## Online Appendix Supplementary material: Not for publication

	Cohort:	
	1953	1967-72
<u>Survey questions for pupils in 6<sup>th</sup> grade</u> "Do you think you do well in school?" (Self-confidence)		0.092*** (0.013)
"Are you often worried about things happening in school?" (Anxiety)		-0.022* (0.012)
"Do you give up if you get a difficult task in school?" (Persistence)		-0.062*** (0.012)
"Do you like working together with your classmates?" (Cooperativeness)		0.022* (0.012)
"Do you sometimes bring schoolmates home?" (Sociability)		0.048*** (0.012)
"How often do you spend time with schoolmates after school?" (Peer interaction)	0.071*** (0.015)	
"Do you often think about other things when you are in school?" (Concentration)		-0.040*** (0.012)
"Do you get disappointed if you get bad results on a test?" (Expectations)		0.084*** (0.012)
"What occupation do you aim for?" (Aspirations)	0.103*** (0.018)	0.081*** (0.011)
<u>School administrative data in 6<sup>th</sup> grade</u> Absenteeism		-0.044*** (0.012)
School grades in non-academic subjects	0.131*** (0.017)	
R <sup>2</sup> Number of observations	0.068 3,949	0.115 6,632

Table A1 Correlation between non-cognitive ability at age 18 and measures of non-cognitive ability at age 13

Notes: All variables are standardized by cohort. All models controls for cognitive ability at age 13. Aspiration is measured as the number of years of schooling that the occupation the pupil aim for corresponds to.

## Table A2. First stage estimates

Sample:	ETF-sample Father's non- Father's cognitive cognitive ability at		Uncle-sample				
			Father's cognitive co	Father's height a			
Dependent variable:	ability at age 18	age 18	ability at age 18	age 18	age 18		
Independent variable:							
Father's cognitive	0.729						
ability at age 13	(0.018)	•			•		
Father's non-academic		0.073					
school grades at age 13		(0.027)					
Father's educational		0.107					
aspirations at age 13		(0.027)					
Father's peer		0.041					
interaction at age 13		(0.031)					
Uncle's cognitive ability			0.460				
at age 18			(0.005)				
Uncle's non-cognitive ability at 18				0.313			
				(0.005)			
Uncle's height at age 18					0.518		
					(0.004)		
F-test (first stage)	1713.89	9.45	10251.65	3709.68	14445.85		
n	1,889	1,889	50,172	50,172	52,973		

Notes: The ability measures have been standardized. Standard errors adjusted for clustering on the father are in parentheses.

Son's ability:	Cognitive ability	Logical ability	Verbal ability	Spatial ability	Technical ability
5	0	0	OLS	1 2	2
Father's ability	0.350***	0.292***	0.306***	0.205***	0.281***
	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)
			IV		
Father's ability	0.479***	0.417***	0.490***	0.467***	0.483***
	(0.009)	(0.009)	(0.011)	(0.017)	(0.012)
Statistic:					
Reliability ratio	0.731	0.700	0.624	0.439	0.582
	(0.016)	(0.018)	(0.016)	(0.018)	(0.017)
	Non-cognitive			Psychological	Emotional
Son's ability:	ability	Social maturity	Intensity	energy	stability
		-	OLS		
Father's ability	0.210***	0.156***	0.155***	0.159***	0.136***
5	(0.005)	(0.005)	(0.005)	(0.005)	(0.005)
			IV		
Father's ability	0.422***	0.424***	0.345***	0.414***	0.387***
-	(0.015)	(0.020)	(0.019)	(0.021)	(0.021)
Statistic:					
Reliability ratio	0.498	0.368	0.449	0.384	0.351
	(0.021)	(0.021)	(0.029)	(0.023)	(0.023)
n	50,171	50,171	50,171	50,171	50,171

Table A3. OLS and IV-estimates of intergenerational correlation in abilities – different ability measures

Notes: All estimates come from separate regressions. The ability measures have been standardized. Standard errors adjusted for clustering on the father are in parentheses. In the IV-specification, the father's ability has been instrumented with the uncle's ability. The reliability ratios have been calculated by dividing the OLS-estimates by the IV-estimates, and the standard errors have been computed by means of the delta method.

## Table A4. Sibling and own correlations

	Brother's	Sister's	Boy's own	Girl's own	Brother's	Sister's
	cognitive ability	cognitive ability	GPA	GPA	GPA	GPA
Dependent variable:	at age 13	at age 13	at age 16	at age 16	at age 16	at age 16
Independent variable:						
Brother's cognitive ability at age 18	0.418	0.381			0.363	0.333
	(0.011)	(0.011)			(0.011)	(0.011)
Own cognitive ability at age 13			0.581	0.572		
			(0.009)	(0.009)		•
<i>tatistic</i> :						
Relative correlation	0.910 (0.034)		0.986 (0.022)		0.917 (0.039)	
n	7,833	7,604	7,833	7,604	7,833	7,604

Notes: All estimates come from separate regressions. The ability measures have been standardized. The standard error for the relative sibling correlation has been calculated by using the Delta method.