

## Supplementary Material

**Table S1.** Main characteristics of six infants

Sample	Sexuality	Age(d)	Birth weight(g)	Delivery mode	Full-term delivery	Feeding mode	Probiotic	Antibiotic
A1	Girl	120	2800	Vaginal delivered	Yes	Breast milk	No	No
A2	Girl	127	3320	Vaginal delivered	Yes	Breast milk	No	No
A3	Girl	118	3570	Vaginal delivered	Yes	Breast milk	No	No
B1	Girl	125	3740	Vaginal delivered	Yes	Breast milk	No	Amoxicillin (560mg, 3d)
B2	Girl	110	3690	Vaginal delivered	Yes	Breast milk	No	Amoxicillin (625mg, 3d)
B3	Girl	121	3150	Vaginal delivered	Yes	Breast milk	No	Amoxicillin (680mg, 4d)

**Table S2.** 18 classical culture conditions of culturomics

<b>Number</b>	<b>Fluid medium</b>	<b>Plate cultivation</b>	<b>Culture environment</b>
1	Preincubation in aerobic blood culture bottle with stool filtered at 5 µm		Aerobic conditions at 37°C
2	Preincubation in aerobic blood culture bottle with 5 ml sheep blood		Aerobic conditions at 37°C
3	Preincubation in aerobic blood culture bottle with 5 ml rumen fluid and sheep blood		Aerobic conditions at 37°C
4	Preincubation in aerobic blood culture bottle with 5 ml rumen fluid		Aerobic conditions at 37°C
5	Preincubation in anaerobic blood culture bottle after thermic shock at 80°C maintain 20 min		Anaerobic conditions at 37°C
6	Preincubation in anaerobic blood culture bottle with stool filtered at 5 µm		Anaerobic conditions at 37°C
7	Preincubation in anaerobic blood culture bottle with 5 ml sheep blood		Anaerobic conditions at 37°C
8	Preincubation in anaerobic blood culture bottle		Anaerobic conditions at 37°C
9	Preincubation in anaerobic blood culture bottle with 5 ml rumen fluid and sheep blood	5% sheep blood agar	Anaerobic conditions at 37°C
10	Preincubation in anaerobic blood culture bottle with 5 ml rumen fluid		Anaerobic conditions at 37°C
11	Preincubation under anaerobic conditions in marine broth		Anaerobic conditions at 37°C
12	Preincubation in aerobic marine broth		Aerobic conditions at 37°C
13	Preincubation under aerobic conditions in 5% sheep blood broth		Aerobic conditions at 37°C
14	Preincubation under anaerobic conditions in 5% sheep blood broth		Anaerobic conditions at 28°C
15	Preincubation under aerobic conditions in 5% sheep blood broth		Aerobic conditions at 28°C
16	Preincubation under anaerobic conditions in 5% sheep blood broth		Anaerobic conditions at 37°C
17	Preincubation under aerobic conditions in Trypticase soy broth		Aerobic conditions at 37°C
18	Preincubation under aerobic conditions in brain heart infusion broth with 5% sheep blood		Aerobic conditions at 37°C