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Persistent Gut Microbiota Immaturity in Malnourished Bangladeshi Children

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Abstract

Therapeutic food interventions have reduced mortality in children with severe acute malnutrition (SAM) but incomplete restoration of healthy growth remains a major problem[1,2]. The relationships between the type of nutritional intervention, the gut microbiota, and therapeutic responses are unclear. In the current study, bacterial species whose proportional representation define a healthy gut microbiota as it assembles during the first two postnatal years were identified by applying a machine-learning-based approach to 16S rRNA datasets generated from monthly fecal samples obtained from a birth-cohort of children, living in an urban slum of Dhaka, Bangladesh, who exhibited consistently healthy growth. These age-discriminatory bacterial species were incorporated into a model that computes a 'relative microbiota maturity index' and 'microbiota-for-age Z-score' that compare development (defined here as maturation) of a child's fecal microbiota relative to healthy children of similar chronologic age. The model was applied to twins and triplets (to test for associations of these indices with genetic and environmental factors including diarrhea), children with SAM enrolled in a randomized trial of two food interventions,

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16S rRNA sequences, generated from fecal samples in raw format prior to post-processing and data analysis, have been deposited at the European Nucleotide Archive (Study accession number PRJEB5482).

Supplementary Information is linked to the online version of the paper at www.nature.com/nature.

and children with moderate acute malnutrition. Our results indicate that SAM is associated with significant relative microbiota immaturity that is only partially ameliorated following two widely used nutritional interventions. Immaturity is also evident in less severe forms of malnutrition and correlates with anthropometric measurements. Microbiota maturity indices provide a microbial measure of human postnatal development, a way of classifying malnourished states, and a parameter for judging therapeutic efficacy. More prolonged interventions with existing or new therapeutic foods and/or addition of gut microbes may be needed to achieve enduring repair of gut microbiota immaturity in childhood malnutrition and improve clinical outcomes.

Severe acute malnutrition and moderate acute malnutrition (MAM) are typically defined by anthropometric measurements: children are classified as having SAM if their weight-for-height Z-scores (WHZ) are below three standard deviations (-3 SD) from the median of the World Health Organization (WHO) reference growth standards, while those with WHZ scores between minus two and minus three SD are categorized as having MAM[3]. SAM and MAM typically develop between three and 24 months of life[4]. A standardized treatment protocol for SAM and its complications has been developed in Bangladesh[1]. The result has been a reduction in mortality rate, although the extent to which this protocol results in long-term restoration of normal growth and development needs to be ascertained through longitudinal studies[5,6]. There is similar lack of clarity about the long-term efficacy of nutritional interventions for MAM[7,8].

Food is a major factor that shapes the proportional representation of organisms present in the gut microbial community (microbiota), and its gene content (microbiome). The microbiota/microbiome in turn plays an important role in extracting and metabolizing dietary ingredients[9-14]. Hypothesizing that healthy postnatal development (maturation) of the gut microbiota is perturbed in malnutrition[12], we followed 50 healthy Bangladeshi children monthly during the first two years of life (25 singletons, 11 twin pairs, 1 set of triplets; 996 monthly fecal samples collected, see *Methods*, Extended Data Tables 1-3). By identifying bacterial taxa that discriminate the microbiota of healthy children at different chronologic ages, we were able to test our hypothesis by studying 6-20 month old children presenting with SAM, just prior to, during, and after treatment 4 with two very different types of food intervention, as well as children with MAM. The results provide a different perspective about malnutrition - one involving disruption of a microbial facet of our normal human postnatal development.

To characterize gut microbiota development/maturation across unrelated healthy Bangladeshi infants living in separate households, fecal samples were collected at monthly intervals up to 23.4±0.5 months of age in a training set of 12 children who exhibited consistently healthy anthropometric scores [WHZ, -0.32±0.98 (mean±SD; 22.7±1.5 fecal samples/child; Extended Data Table 4a]. Methods for characterizing the bacterial component of their fecal microbiota samples by V4-16S rRNA sequencing (Extended Data Table 5) and assigning the resulting reads to operational taxonomic units (OTUs) sharing ≥97% nucleotide sequence identity are described in *Methods*. (A 97%ID OTU is commonly construed as representing a species-level taxon). The relative abundances of 1222 97%ID OTUs that passed our filtering criterion[15] were regressed against the chronologic age of

each child at the time of fecal sample collection using the Random Forests machine learning algorithm[16]. The regression explained 73% of the variance related to chronologic age. The significance of the fit was established by comparing fitted to null models where age labels of samples were randomly permuted with respect to their 16S rRNA microbiota profiles (p=0.0001, 9999 permutations). Ranked lists of all bacterial taxa, in order of 'age-discriminatory importance', were determined by considering those taxa whose relative abundance values when permuted have a larger marginal increase in mean squared error to be more important (see *Methods*). Ten-fold cross-validation was used to estimate age-discriminatory performance as a function of the number of top-ranking taxa according to their feature importance scores. Minimal improvement in predictive performance was observed when including taxa beyond the top 24 (see Extended Data Table 6 for the top 60). The 24 most age-discriminatory taxa identified by Random Forests are shown in Fig. 1a in rank order of their contribution to the predictive accuracy of the model and were selected as inputs to a sparse 24-taxon model.

To test the generalizability of this sparse model, we applied it, with no further parameter optimization, to additional monthly fecal samples collected from two other healthy groups of children: 13 singletons [WHZ, -0.4±0.8 (mean±SD)] and 25 children from a birth cohort study of twins and triplets, [WHZ, -0.5±0.7 (mean±SD)], all born and raised in Mirpur, Bangladesh (Extended Data Table 4b,c). The model was found to be generalizable to both groups, (r^2 = 0.71 and 0.68, respectively), supporting the consistency of the observed taxonomic signature of microbiota maturation across different healthy children living in this geographic locale (Fig. 1b,c).

Two metrics of microbiota maturation were defined by applying the sparse model to the 13 healthy singletons and 25 members of twin pairs/triplets that had been used for model validation:

$$\begin{aligned} Relative\ microbiota\ maturity \quad = \quad & microbiota\ age\ of\ an\ infant/child - microbiota\ age\ of\ healthy \\ & infants/children\ of\ similar\ chronologic\ age \end{aligned} \tag{1}$$

Microbiota age values for healthy children were interpolated across the first two years of life using a spline fit (Fig. 1b).

$$Microbiota for age\ Z\ score\,(MAZ) = \frac{(microbiota\ age - median\ microbiota\ age\ of\ healthy\ children\ of\ same\ chronologic\ age)}{(standard\ deviation\ of\ microbiota\ age\ of\ healthy\ children\ of\ the\ same\ chronologic\ age)} \tag{2}$$

where median and standard deviation of microbiota age were computed for each month up to 24 months. MAZ accounts for the variance of predictions of microbiota age as a function of different host age ranges (when considered in discrete monthly bins). (See Extended Data Fig. 1 for an illustration of how each metric is calculated, plus Supplementary Notes for additional discussion of how this approach defines immaturity as a specific recognizable state rather than entirely as a lack of maturity).

To study the influences of genetic and environmental factors on these microbiota maturation indices, we examined their distribution in healthy Bangladeshi twins and triplets. Monozygotic (MZ) twins were not significantly more correlated in their maturity profiles

compared to dizygotic (DZ) twins, and within the set of triplets, the two MZ siblings were not more correlated than their fraternal sibling [MZ pairs, 0.1±0.5 (Spearman Rho±SD); DZ pairs, 0.33±0.3; in the case of the triplets, values for the MZ pair and fraternal sibling were 0.1; and 0.24±0.3, respectively]. Maturity was significantly decreased in fecal samples obtained during and one month following diarrheal episodes ($p<0.001$ and $p<0.01$ respectively) but not beyond that period (Extended Data Fig. 2). There was no discernable effect of recent antibiotic usage (1 week prior to sampling) on relative microbiota maturity, while intake of infant formula was associated with significantly higher maturity values (Extended Data Table 7). Family membership explained 29% of the total variance in relative microbiota maturity measurements (loglikelihood ratio=102.1, $p<0.0001$; linear mixed model). (See Supplementary Notes, Extended Data Tables 8 and 9; Extended Data Fig. 3 for analyses of fecal microbiota variation in mother-infant dyads and fathers).

The effects of SAM on microbiota maturity

Sixty-four children with SAM who had been admitted to the Nutritional Rehabilitation Unit of icddr,b Dhaka Hospital were enrolled in a study to investigate the configuration of their fecal microbiota before, during and after treatment with either an imported, internationally used Ready-to-use Therapeutic Food (RUTF; Plumpy'Nut) or a locally produced, lower cost nutritional food combination (Khichuri-Halwa). Children ranged in age from 6 to 20 months of age at the time of enrollment and were randomly assigned to either of the treatment arms. At enrollment, WHZ scores averaged -4.2±0.7 (mean±SD) (see Extended Data Tables 10-12 for patient metadata and Fig. 2a for study design). In the initial 'acute phase' of treatment, infection control was achieved with parenteral administration of ampicillin and gentamicin for 2 and 7 days respectively, and oral amoxicillin for 5 days (from days 3 and 7). Children with SAM were initially stabilized by feeding a milk-based 'suji' followed by randomization to either an imported peanut-based RUTF intervention or an intervention with locally-produced, rice and lentil-based therapeutic foods (Khichuri and Halwa; see Supplementary Information and Extended Data Table 13 for compositions of all foods used during nutritional rehabilitation). During this second 'nutritional rehabilitation phase' (1.3±0.7 weeks) children received 150-250 kcal/kg body weight/d of RUTF or Khichuri-Halwa (3-5 g protein/kg/d), plus micronutrients including iron. Children were discharged from the hospital after the completion of this second phase; during this 'post-intervention phase', periodic follow-up exams were performed to monitor health status. Fecal samples were obtained during the acute phase before treatment with Khichuri-Halwa or RUTF, then every three days during the nutritional rehabilitation phase, and monthly thereafter during the post-intervention follow-up period.

There was no significant difference in rate of weight gain between the RUTF and Khichuri-Halwa groups (10.9±4.6 versus 10.4±5.4 g/kg body weight/day (mean±SD); $p=0.7$; Student's t-test). The mean WHZ at the completion of nutritional rehabilitation was significantly improved in both treatment groups [-3.1±0.7 (mean±SD) RUTF; $p<0.001$ and -2.7±1.6 Khichuri-Halwa; $p<0.0001$], but not significantly different between groups ($p=0.15$). During follow-up, WHZ scores remained significantly lower compared to healthy children (-2.1±1.2, Khichuri-Halwa; -2.4±0.8 RUTF versus -0.5±1.1 for healthy; $p<0.0001$,

Extended Data Fig. 4a). Children in both arms also remained severely stunted and severely underweight throughout the follow-up period (Extended Data Fig. 4b,c).

