Appendix

– Not intended for publication –

Regional trade agreements in sample

Baltic Free Trade Area (BAFTA)
Estonia (1994)
Latvia (1994)
Lithuania (1994)

Central American Common Market (CACM)
Costa Rica (1962)
El Salvador (1961)
Guatemala (1961)
Honduras (1961)
Nicaragua (1961)

Caribbean Community and Common Market (CARICOM)
Antigua & Barbuda (1973)
Bahamas (1983)
Barbados (1973)
Belize (1973)
Dominica (1973)
Grenada (1973)
Guyana (1973)
Haiti (1997)
Jamaica (1973)
Montserrat (1973)
St.Kitts & Nevis (1973)
St.Lucia (1973)
St.Vincent & Grenadines (1973)
Suriname (1995)
Trinidad & Tobago (1973)

Central European Free Trade Agreement (CEFTA)
Bulgaria (1999)
Czech Republic (1993)
Hungary (1993)
Poland (1993)
Romania (1997)
Slovakia (1993)
Slovenia (1996)

Eurasian Economic Community (EAEC)
Belarus (1997)
Kazakhstan (1997)
Kyrgz Republic (1997)
Russia (1997)
Tajikistan (1997)

European Union (EEC/EC/EU)
Austria (1995)
Belgium (1958)
Denmark (1973)
Finland (1995)
France (1958)
Germany (1958)
Greece (1981)
Ireland (1973)
Italy (1958)

Luxembourg (1958)
Netherlands (1958)
Portugal (1986)
Spain (1986)
Sweden (1995)
U.K. (1973)

European Free Trade Association (EFTA)
Austria (1960-94)
Denmark (1960-72)
Finland (1961-94)
Iceland (1970)
Liechtenstein (1960)
Norway (1960)
Portugal (1960-85)
Sweden (1960-94)
Switzerland (1960)
U.K. (1960-72)

North American Free Trade Agreement (NAFTA)
Canada (1988)
Mexico (1994)
U.S.A. (1988)

Countries in sample

Albania	Ghana	Paraguay
Algeria	Greece	Peru
Angola	Grenada	Philippines
Antigua & Barbuda	Guatemala	Poland
Argentina	Guinea	Portugal
Armenia	Guinea-Bissau	Puerto Rico
Australia	Guyana	Qatar
Austria	Haiti	Romania
Azerbaijan	Honduras	Russia
Bahamas	Hong Kong	Rwanda
Bahrain	Hungary	Sao Tome & Principe
Bangladesh	Iceland	Saudi Arabia
Barbados	India	Senegal
Belarus	Indonesia	Seychelles
Belgium	Iran	Sierra Leone
Belize	Ireland	Singapore
Benin	Israel	Slovakia
Bermuda	Italy	Slovenia
Bhutan	Ivory Coast	South Africa
Bolivia	Jamaica	Spain
Botswana	Japan	Sri Lanka
Brazil	Jordan	St.Kitts & Nevis
Bulgaria	Kazakhstan	St.Lucia
Burkina Faso	Kenya	St.Vincent & Grenadines
Burundi	Korea, Republic	Sudan
Cambodia	Kuwait	Swaziland
Cameroon	Kyrgz Republic	Sweden
Canada	Laos	Switzerland
Cape Verde	Latvia	Syria
Central African Republic	Lebanon	Taiwan
Chad	Lesotho	Tajikistan
Chile	Lithuania	Tanzania
China	Luxembourg	Thailand
Colombia	Macao	Togo
Comoros	Macedonia	Trinidad & Tobago
Congo	Madagascar	Tunisia
Costa Rica	Malawi	Turkey
Croatia	Malaysia	Turkmenistan
Cuba	Mali	U.K.
Cyprus	Malta	U.S.A.
Czech Republic	Mauritania	Uganda
Denmark	Mauritius	Ukraine
Djibouti	Mexico	Uruguay
Dominica	Moldova	Uzbekistan
Dominican Republic	Mongolia	Venezuela
Ecuador	Morocco	Vietnam
Egypt	Mozambique	Yemen
El Salvador	Namibia	Zaire
Equatorial Guinea	Nepal	Zambia
Eritrea	Netherlands	Zimbabwe
Estonia	New Zealand	
Ethiopia	Nicaragua	
Fiji	Niger	
Finland	Nigeria	
France	Norway	
Gabon	Oman	
Gambia	Pakistan	
Georgia	Panama	
Germany	Papua New Guinea	

