

Supplemental Table S1

Bivariate Correlations Among All Study Variables

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
1. Sex	--										
2. Social class	-.02	--									
3. Education	-.04*	.28**	--								
4. Neuroticism (S)	.05**	-.02	-.03	--							
5. Extraversion (S)	.04*	.00	-.02	-.35**	--						
6. Openness (S)	-.06*	.12**	.19**	-.05**	.14**	--					
7. Agreeableness (S)	.17**	-.06**	-.01	-.06**	.22**	.26**	--				
8. Conscientiousness (S)	.04*	.03*	.18**	-.11**	.00	.37**	.40**	--			
9. Neuroticism (M)	.08**	-.12**	-.15**	.16**	.02	-.08**	-.02	-.14**	--		
10. Extraversion (M)	-.02	.08**	.03	-.24**	.20**	.06**	.05**	.02	-.45**	--	
11. Agreeableness (M)	.04*	.10**	.13**	-.07**	-.09**	.05**	.01	.13**	-.54**	.32**	--
12. Conscientiousness (M)	.08**	.10**	.22**	-.10**	-.06**	.12**	.02	.18**	-.47**	.28**	.46**
13. Vocabulary (16)	.01	.26**	.35**	-.03	-.06**	.20**	-.03	.13**	-.14**	.03*	.16**
14. Reading (16)	.02	.31**	.43**	-.04	.00	.26**	-.03	.19**	-.16**	.10**	.23**
15. Spelling (16)	.16**	.15**	.20**	-.03	-.04**	.13**	.03	.15**	-.09**	.03	.16**
16. Math (16)	-.03	.27**	.37**	-.06**	-.02	.23**	-.05*	.20**	-.15**	.12**	.18**
17. Matrices (16)	.04	.17**	.25**	.01	.00	.15**	-.03	.09**	-.07**	.06**	.11**
18. Memory (46)	.03	.16**	.26**	-.02	.02	.13**	.01	.08**	-.07**	.08**	.10**
19. Fluency (46)	.02	.17**	.22**	-.03	.07**	.12**	.01	.06**	-.05**	.07**	.09**
20. Speed (46)	.10**	.06**	.06**	-.02	.05**	.09**	.02	.06**	-.01	.03	.03

	12.	13.	14.	15.	16.	17.	18.	19.	20.
12. Conscientiousness (M)	--								
13. Vocabulary (16)	.24**	--							
14. Reading (16)	.26**	.76**	--						
15. Spelling (16)	.22**	.44**	.56**	--					
16. Math (16)	.29**	.62**	.69**	.51**	--				
17. Matrices (16)	.16**	.38**	.48**	.32**	.47**	--			
18. Memory (46)	.16**	.28**	.34**	.19**	.28**	.19**	--		
19. Fluency (46)	.12**	.25**	.32**	.17**	.26**	.21**	.28**	--	
20. Speed (46)	.05*	.07**	.09**	.08**	.10**	.07**	.08**	.16**	--

Note. S=self-reported personality. M=mother-rated personality. 16=cognitive tasks at age 16. 46=cognitive tasks at age 46.
 *p<.05. **p<.01.

Supplemental Table S2

Self-reported and Mother-rated Personality and Cognition at Age 16 Excluding Participants without Cognition at Age 46

Trait	Self		Mother	
	β	p	β	p
<u>Vocabulary</u>				
Model 1				
Neuroticism	-.02	.331	-.09	.000
Extraversion	-.05	.014	.00	.904
Openness	.16	.000	--	--
Agreeableness	.01	.698	.11	.000
Conscientiousness	.12	.000	.19	.000
Model 2				
Neuroticism	.00	.849	-.09	.000
Extraversion	-.05	.011	.01	.520
Agreeableness	.01	.755	.11	.000
Conscientiousness	.09	.000	.17	.000
<u>Reading</u>				
Model 1				
Neuroticism	-.02	.446	-.13	.000
Extraversion	.00	.898	.08	.004
Openness	.25	.000	--	--
Agreeableness	-.01	.694	.22	.000
Conscientiousness	.19	.000	.25	.000
Model 2				
Neuroticism	.00	.978	-.13	.000
Extraversion	-.02	.575	.08	.003
Agreeableness	-.01	.617	.22	.000
Conscientiousness	.15	.000	.22	.000
<u>Spelling</u>				

