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Adoptive Parents, Adaptive Parents: Evaluating the Importance of Biological Ties for Parental Investment

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Appendix. Coefficients from General Linear Regression of Parental Investment on Family Type

Independent Variable	Number of Child's Books ^a				Child Has a Home Computer ^b				Private School ^b			
	Without Controls		With Controls		Without Controls		With Controls		Without Controls		With Controls	
	B	SE	B	SE	B	SE	B	SE	B	SE	B	SE
Biological families	-24.61	(13.16)†	-11.33	(13.19)	-.80	(.25)**	-.45	(.27)†	-.27	(.20)	.11	(.22)
Biological mother, other father	-47.97	(13.66)**	-17.05	(13.89)	-1.68	(.27)**	-.90	(.29)**	-1.09	(.23)**	-.23	(.25)
Biological father, other mother	-62.64	(15.98)**	-33.61	(16.03)*	-1.44	(.35)**	-.85	(.37)*	-1.81	(.51)**	-1.11	(.53)*
Biological mother only	-71.69	(13.10)**	-18.13	(13.31)	-2.12	(.26)**	-.83	(.27)**	-1.13	(.21)**	-.10	(.23)
Biological father only	-59.49	(15.56)**	-27.72	(15.72)†	-1.49	(.29)**	-.64	(.30)*	-.76	(.29)**	-.08	(.31)
Related guardians	-81.93	(14.03)**	-32.09	(14.46)*	-2.35	(.28)**	-1.28	(.30)**	-1.56	(.33)**	-1.03	(.36)**
Unrelated guardian	-45.35	(21.79)*	-4.80	(21.59)	-1.55	(.34)**	-.75	(.36)*	-1.04	(.38)**	-.46	(.37)
Inconsistent family type in 98–99	-54.57	(16.60)**	-10.70	(17.22)	-2.08	(.27)**	-1.11	(.29)**	-1.18	(.25)**	-.32	(.26)
Annual family income			1.82	(.41)**			.19	(.01)**			.04	(.01)**
Highest parental education			6.40	(.54)**			.20	(.01)**			.15	(.01)**
Mother's age			.78	(.20)**			.02	(.00)**			.03	(.00)**
African American mother			-37.90	(6.49)**			-.34	(.17)*			.18	(.24)
Hispanic mother			-37.43	(5.95)**			-.44	(.12)**			-.08	(.16)
Other-race mother			-28.39	(9.70)**			-.29	(.14)*			-.11	(.17)
Mother race missing			-43.97	(8.69)**			-.11	(.26)			-.14	(.32)
Female child			6.87	(2.48)†			.06	(.04)			.10	(.05)*
African American child			-25.10	(6.59)**			-.30	(.17)†			-.57	(.26)*
Hispanic child			-19.51	(5.93)**			-.27	(.11)*			-.07	(.16)
Other-race child			-20.31	(8.14)*			-.17	(.13)			-.39	(.16)*
Child with disabilities			1.10	(4.59)			-.12	(.06)*			-.13	(.08)
Sibship size			1.86	(1.41)†			-.04	(.02)†			-.13	(.04)**
Constant	141.31		3.98		1.98		-2.36		-0.92		-4.58	
R ²	.02		.09		—		—		—		—	
Pseudo R ²	—		—		.06		.22		.02		.10	
N	13,310		13,310		13,369		13,369		13,899		13,899	

Note: ^aLinear regression; ^bBinary logit; ^cOrdinal logit; ^dPoisson regression. Data source: ECLS-K Longitudinal Kindergarten-First Grade, 1998–2000.

† $p < .10$; * $p < .05$; ** $p < .01$ (two-tailed).

