

D ADDITIONAL REGRESSION TABLES

Table D.1: Regression Table for Figure A.3

Panel A: Bivariate Models								
	DV: COUNTRY BORDER IN CELL							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
PCS frontier	0.12** (0.04)				0.15** (0.04)			
PCS frontier (0.25° buffer)		0.10** (0.03)				0.12** (0.03)		
PCS interior			-0.08** (0.02)				-0.09** (0.03)	
PCS interior (0.25° buffer)				-0.10** (0.02)				-0.11** (0.03)
Constant	0.14** (0.01)	0.13** (0.01)	0.16** (0.01)	0.16** (0.01)	0.15** (0.01)	0.15** (0.01)	0.18** (0.01)	0.18** (0.01)
Grid cells	10341	10341	10341	10341	7228	7228	7228	7228
Adjusted R^2	0.01	0.01	0.004	0.005	0.02	0.01	0.005	0.005
Sample	Full	Full	Full	Full	SSA	SSA	SSA	SSA

Panel B: Add Region FE								
	DV: COUNTRY BORDER IN CELL							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
PCS frontier	0.11** (0.03)				0.14** (0.04)			
PCS frontier (0.25° buffer)		0.08** (0.03)				0.11** (0.03)		
PCS interior			-0.10** (0.02)				-0.10** (0.03)	
PCS interior (0.25° buffer)				-0.12** (0.02)				-0.12** (0.03)
Constant	0.14** (0.03)	0.14** (0.03)	0.16** (0.03)	0.16** (0.03)	0.14** (0.03)	0.13** (0.03)	0.16** (0.03)	0.16** (0.03)
Grid cells	10341	10341	10341	10341	7228	7228	7228	7228
Adjusted R^2	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01
Sample	Full	Full	Full	Full	SSA	SSA	SSA	SSA
Region FE	✓	✓	✓	✓	✓	✓	✓	✓

Notes: This regression table accompanies Figure A.3. “Full” models include all grid cells; Sub-Saharan (“SSA”) models are limited to grid cells south of the 18°N parallel. All models are estimated using OLS with Conley standard errors in parentheses (distance cutoff = 300 km). ⁺ $p < 0.10$, * $p < 0.05$, ** $p < 0.01$

Table D.2: Regression Table for Figure A.4

	DV: COUNTRY BORDER IN CELL			
	(1)	(2)	(3)	(4)
PCS frontier	0.13** (0.03)		0.14** (0.03)	
PCS frontier (0.25° buffer)		0.12** (0.04)		0.13** (0.05)
Major (top 10) river	0.14+ (0.08)	0.14+ (0.08)	0.15 (0.10)	0.16 (0.10)
Minor river	0.05 (0.05)	0.05 (0.05)	0.07 (0.06)	0.07 (0.06)
Major watershed	0.07* (0.03)	0.07* (0.03)	0.07* (0.03)	0.07* (0.03)
Major (top 10) lake	0.25** (0.06)	0.27** (0.07)	0.27** (0.06)	0.28** (0.07)
Minor lake	0.04 (0.04)	0.05 (0.04)	0.07 (0.05)	0.09+ (0.05)
Cell in desert	0.01 (0.04)	0.01 (0.04)	-0.05 (0.06)	-0.05 (0.07)
Contested coastal areas	0.10* (0.05)	0.10* (0.05)	0.16* (0.08)	0.17* (0.08)
Ethnic group border in cell	0.02 (0.02)	0.02 (0.02)	0.02 (0.03)	0.03 (0.03)
Area of ethnic group	-0.02 (0.02)	-0.02 (0.02)	-0.03+ (0.02)	-0.03 (0.02)
Distance to the coast	0.15 (0.14)	0.14 (0.14)	0.13 (0.17)	0.13 (0.17)
Historical natural resources	-0.11* (0.05)	-0.12* (0.05)	-0.12* (0.06)	-0.13* (0.06)
Slave exports	-0.02* (0.01)	-0.02+ (0.01)	-0.02+ (0.01)	-0.02 (0.01)
Suitability for European settlement	0.05 (0.07)	0.06 (0.07)	0.08 (0.10)	0.08 (0.10)
Agricultural intensity	-0.00 (0.01)	-0.00 (0.01)	0.00 (0.02)	0.01 (0.02)
Population density in 1850	-0.50+ (0.27)	-0.49+ (0.27)	-1.11** (0.24)	-1.13** (0.23)
Ecological diversity	-0.21* (0.10)	-0.22* (0.10)	-0.21+ (0.12)	-0.21+ (0.12)
Tsetse suitability index	0.03 (0.03)	0.03 (0.03)	0.03 (0.03)	0.03 (0.03)
Constant	0.18 (0.37)	0.17 (0.36)	0.53 (0.45)	0.53 (0.44)
Grid cells	1871	1871	1477	1477
Adjusted R^2	0.26	0.26	0.25	0.25
Sample	Full	Full	SSA	SSA
PCS FE	✓	✓	✓	✓
Lat & Lon	✓	✓	✓	✓