Table 1: Trade Policy and Membership in Trading Arrangements

	Bivariate		Augmented	
	GATT	**RTA**	**GATT**	**RTA**
Openness				
Import Penetration: overall, 1985	-2.4	11.2*	1.3	-3.8
	(0.5)	(2.5)	(0.3)	(0.5)
Import Penetration: manufacturing, 1985	-2.6	5.1*	-0.5	-3.7
	(0.8)	(2.1)	(0.2)	(0.9)
Import Penetration: agriculture, 1985	-0.6	0.7	-0.2	-1.9
	(0.8)	(0.9)	(0.2)	(1.5)
Import Penetration: resources, 1985	1.1	4.9**	2.0	1.7
	(0.7)	(2.7)	(1.5)	(0.6)
Import Penetration: overall, 1982	-5.9	7.2	2.2	-5.9
	(1.1)	(1.6)	(0.4)	(0.7)
Import Penetration: manufacturing, 1982	-3.9	3.5	-0.4	-5.3
	(1.3)	(1.4)	(0.1)	(1.2)
Import Penetration: agriculture, 1982	-1.1	1.1	-0.4	-1.3
	(1.4)	(1.4)	(0.5)	(1.0)
Import Penetration: resources, 1982	-0.9	2.3	2.9	0.5
	(0.4)	(1.4)	(1.5)	(0.2)
TARS Trade Penetration: overall, 1985	-1.5	23.2**	6.1	-1.6
	(0.2)	(2.9)	(0.9)	(0.1)
TARS Trade Penetration: manufacturing, 1985	1.9	14.9**	3.0	-2.4
	(0.4)	(3.3)	(0.6)	(0.3)
TARS Trade Penetration: agriculture, 1985	0.4	4.4#	1.1	3.1
	(0.2)	(1.8)	(0.7)	(1.4)
TARS Trade Penetration: resources, 1985	-3.7	3.3	1.8	-2.5
	(0.9)	(0.9)	(0.7)	(0.5)
TARS Trade Penetration: overall, 1982	-32.0	8.4	5.1	-3.8
	(1.2)	(0.7)	(0.6)	(0.3)
TARS Trade Penetration: manufacturing, 1982	-6.7	8.9*	2.1	-5.2
	(0.9)	(2.0)	(0.4)	(0.7)
TARS Trade Penetration: agriculture, 1982	-3.9	5.1#	0.02	4.5#
	(1.4)	(1.8)	(0.0)	(1.8)
TARS Trade Penetration: resources, 1982	-20.9	-5.8	2.5	-3.0
	(1.1)	(0.7)	(0.7)	(0.5)
Tariffs				
Tariffs on int. inputs and capital goods, 1980s	0.01	-0.1**	0.01	-0.02
	(0.1)	(4.7)	(0.4)	(0.4)
Trade Taxes/Trade, early 1980s	-0.02	-0.03**	-0.01	-0.02**
	(1.3)	(4.2)	(0.8)	(3.5)
Wght. Avg. Tot. Import Charges: overall, late 1980s	7.2	-9.2*	2.7	8.5
	(1.5)	(2.4)	(0.6)	(1.0)
Wght. Avg. Tot. Import Charges: manufacturing, late 1980s	7.7	-9.4*	3.0	9.7
	(1.5)	(2.4)	(0.6)	(1.0)
Wght. Avg. Tot. Import Charges: agriculture, late 1980s	6.1	-11.9**	1.4	6.6
	(1.2)	(2.7)	(0.3)	(0.8)
Wght. Avg. Tot. Import Charges: resources, late 1980s	6.0	-6.1	3.3	2.3
	(1.4)	(1.6)	(0.7)	(0.3)
Effective Rate of Protection, various	31.8	-73.2**	68.8*	-67.7*
	(1.3)	(3.8)	(2.2)	(2.3)
Std. Dev. of Effective Rate of Protection, various	29.2	-87.7**	75.0#	-79.6*
	(0.9)	(3.4)	(1.7)	(2.5)
Non-Tariff Barriers				
NTB frequency on int. inputs, K. goods, mid-late 1980s	0.01	-0.05	-0.03	0.04
	(0.2)	(1.1)	(0.5)	(0.4)
NTB Coverage: overall, 1987	10.0	-31.8**	0.9	-12.9
	(1.1)	(3.8)	(0.1)	(1.2)