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Independent Variable	Reading-Related Activities ^a				Math-Related Activities ^c				Other Cultural Activities ^d			
	Without Controls		With Controls		Without Controls		With Controls		Without Controls		With Controls	
	B	SE	B	SE	B	SE	B	SE	B	SE	B	SE
Biological families	-.11	(.07)	-.09	(.07)	-.20	(.15)	-.19	(.15)	-.12	(.07)	-.14	(.08)†
Biological mother, other father	-.18	(.08)*	-.14	(.08)†	-.10	(.16)	-.15	(.17)	-.12	(.08)	-.17	(.08)*
Biological father, other mother	-.39	(.14)**	-.34	(.14)*	-.28	(.26)	-.35	(.27)	-.18	(.15)	-.27	(.15)†
Biological mother only	-.20	(.08)**	-.11	(.08)	-.07	(.16)	-.16	(.16)	-.12	(.08)	-.14	(.08)†
Biological father only	-.31	(.10)**	-.27	(.11)*	-.43	(.20)*	-.42	(.21)*	-.05	(.11)	-.06	(.11)
Related guardians	-.35	(.10)**	-.17	(.10)†	-.12	(.20)	-.01	(.21)	-.15	(.10)	-.02	(.10)
Unrelated guardian	-.11	(.14)	.00	(.14)	.12	(.27)	.11	(.28)	-.16	(.13)	-.13	(.13)
Inconsistent family type in 98–99	-.23	(.08)**	-.16	(.09)†	-.14	(.17)	-.22	(.18)	-.09	(.08)	-.12	(.09)
Annual family income			.00	(.00)			.00	(.00)			.00	(.00)
Highest parental education			.04	(.00)**			.04	(.01)**			.02	(.00)**
Mother's age			.00	(.00)*			-.01	(.00)**			-.01	(.00)**
African American mother			-.10	(.08)			.04	(.17)			.04	(.08)
Hispanic mother			-.04	(.05)			-.05	(.11)			-.18	(.05)**
Other-race mother			-.06	(.06)			-.07	(.11)			-.07	(.06)
Mother race missing			-.20	(.11)†			.01	(.21)			.07	(.11)
Female child			.05	(.01)**			.20	(.03)**			-.06	(.01)**
African American child			-.03	(.08)			.33	(.17)†			-.04	(.08)
Hispanic child			-.01	(.05)			-.07	(.10)			-.05	(.05)
Other-race child			.02	(.05)			.11	(.10)			-.03	(.05)
Child with disabilities			.03	(.02)			-.03	(.05)			.01	(.02)
Sibship size			-.05	(.01)**			-.07	(.02)**			-.01	(.01)
Constant	.15		-.13		—		—		.12		.19	
τ_1					-.458		-.457					
τ_2					-.219		-.217					
τ_3					-.21		-.17					
R ²	.00		.02		—		—		.00		.01	
Pseudo R ²	—		—		.00		.01		—		—	
N	13,375		13,375		13,373		13,373		13,375		13,375	

Note: ^aLinear regression; ^bBinary logit; ^cOrdinal logit; ^dPoisson regression. Data source: ECLS-K Longitudinal Kindergarten-First Grade, 1998–2000.

† $p < .10$; * $p < .05$; ** $p < .01$ (two-tailed).

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Independent Variable	Number of Extracurricular Activities ^d				Assistance with Schoolwork ^c				Talk with Child ^a			
	Without Controls		With Controls		Without Controls		With Controls		Without Controls		With Controls	
	B	SE	B	SE	B	SE	B	SE	B	SE	B	SE
Biological families	-.23	(.05)**	-.07	(.05)	-.08	(.13)	-.08	(.13)	-.05	(.10)	-.06	(.10)
Biological mother, other father	-.58	(.06)**	-.24	(.06)**	-.13	(.14)	-.24	(.15)	-.08	(.11)	-.10	(.11)
Biological father, other mother	-.54	(.11)**	-.26	(.10)*	-.21	(.25)	-.30	(.26)	.01	(.14)	-.05	(.15)
Biological mother only	-.58	(.06)**	-.13	(.05)*	.02	(.13)	-.23	(.14)	.01	(.09)	-.06	(.09)
Biological father only	-.70	(.10)**	-.37	(.09)**	-.21	(.19)	-.35	(.19)†	.04	(.13)	.02	(.13)
Related guardians	-.62	(.10)**	-.20	(.10)*	.08	(.17)	-.16	(.18)	.11	(.15)	.02	(.15)
Unrelated guardian	-.49	(.13)**	-.14	(.12)	.06	(.24)	-.14	(.24)	-.02	(.13)	-.10	(.13)
Inconsistent family type in 98–99	-.58	(.07)**	-.20	(.07)**	-.10	(.15)	-.28	(.16)†	.10	(.10)	-.17	(.10)
Annual family income			.02	(.00)**			.00	(.01)			.00	(.00)
Highest parental education			.08	(.00)**			-.02	(.01)†			-.01	(.00)**
Mother's age			.00	(.00)**			-.01	(.00)			.00	(.00)
African American mother			-.08	(.08)			.24	(.14)†			-.03	(.06)
Hispanic mother			-.28	(.05)**			.22	(.10)*			.07	(.03)*
Other-race mother			-.08	(.05)			.06	(.11)			.12	(.07)†
Mother race missing			-.13	(.10)			.17	(.20)			.31	(.22)
Female child			.31	(.01)**			-.01	(.03)			.02	(.02)
African American child			-.09	(.08)			.27	(.14)†			.15	(.06)*
Hispanic child			-.12	(.04)**			.16	(.09)†			-.01	(.03)
Other-race child			-.16	(.04)**			.10	(.10)			.11	(.07)†
Child with disabilities			-.03	(.02)			.03	(.05)			.06	(.04)
Sibship size			-.05	(.00)**			-.10	(.02)**			.02	(.01)*
Constant		.74		-.82		—		—		.03		.14
τ ₁						–3.79		–4.44				
τ ₂						–2.10		–2.75				
τ ₃						–.74		–1.37				
τ ₄						.83		.22				
R ²		—		—		—		—		.00		.01
Pseudo R ²		—		—		.00		.01		—		—
N		13,360		13,360		12,950		12,950		13,340		13,340

Note: ^aLinear regression; ^bBinary logit; ^cOrdinal logit; ^dPoisson regression. Data source: ECLS-K Longitudinal Kindergarten-First Grade, 1998–2000.

