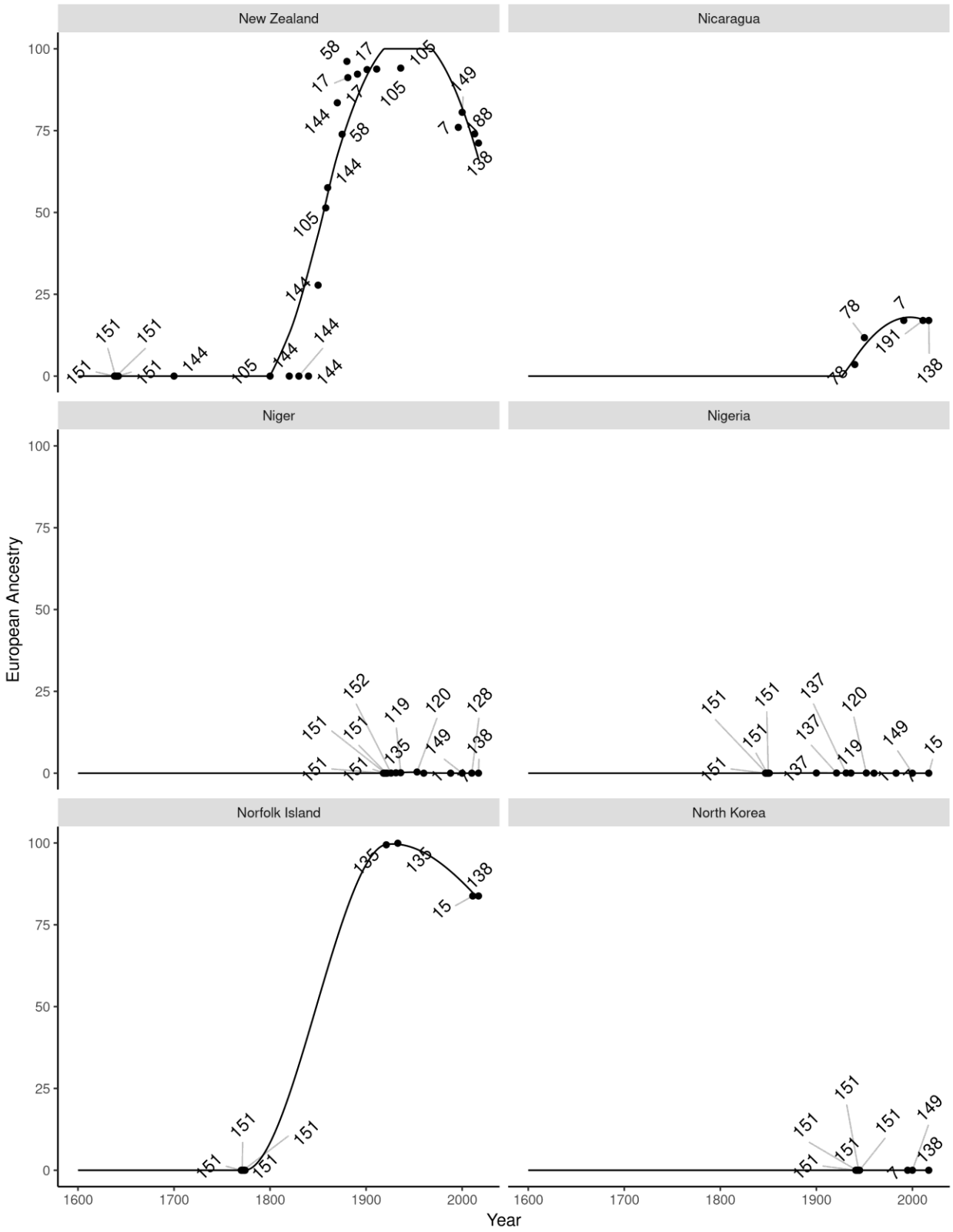
New Zealand
Nicaragua
Niger
Nigeria
Norfolk Island
North Korea
European Ancestry
Year
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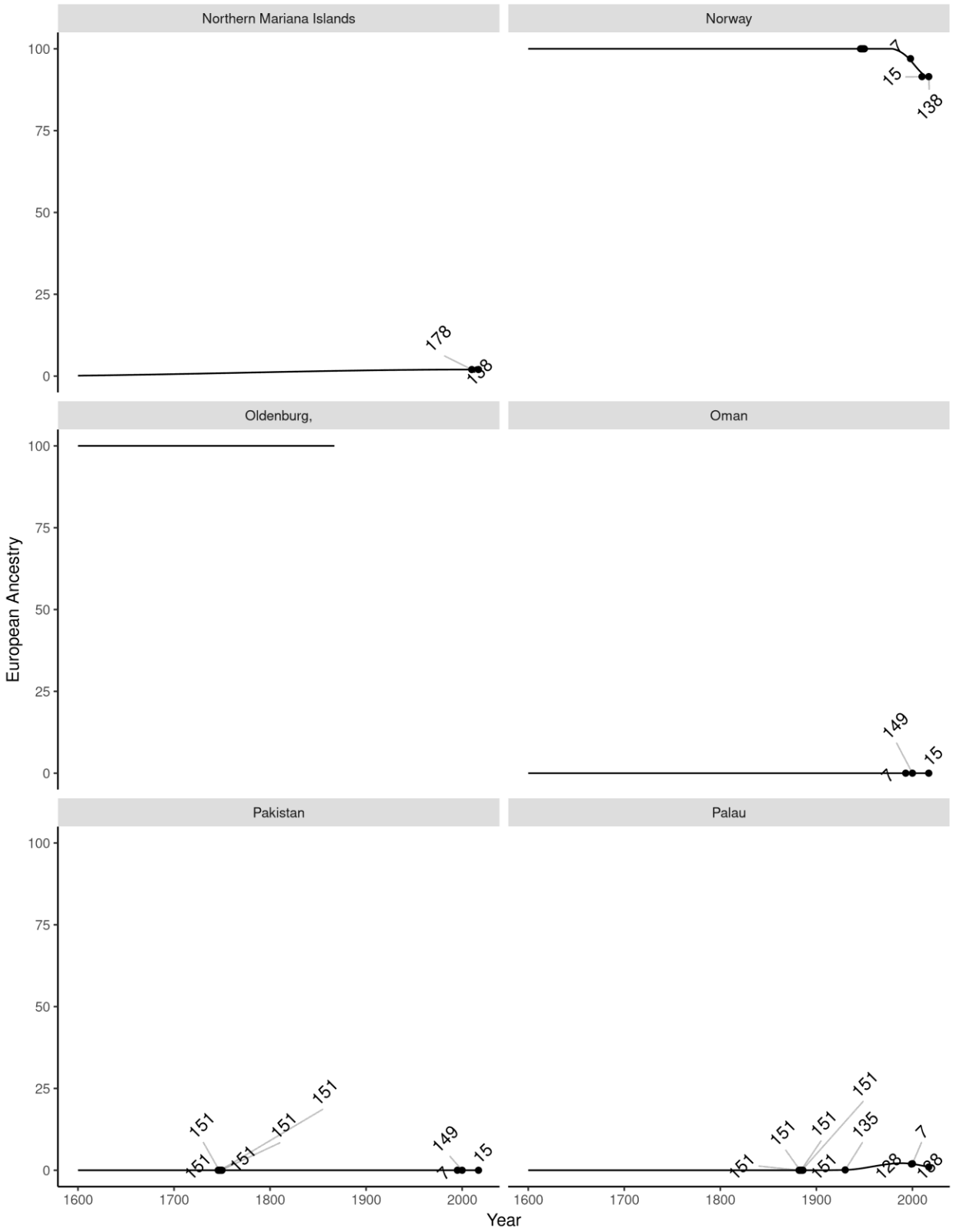
Northern Mariana Islands
Norway
Oldenburg,
Oman
Pakistan
Palau
European Ancestry
Year
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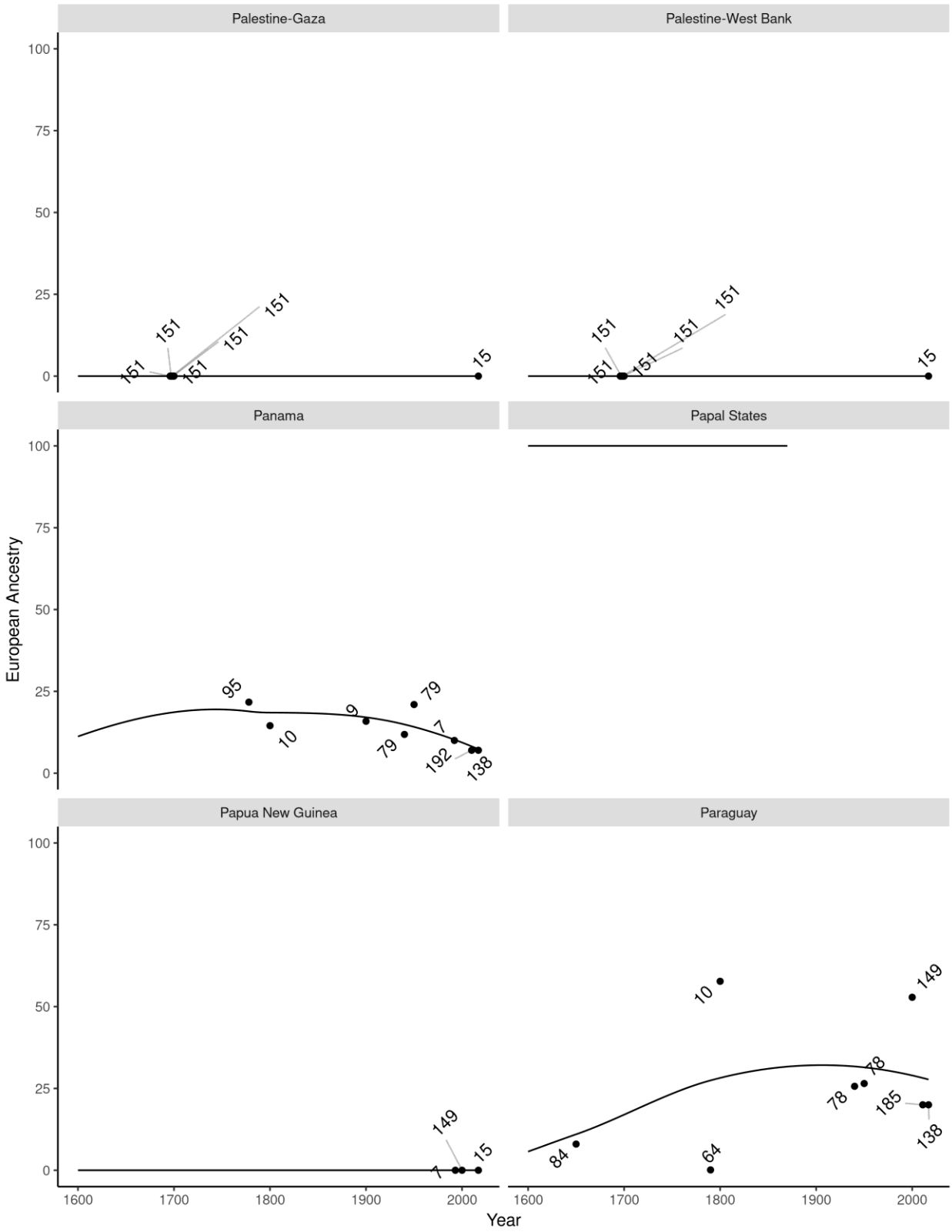
Palestine-Gaza