The Random Forests model derived from healthy children was used to define relative microbiota maturity for children with SAM at the time of enrollment, during treatment, at the end of either nutritional intervention, and during the months of followup. The results reveal that compared to healthy, SAM was associated with significant microbiota immaturity at the time that nutritional rehabilitation was initiated and at cessation of treatment (Dunnett's post-hoc test, $p<0.0001$ for both groups; Fig. 2b). Within one month of follow-up, both groups had improved significantly. However, improvement in this metric was short-lived for the RUTF and Khichuri-Halwa groups, with regression to significant immaturity relative to healthy children beyond four months after treatment was stopped (Fig. 2b, Extended Data Table 14). MAZ scores, like relative microbiota maturity, indicated a transient improvement after RUTF intervention that was not durable beyond 4 months. In the Khichuri-Halwa group, relative microbiota maturity and MAZ scores improved following treatment, but subsequently regressed, exhibiting significant differences relative to healthy children at 2-3 months, and >4 months after cessation of treatment (Fig. 2b, Extended Data Table 14).

Both food interventions had non-durable effects on other microbiota parameters. The reduced bacterial diversity associated with SAM persisted after Khichuri-Halwa and only transiently improved with RUTF (Fig. 2b, Extended Data Fig. 5 and Extended Data Table 14). We identified a total of 220 bacterial taxa that were significantly different in their proportional representation in the fecal microbiota of children with SAM compared to healthy; 165 of these 220 97%ID OTUs were significantly diminished in the microbiota of children with SAM during the longer term follow-up period in both treatment groups (Extended Data Figs. 6 and 7; Extended Data Table 15).

While the majority of children in both treatment arms of the SAM study were unable to provide fecal samples prior to the initiation of antibiotic treatment due to the severity of their illness, a subset of nine children each provided one or two fecal samples (n=12) before administration of parenteral ampicillin/gentamicin and oral amoxicillin. Microbiota immaturity was manifest at this early time-point before antibiotics in these nine children (relative microbiota maturity: -5.15±0.9 months versus -0.03±0.1 for the 38 reference healthy controls; Mann-Whitney $p<0.0001$). Sampling these nine children after treatment with parenteral and oral antibiotics but prior to initiation of RUTF or Khichuri-Halwa (6±3.6 d after hospital admission) showed that there was no significant effect on microbiota maturity ($p=1$; Wilcoxon matched-pairs rank test). When preantibiotic fecal samples from these nine children were compared to samples collected at the end of all treatment interventions (dietary and antibiotic, 20±9d after admission), no significant differences in microbiota maturity ($p=0.7$, Wilcoxon), bacterial diversity (or WHZ scores) were found (Extended Data Fig. 8a-c). This is not to say that these interventions were without effects on overall community composition: opposing changes in the relative abundance of *Streptococcaceae* and *Enterobacteriaceae* were readily apparent (Extended Data Fig. 8e,f; note that the Random Forests model classified both the microbiota of children with SAM sampled prior to and at the conclusion of all treatment interventions as immature, indicating

lack of a generic immature state). While these findings indicate that the relative microbiota immaturity associated with SAM was not solely attributable to the antibiotics used to treat these children, we could not, in cases where children were not able to provide pre-intervention fecal samples, measure the effects of other antibiotics, consumed singly or in various combinations, on their metrics of microbiota maturation (See Supplementary Notes and Extended Data Table 16 for further evidence indicating antibiotic use in the follow-up period did not correlate with the persistence of microbiota immaturity in children with SAM).

SAM affects ~4% of children in developing countries. MAM is more prevalent, particularly in South Central Asia, where it affects ~19% (30 million)[7]. Epidemiological studies indicate that periods of MAM are associated with progression to SAM, and with stunting which affects >40% of children under the age of five in Bangladesh[17]. Therefore, we extended our study to children from the singleton cohort at 18 months of age, when all had transitioned to solid foods (n=10 children with WHZ lower than -2 SD, the threshold for MAM; 23 children with healthy WHZ scores; Extended Data Table 17). The relationship between microbiota maturity, MAZ scores and WHZ was significant (Spearman rho=0.62 and 0.63; $p<0.001$, respectively; Extended Data Fig. 9a,b). Comparing children with MAM to those defined as healthy revealed significantly lower relative microbiota maturity, MAZ scores and differences in the relative abundances of age-discriminatory taxa in the malnourished group (Extended Data Figs. 9d-l and 10a,b). These results suggest that microbiota immaturity may be an additional pathophysiological component of moderately malnourished states.

Prospectus

Defining microbiota maturity using bacterial taxonomic biomarkers that are highly discriminatory for age in healthy children has provided a way to characterize malnourished states, including whether responses to food interventions endure for prolonged periods of time beyond the immediate period of treatment. RUTF and Khichuri-Halwa produced improvements in microbiota maturity indices that were not sustained. Addressing the question of how to achieve durable responses in children with varying degrees of malnutrition may involve extending the period of administration of existing or new types of food interventions[7]. One testable hypothesis is that a population's microbiota conditioned for generations on a diet will respond more favorably to nutrient supplementation based on food groups represented in that diet. Next generation probiotics using gut-derived taxa may also be required in addition to food-based interventions. The functional roles (niches) of the age-discriminatory taxa identified by our Random Forests model need to be clarified since they themselves may be therapeutic candidates and/or form the basis for low cost field-based diagnostic assessments.

Systematic analyses of microbiota maturation in different healthy and malnourished populations living in different locales, representing different lifestyles and cultural traditions[11,18], may yield a taxonomy-based model that is generally applicable to many countries and types of diagnostic/therapeutic assessments. Alternatively, these analyses may demonstrate a need for geographic specificity when constructing such models (and diagnostic tests or therapeutic regimens). Two observations are notable in in this regard.

First, expansion of our sparse model from 24 to 60 taxa yielded similar results regarding the effects of diarrhea in healthy individuals, MAM and SAM (and its treatment with RUTF and Khichuri-Halwa) on microbiota maturity (see Supplemental Notes). *Second*, we applied our Bangladeshi model to healthy children in another population at high risk for malnutrition. The results show that the model generalizes (r^2=0.6) to a cohort of 47 Malawian twins and triplets, aged 0.4-25.1 months, who were concordant for healthy status in a previous study[11] (WHZ, -0.23±0.97 (mean±SD); Extended Data Table 18). Age-discriminatory taxa identified in healthy Bangladeshi children show similar agedependent changes in their representation in the microbiota of healthy Malawian children, as assessed by the Spearman rank correlation metric (Extended Data Fig. 10c,d).

The question of whether microbiota immaturity associated with SAM and MAM is maintained during and beyond childhood also underscores the need to determine the physiologic, metabolic and immunologic consequences of this immaturity, and how they might contribute to the associated morbidities and sequelae of malnutrition, including increased risk for diarrheal disease, stunting, impaired vaccine responses, and cognitive abnormalities[2,19]. Our study raises a testable hypothesis: namely, that assessments of microbiota maturation, including in the context of the maternal-infant dyad, will provide a more comprehensive view of normal human development and of developmental disorders, and spawn new directions for preventive medicine. Testing this hypothesis will require many additional clinical studies but answers may also spring forth from analyses of properly consented gut microbiota samples that have already been stored from previous studies.

Methods

Singleton birth cohort

Full details of the design of this now completed birth cohort study have been previously described[21]. Fecal microbiota samples were profiled from 25 children who had consistently healthy anthropometric measures based on quarterly (every 3 month) measurements (Extended Data Table 1). The WHZ threshold used for ‘healthy’ (on average above -2 SD) was based on median weight and height measurements obtained from age- and gender-matched infants and children by the Multi-Centre Growth Reference study of the World Health Organization[3]. Clinical parameters, including diarrheal episodes and antibiotic consumption associated with each of their fecal samples are provided in Extended Data Table 2.

A second group studied from this singleton cohort consisted of 33 children sampled cross-sectionally at 18 months, including those who were incorporated as healthy reference controls, and those with a WHZ < -2 who were classified with MAM (Extended Data Table 17).

Twins/Triplets birth cohort

Mothers with multiple pregnancy, identified by routine clinical and sonographic assessment at the Radda Maternal Child Health and Family Planning (MCH-FP) Clinic in Dhaka, were enrolled in a prospective longitudinal study (n=11 mothers with twins; 1 with triplets). The

zygosity of twin pairs and triplets was determined using plasma DNA and a panel of 96 polymorphic SNPs (Center for Inherited Disease Research, Johns Hopkins University). Four twin pairs were monozygotic (MZ), six were dizygotic (DZ) and the set of triplets consisted of a MZ pair plus one fraternal sibling (Extended Data Table 1; note that one of the 11 twin pairs could not be tested for zygosity because plasma samples were not available). Information about samples from healthy twins, triplets and their parents, including clinical parameters associated with each fecal sample, is provided in Extended Data Table 2 and Extended Data Table 3.

The three healthy Bangladeshi groups used for model training and validation had the following WHZ scores: -0.32±1 (mean ± SD; 12 singletons randomized to the training set), -0.44±0.8 (13 singletons randomized to one of the two validation sets), and -0.46±0.7 (twins and triplets in the other validation set) (Extended Data Table 4). The average number of diarrheal episodes in the singleton training set, the singleton validation set, and the twin/triplet validation set (4, 4.6, 1.7, respectively) was comparable to values reported in previous surveys of another cohort of 0-2 year-old Bangladeshi children (4.25 /child/year)[22].

There were no significant differences in the number of diarrheal episodes/year/child and the number of diarrheal days/year/child between the singleton training and validation sets (Student's t-test, p=0.5). Moreover, across all training and validation sets, neither of these diarrheal parameters correlated with mean age-adjusted Shannon diversity indices (Spearman rho; -0.18 and -0.12; p=0.22 and 0.4, respectively). The fraction of fecal samples collected from each child where oral antibiotics had been consumed within the prior 7 days was not significantly different between the training and two validation sets (p=0.14; one-way ANOVA; see Extended Data Table 4).

Severe Acute Malnutrition (SAM) study

Sixty-four children in the Nutritional Rehabilitation Unit of icddr,b Dhaka Hospital suffering from SAM (defined as having a WHZ score less than -3 SD and/or bilateral pedal edema) were enrolled in a randomized interventional trial to compare an imported peanut-based RUTF, Plumpy'Nut (Nutriset Plumpyfield, India) and locally produced Khichuri-Halwa (clinical trial NCT01331044). Initially children were stabilized by rehydration and feeding 'suji', which contains whole bovine milk powder, rice powder, sugar and soybean oil (~100 kcal/kg body weight/d, including 1.5 g protein/kg/d). Children were then randomized to the Khichuri-Halwa or RUTF groups. Khichuri consists of rice, lentils, green leafy vegetables, and soybean oil, while Halwa consists of wheat flour (*atta*), lentils, molasses, and soybean oil. Children randomized to the Khichuri-Halwa arm also received milk suji '100' during their nutritional rehabilitation (a form of suji with a higher contribution of calories from milk powder compared to suji provided during the acute phase). RUTF is a ready-to-use paste that does not need to be mixed with water; it consists of peanut paste mixed with dried skimmed milk, vitamins and minerals (energy density 5.4 kcal/g). Khichuri and Halwa are less energy-dense than RUTF (1.45 kcal/g and 2.4 kcal/g, respectively, see Extended Data Table 13 for a list of ingredients for all foods used during nutritional rehabilitation).

The primary outcome measurement, rate of weight gain (g/kg/d), along with improvement in WHZ score after nutritional rehabilitation are reported by child in Extended Data Table 10. Fecal samples were collected prior to randomization to the RUTF and Khichuri-Halwa treatment arms, every three days during nutritional rehabilitation and once monthly during follow-up (Information associated with each fecal sample is provided in Extended Data Table 11).

