

**Additional file 1. Basic characteristics of the study subjects.**

Subject	6mo sample	18mo sample	Intervention group	Total breastfeeding (months)	Health status (h/e)	First eczema symptoms (age in months)	SPT+-6kk	SPT+-24kk
1	yes	no	placebo	14.0	h	-	no	no
2	yes	yes	LGG	6.5	e	2.0	yes	yes
3	yes	yes	LGG	10.0	e	5.0	yes	yes
4	yes	yes	LGG	7.0	h	-	no	no
5	yes	yes	LGG	7.5	e	14.0	no	no
6	yes	yes	placebo	8.0	e	6.0	no	no
7	yes	yes	placebo	7.0	e	2.0	no	no
8	no	yes	LGG	11.0	h	-	no	no
9	yes	yes	LGG	7.0	e	5.0	no	yes
10	yes	yes	placebo	4.0	e	3.5	yes	yes
11	yes	yes	LGG	9.5	h	-	no	no
12	yes	no	placebo	19.0	h	-	no	no
13	yes	yes	placebo	10.0	h	-	no	no
14	no	yes	placebo	11.0	h	-	no	no
15	yes	no	LGG	12.0	h	-	no	no
16	yes	no	placebo	13.0	e	4.0	no	no
17	yes	yes	LGG	4.0	h	-	no	no
18	yes	yes	placebo	5.0	h	-	no	no
19	yes	no	placebo	11.0	e	7.0	no	NA
20	yes	no	placebo	6.0	h	-	no	no
21	yes	yes	placebo	11.0	e	16.0	no	no
22	yes	yes	placebo	12.0	e	3.0	no	no
23	yes	yes	LGG	11.0	h	-	no	no
24	yes	no	LGG	7.0	h	-	no	no
25	yes	yes	LGG	11.5	h	-	no	no
26	yes	no	LGG	4.0	h	-	no	no
27	no	yes	placebo	6.0	h	-	no	no
28	yes	no	placebo	7.0	h	-	no	no
29	yes	yes	placebo	10.0	h	-	no	no
30	yes	no	placebo	11.0	e	12.0	no	no
31	yes	yes	LGG	7.0	e	5.0	no	yes
32	yes	yes	placebo	9.0	e	2.0	no	no
33	yes	yes	placebo	6.0	h	-	no	NA
34	yes	yes	LGG	7.5	e	6.0	no	no

Health status: h = healthy, e = eczema

LGG indicates receiving supplementation with *L. rhamnosus* GG.

SPT+ = skin prick test positive; NA= information not available