Palestine-West Bank
Panama
Papal States
Papua New Guinea
Paraguay
European Ancestry
Year
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75
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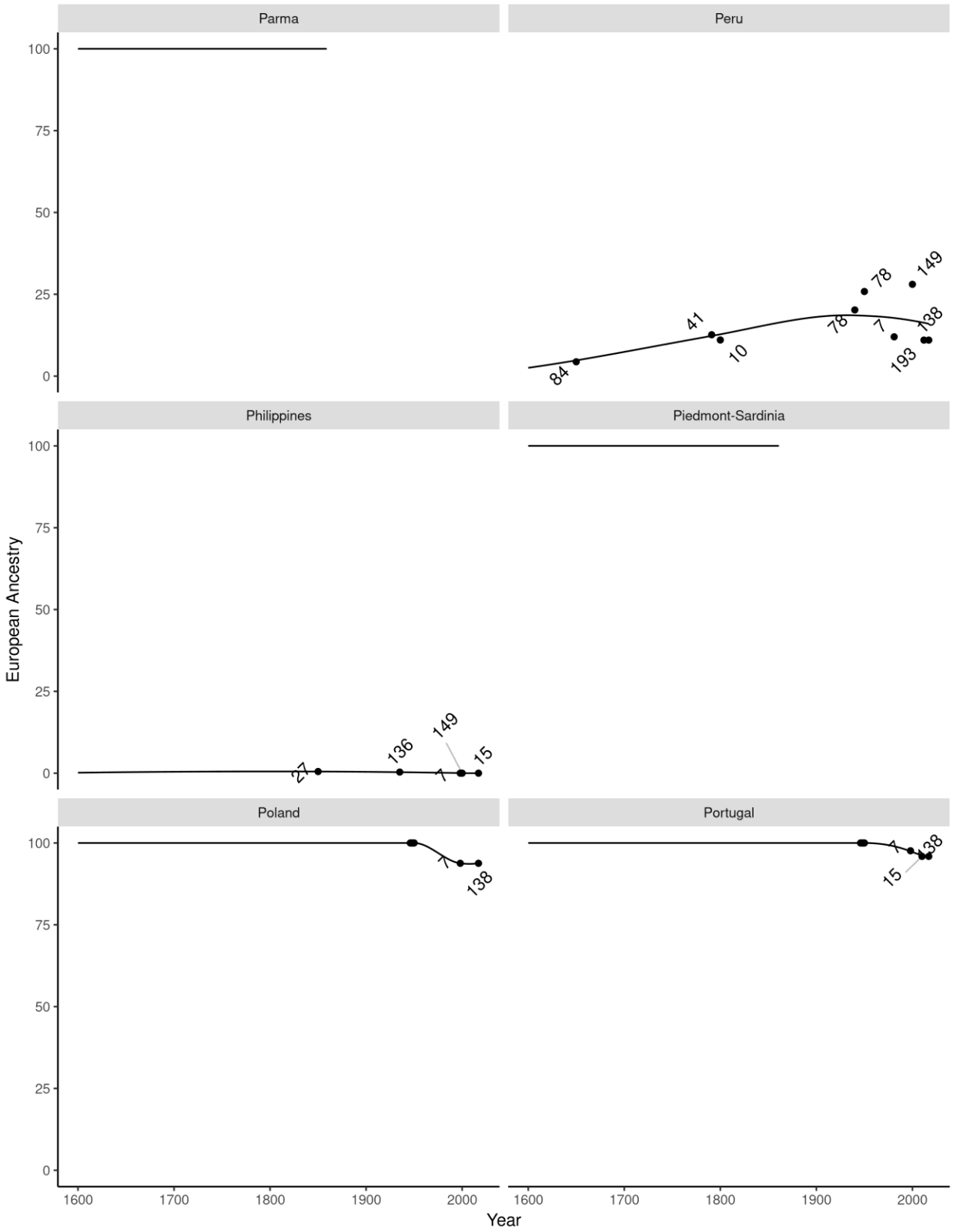
Parma
Peru
Philippines
Piedmont-Sardinia
Poland
Portugal
European Ancestry
Year
100
75
50
25
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1600
1700
1800
