

**Additional file 5. The microbiota differences of healthy and eczematous children from placebo group at the age of 18 months as assessed by HITChip analysis.**

Phylum/order	Genus-like phylogenetic group	Mean relative abundance* (SD)		
		18 months, placebo group		p-value
		Healthy (n=5)	Eczema (n=6)	
Bacteroidetes		4.92 (5.70)	1.34 (0.25)	0.15
	<i>B. fragilis et rel.</i>	1.57 (2.15)	0.12 (0.02)	0.13
	<i>B. ovatus et rel.</i>	0.37 (0.62)	0.09 (0.02)	0.29
	<i>B. plebeius et rel.</i>	0.08 (0.03)	0.06 (0.01)	0.17
	<i>B. stercoris et rel.</i>	0.08 (0.03)	0.05 (0.01)	0.16
	<i>B. uniformis et rel.</i>	0.45 (0.59)	0.03 (0.01)	0.11
	<i>B. vulgatus et rel.</i>	1.29 (2.28)	0.18 (0.09)	0.26
	<i>P. tanneriae et rel.</i>	0.06 (0.03)	0.04 (0.01)	0.22
<i>Clostridium</i> cluster IV	<i>C. leptum et rel.</i>	1.24 (1.98)	1.89 (1.10)	0.51
	<i>R. bromii et rel.</i>	0.33 (0.64)	0.57 (0.22)	0.41
	<i>C. cellulosi et rel.</i>	0.88 (1.15)	1.40 (0.70)	0.38
<i>Clostridium</i> cluster XIVa	<i>R. lactaris et rel.</i>	0.06 (0.03)	3.26 (3.71)	0.09
	<i>C. nexile et rel.</i>	1.60 (1.00)	1.62 (0.69)	0.96

\* % of total HITChip signal