Model 1

Neuroticism	-.03	.162	-.07	.000
Extraversion	-.05	.007	-.01	.426
Openness	.11	.000	--	--
Agreeableness	.00	.785	.12	.000
Conscientiousness	.14	.000	.17	.000

Model 2

Neuroticism	-.02	.452	-.07	.000
Extraversion	-.05	.010	.00	.809
Agreeableness	.00	.844	.12	.000
Conscientiousness	.11	.000	.16	.000

Math

Model 1

Neuroticism	-.03	.157	-.11	.000
Extraversion	-.02	.394	.10	.000
Openness	.20	.000	--	--
Agreeableness	-.04	.151	.15	.000
Conscientiousness	.17	.000	.26	.000

Model 2

Neuroticism	-.02	.428	-.12	.000
Extraversion	-.04	.073	.10	.000
Agreeableness	-.04	.141	.15	.000
Conscientiousness	.14	.000	.23	.000

Matrices

Model 1

Neuroticism	.01	.661	-.06	.018
Extraversion	.01	.821	.07	.007
Openness	.17	.000	--	--
Agreeableness	-.01	.597	.12	.000
Conscientiousness	.08	.003	.18	.000

Model 2

Neuroticism	.02	.417	-.07	.014
Extraversion	-.01	.682	.08	.007
Agreeableness	-.02	.572	.12	.000
Conscientiousness	.05	.053	.17	.000

Composite Cognition

Model 1

Neuroticism	.01	.643	-.12	.000
Extraversion	-.03	.217	.07	.007
Openness	.26	.000	--	--
Agreeableness	.02	.571	.21	.000
Conscientiousness	.20	.000	.29	.000

Model 2

Neuroticism	.03	.222	-.12	.000
Extraversion	-.05	.054	.08	.002
Agreeableness	.01	.649	.21	.000
Conscientiousness	.16	.000	.26	.000

Note. Coefficients are standardized beta coefficients from linear regression controlling for sex and social class. Model 1 tested self-reported and mother-rated personality separately. Model 2 tested self-reported and mother-rated personality simultaneously. Across all analyses, traits were entered in separately.

Supplemental Table S3

Self-reported and Mother-rated Personality at age 16 and Cognition at Age 46 Controlling for Adult Educational Attainment

Trait	Self		Mother	
	β	p	β	p
<u>Memory</u>				
Model 1				
Neuroticism	-.03	.158	-.03	.112
Extraversion	.04	.017	.08	.000
Openness	.08	.000	--	--
Agreeableness	.02	.274	.06	.002
Conscientiousness	.04	.058	.11	.000
Model 2				
Neuroticism	-.02	.251	-.03	.174
Extraversion	.03	.127	.07	.000
Agreeableness	.02	.296	.06	.002
Conscientiousness	.02	.227	.10	.000
<u>Fluency</u>				
Model 1				
Neuroticism	-.03	.155	-.01	.576
Extraversion	.08	.000	.06	.002
Openness	.08	.000	--	--
Agreeableness	.02	.227	.05	.010
Conscientiousness	.03	.101	.07	.000
Model 2				
Neuroticism	-.03	.179	-.01	.755
Extraversion	.07	.000	.04	.012
Agreeableness	.02	.243	.05	.010
Conscientiousness	.02	.231	.06	.001
<u>Speed</u>				

Model 1				
Neuroticism	-.03	.114	.00	.956
Extraversion	.04	.026	.03	.202
Openness	.07	.000	--	--
Agreeableness	.00	.992	.02	.392
Conscientiousness	.05	.015	.03	.211
Model 2				
Neuroticism	-.03	.110	.00	.816
Extraversion	.04	.046	.02	.412
Agreeableness	.00	.981	.02	.392
Conscientiousness	.05	.022	.02	.344
<u>Composite Cognition</u>				
Model 1				
Neuroticism	-.04	.036	-.02	.348
Extraversion	.08	.000	.08	.000
Openness	.12	.000	--	--
Agreeableness	.03	.157	.07	.000
Conscientiousness	.06	.004	.10	.000
Model 2				
Neuroticism	-.04	.050	-.01	.569
Extraversion	.07	.000	.07	.000
Agreeableness	.03	.174	.07	.001
Conscientiousness	.04	.023	.09	.000

Note. Coefficients are standardized beta coefficients from linear regression controlling for sex, childhood social class, and adult educational attainment. Model 1 tested self-reported and mother-rated personality separately. Model 2 tested self-reported and mother-rated personality simultaneously. Across all analyses, traits were entered in separately.