

Table 2: Regression models including only covariates, single and all temperament dimensions and interactions of EC and affective temperament

	Attendance failure (count)			Academic performance (z-score)			Reading ability (z-score)			Writing ability (z-score)		
	RR	95% CI	Marginal / Conditional R <sup>2</sup>	β	95% CI	Marginal/ Conditional R <sup>2</sup>	β	95% CI	Marginal/ Conditional R <sup>2</sup>	β	95% CI	Marginal/ Conditional R <sup>2</sup>
<b>Only covariates model</b>												
Age	1.38 ***	1.31, 1.45		-.02	-.05, .02		.17 ***	.14, .20		.19 ***	.16, .23	
Sex (female:male)	.66 ***	.57, .76		.18 ***	.09, .27		.07	-.01, .14		.21 ***	.13, .29	
SES (z-score)	.88 **	.82, .95	.242 / .342	.07 **	.03, .12	.107 / .141	.06 **	.02, .10	.205 / .284	.09 ***	.05, .13	.275 / .300
IQ (z-score)	.71 ***	.66, .77		.19 ***	.15, .24		.27 ***	.22, .31		.33 ***	.29, .37	
SDQc (z-score)	1.31 ***	1.22, 1.41		-.17 ***	-.21, -.12		-.08 ***	-.12, -.04		-.09 ***	-.13, -.05	
<b>Single temperament models</b>												
EC	.88 **	.81, .96	.244 / .339	.16 ***	.11, .22	.126 / .154	.05 *	.01, .10	.206 / .286	.10 ***	.05, .15	.282 / .306
Fear	.88 *	.80, .97	.247 / .345	.06	.00, .13	.109 / .142	.06 *	.01, .11	.207 / .287	.06	.00, .12	.277 / .302
Frustration	1.17 **	1.04, 1.31	.246 / .350	-.09 *	-.16, -.02	.110 / .142	.04	-.02, .10	.206 / .286	.04	-.02, .11	.276 / .301
Shyness	.94	.85, 1.03	.243 / .343	.02	-.04, .07	.107 / .141	.05	.00, .10	.206 / .287	.05	.00, .10	.277 / .301
Surgency	1.11 *	1.01, 1.23	.246 / .344	-.06	-.12, .01	.109 / .142	-.06 *	-.12, -.01	.207 / .287	-.07 *	-.12, -.01	.278 / .302
<b>Multiple temperament model</b>												
EC	.89 *	.82, .98		.16 ***	.11, .21		.05 *	.00, .10		.09 ***	.05, .14	
Fear	.97	.68, 1.39		.00	-.23, .22		.09	-.11, .29		.08	-.12, .29	
Frustration	1.13	.97, 1.32	.249 / .347	-.08	-.17, .02	.130 / .156	.08	-.01, .16	.211 / .293	.08	-.01, .16	.286 / .311
Shyness	1.03	.88, 1.20		-.05	-.15, .04		.01	-.07, .10		.01	-.08, .10	
Surgency	1.08	.78, 1.50		-.09	-.29, .12		.03	-.16, .21		.02	-.17, .20	
<b>Interaction models</b>												
EC*Fear	1.03	.93, 1.14	.248 / .346	-.01	-.07, .05	.130 / .156	.01	-.05, .06	.211 / .293	.01	-.04, .07	.286 / .311
EC*Frustration	1.10	.96, 1.26	.254 / .350	-.04	-.12, .04	.130 / .155	-.07 *	-.14, -.01	.213 / .294	-.06	-.13, .02	.287 / .310
EC*Shyness	1.05	.95, 1.15	.249 / .345	-.02	-.07, .04	.130 / .156	-.02	-.07, .03	.211 / .293	-.01	-.06, .04	.286 / .311
EC*Surgency	.99	.89, 1.09	.249 / .346	.01	-.05, .07	.130 / .156	-.01	-.06, .05	.211 / .293	-.01	-.07, .04	.286 / .311

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Note: Temperament units are z-scores. All models include age, sex, standardized socio-economic status, standardized intelligence quotient (defined in methods section), standardized Strengths and Difficulties Questionnaire composite of emotional, attentional/hyperactive and conduct problems (defined in methods section). Interaction models include all temperaments and covariates and likelihood ratio test was performed in comparison with multiple temperament model of the respective outcome. RR, rate ratio;  $\beta$ , regression coefficient  $\beta$ ; UB, 95% confidence interval upper bound; LB, 95% confidence interval lower bound. Outcomes were defined in methods section. p-values are adjusted using Benjamin-Hochberg method for multiple testing in each outcome. \*,  $p < .05$ ; \*\*,  $p < .01$ ; \*\*\*,  $p < .001$ .