Table 1 (continued)

	Bivariate		Augmented	
	GATT	**RTA**	**GATT**	**RTA**
NTB Coverage: manufacturing, 1987	8.9	-31.1**	0.4	-10.5
	(0.9)	(3.7)	(0.0)	(0.9)
NTB Coverage: agriculture, 1987	6.3	-23.0**	-4.8	-5.1
	(0.7)	(2.7)	(0.7)	(0.5)
NTB Coverage: resources, 1987	18.8#	-45.5**	9.7	-34.4*
	(1.8)	(4.8)	(0.9)	(2.5)
Informal Measures				
Trade Orientation 1963-73	0.5	-0.5	0.4	-0.1
	(1.5)	(1.6)	(1.2)	(0.3)
Trade Orientation 1973-85	0.0	0.0	-0.1	0.3
	(0.0)	(0.0)	(0.4)	(1.3)
Trade Orientation Ranking 1975	3.6	-6.0	3.0	3.3
	(0.5)	(1.2)	(0.5)	(0.7)
Trade Orientation Ranking 1985	2.5	-2.7	-2.5	3.7
	(0.3)	(0.5)	(0.4)	(0.6)
Heritage Foundation Index	-0.7**	-1.2**	-0.3	-0.2
	(3.2)	(4.3)	(1.2)	(0.9)
Composite Measures				
Sachs-Warner 1970s	0.02	0.4**	-0.2	-0.02
	(0.1)	(2.9)	(1.2)	(0.1)
Sachs-Warner 1980s	0.06	0.4**	-0.1	-0.03
	(0.4)	(2.8)	(0.9)	(0.2)
Measures based on Residuals				
Leamer's Measure, 1982	0.7**	0.03	0.2	-0.08
	(2.7)	(0.2)	(1.0)	(0.4)
Leamer's openness: overall, 1982	-0.02	0.07	0.01	0.0
	(0.2)	(1.6)	(0.1)	(0.0)
Leamer's openness: manufacturing, 1982	-0.02	0.03	-0.02	-0.02
	(0.3)	(1.3)	(0.3)	(0.4)
Leamer's openness: agriculture, 1982	-0.01	0.03*	-0.01	0.03
	(0.8)	(2.1)	(0.3)	(1.3)
Leamer's openness: resources, 1982	0.02	0.01	0.04	-0.01
	(1.6)	(0.6)	(1.5)	(0.3)
Leamer's intervention measure: overall, 1982	-0.08	0.02	-0.01	-0.05
	(1.0)	(0.5)	(0.1)	(0.9)
Leamer's intervention measure: manufacturing, 1982	-0.04	0.02	-0.03	-0.03
	(0.8)	(1.1)	(0.6)	(1.1)
Leamer's intervention measure: agriculture, 1982	-0.03	0.0	0.0	-0.01
	(1.0)	(0.3)	(0.2)	(0.4)
Leamer's intervention measure: resources, 1982	-0.01	0.01	0.01	-0.02
	(0.5)	(0.3)	(0.5)	(0.6)
Leamer's measure: overall, 1982	-0.1	0.5**	-0.3	0.08
	(0.3)	(2.8)	(0.9)	(0.3)
Leamer's measure: manufacturing, 1982	-0.2	0.7*	-0.6	-0.03
	(0.3)	(2.1)	(0.9)	(0.1)
Leamer's measure: agriculture, 1982	-0.07	0.5	-0.2	-0.02
	(0.2)	(1.6)	(0.7)	(0.1)
Leamer's measure: resources, 1982	-0.01	0.3	-0.04	0.01
	(0.1)	(1.5)	(0.2)	(0.1)
Price-Based Measures				
Distortion Index, 1990	-2.8	-18.4**	8.1	-13.6
	(0.3)	(2.9)	(0.8)	(1.5)
Variability Index, 1990	-0.03	0.03	-0.02	0.1**
	(1.4)	(1.2)	(0.6)	(3.4)