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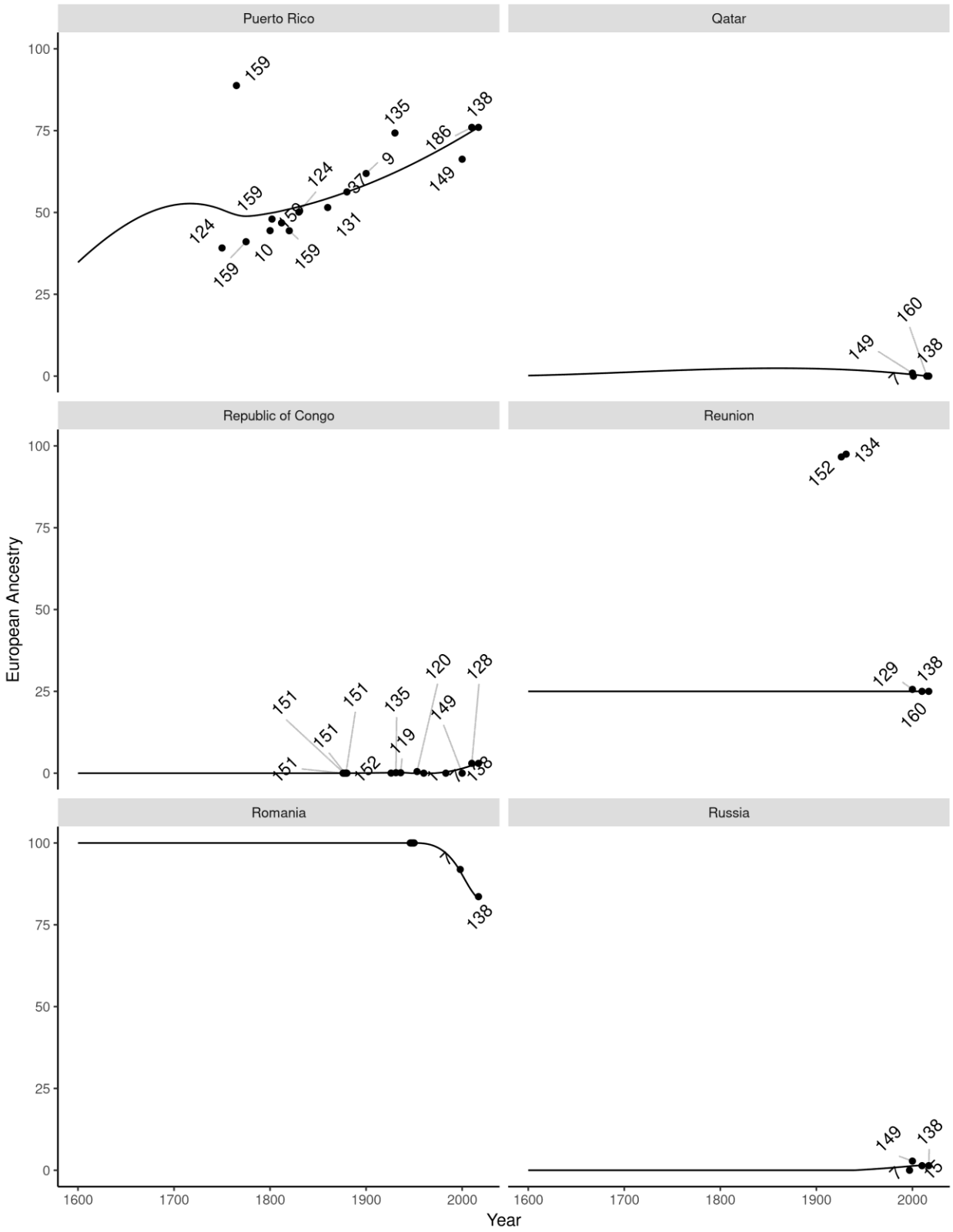
Puerto Rico
Qatar
Republic of Congo
Reunion
Romania
Russia
European Ancestry
Year
100
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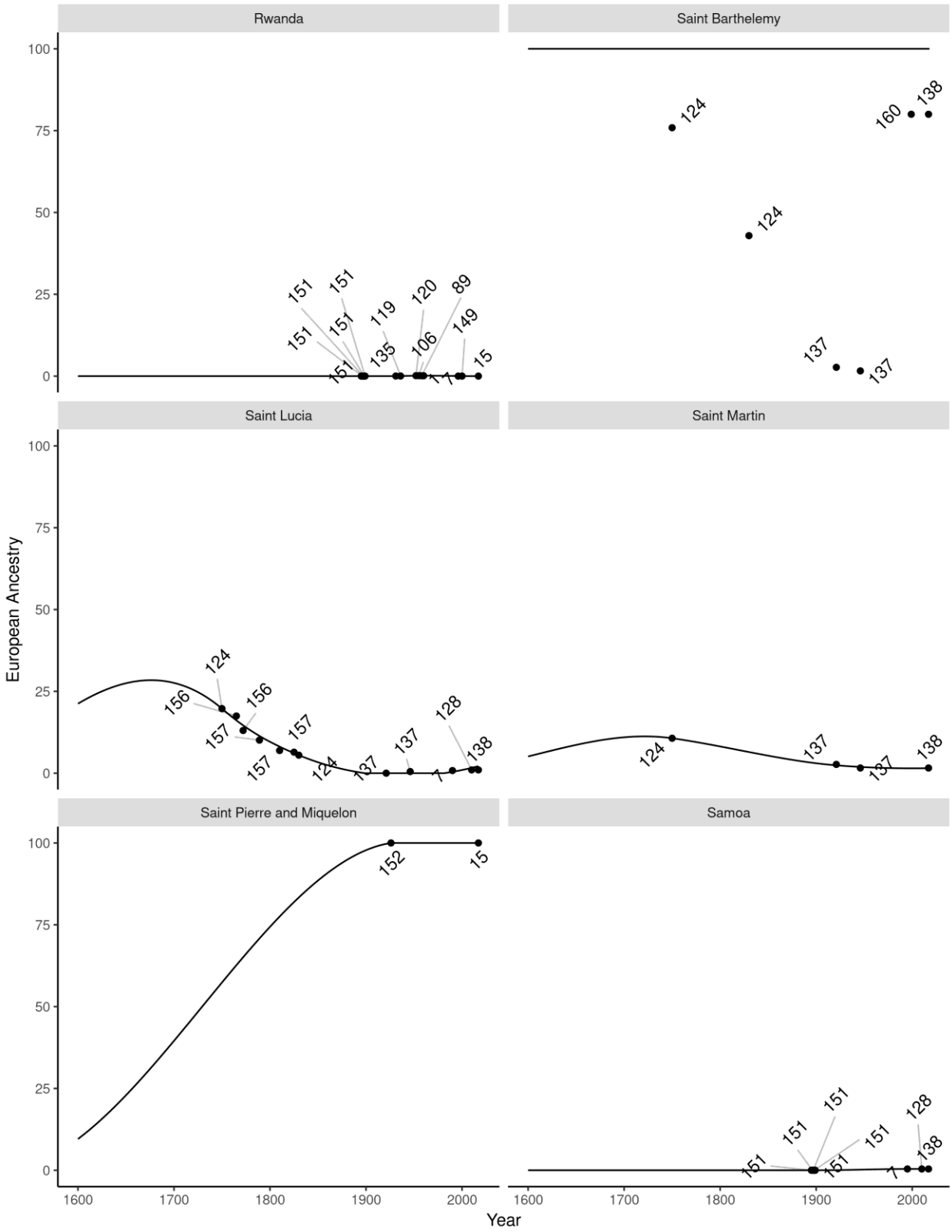
Rwanda
Saint Barthelemy
Saint Lucia
Saint Martin
Saint Pierre and Miquelon
Samoa
European Ancestry
Year
100
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1700