Anthropologic study

To obtain additional information about household practices in the Mirpur slum of Dhaka, in-depth semi-structured interviews and observations were conducted over the course of one month in nine households (n=30 individuals). This survey, approved by the Washington University and icddr,b IRBs, involved three icddr,b field research assistants, and three senior scientific staff in the icddr,b Centre for Nutrition and Food Security, plus two anthropologists affiliated with Washington University in St. Louis. Parameters that might affect interpretation of metagenomic analyses of gut microbial community structure were noted including information about daily food preparation, food storage, personal hygiene, and childcare practices.

Characterizing the bacterial component of the gut microbiota by V4-16S rRNA sequencing

Fecal samples were frozen at -20°C within 30 min of their collection and subsequently stored at -80°C prior to extraction of DNA. DNA was isolated by beadbeating in phenol/chloroform, further purified (QIAquick column), quantified (Qubit) and subjected to PCR using primers directed at variable region 4 (V4) of bacterial 16S rRNA genes. Bacterial V4-16S rRNA datasets were generated by multiplex sequencing of amplicons prepared from 1897 fecal DNA samples (26,580±26,312 (mean ± SD) reads/sample paired end 162 or 250 nt reads; Illumina MiSeq platform; Extended Data Table 5). Reads from all runs were trimmed to 162 nt, processed using previously described custom scripts, and overlapped to 253 nt fragments spanning the entire amplicon[15]. 'Mock' communities, consisting of mixtures of DNAs isolated from 48 sequenced members of the human gut microbiota combined in one equivalent and two intentionally varied combinations, were included as internal controls in the Illumina MiSeq runs. Data from the mock communities were used for diversity and precisionsensitivity analyses employing methods described previously[15,23].

Reads with ≥97% nucleotide sequence identity (97% ID) across all studies were binned into operational taxonomic units (OTUs) using QIIME (v 1.5.0), and matched to entries in the Greengenes reference database (version 4feb2011)[24,25]. Reads that did not map to the Greengenes database were clustered *de novo* with UCLUST at 97% ID and retained in further analysis. A total of 1222 97% ID OTUs were found to be present at or above a level of confident detection (0.1% relative abundance) in at least two fecal samples from all studies. Taxonomy was assigned based on the naïve Bayesian RDP classifier version 2.4 using 0.8 as the minimum confidence threshold for assigning a level of taxonomic classification to each 97% ID OTU.

Defining maturation of the gut microbiota in healthy children using Random Forests

Random Forests regression was used to regress relative abundances of OTUs in the time-series profiling of the microbiota of healthy singletons against their chronologic age using default parameters of the R implementation of the algorithm [R package 'randomForest', ntree=10000, using default mtry of p/3 where p is the number of input 97% ID OTUs (features)][26]. The Random Forests algorithm, due to its nonparametric assumptions, was applied and used to detect both linear and non-linear relationships between OTUs and chronologic age, thereby identifying taxa that discriminate different periods of postnatal life in healthy children. A rarefied OTU table at 2000 sequences per sample served as input data. Ranked lists of taxa in order of Random Forests reported 'feature importance' were determined over 100 iterations of the algorithm. To estimate the minimal number of top ranking age-discriminatory taxa required for prediction, the rfcv function implemented in the 'randomForest' package was applied over 100 replicates. A sparse model consisting of the top 24 taxa was then trained on the training set of 12 healthy singletons (272 fecal samples). Without any further parameter optimization, this model was validated in other healthy children (13 singletons, 25 twins and triplets) and then applied to samples in children with SAM and MAM. A smoothing spline function was fit between microbiota age and chronologic age of the host (at the time of fecal sample collection) for healthy children in the validation sets to which the sparse model was applied.

Alpha diversity comparisons

Estimates of within-sample diversity were made at a rarefaction depth of 2000 reads per sample. A linear regression was fit between the Shannon diversity index (SDI) and postnatal age in the 50 healthy children using a mixed model (see 'Additional details regarding statistical methods', below). An estimate of the coefficient for the slope of SDI with age and intercept was extracted, residuals of this regression were defined as a ΔSDI metric, and associations of this metric with clinical parameters were tested in the cohort of healthy twins and triplets. To test for differences in SDI as a function of health status and chronologic age in malnourished children, we compared the distribution of age-adjusted ΔSDIs in children with SAM between treatment phases.

Detecting associations of bacterial taxa with nutritional status and other parameters

Relative abundances of 97%ID OTUs were used in linear mixed models as response variables to test for associations with clinical metadata as predictors. For each comparison, we restricted our analysis to 97%ID OTUs and bacterial families whose relative abundance values reached a level of confident detection (0.1%) in a minimum of 1% of samples in each comparison. Pseudocounts of 1 were added to 97%ID OTUs to account for variable depth of sequencing between samples, and relative abundances were arcsin-square root transformed to approximate homoscedasticity when applying linear models. P-values of associations of factors with the relative abundance of bacterial taxa were computed using ANOVA type III (tests of fixed effects), subjected to Benjamini-Hochberg false discovery rate (FDR) correction.

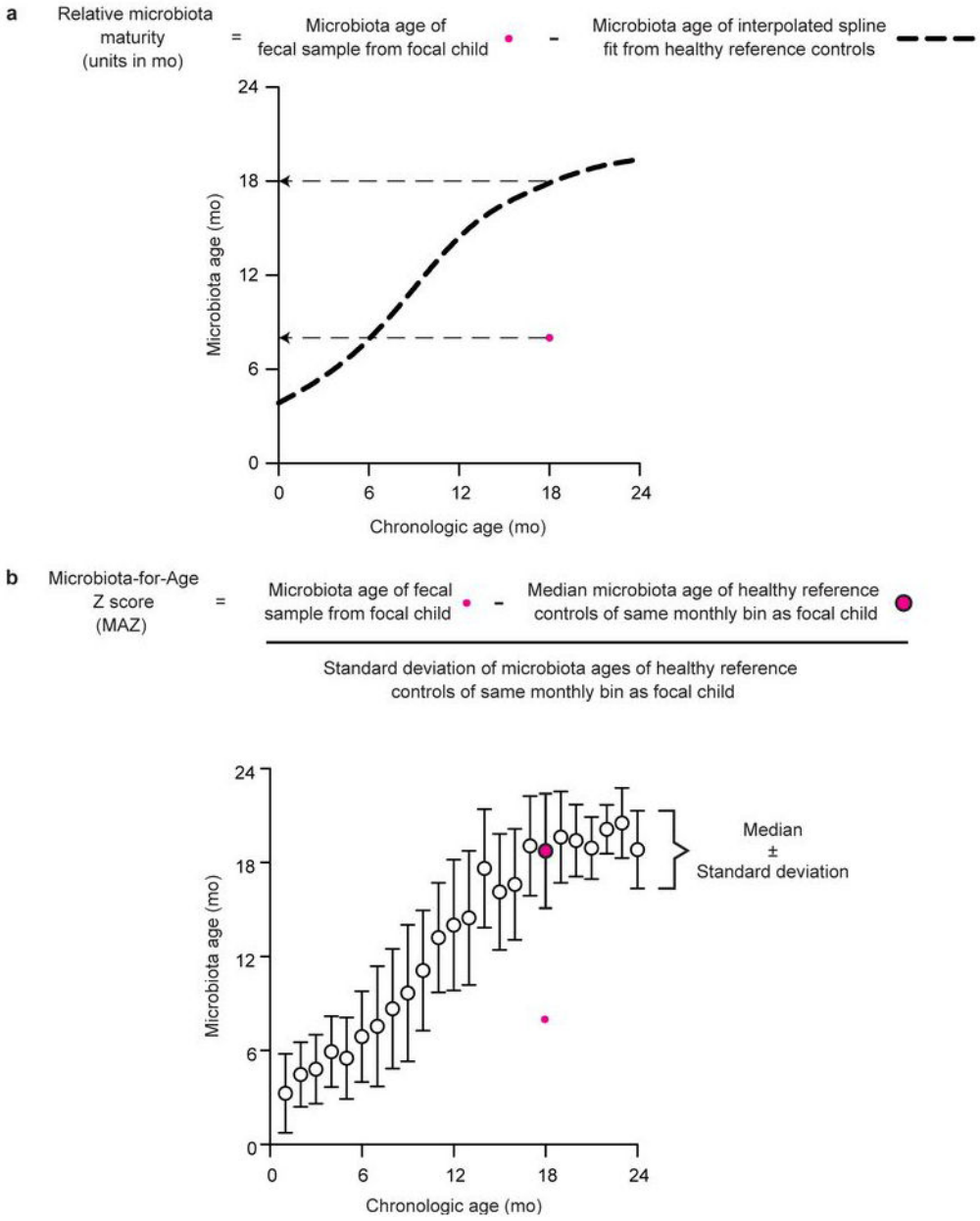
Enteropathogen testing

Clinical microscopy was performed for all fecal samples collected at monthly intervals from the singleton birth cohort and from healthy twins and triplets, and screened for *Entamoeba histolytica, Entamoeba dispar, Escherichia coli, Blastocystis hominis, Trichomonas hominis, Blastocystis hominis, Coccidian-like body* (CLB), *Giardia lamblia, Ascaris lumbricoides, Trichuris Tricuria, Ancylostoma duodenale/Necator americanus, Hymenolepsis nana, Endolimax nana, Iodamoeba butschlii* and *Chilomastix mesnili.* Analyses of the effect of 'enteropathogens detected by microscopy' on relative microbiota maturity, MAZ and Shannon Diversity Index were included in the analysis of multiple environmental factors referred to in Extended Data Fig. 2 and Extended Data Table 7. In cases where children presented with SAM plus diarrhea, fecal samples collected prior to nutritional rehabilitation were cultured for *Vibrio cholerae, Shigella flexneri, Shigella boydi, Shigella sonnei, Salmonella enterica, Aeromonas hydrophila* and *Hafnia alvae*. See Extended Data Table 10 and 19 for results of enteropathogen testing.