Notes: This regression table accompanies Figure A.4. “Full” models include all grid cells; Sub-Saharan (“SSA”) models are limited to grid cells south of the 18°N parallel. All models are estimated using OLS with Conley standard errors in parentheses (distance cutoff = 300 km). + $p < 0.10$, * $p < 0.05$, ** $p < 0.01$

Table D.3: Regression Table for Figure A.5, No Controls

	<u>DV: COUNTRY BORDER IN CELL</u>							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
PCS frontier	0.12** (0.04)		0.14** (0.04)		0.19** (0.03)		0.21** (0.04)	
PCS interior	-0.07** (0.02)		-0.07* (0.03)					
PCS frontier (0.25° buffer)		0.09** (0.03)		0.11** (0.03)		0.18** (0.03)		0.20** (0.04)
PCS interior (0.25° buffer)		-0.09** (0.03)		-0.09** (0.03)				
Cell outside PCS					0.07** (0.02)		0.07* (0.03)	
Cell outside PCS (0.25° buffer)						0.09** (0.03)		0.09** (0.03)
Constant	0.14** (0.01)	0.14** (0.01)	0.16** (0.01)	0.16** (0.02)	0.07** (0.02)	0.05* (0.02)	0.09** (0.02)	0.07* (0.03)
Grid cells	10341	10341	7228	7228	10341	10341	7228	7228
Adjusted R^2	0.01	0.01	0.02	0.02	0.01	0.01	0.02	0.02
Sample	Full	Full	SSA	SSA	Full	Full	SSA	SSA
reference category: Cell outside PCS	✓	✓	✓	✓				
reference category: PCS interior					✓	✓	✓	✓

Notes: This regression table accompanies Figure A.5. “Full” models include all grid cells; Sub-Saharan (“SSA”) models are limited to grid cells south of the 18°N parallel. All models are estimated using OLS with Conley standard errors in parentheses (distance cutoff = 300 km). + $p < 0.10$, * $p < 0.05$, ** $p < 0.01$