Notes: OLS estimation. The main explanatory variable is either a dummy for membership in GATT/WTO or a dummy for membership in a RTA. Augmenting regressors are the log of population, the log of real GDP per capita and remoteness. Absolute t-statistics (robust to clustering by countries) in parentheses. **, * and # denote significant at the 1, 5 and 10 percent level, respectively.

Table 2: Trade Policy and Membership in Trading Arrangements (Panel Measures)

	Bivariate specification								Augmented specification							
			Year effects		Country effects		Year and country effects				Year effects		Country effects		Year and country effects	
	GATT	RTA	GATT	RTA	GATT	RTA	GATT	RTA	GATT	RTA	GATT	RTA	GATT	RTA	GATT	RTA
(Exports+Imports)/GDP, 1950-1998	0.6	23.8**	-5.0	18.7*	17.0**	14.9**	5.3	3.1	2.3	-2.4	-0.1	-2.2	4.7	3.4	5.3#	1.8
	(0.1)	(3.4)	(1.1)	(2.5)	(5.3)	(4.1)	(1.5)	(0.8)	(0.6)	(0.3)	(0.0)	(0.3)	(1.6)	(0.8)	(1.7)	(0.5)
Import Duties as % imports, 1970-1998	-7.8	-10.3**	-7.5	-9.8**	-0.3	-0.07	2.1	3.0	-0.2	-5.9**	-0.2	-5.9**	1.3	-1.5	1.8#	-0.7
	(1.6)	(4.6)	(1.6)	(4.6)	(0.4)	(0.0)	(1.7)	(0.9)	(0.1)	(4.1)	(0.2)	(4.0)	(1.3)	(1.1)	(1.8)	(0.4)
Index Economic Freedom, 1995-98	-0.5**	-0.6**	-0.5**	-0.6**	-0.07	-0.06	-0.01	0.01	-0.4**	-0.2	-0.4**	-0.2	-0.01	0.0	0.0	0.01
	(3.9)	(5.7)	(3.9)	(5.7)	(1.1)	(0.4)	(0.2)	(0.0)	(3.6)	(1.7)	(3.5)	(1.7)	(0.2)	(0.0)	(0.0)	(0.1)
Trade Policy Measure from IEF, 1995-98	-0.5*	-1.0**	-0.5*	-1.0**	-0.9	0.0	-0.7	0.2	-0.3	-0.3	-0.2	-0.3	-0.2	0.1	-0.06	0.2
	(2.3)	(5.0)	(2.3)	(5.0)	(1.4)	(0.0)	(1.1)	(0.7)	(1.3)	(1.3)	(1.3)	(1.3)	(0.9)	(0.4)	(0.2)	(0.5)
Index from FX and commercial policy, 1961-84	0.0	0.03**	-0.01	0.03**	0.02#	0.06**	0.0	0.03**	-0.01	0.02#	-0.01	0.02*	0.0	0.05**	0.0	0.03