Additional details regarding statistical methods

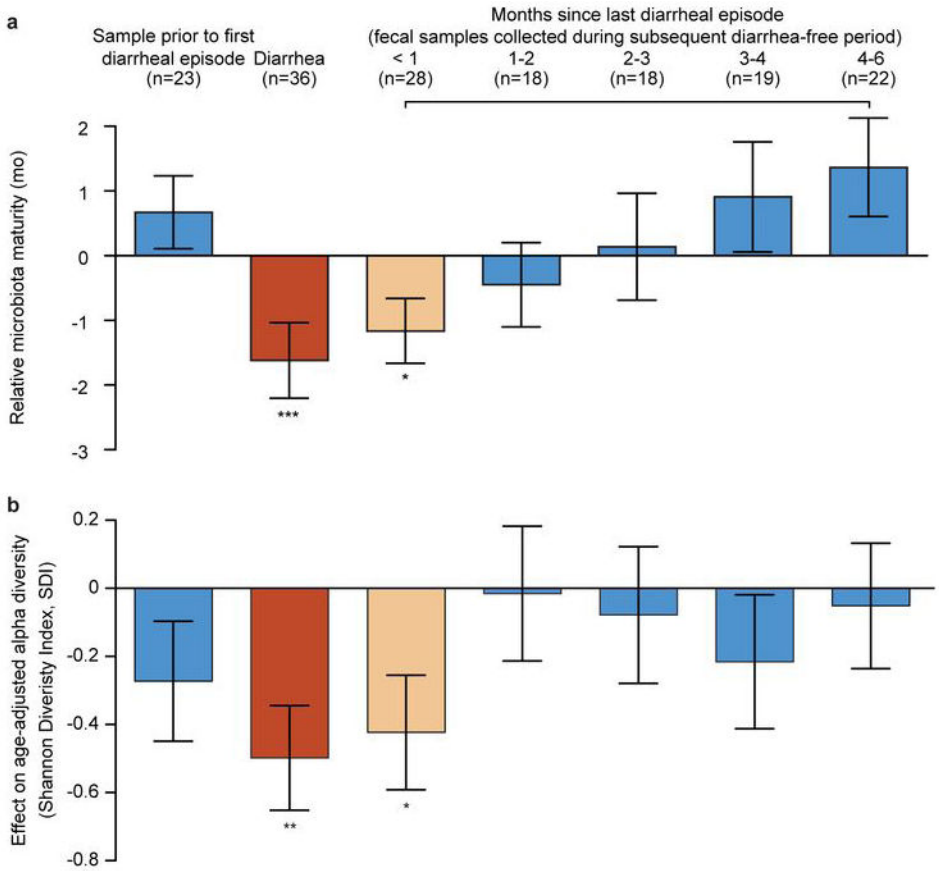
Linear mixed models were applied to test for associations of microbiota maturation metrics (relative microbiota maturity, MAZ and SDI) with genetic and environmental factors in twins and triplets. Log-likelihood ratio tests and F tests were used to perform backward elimination of nonsignificant random and fixed effects[27]. To compare relative microbiota maturity, MAZ and SDI were defined at different phases of treatment and at defined periods of followup (<1 month, 1-2, 3-4, and >4 months after completion of the RUTF or Khichuri-Halwa nutritional intervention) in children with SAM relative to healthy children. 'Treatment phase' was specified as a categorical multi-level factor in a univariate mixed model with random by-child intercepts. Dunnett's post-hoc comparison procedure was performed to compare each treatment phase relative to healthy controls and relative to samples collected at enrollment in each food intervention group.

Extended Data



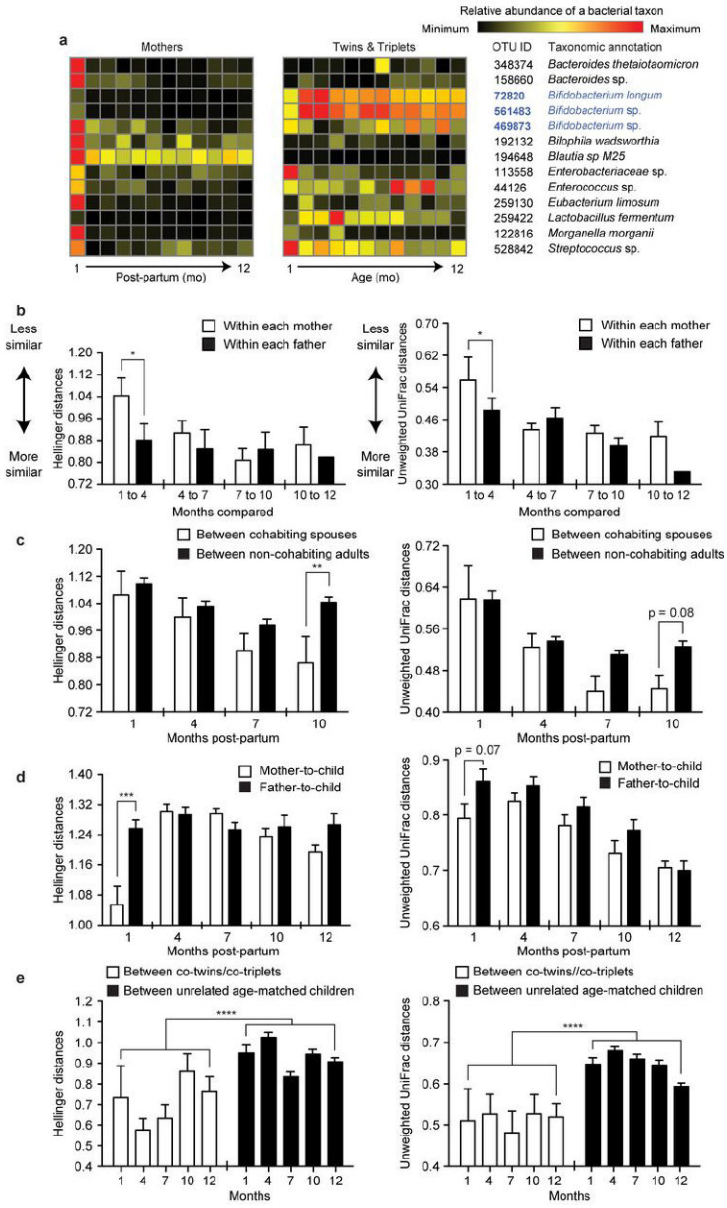
Extended Data Figure 1. Illustration of the equations used to calculate 'relative microbiota maturity' and 'Microbiota-for-Age Z score'

The procedure to calculate both microbiota maturation metrics are shown for a single fecal sample from a focal child (pink circle) relative to microbiota age values calculated in healthy reference controls. These reference values are computed in samples collected from children used to validate the Random-Forests-based sparse 24-taxa model and are shown in **a**, as a broken line of the interpolated spline fit (- - -) and in **b**, as median ± SD values for each monthly chronologic age bin from months 1 to 24.



Extended Data Figure 2. Transient microbiota immaturity and reduction in diversity associated with diarrhea in healthy twins and triplets

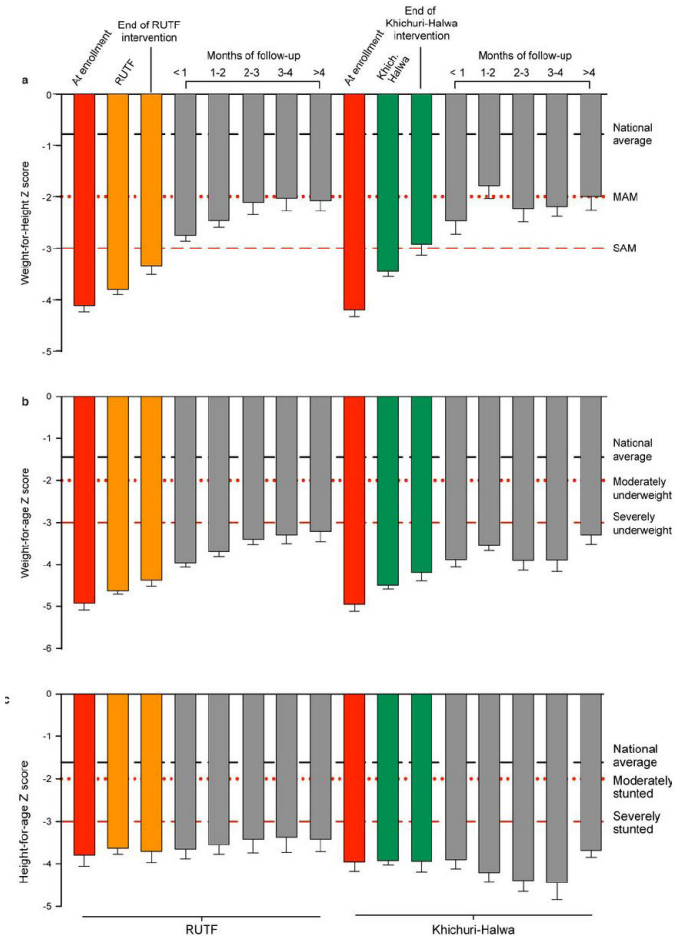
a, The transient effect of diarrhea in healthy children.Seventeen children from 10 families with healthy twins/triplets had a total of 36 diarrheal illnesses where fecal samples were collected. Fecal samples collected in the months immediately prior to and following diarrhea in these children were examined in an analysis that included multiple environmental factors in the 'healthy twins and triplets' birth cohort. Linear mixed models of these specified environmental factors indicated that 'diarrhea', 'month following diarrhea' and 'presence of formula in diet' have significant effects on relative microbiota maturity, accounting for random effects arising from within-family and within-child dependence in measurements of this maturity metric. The factors 'postnatal age', 'presence/absence of solid foods', 'exclusive breastfeeding', 'enteropathogen detected by microscopy', 'antibiotics' as well as 'other periods relative to diarrhea' had no significant effect. The numbers of fecal samples (n) are shown in parenthesis. Mean values ± SEM are plotted. **, $p<0.01$. See Extended Data Table 7 for the effects of dietary and environmental covariates. **b**, Effect of diarrhea and recovery on age-adjusted Shannon Diversity Index (SDI). Mean valuesof effect on SDI ± SEM are plotted. *, $p<0.05$; **, $p<0.01$.



Extended Data Figure 3. Microbiota variation in families with twins and triplets during the first year of life

a, Maternal influence. Heatmap of the mean relative abundances of 13 bacterial taxa (97% ID OTUs) found to be statistically significantly enriched in the first month post-partum in the fecal microbiota of mothers (see column marked '1') compared to microbiota sampled between the second and twelfth months post-partum (FDR-corrected $p<0.05$; ANOVA of linear mixed-effects model with random by-mother intercepts). An analogous heatmap of the relative abundance of these taxa in their twin/triplet offspring is shown. Three of these 97%ID OTUs are members of the top 24 age-discriminatory taxa (blue) and belong to the genus *Bifidobacterium*. **b-e**,comparisons of maternal, paternal and infant microbiota. Mean values±SEM of Hellinger and unweighted UniFrac distances between the fecal microbiota of family members sampled over time were computed. Samples obtained at postnatal

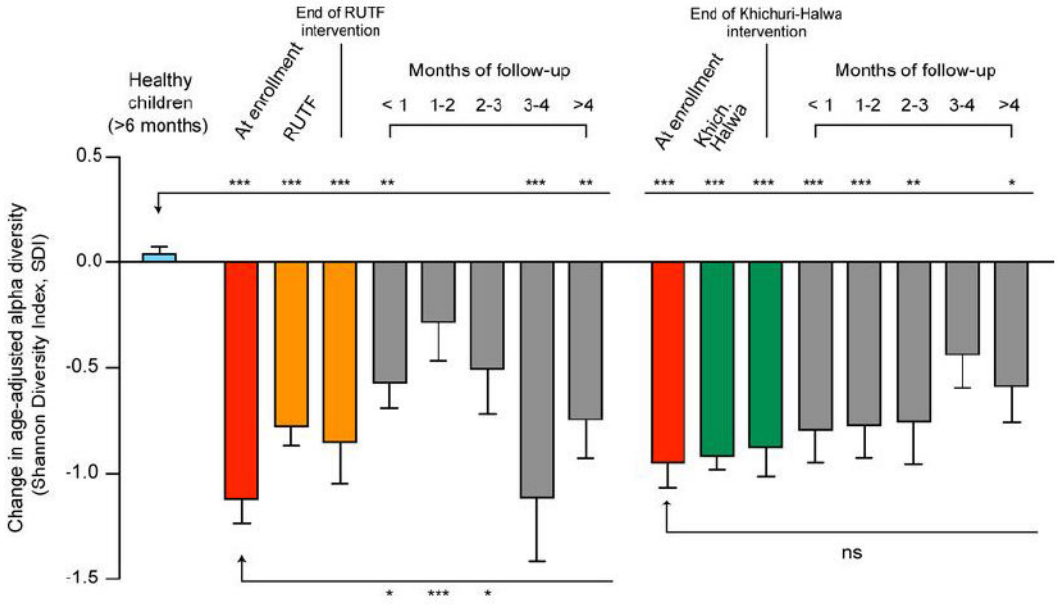
months 1, 4, 10 and 12 from twins/triplets, mothers and fathers were analyzed (n=12 fathers; 12 mothers; 25 children). **b**, Intrapersonal variation in the bacterial component of the maternal microbiota is greater between the first and fourth months after childbirth than variation in fathers. **c**,Distances between the fecal microbiota of spouses (each mother-father pair) compared to distances between all unrelated adults (male-female pairs). The microbial signature of co-habitation is only evident 10 months following childbirth. **d,e**,The degree of similarity between mother and infant during the first postpartum month is significantly greater than the similarity between microbiota of fathers and infants (panel c) while the fecal microbiota of co-twins are significantly more similar to one another than to age-matched unrelated children during the first year of life (panel d). For all distance analyses, Hellinger and unweighted UniFrac distance matrices were permuted 1,000 times between the groups tested. P-values represent the fraction of times permuted differences between tested groups were greater than real differences between groups. *, p<0.05; **, p<0.01; ***, p<0.001.