Table D.4: Regression Table for Figure A.5, Controls and Region FE

	DV: COUNTRY BORDER IN CELL							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
PCS frontier	0.08*		0.11**		0.16**		0.18**	
	(0.03)		(0.04)		(0.03)		(0.04)	
PCS interior	-0.08**		-0.07*					
	(0.02)		(0.03)					
PCS frontier (0.25° buffer)		0.06*		0.08*		0.15**		0.16**
		(0.03)		(0.03)		(0.03)		(0.04)
PCS interior (0.25° buffer)		-0.09**		-0.08*				
		(0.03)		(0.03)				
Cell outside PCS					0.08**		0.07*	
					(0.02)		(0.03)	
Cell outside PCS (0.25° buffer)						0.09**		0.08*
						(0.03)		(0.03)
Major (top 10) river	0.20**	0.20**	0.22**	0.22**	0.20**	0.20**	0.22**	0.22**
	(0.06)	(0.06)	(0.07)	(0.07)	(0.06)	(0.06)	(0.07)	(0.07)
Minor river	0.07*	0.07*	0.07**	0.07**	0.07*	0.07*	0.07**	0.07**
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
Major watershed	0.10**	0.09**	0.10**	0.10**	0.10**	0.09**	0.10**	0.10**
	(0.02)	(0.03)	(0.03)	(0.03)	(0.02)	(0.03)	(0.03)	(0.03)
Major (top 10) lake	0.29**	0.29**	0.29**	0.29**	0.29**	0.29**	0.29**	0.29**
	(0.09)	(0.09)	(0.09)	(0.09)	(0.09)	(0.09)	(0.09)	(0.09)
Minor lake	0.00	0.00	-0.00	-0.00	0.00	0.00	-0.00	-0.00
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
Cell in desert	-0.03	-0.02	-0.04 ⁺	-0.04	-0.03	-0.02	-0.04 ⁺	-0.04
	(0.02)	(0.02)	(0.03)	(0.03)	(0.02)	(0.02)	(0.03)	(0.03)
Contested coastal areas	0.09**	0.09**	0.08*	0.08*	0.09**	0.09**	0.08*	0.08*
	(0.02)	(0.02)	(0.03)	(0.03)	(0.02)	(0.02)	(0.03)	(0.03)
Ethnic group border in cell	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Area of ethnic group	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Distance to the coast	0.03	0.03	0.02	0.01	0.03	0.03	0.02	0.01
	(0.02)	(0.02)	(0.03)	(0.03)	(0.02)	(0.02)	(0.03)	(0.03)
Historical natural resources	-0.05*	-0.06*	-0.06 ⁺	-0.06*	-0.05*	-0.06*	-0.06 ⁺	-0.06*
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
Slave exports	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Suitability for European settlement	0.04	0.05	0.05	0.05	0.04	0.05	0.05	0.05
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
Agricultural intensity	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Population density in 1850	-0.78*	-0.75*	-1.20*	-1.17 ⁺	-0.78*	-0.75*	-1.20*	-1.17 ⁺
	(0.33)	(0.32)	(0.61)	(0.63)	(0.33)	(0.32)	(0.61)	(0.63)
Ecological diversity	-0.07	-0.07	-0.10*	-0.10 ⁺	-0.07	-0.07	-0.10*	-0.10 ⁺
	(0.05)	(0.05)	(0.05)	(0.05)	(0.05)	(0.05)	(0.05)	(0.05)
Tsetse suitability index	0.04**	0.04**	0.04**	0.04**	0.04**	0.04**	0.04**	0.04**
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Constant	0.14*	0.14*	0.19**	0.18**	0.07	0.05	0.12	0.10
	(0.06)	(0.06)	(0.07)	(0.07)	(0.06)	(0.07)	(0.07)	(0.08)
Grid cells	9913	9913	6816	6816	9913	9913	6816	6816
Adjusted R^2	0.08	0.08	0.09	0.09	0.08	0.08	0.09	0.09
Sample	Full	Full	SSA	SSA	Full	Full	SSA	SSA
reference category: Cell outside PCS	✓	✓	✓	✓				
reference category: PCS interior					✓	✓	✓	✓
Region FE	✓	✓	✓	✓	✓	✓	✓	✓
Lat & Lon	✓	✓	✓	✓	✓	✓	✓	✓

Notes: This regression table accompanies Figure A.5. “Full” models include all grid cells; Sub-Saharan (“SSA”) models are limited to grid cells south of the 18°N parallel. All models are estimated using OLS with Conley standard errors in parentheses (distance cutoff = 300 km). ⁺ $p < 0.10$, * $p < 0.05$, ** $p < 0.01$