	(0.3)	(3.6)	(1.5)	(3.7)	(1.8)	(9.5)	(0.0)	(2.9)	(0.5)	(2.1)	(1.2)	(2.2)	(0.2)	(8.7)	(0.1)	(1.4)
Index from Tariffs and NTBs, 1978-88	0.2	0.06	0.08	0.1	0.9**	na	0.5#	na	0.6*	-0.4	0.5	-0.4	0.4*	na	0.4*	na
	(1.3)	(0.4)	(0.4)	(0.7)	(3.5)		(1.8)		(2.2)	(1.0)	(1.6)	(1.1)	(2.0)		(2.0)	
Indirect counter-agricultural bias, 1961-86	0.0	0.002**	0.0	0.002**	0.0	na	0.0	na	0.0	0.002**	0.0	0.002**	0.0	na	0.0	na
	(0.9)	(9.2)	(0.6)	(8.7)	(0.3)		(0.6)		(1.6)	(4.5)	(1.3)	(3.1)	(0.4)		(0.4)	
Gravity-Residuals, basic model, 1960-92	-2.9	-9.9**	-3.7#	-10.1**	1.5	3.3*	-1.8#	0.4	-1.3	-4.6*	-1.7	-3.5#	-1.8#	1.2	-1.8#	0.3
	(1.4)	(4.8)	(1.7)	(4.9)	(1.6)	(2.2)	(1.8)	(0.2)	(0.9)	(2.1)	(1.1)	(1.8)	(1.9)	(0.8)	(1.9)	(0.2)
Gravity-Residuals, augmented model, 1960-92	-2.3	-9.7**	-3.3	-10.0**	2.6**	4.2**	-1.5#	0.4	-0.8	-5.0*	-1.3	-3.6*	-1.6#	1.3	-1.6#	0.5
	(1.2)	(5.1)	(1.6)	(5.3)	(2.9)	(2.6)	(1.7)	(0.3)	(0.6)	(2.4)	(1.0)	(2.0)	(1.7)	(0.9)	(1.7)	(0.3)
Movement to International Prices, 1961-87	0.01	-0.01	0.02	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	-0.01	0.01	0.01
	(0.6)	(0.8)	(1.3)	(0.9)	(0.5)	(0.2)	(0.4)	(0.2)	(1.2)	(0.9)	(1.4)	(1.2)	(0.7)	(0.3)	(0.5)	(0.2)
Modified Price Distortion Index, 1961-87	-0.04	-0.02	-0.05	-0.03	-0.01	0.08**	-0.01	0.06*	-0.03	-0.07#	-0.02	-0.07#	-0.02	0.06#	-0.01	0.01
	(1.2)	(0.7)	(1.2)	(0.8)	(0.2)	(4.1)	(0.3)	(2.2)	(0.9)	(1.8)	(0.5)	(1.8)	(0.7)	(1.7)	(0.3)	(0.1)
Black Market Premium, 1961-89	0.01	0.08	0.01	0.08	-0.2	0.08**	-0.3#	0.04	0.03	0.2	0.02	0.2	-0.2#	0.1#	-0.1	0.2#
	(0.2)	(0.6)	(0.2)	(0.6)	(1.4)	(4.0)	(1.8)	(0.6)	(0.4)	(1.6)	(0.3)	(1.6)	(1.7)	(1.9)	(1.5)	(1.7)