Extended Data Figure 4. Anthropometric measures of nutritional status in children with SAM before, during and after both randomized food interventions

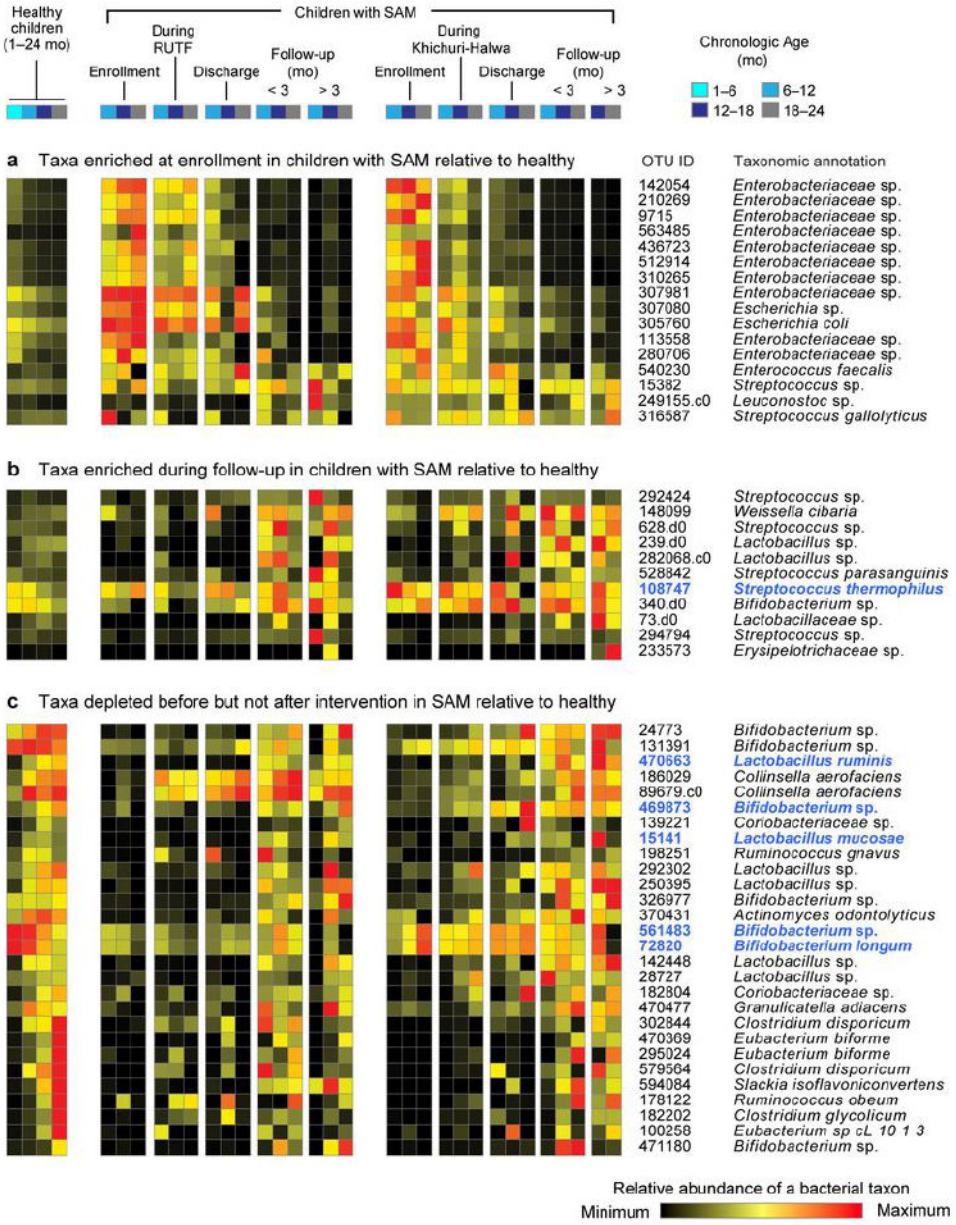
a-c, Weight-for-Height Z-scores (WHZ), Height-for-Age Z-scores (HAZ) and Weight-for-Age Z-scores (WAZ). Mean values ± SEM are plotted and referenced to national average

anthropometric values for children surveyed between the ages of 6 and 24 months during the 2011 Bangladeshi Demographic Health Survey (BDHS)[34].



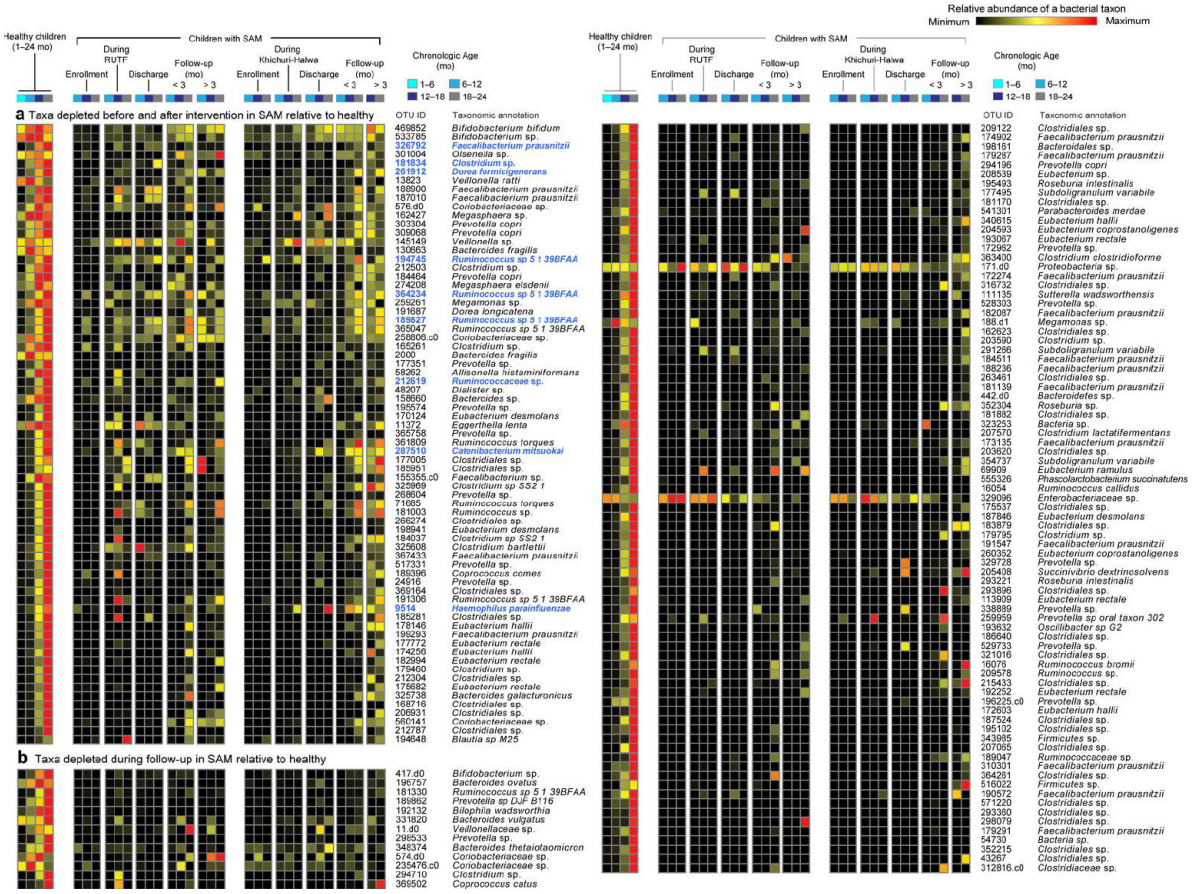
Extended Data Figure 5. Persistent reduction of diversity in the gut microbiota of children with SAM

Age-adjusted Shannon Diversity Index for fecal microbiota samples collected from healthy children (n=50), and from children with SAM at various phases of the clinical trial (mean values ± SEM are plotted). The significance of differences between SDI at various stages of the clinical trial is indicated relative to healthy controls (above the bars) and versus the time of enrollment prior to treatment (below the bars). *, $p<0.05$; **, $p<0.01$, ***, $p<0.001$ (post-hoc Dunnett's multiple comparison procedure of linear mixed models). Also see Extended Data Table 14.



