

**S1 Table. GINIplus (sensitivity analysis): GLI- and LUNOKID-based z-scores of all lung healthy 15-year old participants (All), participants without a respiratory tract infection in the last 2-4 weeks and participants with no nutritional intervention in the first months of life.**

		GLI			LUNOKID	
		N	mean (sd) <sup>a</sup>	%≤LLN	mean (sd) <sup>a</sup>	%≤LLN
<b>All (main analysis)</b>	<b>FEV<sub>1</sub></b>	1032	-0.58 (0.87)	11.5% ***	0.02 (1.12) ***	7.3% *
	<b>FVC</b>	1029	-0.57 (0.85)	10.9% ***	-0.12 (1.06) ***	8.0% **
	<b>FEV<sub>1</sub>/FVC</b>	1038	-0.04 (0.97) ***	5.4%	0.28 (1.17) ***	6.2%
<b>No infection in the last 2-4 weeks</b>	<b>FEV<sub>1</sub></b>	913	-0.59 (0.87)	11.7% ***	0.01 (1.12) ***	7.3%
	<b>FVC</b>	911	-0.57 (0.85)	10.9% ***	-0.11 (1.06) ***	7.8% *
	<b>FEV<sub>1</sub>/FVC</b>	918	-0.04 (0.96) ***	5.1%	0.27 (1.16) ***	6.0%
<b>No nutritional intervention</b>	<b>FEV<sub>1</sub></b>	549	-0.60 (0.85)	11.7% ***	0.00 (1.09) ***	6.7%
	<b>FVC</b>	548	-0.61 (0.85)	12.6% ***	-0.18 (1.07) ***	8.8% *
	<b>FEV<sub>1</sub>/FVC</b>	551	0.01 (0.97) ***	4.4%	0.33 (1.17) **	5.1%

<sup>a</sup> Two one-sided tests (TOST) for equivalence. Fit is sufficient if the null-hypothesis of a mean z-score outside of the interval [-0.5, 0.5] is rejected (\*: p<0.05, \*\*: p<0.01, \*\*\*: p<0.001).