Table D.5: Regression Table for Figure A.6

	DV: COUNTRY BORDER IN CELL											
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
PCS frontier	0.14** (0.04)	0.17** (0.04)			0.09** (0.04)	0.13** (0.04)			0.09* (0.03)	0.11** (0.04)		
PCS interior	-0.05* (0.02)	-0.04 (0.03)			-0.08** (0.02)	-0.06+ (0.03)			-0.07** (0.02)	-0.07* (0.03)		
Ethnic group border	0.05** (0.01)	0.05** (0.02)			0.02 (0.01)	0.02 (0.01)			0.01 (0.01)	0.00 (0.01)		
PCS frontier (0.25° buffer)			0.11** (0.03)	0.14** (0.03)			0.07* (0.03)	0.10** (0.03)			0.06* (0.03)	0.08** (0.03)
PCS interior (0.25° buffer)			-0.07* (0.03)	-0.06+ (0.03)			-0.10** (0.03)	-0.07* (0.03)			-0.09** (0.03)	-0.08* (0.03)
Ethnic group border (0.25° buffer)			0.05** (0.01)	0.05** (0.02)			0.02 (0.01)	0.02 (0.02)			0.01 (0.01)	0.00 (0.01)
Major (top 10) river					0.18** (0.06)	0.20** (0.07)	0.18** (0.06)	0.20** (0.07)	0.20** (0.06)	0.22** (0.07)	0.20** (0.06)	0.22** (0.07)
Minor river					0.07** (0.03)	0.07** (0.03)	0.07** (0.03)	0.08** (0.03)	0.07** (0.03)	0.07** (0.03)	0.07** (0.03)	0.08** (0.03)
Major watershed					0.10** (0.03)	0.11** (0.03)	0.10** (0.03)	0.11** (0.03)	0.10** (0.03)	0.10** (0.03)	0.09** (0.03)	0.10** (0.03)
Major (top 10) lake					0.32** (0.09)	0.31** (0.09)	0.32** (0.09)	0.31** (0.09)	0.29** (0.09)	0.29** (0.09)	0.29** (0.09)	0.29** (0.09)
Minor lake					-0.01 (0.03)	-0.02 (0.03)	-0.01 (0.03)	-0.02 (0.03)	0.00 (0.03)	-0.00 (0.03)	0.00 (0.03)	-0.00 (0.03)
Cell in desert					-0.03 (0.02)	-0.06* (0.02)	-0.03 (0.02)	-0.06* (0.02)	-0.03 (0.02)	-0.04+ (0.03)	-0.02 (0.02)	-0.04 (0.03)
Contested coastal areas									0.09** (0.02)	0.08* (0.03)	0.09** (0.02)	0.08* (0.03)
Area of ethnic group									-0.01 (0.01)	-0.01 (0.01)	-0.01 (0.01)	-0.01 (0.01)
Distance to the coast									0.03 (0.02)	0.02 (0.03)	0.03 (0.02)	0.02 (0.03)
Historical natural resources									-0.05* (0.03)	-0.06+ (0.03)	-0.06* (0.03)	-0.06* (0.03)
Slave exports									-0.00 (0.00)	-0.00 (0.00)	-0.00 (0.00)	-0.00 (0.00)
Suitability for European settlement									0.04 (0.03)	0.05 (0.03)	0.05 (0.03)	0.05 (0.03)
Agricultural intensity									-0.00 (0.01)	-0.00 (0.01)	-0.00 (0.01)	-0.00 (0.01)
Population density in 1850									-0.78* (0.33)	-1.21* (0.61)	-0.75* (0.32)	-1.18+ (0.63)
Ecological diversity									-0.07 (0.05)	-0.10* (0.05)	-0.07 (0.05)	-0.10* (0.05)
Tsetse suitability index									0.04** (0.01)	0.04** (0.01)	0.04** (0.01)	0.04** (0.01)
Constant	0.12** (0.01)	0.13** (0.01)	0.12** (0.01)	0.13** (0.01)	0.11** (0.01)	0.11** (0.02)	0.11** (0.01)	0.10** (0.02)	0.15* (0.06)	0.20** (0.07)	0.15* (0.06)	0.19** (0.07)
Grid cells	10341	7228	10341	7228	10341	7228	10341	7228	9913	6816	9913	6816
Adjusted R^2	0.02	0.02	0.02	0.02	0.05	0.07	0.05	0.07	0.08	0.09	0.08	0.09
Sample	Full	SSA	Full	SSA	Full	SSA	Full	SSA	Full	SSA	Full	SSA
Region FE									✓	✓	✓	✓
Lat & Lon									✓	✓	✓	✓

Notes: This regression table accompanies Figure A.6. “Full” models include all grid cells; Sub-Saharan (“SSA”) models are limited to grid cells south of the 18°N parallel. All models are estimated using OLS with Conley standard errors in parentheses (distance cutoff = 300 km). + $p < 0.10$, * $p < 0.05$, ** $p < 0.01$