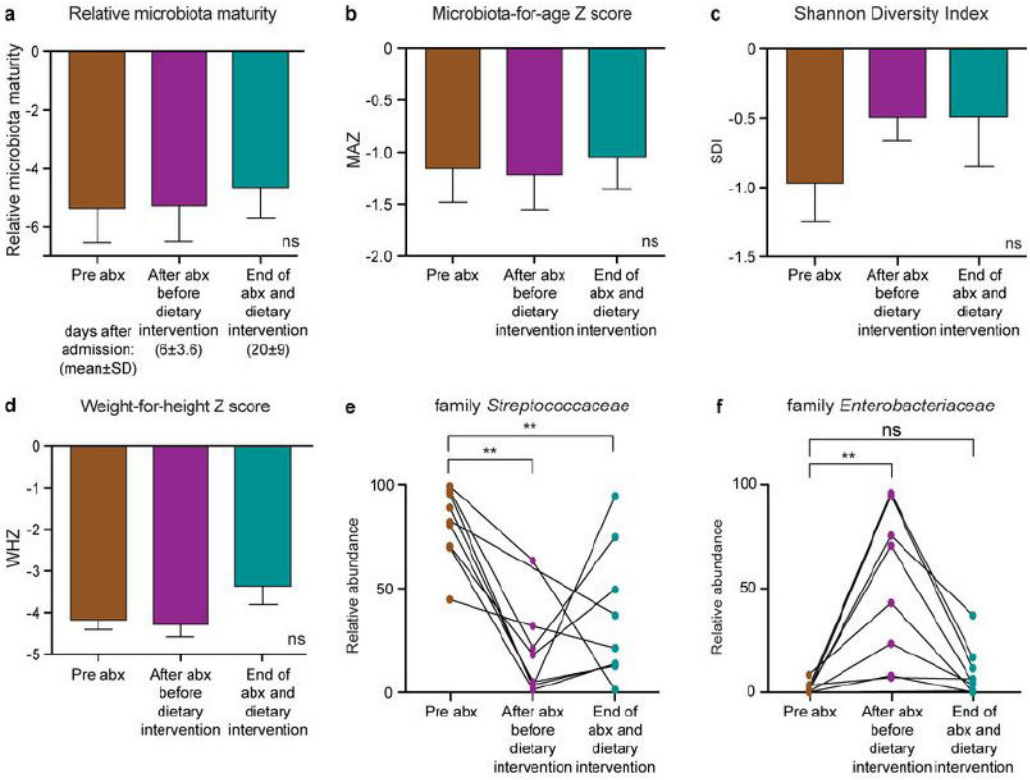
Extended Data Figure 6. Heatmap of bacterial taxa significantly altered during the acute phase of treatment and nutritional rehabilitation in the microbiota of children with SAM compared to similarly aged healthy children

Bacterial taxa (97%ID OTUs) significantly altered (FDR-corrected p-value <0.05) in children with SAM are shown (see Extended Data Table 15 for p-values and effect size for individual taxa). Three groups of bacterial taxa are shown: **a**, those enriched prior to the food intervention; **b**, those enriched during the follow-up phase compared to healthy controls; and **c**,those that are initially depleted but return to healthy levels. Members of the top 24 age-discriminatory taxa are highlighted in blue. Note that there were no children represented in the Khichuri-Halwa arm under the age of 12 months during the ‘Follow-up after 3 months’ period.



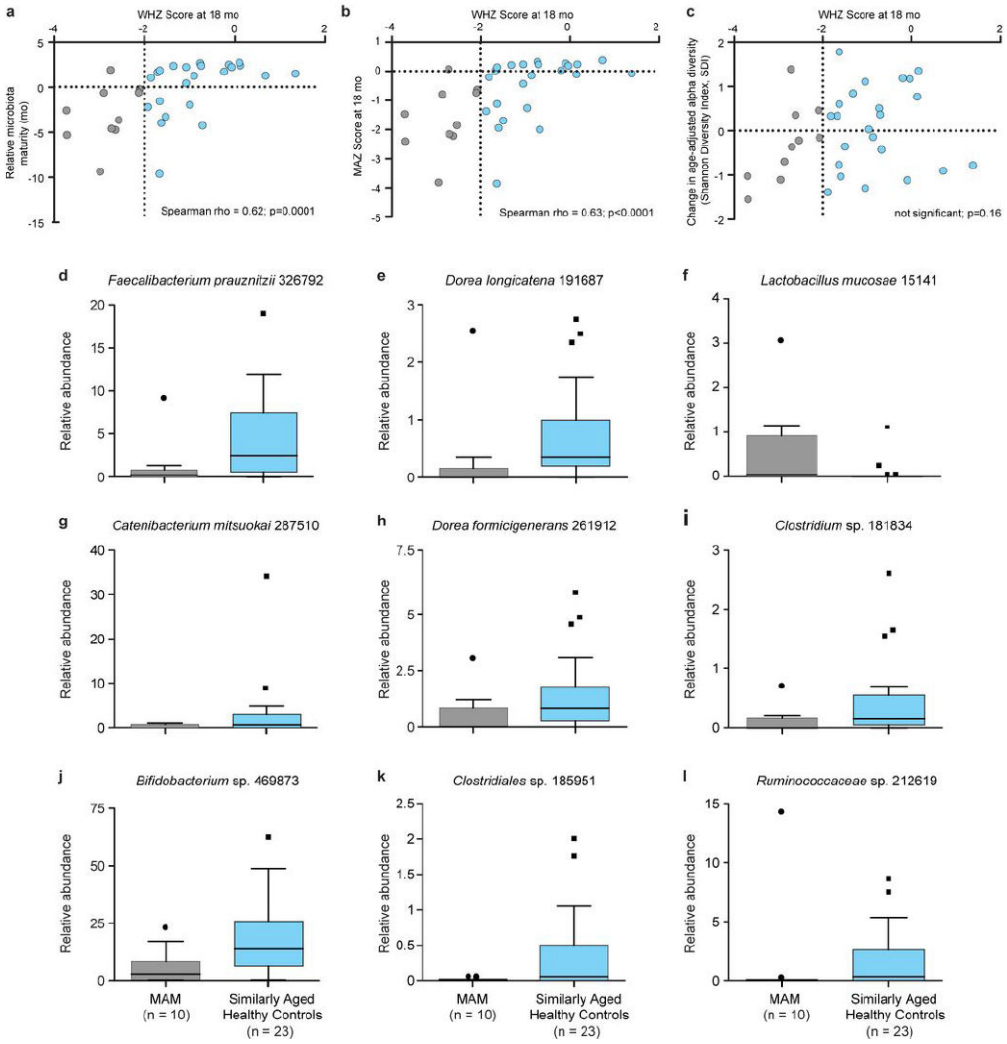
Extended Data Figure 7. Heatmap of bacterial taxa altered during long-term follow-up in the fecal microbiota of children with SAM compared to similarly aged healthy children

Bacterial taxa (97% ID OTUs) significantly altered (FDR-corrected p-value <0.05) in children with SAM are shown (see Extended Data Table 15 for p-values and effect size for individual taxa). **a**,Taxa depleted across all phases of SAM relative to healthy. **b**,Those depleted during the follow-up phase. Members of the top 24 age-discriminatory taxa are highlighted in blue. Note that there were no children represented in the Khichuri-Halwa arm under the age of 12 months during the 'Follow-up after 3 months' period.



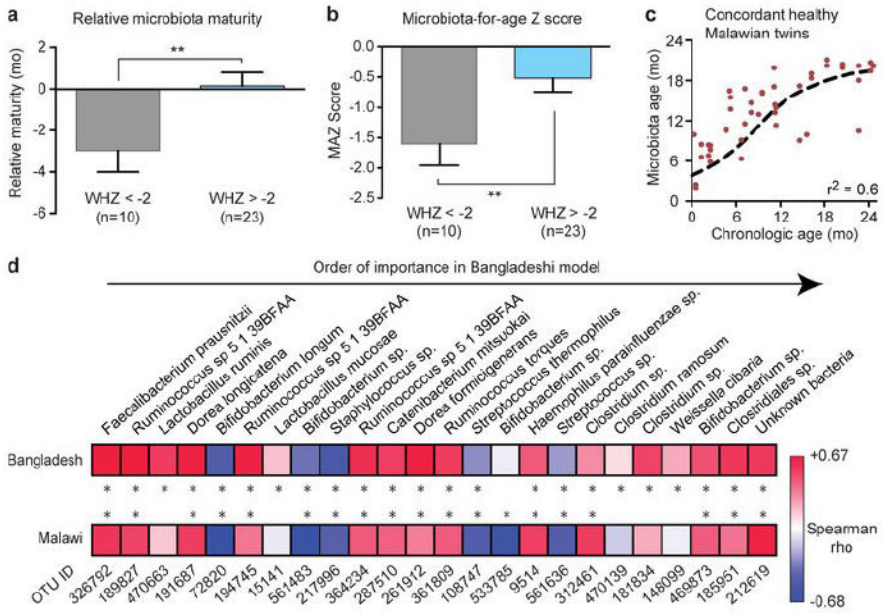
Extended Data Figure 8. Effects of antibiotics on the microbiota of children with SAM

Plots of microbiota and anthropometric parameters in nine children sampled before antibiotics (abx), after oral amoxicillin plus parenteral gentamicin/ampicillin, and at the end of the antibiotic and dietary interventions administered over the course of nutritional rehabilitation in the hospital. All comparisons were made relative to the pre-antibiotic sample using the non-parametric Wilcoxon matched-pairs rank test, where each child served as his/her own control. **a-c**, Microbiota parameters,plotted as mean values ± SEM, include relative microbiota maturity, Microbiota-for-age Z score (MAZ), and Shannon Diversity Index (SDI). Weight-for-Height Z scores (WHZ) are provided in panel d. **e,f**, The two predominant bacterial family-level taxa showing significant changes following antibiotic treatment. ns, not significant; **, $p<0.01$



Extended Data Figure 9. Relative microbiota maturity and MAZ scores correlate with Weight-for-Height Z-scores (WHZ) in children with MAM

a-c, WHZ scores are significantly inversely correlated with relative microbiota maturity (panel a) and MAZ scores (panel b) in a cross-sectional analysis of 33 children at 18 months of age who were above and below the anthropometric threshold for MAM (Spearman rho = 0.62 and 0.63, respectively; ***, $p < 0.001$). In contrast, there is no significant correlation between WHZ scores and microbiota diversity (panel c).**d-l**, Relative abundances of age-discriminatory 97% ID OTUs that are inputs to the Random Forests model that are significantly different in the fecal microbiota of children with MAM compared to age-matched 18-month old healthy controls ($p<0.05$ Mann-Whitney U-test). Box plots represent the upper and lower quartiles (boxes), the median (middle horizontal line),and measurements that are beyond 1.5 times the interquartile range (whiskers), above or below the $75^{th}/25^{th}$ percentile, respectively (points) (Tukey's method, PRISM software v6.0d).Taxa are presented in descending order of their importance to the Random Forests model. Also see Extended Data Figure 10a,b.



Extended Data Figure 10. Cross-sectional assessment of microbiota maturity at 18 months of age in Bangladeshi children with and without MAM plus extension of Bangladeshi-based model of microbiota maturity to Malawi

a,b, Children with MAM (WHZ scores lower than -2 SD; grey) have significantly lower relative microbiota maturity (panel a) and MAZ scores (panel b) than healthy individuals (blue). Mean values ± SEM are plotted *, $p<0.05$ (Mann-Whitney U test). See Extended Data Fig. 9 for correlations of metrics of microbiota maturation with WHZ scores box-plots of age-discriminatory taxa whose relative abundances are significantly different in children with MAM relative to healthy reference controls. **c**, Microbiota age predictions resulting from application of the Bangladeshi 24-taxon model to 47 fecal samples (brown circles) obtained from concordant healthy Malawian twins and triplets are plotted versus the chronologic age of the Malawian donor (collection occurred in individuals ranging from 0.4 to 25.1 months old). The results show the Bangladeshi model generalizes to this population, which is also at high risk for malnutrition (each circle represents an individual fecal sample collected during the course of a previous study[11]). **d**, Spearman rho and significance of rank order correlations between the relative abundances of Bangladeshi-age discriminatory taxa and chronologic age of all healthy Bangladeshi children described in present study and the concordant healthy Malawian twins and triplets. *, $p<0.05$.