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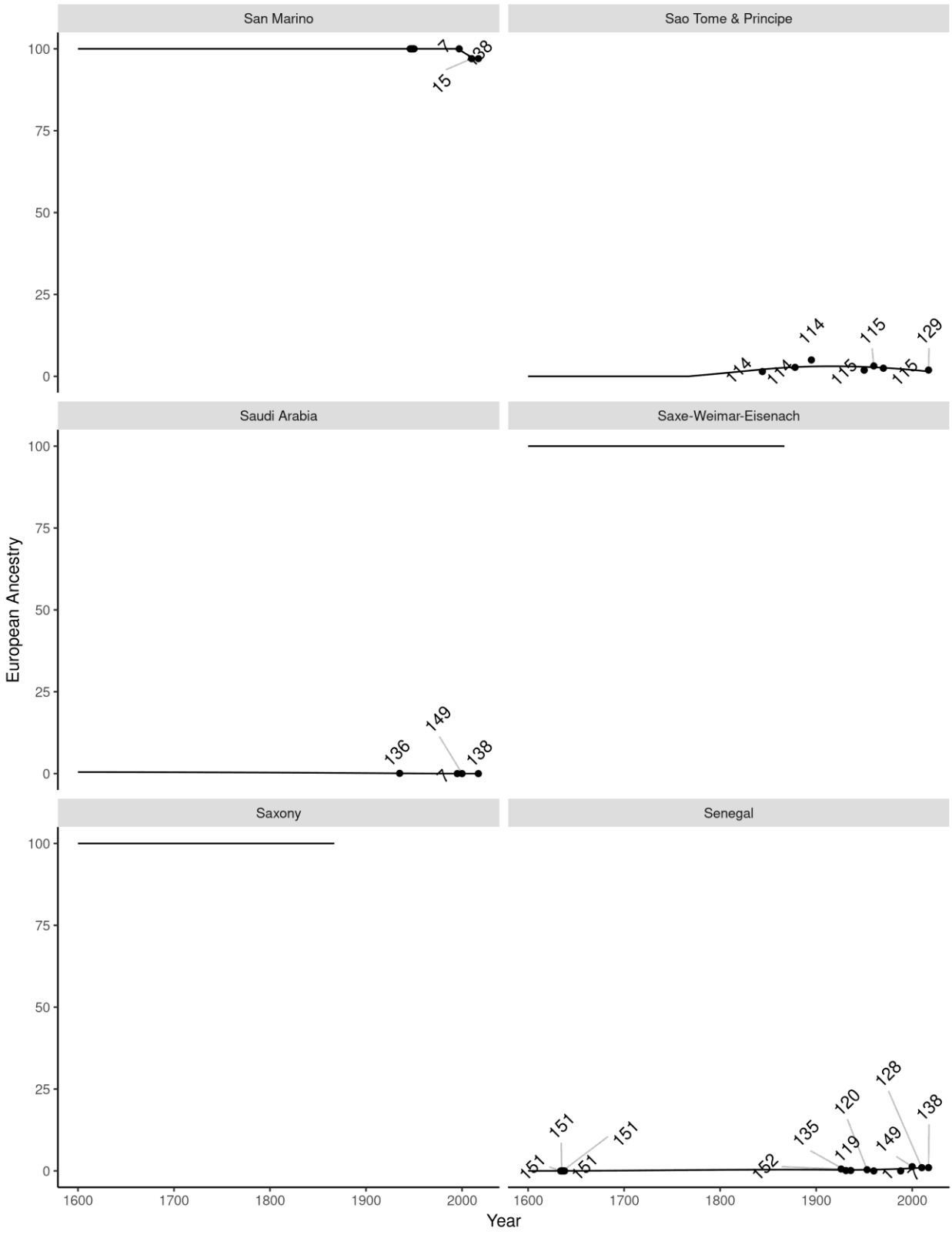
San Marino
Sao Tome & Principe
Saudi Arabia
Saxe-Weimar-Eisenach
Saxony
Senegal
European Ancestry
Year
100
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1700
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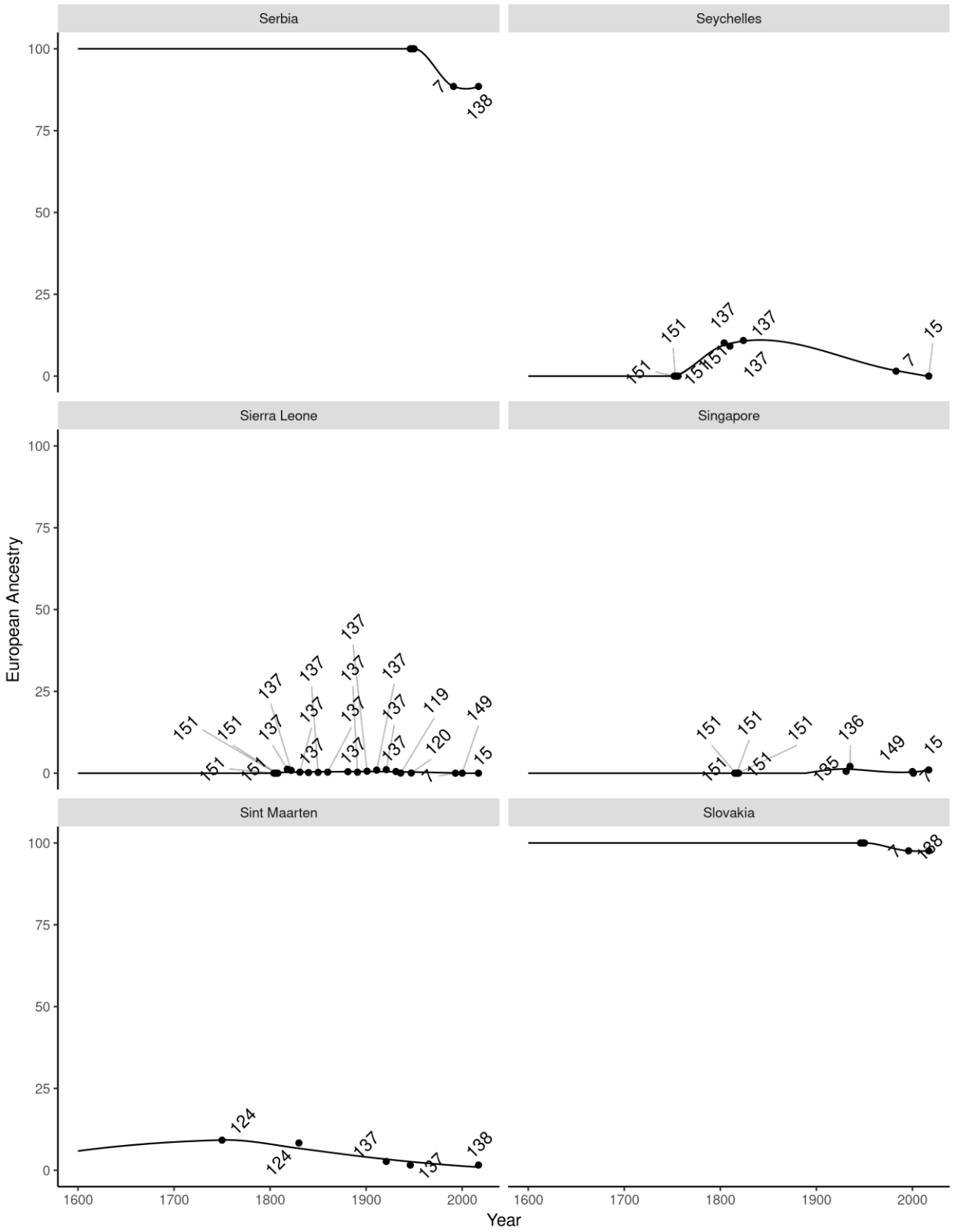
Serbia
Seychelles
Sierra Leone
Singapore
Sint Maarten
Slovakia
European Ancestry