Notes: OLS estimation. The main explanatory variable is either a dummy for membership in GATT/WTO or a dummy for membership in a RTA. Augmenting regressors are the log of population, the log of real GDP per capita and remoteness. Coefficients not identified due to perfect multicollinearity with the country dummies are marked "na". Absolute t-statistics (robust to clustering by countries) in parentheses. **, * and # denote significant at the 1, 5 and 10 percent level, respectively.

Table 3: Is the European Union Different?

	Basic			Augmented		
	EC	RTA w/o EC	p-val.	EC	RTA w/o EC	p-val.
Openness						
Import Penetration: overall, 1985	11.8# (1.7)	11.0* (2.1)	0.92	9.4 (1.2)	-7.9 (1.0)	0.01
Import Penetration: manufacturing, 1985	6.1 (1.4)	4.7# (1.9)	0.76	4.1 (0.8)	-6.2 (1.5)	0.02
Import Penetration: agriculture, 1985	1.2 (1.1)	0.5 (0.5)	0.58	0.5 (0.4)	-2.6# (1.9)	0.02
Import Penetration: resources, 1985	4.0** (2.7)	5.4* (2.1)	0.64	4.2 (1.6)	0.9 (0.3)	0.15
Import Penetration: overall, 1982	3.6 (0.6)	9.1# (1.7)	0.42	2.2 (0.3)	-8.5 (0.9)	0.08
Import Penetration: manufacturing, 1982	0.8 (0.2)	5.0 (1.7)	0.32	-1.4 (0.3)	-6.6 (1.4)	0.15
Import Penetration: agriculture, 1982	0.7 (0.8)	1.4 (1.3)	0.54	0.1 (0.1)	-1.7 (1.3)	0.12
Import Penetration: resources, 1982	1.7 (1.0)	2.7 (1.3)	0.67	2.8 (1.0)	-0.2 (0.0)	0.17
TARS Trade Penetration: overall, 1985	27.6* (2.1)	21.0* (2.4)	0.66	24.2 (1.6)	-9.6 (0.7)	0.02
TARS Trade Penetration: manufacturing, 1985	24.6** (2.9)	10.0* (2.5)	0.09	14.1 (1.4)	-7.5 (1.0)	0.03
TARS Trade Penetration: agriculture, 1985	1.9 (0.7)	5.6# (1.8)	0.36	9.5** (3.6)	1.1 (0.5)	0.00
TARS Trade Penetration: resources, 1985	0.3 (0.0)	5.0 (1.0)	0.36	-1.4 (0.3)	-2.8 (0.5)	0.73
TARS Trade Penetration: overall, 1982	4.7 (0.3)	10.4 (0.8)	0.63	11.9 (0.9)	-8.6 (0.6)	0.07
TARS Trade Penetration: manufacturing, 1982	12.3# (1.8)	7.2 (1.6)	0.43	4.2 (0.5)	-8.1 (1.1)	0.07
TARS Trade Penetration: agriculture, 1982	0.3 (0.1)	7.7# (2.0)	0.09	8.8** (3.5)	3.2 (1.2)	0.03
TARS Trade Penetration: resources, 1982	-8.4 (1.1)	-4.4 (0.5)	0.38	-2.6 (0.4)	-3.1 (0.4)	0.91
Tariffs						
Tariffs on int. inputs and capital goods, 1980s	-0.2** (8.1)	-0.09** (3.0)	0.00	-0.08* (2.1)	0.0 (0.0)	0.06
Trade Taxes/Trade, early 1980s	-0.03** (4.6)	-0.02** (3.0)	0.09	-0.02* (2.3)	-0.02** (3.3)	0.36
Effective Rate of Protection, various	-83.3** (4.4)	-64.6** (3.2)	0.01	-65.1* (2.2)	-68.9* (2.0)	0.89
Std. Dev. of Effective Rate of Protection, various	-100.5** (4.0)	-76.8** (2.9)	0.01	-65.6# (1.9)	-86.3* (2.2)	0.64
Non-Tariff Barriers						
NTB frequency on int. inputs, K. goods, mid-late 1980s	-0.1** (3.2)	-0.02 (0.4)	0.20	-0.1 (1.1)	0.1 (0.9)	0.03
Informal Measures						
Trade Orientation Ranking 1975	-3.7 (0.5)	-7.6 (1.4)	0.63	-6.0 (1.0)	7.3 (1.3)	0.04
Trade Orientation Ranking 1985	-1.4 (0.2)	-3.7 (0.6)	0.76	-3.2 (0.4)	7.0 (1.1)	0.24

Table 3 (continued)

