Web Table 1: Comparison of Demographic Factors, Birth Weight, and Risk Factors for SGA Between the Original Cohort (N=1,518) and the Cytokine and Cognitive Testing- Follow-up Sample (N=369).

Variables	Cytokine/IQ follow-up N=369		Original cohort N=1518		
	mean	SD	mean	SD	*P* value
Maternal age, years	24.2	4.3	24.5	4.5	0.247
Birth weight, grams	3031	649	3088[a]	679	0.145
	n	**%**	**n**	**%**	
Maternal race					0.345
Black	265	71.8%	1052	69.3%	
White	104	28.2%	466	30.7%	
Previous low birth weight (<2750 g)	155	42.0%	585	38.5%	0.221
Previous stillbirth or neonatal death	23	6.2%	98	6.5%	0.874
> 2 spontaneous abortions	10	2.7%	77	5.1%	0.052
Hx of phlebitis	5	1.4%	11	0.7%	0.236
Systolic BP > 140	6	1.6%	32	2.1%	0.554
Previous premature birth	66	17.9%	240	15.8%	0.332
Height < 157 cm	69	18.7%	297	19.6%	0.706
Weight < 50 kg	90	24.4%	350	23.1%	0.587
Drank alcohol during pregnancy	118	32.0%	484	31.9%	0.975
Smoked during pregnancy	155	42.0%	718	47.3%	0.067
Late care > 26 weeks gestation	14	3.8%	61	4.0%	0.843

[a] Birth weight based on n=1491

Web Table 2. Adjusted[a] Odds Ratios for Low (scores <70) Verbal and Performance Intelligence Quotient (VIQ, PIQ) (*vs.* reference: $\geq$ 70), and Adjusted[a] Linear Regression Coefficients for VIQ and PIQ as Continuous Variables at Age 5 Years in Relation to Cord Serum Cytokine Levels (log, pg/mL), Infant Growth Project, Jefferson County, Alabama, 1985-1988 (*n* = 369).

	VIQ <70		PIQ <70		VIQ		PIQ	
	OR	95% CI	*OR*	95% CI	β	95% CI	β	95% CI
IFN-γ	1.04	0.74, 1.45	**0.68**[*]	**0.46, 0.99**	0.43	-0.81, 1.67	0.80	-0.68, 2.27
TNF-α	1.01	0.53, 1.93	0.88	0.45, 1.71	0.32	-2.08, 2.72	-1.02	-3.88, 1.83
IL-12p70	0.73	0.39, 1.38	**0.43**[*]	**0.21, 0.88**	1.59	-0.71, 3.89	1.97	-0.75, 4.70
IL-10	0.86	0.56, 1.32	0.92	0.60, 1.42	0.81	-0.69, 2.31	0.31	-1.49, 2.10
IL-4	0.95	0.68, 1.32	0.71	0.49, 1.02	0.63	-0.59, 1.85	1.40	-0.03, 2.82

[*] *P* value <0.05 in logistic regression reference group: $\geq$ 70.
[a] Adjusted model VIQ and PIQ: Adjusted for gender, race; VIQ is additionally adjusted for smoking in pregnancy (any).

Web Table 3. Adjusted[a] Odds Ratios for Low (scores <70) Verbal and Performance Intelligence Quotient (VIQ, PIQ) (*vs.* reference: $\geq$ 70), at Age 5 Years in Relation to Log Cytokine Concentrations by Preterm Birth status, Infant Growth Project, Jefferson County, Alabama, 1985-1988 (*n* = 369).

	Preterm birth N= 72				Term birth N=297			
	VIQ <70		**PIQ <70**		**VIQ <70**		**PIQ <70**	
	OR	95% CI	*OR*	95% CI	*OR*	95% CI	*OR*	95% CI
IFN-γ	1.04	0.50, 2.16	0.62	0.20, 1.93	1.03	0.71, 1.51	0.72	0.48, 1.08
TNF-α	**0.11**[*]	**0.02, 0.96**	0.08	0.003, 2.11	1.34	0.67, 2.70	1.15	0.58, 2.29
IL-12p70	0.48	0.11, 1.98	0.88	0.11, 7.02	0.82	0.40, 1.66	**0.41**[*]	**0.19, 0.89**
IL-10	0.52	0.17, 1.57	1.44	0.38, 5.43	0.95	0.60, 1.50	0.93	0.59, 1.46
IL-4	0.90	0.39, 2.07	0.91	0.26, 3.18	0.95	0.66, 1.36	0.70	0.49, 1.03

[*] *P* value <0.05 in logistic regression model, reference group: $\geq$ 70.
[a] Model adjusted for gender, race; VIQ is additionally adjusted for smoking in pregnancy (any).

Web Table 4. Adjusted[a] Odds Ratios for Low (scores <70) Verbal and Performance Intelligence Quotient (VIQ, PIQ) (*vs.* reference: ≥ 70), at Age 5 Years in Relation to Log Cytokine Concentrations by Small-for-Gestational-Age status, Infant Growth Project, Jefferson County, Alabama, 1985-1988 (*n* = 369).

	SGA birth N= 75				non-SGA birth N=294			
	VIQ <70		PIQ <70		VIQ <70		PIQ <70	
	OR	95% CI	*OR*	95% CI	*OR*	95% CI	*OR*	95% CI
IFN-γ	0.90	0.47, 1.73	0.67	0.34, 1.32	1.11	0.75, 1.67	0.72	0.45, 1.15
TNF-α	**3.87[b]**	**0.98, 15.3**	2.17	0.69, 6.85	0.52	0.23, 1.17	0.50	0.22, 1.16
IL-12p70	1.09	0.35, 3.36	0.76	0.25, 2.33	0.61	0.28, 1.34	**0.32[*]**	**0.13, 0.81**
IL-10	1.22	0.67, 2.20	1.20	0.68, 2.12	0.65	0.35, 1.21	0.74	0.39, 1.39
IL-4	1.0	0.48, 2.07	0.92	0.46, 1.84	0.96	0.65, 1.41	0.67	0.43, 1.05

[*] P value <0.05; [b] P value =0.053 in logistic regression model reference group: ≥ 70.
[a] Model adjusted gender, race; VIQ is additionally adjusted for smoking in pregnancy (any).