Year
100
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1700
1800
1900
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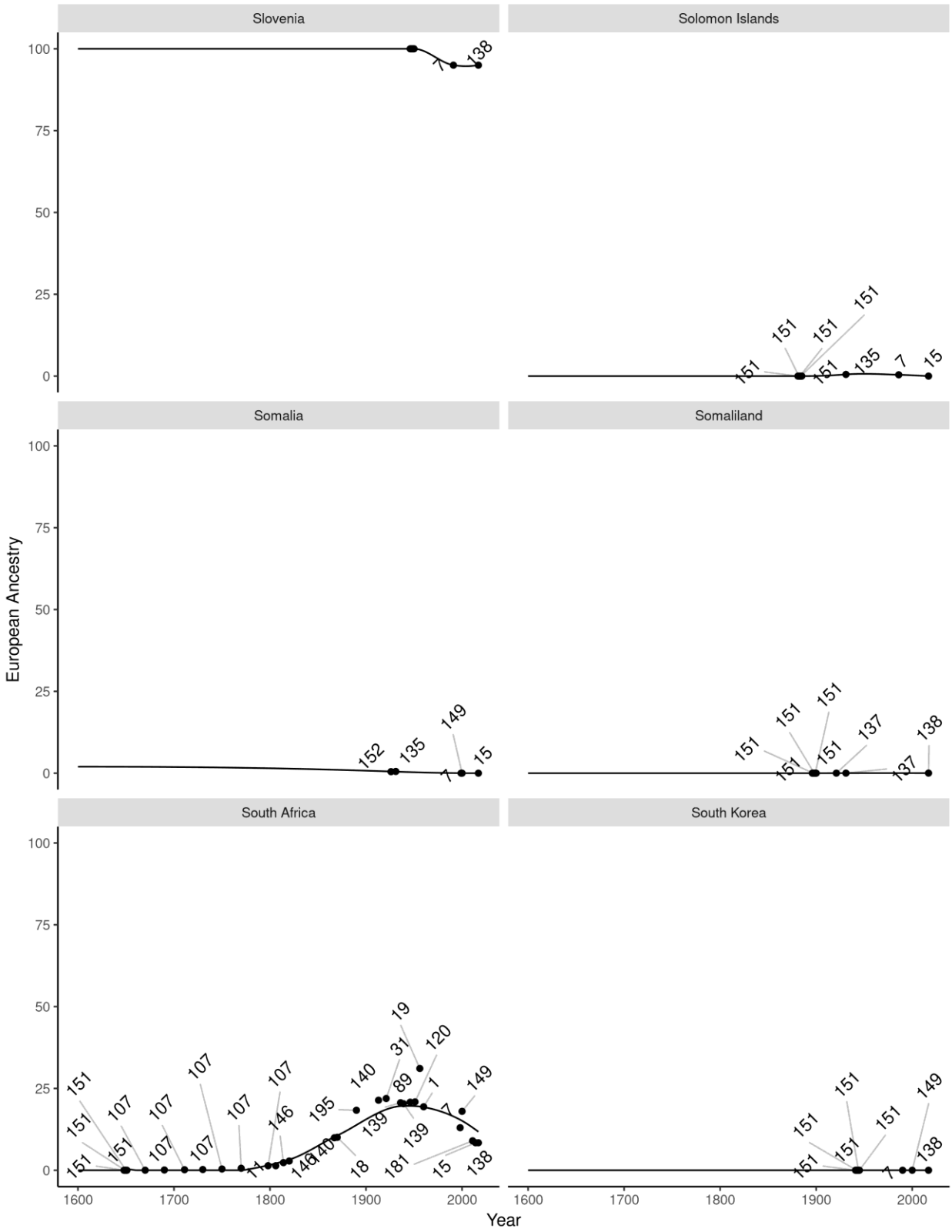
Slovenia
Solomon Islands
Somalia
Somaliland
South Africa
South Korea
European Ancestry
Year
100
75
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1600
1700
1800
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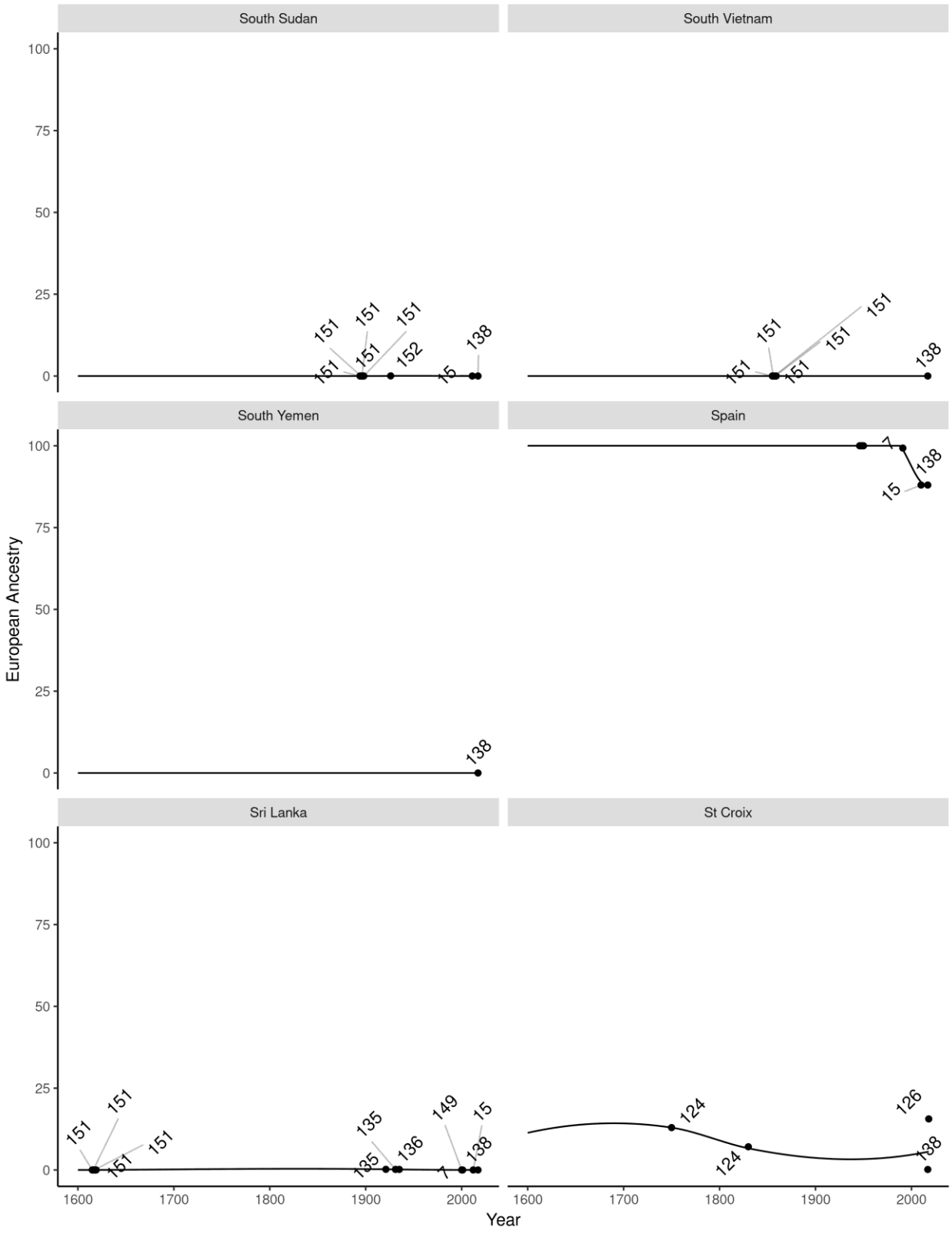