	Basic			Augmented		
	EC	RTA w/o EC	p-val.	EC	RTA w/o EC	p-val.
Heritage Foundation Index	-2.0** (14.7)	-0.5 (1.3)	0.00	-1.0** (3.1)	0.08 (0.3)	0.00
Composite Measures						
Sachs-Warner 1970s	0.7** (6.6)	0.2 (1.0)	0.01	0.3 (1.2)	-0.1 (0.6)	0.13
Sachs-Warner 1980s	0.7** (6.6)	0.1 (0.8)	0.00	0.3 (1.3)	-0.1 (0.7)	0.09
Measures based on Residuals						
Leamer's Measure, 1982	0.4** (3.9)	-0.3 (0.9)	0.02	0.04 (0.2)	-0.1 (0.6)	0.38
Leamer's openness: overall, 1982	0.1* (2.1)	0.04 (0.7)	0.20	0.09 (1.2)	-0.03 (0.5)	0.02
Leamer's openness: manufacturing, 1982	0.05# (1.9)	0.02 (0.5)	0.27	0.01 (0.3)	-0.03 (0.7)	0.16
Leamer's openness: agriculture, 1982	0.04# (2.0)	0.02 (1.4)	0.49	0.06* (2.2)	0.02 (0.8)	0.06
Leamer's openness: resources, 1982	0.02 (1.3)	0.0 (0.0)	0.37	0.02 (0.7)	-0.02 (0.6)	0.15
Leamer's intervention measure: overall, 1982	-0.01 (0.3)	0.05 (1.0)	0.25	-0.05 (0.7)	-0.05 (0.8)	0.97
Leamer's intervention measure: manufacturing, 1982	0.01 (0.7)	0.03 (1.3)	0.57	-0.03 (0.9)	-0.03 (1.0)	0.96
Leamer's intervention measure: agriculture, 1982	-0.02 (1.1)	0.01 (0.5)	0.23	-0.01 (0.2)	-0.01 (0.4)	0.84
Leamer's intervention measure: resources, 1982	-0.01 (0.4)	0.02 (0.6)	0.39	-0.02 (0.7)	-0.02 (0.5)	0.87
Leamer's measure: overall, 1982	0.8** (4.2)	0.2 (1.1)	0.01	0.4 (1.5)	-0.08 (0.3)	0.04
Leamer's measure: manufacturing, 1982	1.1** (2.8)	0.4 (0.9)	0.19	0.3 (0.4)	-0.2 (0.3)	0.49
Leamer's measure: agriculture, 1982	0.6# (1.7)	0.3 (0.8)	0.62	0.1 (0.2)	-0.09 (0.3)	0.74
Leamer's measure: resources, 1982	0.4 (1.5)	0.1 (0.6)	0.37	0.2 (0.5)	-0.06 (0.3)	0.49
Price-Based Measures						
Distortion Index, 1990	-26.2** (4.2)	-12.5# (1.7)	0.01	-25.8* (2.1)	-8.8 (0.9)	0.09
Variability Index, 1990	-0.03 (1.6)	0.07 (1.4)	0.01	0.06# (1.9)	0.1** (3.7)	0.06

Notes: OLS estimation. The main explanatory variables are a dummy for membership in the EEC/EC/EU and a dummy for membership in one of the remaining RTAs; both variables enter the regression jointly. The p-value gives the probability that the estimated coefficients are identical. Augmenting regressors are the log of population, the log of real GDP per capita and remoteness. Absolute t-statistics (robust to clustering by countries) in parentheses. **, * and # denote significant at the 1, 5 and 10 percent level, respectively. Some trade policy measures were dropped due to missing data for EEC/EC/EU members.

Table 4: Is the European Union Different? (Panel Measures)

Basic specification

	EC	RTA w/o EC	p-val.	EC	RTA w/o EC	p-val.	EC	RTA w/o EC	p-val.	EC	RTA w/o EC	p-val.
					Year effects			Country effects			Year and country effects	
(Exports+Imports)/GDP	22.4 (1.5)	24.3** (3.4)	0.90	17.5 (1.1)	19.3* (2.8)	0.91	22.7** (6.5)	11.6** (2.7)	0.01	6.7 (1.6)	1.7 (0.4)	0.31
Import Duties as % imports	-14.3** (7.0)	-7.7** (3.3)	0.00	-13.9** (7.5)	-7.2** (3.1)	0.00	-4.0# (1.8)	1.2 (0.4)	0.00	0.1 (0.0)	3.7 (1.3)	0.19
Index Economic Freedom	-1.0** (9.5)	-0.4** (3.2)	0.00	-1.0** (9.5)	-0.4** (3.2)	0.00	na	na	na	na	na	na
Trade Policy Measure (IEF)	-1.8** (15.6)	-0.5** (2.3)	0.00	-1.8** (15.6)	-0.5** (2.2)	0.00	na	na	na	na	na	na
Index from FX & commercial policy	0.08** (12.6)	0.02** (3.8)	0.00	0.06** (5.4)	0.02** (3.5)	0.00	na	na	na	na	na	na
Gravity-Residuals, basic m.	-15.9** (5.7)	-6.1** (3.6)	0.00	-16.5** (6.3)	-6.1** (3.6)	0.00	3.7# (1.9)	2.7 (1.1)	0.74	-0.01 (0.0)	1.0 (0.4)	0.74
Gravity-Residuals, augm. m.	-15.4** (6.3)	-6.1** (3.8)	0.00	-16.2** (7.3)	-6.2** (4.1)	0.00	4.7* (2.3)	3.6 (1.3)	0.71	-0.1 (0.1)	1.2 (0.5)	0.64
Movement to Int'l Prices	0.09** (15.1)	-0.01 (1.1)	0.00	0.09* (2.5)	-0.01 (1.3)	0.00	0.2** ()	-0.04** (2.8)	0.00	0.1** (3.4)	-0.02 (1.0)	0.00
Black Market Premium	-0.2** (4.4)	0.1 (0.8)	0.04	-0.3** (3.9)	0.1 (0.8)	0.04	0.08** (3.7)	0.09* (2.6)	0.82	0.04 (0.4)	0.05 (1.0)	0.89