Table ED4

Characteristics of children in training and validation sets used for Random Forests age-discriminatory model

(a) Training Set	
Characteristics	**Training**
Weight-for-Height Z score	-0.32 ± 1
Male / Female	7 / 5

(a) Training Set

Characteristics	Training
Number of fecal samples collected per child	22.7 ± 1.5
Age at first fecal sample collection (days)	6 ± 1
Age at last fecal sample collection (days)	712 ± 15
Mean sampling interval (days)	33 ± 3.0
Months of exclusive breastfeeding	3.2 ± 2.3
Age of first introduction of solid food (months)	6.3 ± 2.3
Number of diarrheal episodes per year	4.0 ± 1.9
% Days with diarrhea during sampling period	3.9 ± 1.7
Fraction within prior 7 days	0.2 ± 0.1

(b) Validation

Characteristics	Validation
Weight-for-Height Z score	-0.44 ± 0.8
Male / Female	9 / 4
Number of fecal samples collected per child	21.2 ± 2.2
Age at first fecal sample collection (days)	7 ± 4
Age at last fecal sample collection (days)	709 ± 9
Mean sampling interval (days)	35.1 ± 4.3
Months of exclusive breastfeeding	3.6 ± 2.3
Age of first introduction of solid food (months)	6.4 ± 6.4
Number of diarrheal episodes per year	4.6 ± 2.4
% Days with diarrhea during sampling period	4.3 ± 2.7
Fraction of samples collected where antibiotics had been consumed within prior 7 days	0.2 ± 0.2

(c) Validation - Twins & Triplets

Characteristics	Validation - Twins & Triplets
Weight-for-Height Z score	-0.46 ± 0.7
Male / Female	7 / 18
Number of fecal samples collected per child	17.9 ± 5.3
Age at first fecal sample collection (days)	13 ± 12
Age at last fecal sample collection (days)	497 ± 147
Mean sampling interval (days)	29 ± 3.1
Months of exclusive breastfeeding	0.7 ± 2.3
Age of first introduction of solid food (months)	7.0 ± 1.9
Number of diarrheal episodes per year	1.7 ± 1.3
% Days with diarrhea during sampling period	2.2 ± 2.6
Fraction of samples collected where antibiotics had been consumed within prior 7 days	0.1 ± 0.1

Mean values ± SD are shown

Table ED5

Bacterial V4-16S rRNA sequencing statistics

Study Subjects	V4-16S rRNA reads per sample (mean ± SD)	Number of fecal samples	Total number of high quality reads
50 Healthy Children (Singletons, Twins and Triplets)	25,288 ± 13,990	996	25,187,256
Mothers & Fathers	20,233 ± 7,120	243	4,916,630
Severe Acute Malnutrition Randomized Clinical Trial	21,545 ± 15,731	589	12,689,785
Moderate Acute Malnutrition Cross-Sectional Analysis	22,964 ± 8,713	22	505,207
Concordant Healthy Malawian Twins and Triplets	151,578 ± 65,521	47	7,124,158
		1897	50,423,036

Table ED7

Associations between relative microbiota maturity, Microbiota-for-Age Z-score and age-adjusted Shannon Diversity Index (SDI) with clinical and dietary parameters in the healthy twins and triplets birth cohort

(a) Relative microbiota maturity

Factor	Effect size on relative microbiota maturity	Standard Error	p-value
Diarrhea	-1.98	0.51	0.0001
Month following Diarrhea	-1.55	0.56	0.01
Formula	+0.75	0.34	0.03
Antibiotics	-0.42	0.39	0.27
Chronologic Age (months)	-0.05	0.02	0.06
	Log-likelihood ratio	**Degrees of Freedom**	**p-value**
random by-family intercepts	102.1	1	p<0.0001
nested random by-child intercepts within family-intercepts	3.29E-07	1	0.9995

(b) MAZ score

Factor	Effect size on MAZ	Standard Error	p-value
Diarrhea	-0.60	0.16	0.0002
Month following Diarrhea	-0.42	0.18	0.02
Formula	+0.22	0.11	0.04
Antibiotics	-0.08	0.12	0.52
Chronologic Age (months)	-0.04	0.01	<0.001
	Log-likelihood ratio	**Degrees of Freedom**	**p-value**

(a) Relative microbiota maturity

Factor	Effect size on relative microbiota maturity	Standard Error	p-value
random by-family intercepts	102.1	1	<0.0001
nested random by-child intercepts within family-intercepts	3.29E-07	1	0.9995

(c) Age-adjusted Shannon Diversity Index

Factor	Effect size on ΔSDI:	Standard Error	p-value
Diarrhea	-0.44	0.15	0.0028
Month following Diarrhea	-0.37	0.16	0.0247
Formula	+0.11	0.10	0.2796
Antibiotics	-0.08	0.11	0.3987
Chronologic Age (months)	+0.01	0.01	0.296
	Log-likelihood ratio	**Degrees of Freedom**	**p-value**
random by-family intercepts	53.8	1	<.0001
nested random by-child intercepts within family-intercepts	1.31	1	0.2515

Table ED12

Contingency tables relating gender and antibiotics to food-intervention arms in the SAM trial

(a) 'Gender by Food-intervention'

Gender	RUTF	Khichuri-Halwa	Total	p value
Male	24	21	45	
Female	8	11	19	
Total	32	32	64	0.59

(b) 'Antibiotics by Food-intervention' during nutritional rehabilitation

Antibiotics	RUTF	Khichuri-Halwa	Total	p value
Yes	84	79	163	
No	55	90	145	
Total	139	169	308	0.02

(c) 'Antibiotics by Food-intervention' during the post-intervention follow-up period

Antibiotics	RUTF	Khichuri-Halwa	Total	p value
Yes	22	23	45	
No	78	80	158	
Total	100	103	203	1

Fisher's Exact test (two-sided) p-value are presented

Table ED13

Ingredients of foods used during nutritional rehabilitation of children with SAM

(a) Khichuri

Ingredient	Amount in 1 kg khichuri
Rice	120 g
Lentils (*mashur dal*)	60 g
Oil (soya)	70 ml
Potato	100 g
Pumpkin	100 g
Leafy vegetable (*shak*)	80 g
Onion (2 medium size)	50 g
Spices (ginger, garlic, turmeric and coriander powder)	50 g
Water	1000 ml
Total energy/kg	1,442 kcal
Total protein/kg	29.6 g

(b) Halwa

Ingredient	Amount in 1 kg halwa
Wheat flour (*atta*)	200 g
Lentils (*mashur dal*)	100 g
Oil (soya)	100 ml
Molasses (brown sugar or *gur*)	125 g
Water (to make a thick paste)	600 ml
Total energy/kg	2,404 kcal
Total protein/kg	50.5 g

(c) Milk suji & Milk suji '100'

Ingredient	Amount in 1 L Milk Suji	Amount in 1L Milk Suji '100'
Whole milk powder (g)	40	80
Rice powder (g)	40	50
Sugar (g)	25	50
Soya oil (g)	25	25
$MgCl_2$ (g)	0.5	0.5
KCl (g)	1	1
Calcium lactate/ calcium carbonate (g)	2	2
Total energy/L	670 kcal	1000 kcal
Total protein/L	14 g	26 g

(d) RUTF (Plumpy Nut)[1]

Ingredient	Amount in 1 kg RUTF

Skimmed milk powder	300 g
Sugar	280 g
Vegetable oil	154 g
Peanut paste	250 g
Mineral vitamin mix	16g
Total energy/kg	5300 – 5450 kcal
Total protein/kg	136g

[1] Formulation complies with the WHO macro- and micronutrient profile requirements for RUTF.

Table ED14

Relative microbiota maturity, Microbiota-for-Age Z-score and Age-adjusted Shannon Diversity Index comparisons in each treatment phase of each intervention arm in the SAM trial (compared to healthy controls and to values at enrollment)

(a) Effect size and significance of differences in microbiota maturation metrics between each treatment phase relative to healthy children

Relative microbiota maturity	Intervention Arm	Estimate	Std. Error	p value
Enrollment	RUTF	-5.62	0.78	<0.001
During		-5.09	0.68	<0.001
End of Intervention		-4.75	0.82	<0.001
< 1 month		-2.85	0.83	<0.01
1 - 2 months		-2.19	0.87	0.07
2 - 3 months		-0.31	1.03	1.00
3 - 4 months		-1.96	1.11	0.35
> 4 months		-3.43	0.96	<0.01
Enrollment	Khichuri-Halwa	-6.55	0.67	<0.001
During		-5.88	0.53	<0.001
End of Intervention		-5.63	0.72	<0.001
< 1 month		-3.98	0.74	<0.001
1 - 2 months		-1.72	0.79	0.18
2 - 3 months		-2.67	0.89	0.02
3 - 4 months		-1.58	1.05	0.59
> 4 months		-2.29	0.82	0.04
Microbiota-for-Age Z-score	**Intervention Arm**	**Estimate**	**Std. Error**	**p value**
Enrollment	RUTF	-1.63	0.26	<0.001
During		-1.49	0.23	<0.001
End of Intervention		-1.39	0.27	<0.001
< 1 month		-0.84	0.27	0.01
1 - 2 months		-0.75	0.28	0.04
2 - 3 months		-0.42	0.33	0.68
3 - 4 months		-0.73	0.35	0.19
> 4 months		-1.43	0.31	<0.001

(a) Effect size and significance of differences in microbiota maturation metrics between each treatment phase relative to healthy children

Relative microbiota maturity	Intervention Arm	Estimate	Std. Error	p value
Enrollment	Khichuri-Halwa	-1.80	0.23	<0.001
During		-1.68	0.19	<0.001
End of Intervention		-1.66	0.24	<0.001
< 1 month		-1.30	0.25	<0.001
1 - 2 months		-0.69	0.26	0.06
2 - 3 months		-1.05	0.29	<0.01
3 - 4 months		-0.56	0.34	0.46
> 4 months		-0.96	0.27	<0.01
Age-Adjusted Shannon Diversity Index	**Intervention Arm**	**Estimate**	**Std. Error**	**p value**
Enrollment	RUTF	-1.18	0.16	<0.001
During		-0.82	0.12	<0.001
End of Intervention		-0.89	0.17	<0.001
< 1 month		-0.56	0.18	0.01
1 - 2 months		-0.30	0.19	0.55
2 - 3 months		-0.46	0.24	0.32
3 - 4 months		-1.18	0.26	<0.001
> 4 months		-0.79	0.22	<0.01
Enrollment	Khichuri-Halwa	-1.03	0.15	<0.001
During		-0.95	0.11	<0.001
End of Intervention		-0.90	0.16	<0.001
< 1 month		-0.83	0.17	<0.001
1 - 2 months		-0.89	0.18	<0.001
2 - 3 months		-0.73	0.21	<0.01
3 - 4 months		-0.41	0.25	0.54
> 4 months		-0.58	0.19	0.02

(b) Effect size and significance of differences in microbiota maturation metrics between each treatment phase relative to enrollment

Relative microbiota maturity	Intervention Arm	Estimate	Std. Error	p value
During	RUTF	0.53	0.57	0.93
End of Intervention		0.87	0.73	0.80
< 1 month		2.77	0.74	<0.01
1 - 2 months		3.44	0.78	<0.001
2 - 3 months		5.31	0.96	<0.001
3 - 4 months		3.67	1.05	<0.01
> 4 months		2.20	0.88	0.08
During	Khichuri-Halwa	6.55	0.67	<0.001
End of Intervention		0.67	0.56	0.79

(a) Effect size and significance of differences in microbiota maturation metrics between each treatment phase relative to healthy children