Table D.6: Regression Table for Figure A.9 Left Panel

	DV: SPLIT GROUPS (1) vs. NON-SPLIT GROUPS (0)								
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Any river	0.07*								
	(0.03)								
Any lake		0.12*							
		(0.05)							
Major watershed			0.18**					0.15**	0.15**
			(0.03)					(0.04)	(0.04)
Share of desert (0-1)				0.03				-0.01	-0.07
				(0.06)				(0.08)	(0.09)
Major (top 10) river					0.16**			0.11+	0.10+
					(0.05)			(0.06)	(0.06)
Minor river					0.04			-0.00	-0.00
					(0.03)			(0.04)	(0.04)
Major (top 10) lake						0.12+		0.18*	0.19*
						(0.07)		(0.08)	(0.08)
Minor lake						0.11+		0.04	0.04
						(0.06)		(0.06)	(0.06)
PCS Murdock							-0.02	0.02	-0.00
							(0.05)	(0.05)	(0.05)
Contested coastal areas								0.23**	0.22**
								(0.05)	(0.05)
Area of ethnic group								0.04*	0.04*
								(0.02)	(0.02)
Distance to the coast								0.00*	0.00+
								(0.00)	(0.00)
Historical natural resources density								-0.21*	-0.22*
								(0.09)	(0.09)
Slave exports								-0.00	0.00
								(0.01)	(0.01)
Suitability for European settlement								0.17	0.19+
								(0.11)	(0.11)
Agricultural intensity								-0.01	-0.00
								(0.01)	(0.02)
Population in 1850								-0.00*	-0.00+
								(0.00)	(0.00)
Ecological diversity								-0.08	-0.07
								(0.08)	(0.08)
Tsetse suitability index								0.06*	0.10**
								(0.02)	(0.03)
Constant	0.24**	0.26**	0.22**	0.27**	0.24**	0.26**	0.30**	0.10	0.02
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.08)	(0.09)
Ethnic groups	825	825	825	825	825	825	756	756	756
Adjusted R^2	0.00	0.01	0.03	-0.00	0.01	0.01	-0.00	0.10	0.12
Region FE									✓
Lat & Lon								✓	✓

Notes: This regression table accompanies the left panel of Figure A.9. All models are estimated using OLS with robust standard errors in parentheses. + $p < 0.10$, * $p < 0.05$, ** $p < 0.01$

Table D.7: Regression Table for Figure A.9 Right Panel

	DV: SQUIGGLY SPLIT GROUPS (1) vs. STRAIGHT SPLIT GROUPS (0)								
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Any river	0.14*								
	(0.06)								
Any lake		-0.06							
		(0.08)							
Major watershed			0.01					0.05	0.07
			(0.06)					(0.06)	(0.06)
Share of desert (0-1)				-0.59**				-0.44**	-0.50**
				(0.11)				(0.16)	(0.16)
Major (top 10) river					0.09			0.22*	0.22*
					(0.09)			(0.10)	(0.10)
Minor river					0.16*			0.16*	0.17*
					(0.06)			(0.08)	(0.08)
Major (top 10) lake						0.08		-0.00	0.00
						(0.09)		(0.11)	(0.11)
Minor lake						-0.16		-0.18 ⁺	-0.12
						(0.10)		(0.11)	(0.11)
PCS Murdock							0.08	0.15 ⁺	0.12
							(0.08)	(0.08)	(0.08)
Contested coastal areas								0.20 ⁺	0.25*
								(0.11)	(0.10)
Area of ethnic group								-0.06 ⁺	-0.09**
								(0.03)	(0.03)
Distance to the coast								0.00**	0.00**
								(0.00)	(0.00)
Historical natural resources density								0.44*	0.65**
								(0.20)	(0.21)
Slave exports								-0.00	-0.00
								(0.01)	(0.01)
Suitability for European settlement								0.14	0.09
								(0.18)	(0.18)
Agricultural intensity								-0.02	-0.03
								(0.03)	(0.03)
Population in 1850								0.00 ⁺	0.00*
								(0.00)	(0.00)
Ecological diversity								-0.18	-0.08
								(0.14)	(0.14)
Tsetse suitability index								-0.03	-0.02
								(0.05)	(0.06)
Constant	0.66**	0.76**	0.74**	0.81**	0.66**	0.76**	0.73**	0.60**	0.43*
	(0.05)	(0.03)	(0.04)	(0.03)	(0.05)	(0.03)	(0.03)	(0.17)	(0.17)
Ethnic groups	229	229	229	229	229	229	221	221	221
Adjusted R^2	0.02	-0.00	-0.00	0.12	0.02	0.01	-0.00	0.16	0.22
Region FE									✓
Lat & Lon								✓	✓

Notes: This regression table accompanies the right panel of Figure A.9. All models are estimated using OLS with robust standard errors in parentheses. ⁺ $p < 0.10$, * $p < 0.05$, ** $p < 0.01$