Augmented specification

	EC	RTA w/o EC	p-val.	EC	RTA w/o EC	p-val.	EC	RTA w/o EC	p-val.	EC	RTA w/o EC	p-val.
					Year effects			Country effects			Year and country effects	
(Exports+Imports)/GDP	4.7 (0.5)	-4.7 (0.6)	0.34	12.0 (1.2)	-6.8 (0.9)	0.06	7.0# (1.7)	2.1 (0.4)	0.32	4.6 (1.1)	1.2 (0.3)	0.53
Import Duties as % imports	-7.4** (5.6)	-5.2** (3.2)	0.05	-7.8** (5.4)	-5.1** (3.1)	0.04	-3.9** (2.7)	-0.7 (0.9)	0.01	-3.2# (1.7)	0.02 (0.0)	0.04
Index Economic Freedom	-0.4** (3.4)	-0.07 (0.8)	0.00	-0.5** (3.5)	-0.07 (0.8)	0.00	na	na	na	na	na	na
Trade Policy Measure (IEF)	-0.7** (2.8)	-0.1 (0.6)	0.02	-0.7** (2.9)	-0.1 (0.6)	0.02	na	na	na	na	na	na
Index from FX & commercial policy	0.07** (6.2)	0.02# (1.8)	0.00	0.05** (3.8)	0.02# (1.9)	0.00	na	na	na	na	na	na
Gravity-Residuals, basic m.	-15.2** (3.9)	-0.6 (0.4)	0.00	-13.7** (3.6)	-0.06 (0.0)	0.00	1.3 (0.8)	1.1 (0.5)	0.93	-0.5 (0.3)	1.2 (0.5)	0.50
Gravity-Residuals, augm. m.	-15.2** (4.3)	-1.2 (0.7)	0.00	-12.9** (3.9)	-0.4 (0.3)	0.00	1.3 (0.8)	1.3 (0.6)	0.98	-0.4 (0.2)	1.4 (0.7)	0.45
Movement to Int'l Prices	0.1** (6.3)	0.01 (0.6)	0.00	0.1** (2.7)	0.01 (1.0)	0.01	0.2** (38.8)	-0.05# (1.9)	0.00	0.1** (3.4)	-0.02 (0.7)	0.00
Black Market Premium	-0.03 (0.3)	0.3 (1.6)	0.14	-0.1 (1.0)	0.3 (1.6)	0.07	0.2** (2.7)	-0.03 (0.6)	0.02	0.4** (2.7)	-0.08 (0.9)	0.01

Notes: OLS estimation. The main explanatory variables are a dummy for membership in the EEC/EC/EU and a dummy for membership in one of the remaining RTAs; both variables enter the regression jointly. The p-value gives the probability that the estimated coefficients are identical. Augmenting regressors are the log of population, the log of real GDP per capita and remoteness. Coefficients not identified due to perfect multicollinearity with the country dummies are marked "na". Absolute t-statistics (robust to clustering by countries) in parentheses. **, * and # denote significant at the 1, 5 and 10 percent level, respectively. Some trade policy measures were dropped due to missing data for EEC/EC/EU members.