2000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Spain
Sri Lanka
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European Ancestry
Year
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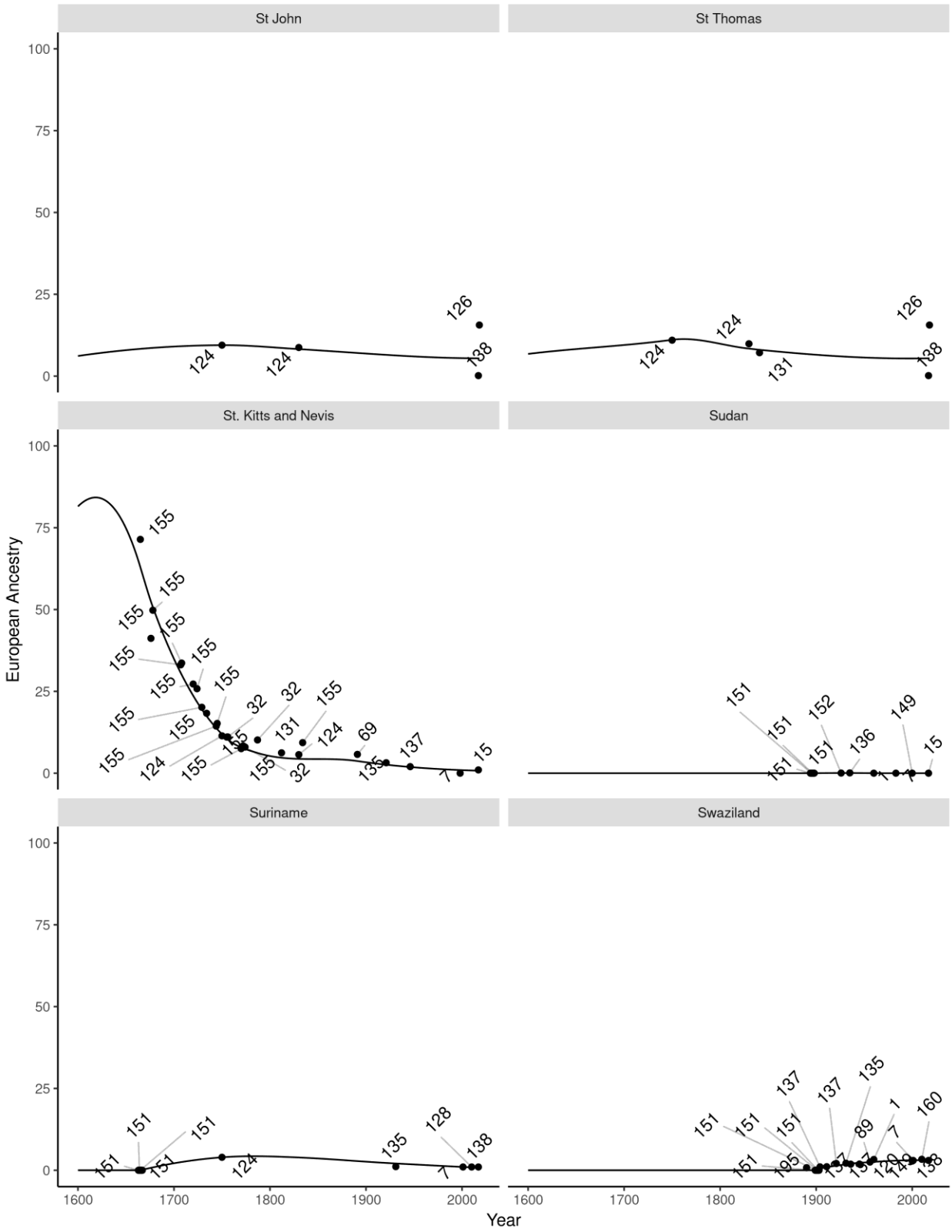
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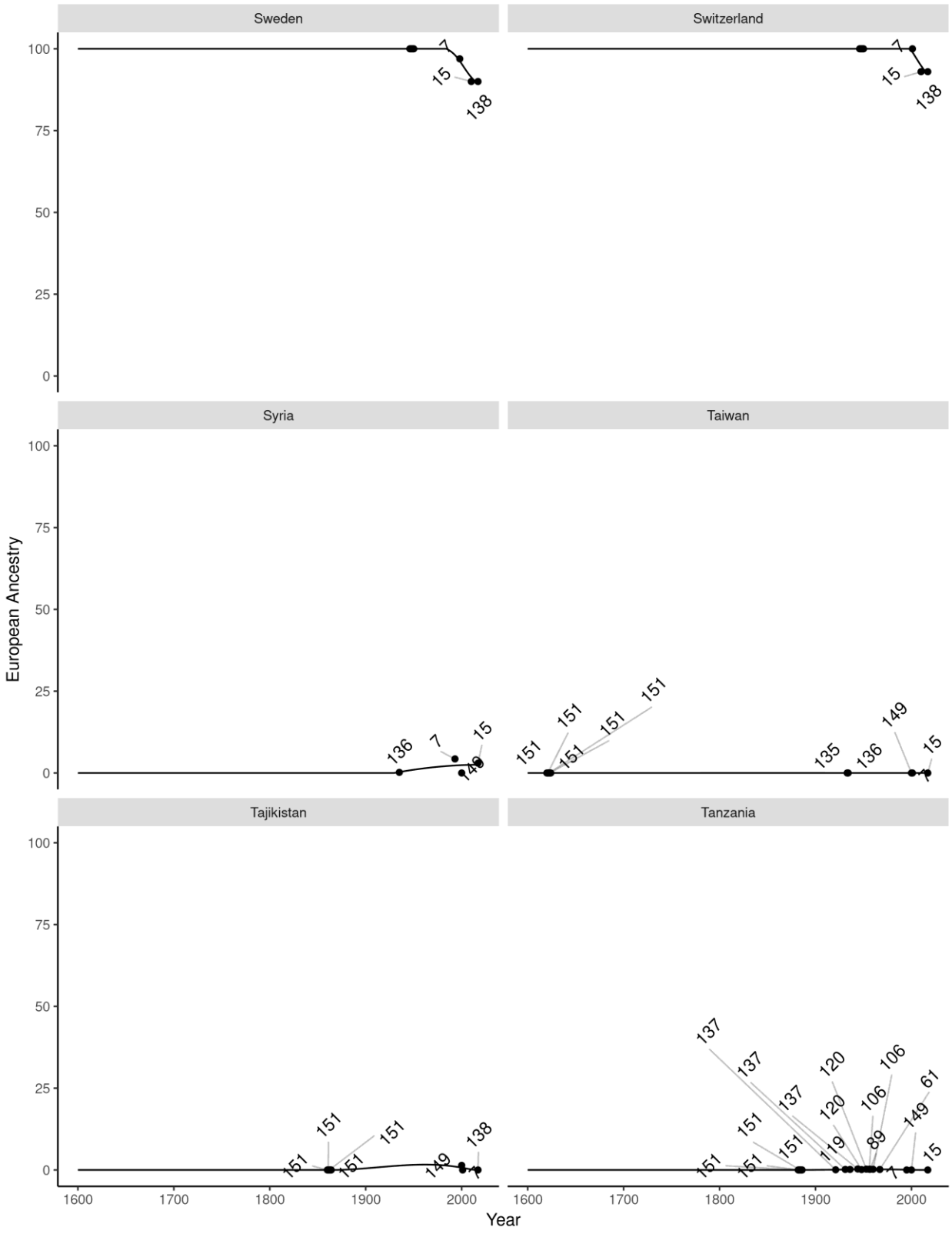
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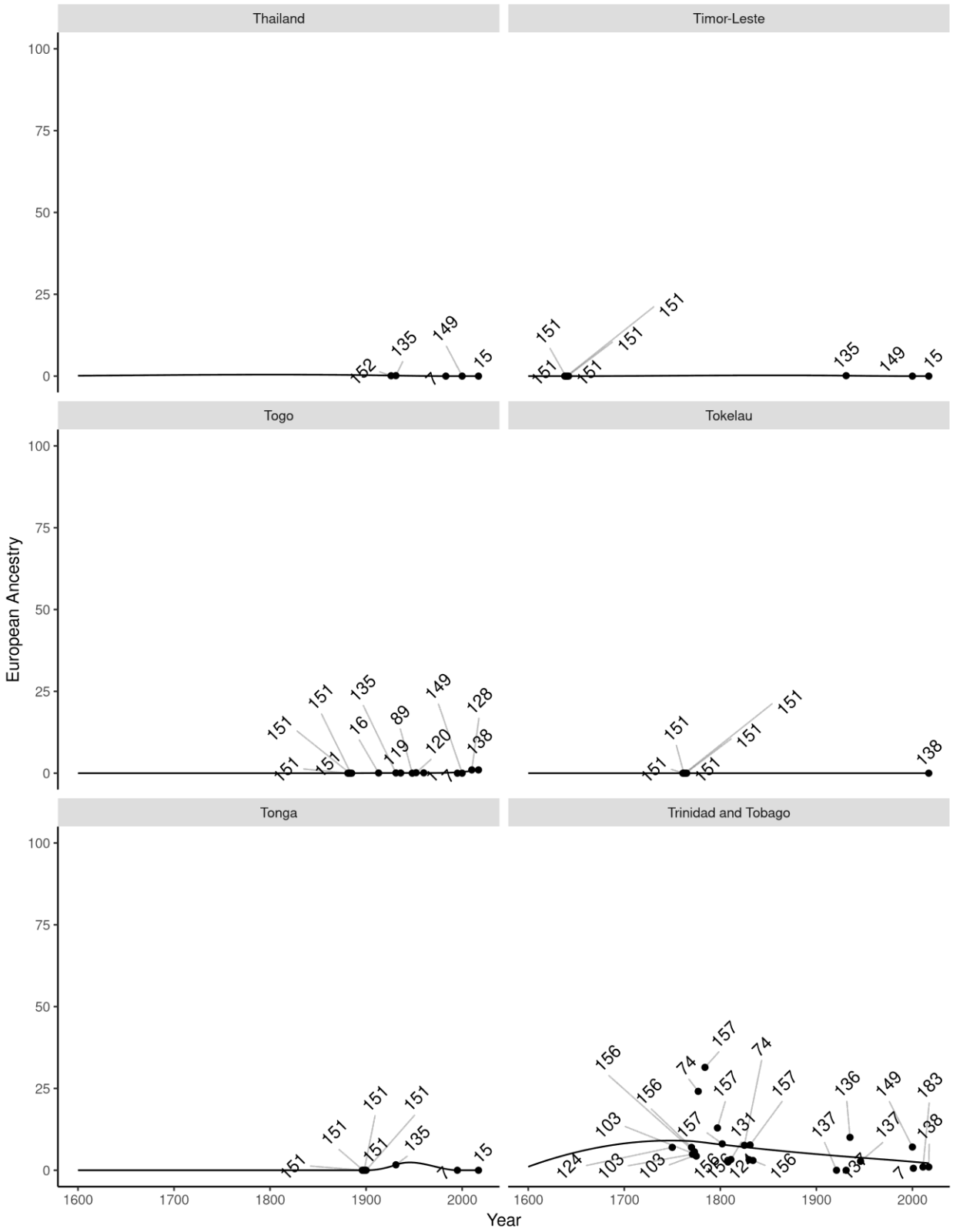