† $p < .10$; * $p < .05$; ** $p < .01$ (two-tailed).

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Independent Variable	Number of Meals with Child ^a				Number of Parents Talk with Regularly ^a				Parental School Involvement ^a			
	Without Controls		With Controls		Without Controls		With Controls		Without Controls		With Controls	
	B	SE	B	SE	B	SE	B	SE	B	SE	B	SE
Biological families	-.49	(.27)†	-.51	(.26)†	.31	(.25)	.66	(.25)**	-.15	(.07)*	.00	(.07)
Biological mother, other father	-1.09	(.29)**	-.84	(.29)**	-.99	(.26)**	-.09	(.27)	-.54	(.08)**	-.20	(.08)**
Biological father, other mother	-.47	(.45)	-.25	(.45)	-.74	(.39)†	.06	(.40)	-.41	(.13)**	-.10	(.12)
Biological mother only	-1.37	(.28)**	-.62	(.28)*	-.91	(.26)**	.34	(.27)	-.69	(.07)**	-.20	(.07)**
Biological father only	-.60	(.35)†	-.06	(.34)	-.57	(.35)	.22	(.35)	-.67	(.11)**	-.36	(.10)**
Related guardians	-1.04	(.35)**	.17	(.35)	-1.12	(.29)**	-.25	(.30)	-.80	(.10)**	-.38	(.10)**
Unrelated guardian	-.68	(.44)	.02	(.42)	-1.19	(.37)**	-.33	(.36)	-.54	(.14)**	-.19	(.13)
Inconsistent family type in 98–99	-1.21	(.29)**	-.71	(.30)*	-.96	(.27)**	.08	(.28)	-.69	(.08)**	-.27	(.08)**
Annual family income			.00	(.01)			.10	(.01)**			.03	(.00)**
Highest parental education			.14	(.01)**			.10	(.02)**			.07	(.00)**
Mother's age			.00	(.01)			.03	(.01)**			.01	(.00)**
African American mother			-1.04	(.27)**			-.40	(.22)†			-.01	(.08)
Hispanic mother			-.29	(.18)†			.20	(.17)			-.15	(.05)**
Other-race mother			-.29	(.18)			-.28	(.21)			-.25	(.05)**
Mother race missing			-.60	(.36)†			-.18	(.28)			-.27	(.12)*
Female child			-.06	(.05)			.23	(.06)**			.05	(.02)**
African American child			-.36	(.27)			-.42	(.23)†			-.27	(.08)**
Hispanic child			-.18	(.16)			-.03	(.16)			-.04	(.05)
Other-race child			-.22	(.17)			-.29	(.20)			-.20	(.05)**
Child with disabilities			-.05	(.08)			-.33	(.08)**			-.05	(.02)†
Sibship size			.36	(.03)**			-.06	(.03)*			-.05	(.01)**
Constant		10.88		8.17		2.80		-.52		.33		-1.07
R ²		.01		.06		.03		.08		.06		.20
Pseudo R ²		—		—		—		—		—		—
N		13,352		13,352		13,363		13,363		13,378		13,378

Note: ^aLinear regression; ^bBinary logit; ^cOrdinal logit; ^dPoisson regression. Data source: ECLS-K Longitudinal Kindergarten-First Grade, 1998–2000.

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Independent Variable	Religious Involvement ^c			
	Without Controls		With Controls	
	B	SE	B	SE
Biological families	-.43	(.13)**	-.30	(.14)*
Biological mother, other father	-1.03	(.15)**	-.76	(.16)**
Biological father, other mother	-1.05	(.27)**	-.69	(.28)*
Biological mother only	-.79	(.14)**	-.69	(.15)**
Biological father only	-.88	(.19)**	-.63	(.20)**
Related guardians	.05	(.19)	-.18	(.20)
Unrelated guardian	-.18	(.25)	-.41	(.24)†
Inconsistent family type in 98–99	-1.06	(.15)**	-.88	(.16)**
Annual family income			-.02	(.01)**
Highest parental education			.09	(.01)**
Mother's age			.02	(.00)**
African American mother			.65	(.16)**
Hispanic mother			.37	(.10)**
Other-race mother			.09	(.12)
Mother race missing			-.61	(.23)**
Female child			.08	(.03)*
African American child			.09	(.16)
Hispanic child			.00	(.09)
Other-race child			-.26	(.11)*
Child with disabilities			-.13	(.04)**
Sibship size			.12	(.02)**
Constant		—		—
τ ₁		-1.95		.47
τ ₂		-.91		1.54
τ ₃		-.12		2.36
τ ₄		1.59		4.10
R ²		—		—
Pseudo R ²		.01		.02
N		13,345		13,345

Note: ^aLinear regression; ^bBinary logit; ^cOrdinal logit; ^dPoisson regression.

Data source: ECLS-K Longitudinal Kindergarten-First Grade, 1998–2000.

† $p < .10$; * $p < .05$; ** $p < .01$ (two-tailed).

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