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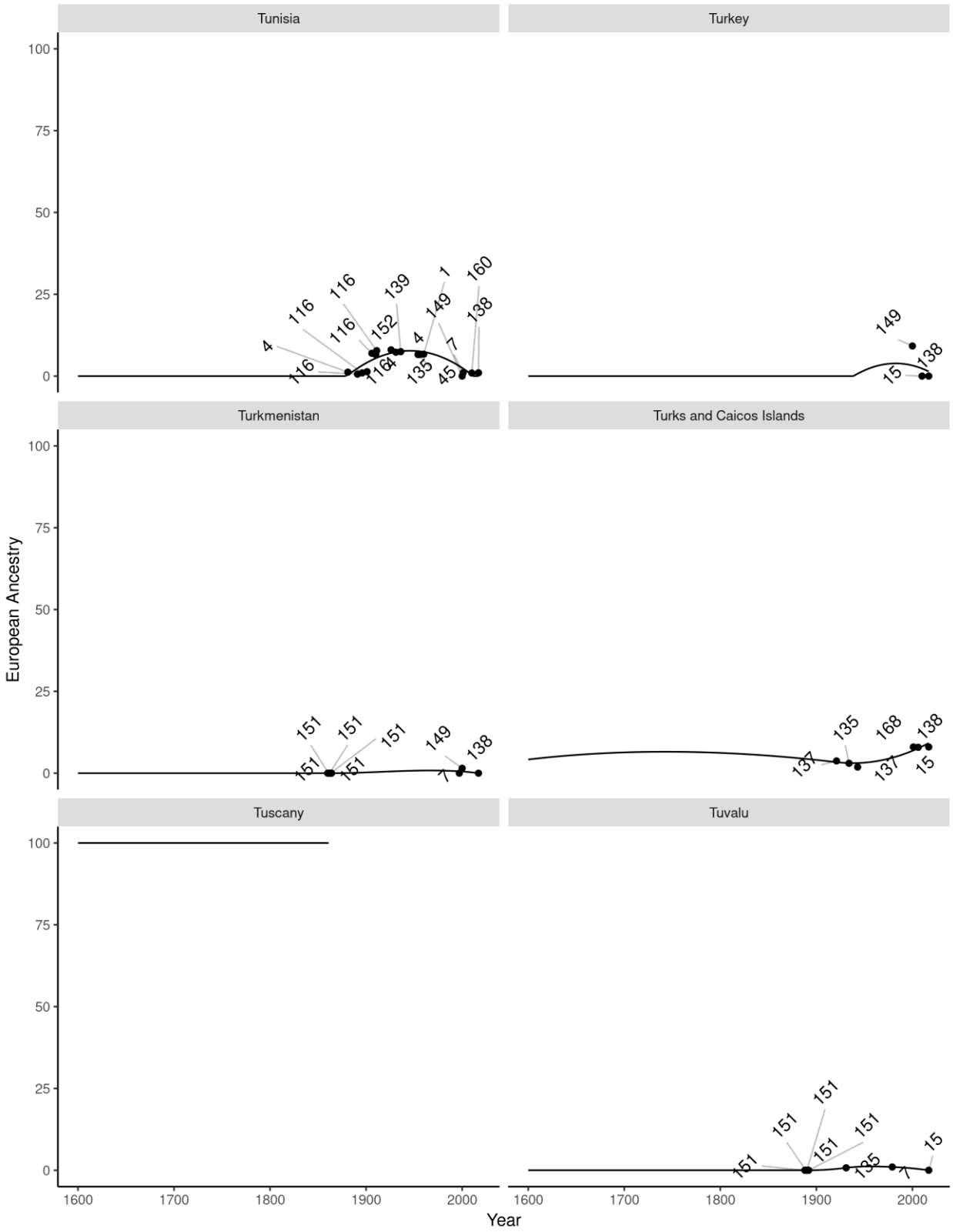
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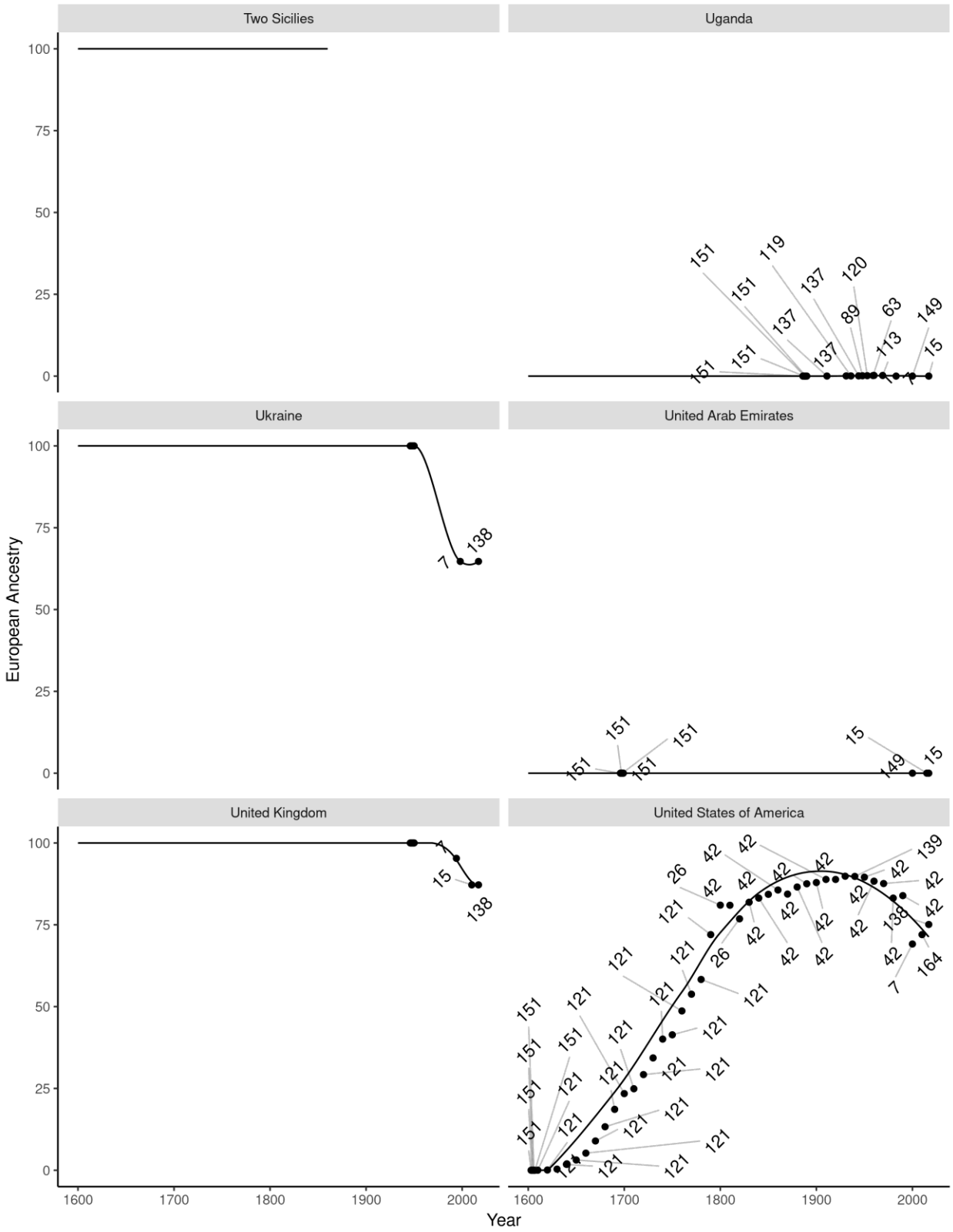
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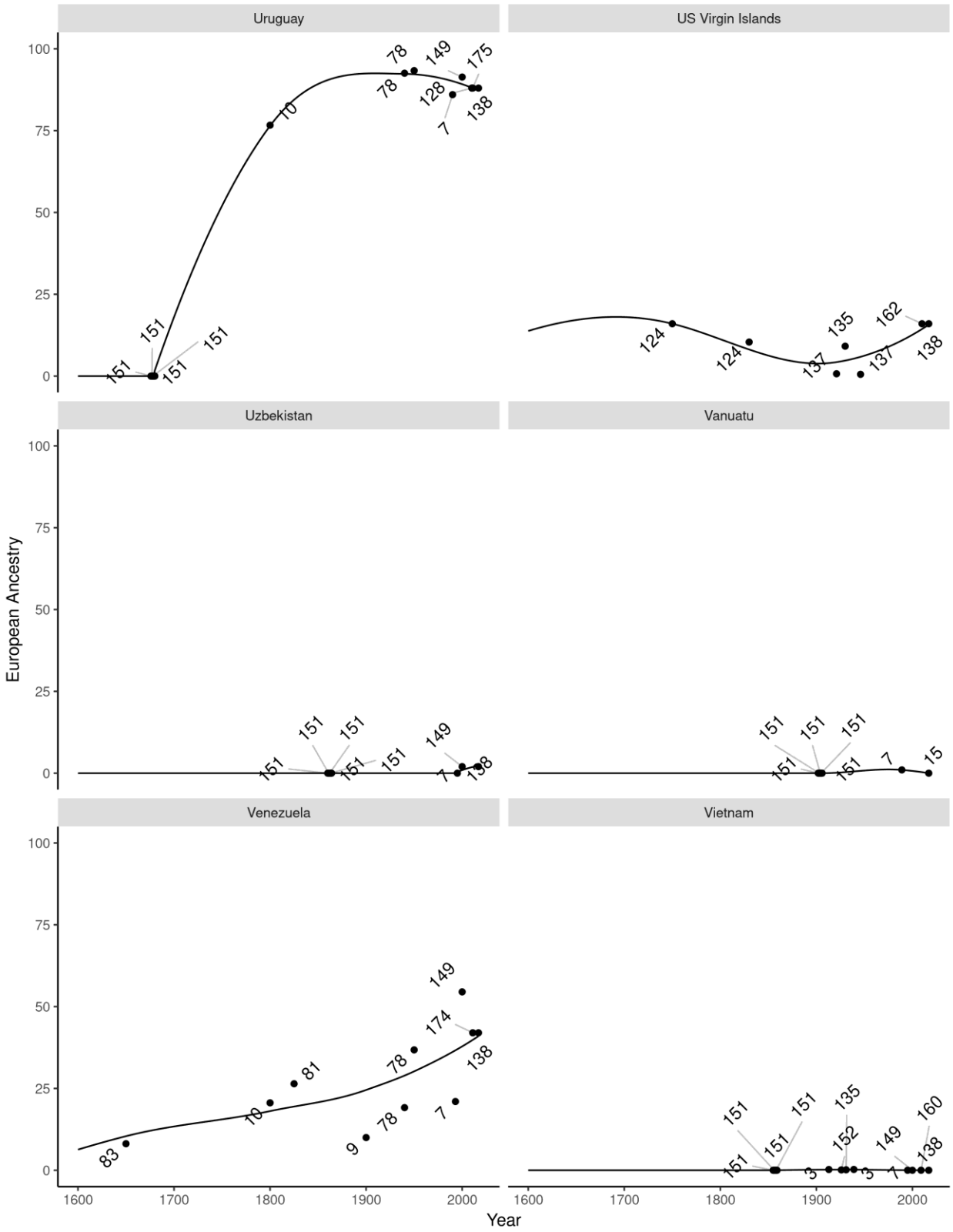
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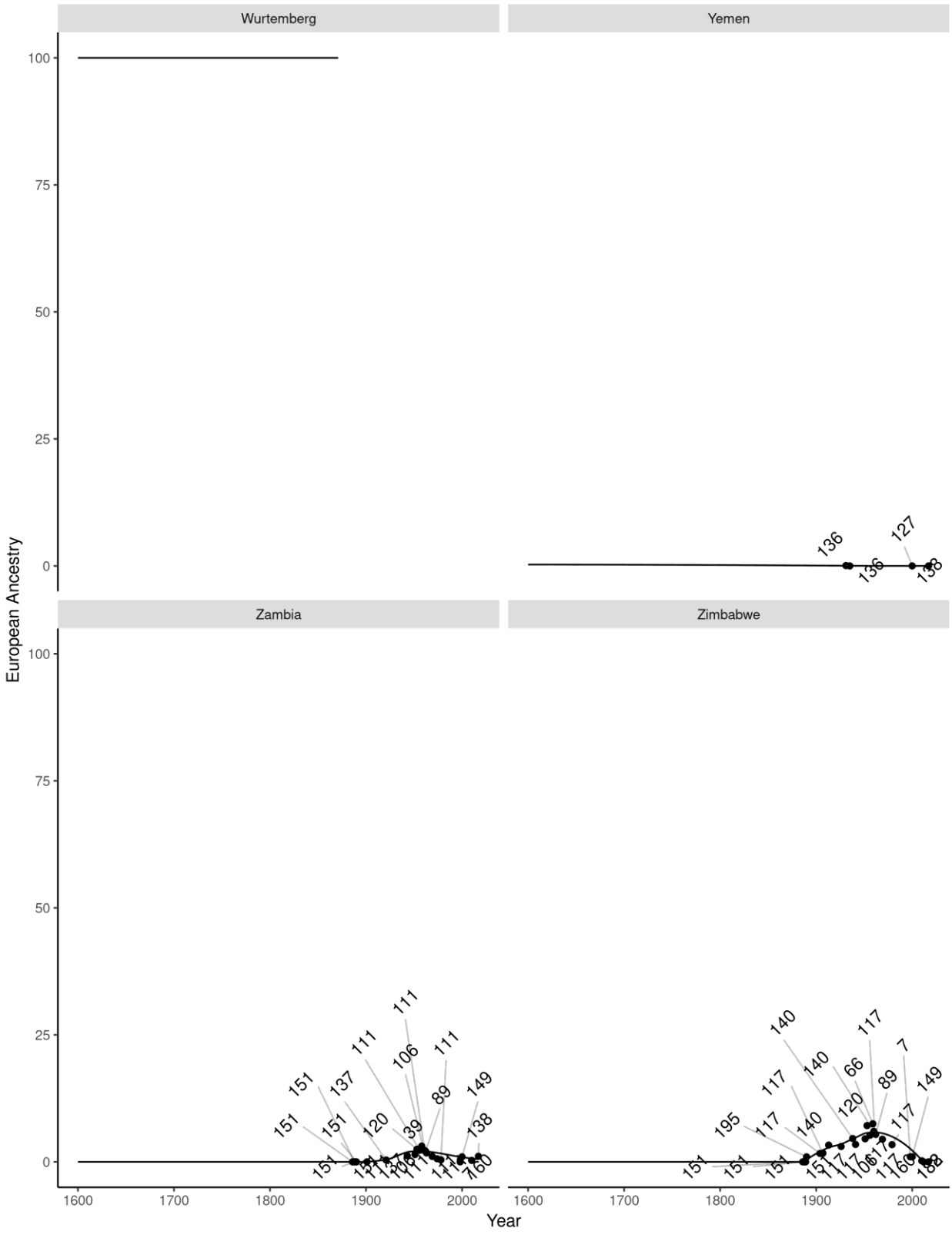
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Yemen
Zambia
Zimbabwe
European Ancestry
Year
100
75
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1700
1800
1900
2000

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Part III: European Diffusion

This section focuses on sources relevant to Part III of the book, i.e., European colonialism, settler societies, race, and migration.

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