Relative microbiota maturity	Intervention Arm	Estimate	Std. Error	p value
< 1 month		0.92	0.74	0.76
1 - 2 months		2.58	0.76	<0.01
2 - 3 months		4.83	0.81	<0.001
3 - 4 months		3.88	0.91	<0.001
> 4 months		4.97	1.07	<0.001
Microbiota-for-Age Z-score	**Intervention Arm**	**Estimate**	**Std. Error**	**p value**
During		0.13	0.17	0.98
End of Intervention		0.24	0.22	0.88
< 1 month		0.79	0.23	<0.01
1 - 2 months	RUTF	0.88	0.24	<0.01
2 - 3 months		1.21	0.30	<0.001
3 - 4 months		0.90	0.32	0.036
> 4 months		0.20	0.27	0.98
During		0.12	0.17	0.99
End of Intervention		0.14	0.23	0.99
< 1 month		0.50	0.24	0.20
1 - 2 months	Khichuri-Halwa	1.11	0.25	<0.001
2 - 3 months		0.75	0.28	0.05
3 - 4 months		1.24	0.33	0.001
> 4 months		0.84	0.26	0.01
Age- adjusted Shannon Diversity Index	**Intervention Arm**	**Estimate**	**Std. Error**	**p value**
During		0.36	0.15	0.11
End of Intervention		0.29	0.19	0.56
< 1 month		0.62	0.20	0.01
1 - 2 months	RUTF	0.88	0.21	<0.001
2 - 3 months		0.72	0.26	0.03
3 - 4 months		0.00	0.28	1.00
> 4 months		0.39	0.23	0.46
During		0.07	0.14	1.00
End of Intervention		0.12	0.18	0.99
< 1 month		0.19	0.19	0.89
1 - 2 months	Khichuri-Halwa	0.13	0.20	0.99
2 - 3 months		0.30	0.23	0.70
3 - 4 months		0.62	0.27	0.12
> 4 months		0.45	0.21	0.18

Estimates of beta coefficients, standard error and p-values from Dunnett's post-hoc comparisons between treatment phases for each intervention arm of linear mixed models with random by-child intercepts

Samples associated with diarrhea in healthy reference controls were not considered as suitable controls and excluded from comparisons

Table ED16

Relative microbiota maturity, Microbiota-for-Age Z-score and age-adjusted Shannon Diversity Index in relation to antibiotic usage and diarrhea during the post-intervention follow-up period

Relative microbiota maturity	Intervention Arm	Estimate	Std. Error	p value
Antibiotics	RUTF	-0.37	0.81	0.65
Diarrhea		-0.92	2.03	0.65
Chronologic Age		-0.18	0.12	0.13
Antibiotics	Khichuri-Halwa	0.17	0.92	0.85
Diarrhea		0.31	1.57	0.84
Chronologic Age		0.11	0.13	0.41
Microbiota-for-Age Z score	**Intervention Arm**	**Estimate**	**Std. Error**	**p value**
Antibiotics	RUTF	0.15	0.31	0.64
Diarrhea		0.27	0.53	0.61
Chronologic Age		-0.03	0.04	0.43
Antibiotics	Khichuri-Halwa	0.07	0.25	0.77
Diarrhea		-0.42	0.61	0.49
Chronologic Age		-0.12	0.03	<0.001
Age-adjusted Shannon Diversity Index	**Intervention Arm**	**Estimate**	**Std. Error**	**p value**
Antibiotics	RUTF	0.02	0.22	0.91
Diarrhea		0.07	0.47	0.88
Chronologic Age		-0.05	0.02	0.03
Antibiotics	Khichuri-Halwa	-0.32	0.19	0.09
Diarrhea		-0.49	0.32	0.13
Chronologic Age		0.00	0.02	0.89

Estimates of beta coefficients, standard error and p-values from linear mixed models with random by-child intercepts and chronologic age as a fixed effect covariate for each intervention arm

Table ED18

Metadata associated with individual fecal samples from concordant healthy Malawian twins and triplets

Family ID	Child ID	Fecal Sample ID	Age, months	WHZ	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
h208	h208A	h208A.1	0.4	-1.73	133,515	Malawi89	GTCTCATGTAGG
h301	h301A	h301A.1	0.6	0.2	101,465	Malawi89	GTAGCTGACGCA
h301	h301B	h301B.1	0.6	-0.33	135,737	Malawi89	GTCGACTCCTCT

Family ID	Child ID	Fecal Sample ID	Age, months	WHZ	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
h257	h257A	h257A.1	2.3	-0.62	117,949	Malawi89	GTGTCTACATTG
h257	h257B	h257B.1	2.3	0.47	121,595	Malawi89	TACACGATCTAC
h181	h181A	h181A.1	2.6	0.36	221,464	Malawi7	TAACTCTGATGC
h181	h181B	h181B.1	2.6	-0.25	229,814	Malawi7	TACTAATCTGCG
h181	h181C	h181C.1	2.6	-0.99	216,056	Malawi7	TAGCCTCTCTGC
h259	h259A	h259A.2	3.2	1.86	197,189	Malawi7	GGCAGTGTATCG
h259	h259B	h259B.2	3.2	1.53	200,122	Malawi7	GTAGAGCTGTTC
h305	h305B	h305B.2	4.7	-1	131,898	Malawi89	GTGTGTGTCAGG
h305	h305C	h305C.2	4.7	-0.42	111,403	Malawi89	TACAGTCTCATG
h121	h121B	h121B.1	5.2	2.58	122,051	Malawi89	TAGCACACCTAT
h165	h165A	h165A.1	5.3	-0.58	230,639	Malawi7	TAGCGACATCTG
h165	h165B	h165B.1	5.3	-0.38	236,422	Malawi7	GGACGTCACAGT
h209	h209A	h209A.2	6.8	-0.18	101,469	Malawi89	TACACACATGGC
h209	h209B	h209B.2	6.8	-0.83	80,917	Malawi89	TACTGCGACAGT
h47	h47A	h47A.1	7.2	-0.93	64,752	Malawi6	GTCGCTGTCTTC
h47	h47B	h47B.1	7.2	-2.26	99,204	Malawi7	GTGAGGTCGCTA
h235	h235A	h235A.1	8.0	-1.09	118,988	Malawi89	GTCAACGCGATG
h235	h235B	h235B.1	8.0	-0.31	108,240	Malawi89	GTCTCTCTACGC
h128	h128A	h128A.1	9.1	-1.31	177,426	Malawi7	GGTGCGTGTATG
h264	h264A	h264A.2	9.6	0.01	122,455	Malawi89	GGCTATGACATC
h264	h264B	h264B.2	9.6	-0.33	246,575	Malawi7	GTCTGACAGTTG
h273	h273A	h273A.2	11.1	0.48	245,101	Malawi7	TACAGATGGCTC
h273	h273B	h273B.2	11.1	0.81	245,319	Malawi7	TACTTACTGCAG
h37	h37A	h37A.1	11.2	-1.07	141,448	Malawi89	GTTCGCGTATAG
h37	h37B	h37B.1	11.2	-0.27	142,827	Malawi89	TACGATGACCAC
h279	h279A	h279A.2	11.4	0.96	106,307	Malawi89	GGCGACATGTAC
h279	h279B	h279B.2	11.4	-1.01	110,396	Malawi89	GTAGATGCTTCG
h144	h144A	h144A.1	14.6	-0.74	230,465	Malawi7	GCTTCATAGTGT
h144	h144B	h144B.1	14.6	-1.96	289,895	Malawi7	GTACAAGAGTGA
h10	h10A	h10A.1	16.1	-0.32	130,876	Malawi89	GTTAGAGCACTC
h18	h18A	h18A.4	16.2	0.51	76,375	Malawi6	GCTGTAGTATGC
h18	h18B	h18B.4	16.2	0.08	70,390	Malawi6	GGTCACTGACAG
h68	h68A	h68A.4	20.4	-0.09	267,547	Malawi3	GCTTGCGAGACA
h68	h68B	h68B.4	20.4	0	70,403	Malawi3	GTACGGCATACG
h35	h35A	h35A.3	22.7	-2.16	46,022	Malawi6	GTAGTGTCTAGC
h78	h78A	h78A.4	22.7	-0.7	241,999	Malawi3	GTCTATCGGAGT
h78	h78B	h78B.4	22.7	0.95	216,988	Malawi3	GTGGCGATACAC
h186	h186A	h186A.1	24.2	0.09	120,553	Malawi89	GTAGCAACGTCT
h186	h186B	h186B.1	24.2	1.36	62,791	Malawi7	GTACGGCATACG

Family ID	Child ID	Fecal Sample ID	Age, months	WHZ	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
h186	h186C	h186C.1	24.2	-0.07	121,883	Malawi89	GTCATTCACGAG
h60	h60A	h60A.2	24.5	0.04	232,045	Malawi7	TAGATCCTCGAT
h60	h60B	h60B.2	24.5	-0.29	93,313	Malawi89	GCTGTGTAGGAC
h101	h101A	h101A.3	25.1	-0.55	111,821	Malawi89	GTCGTAGCCAGA
h101	h101B	h101B.3	25.1	-0.16	122,049	Malawi89	GTGATAGTGCCG

Supplementary Material

Refer to Web version on PubMed Central for supplementary material.

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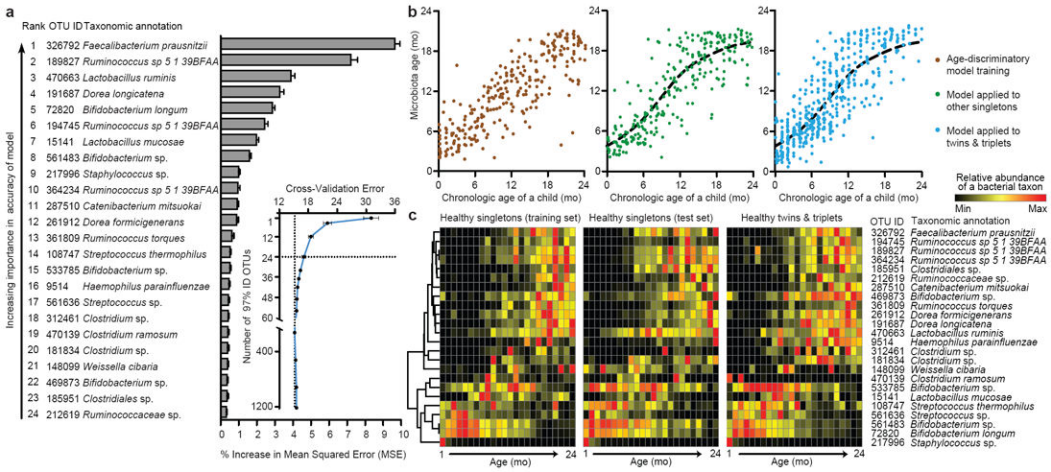

Figure 1. Bacterial taxonomic biomarkers for defining gut microbiota maturation in healthy Bangladeshi children during the first two years of life

a, Twenty-four age-discriminatory bacterial taxa were identified by applying Random Forests regression of their relative abundances in fecal samples against chronologic age in 12 healthy children (n=272 fecal samples). 97%ID OTUs with their deepest level of confident taxonomic annotation (also see Extended Data Table 6) are shown, ranked in descending order of their importance to the accuracy of the model. Importance was determined based on the percentage increase in mean-squared error of microbiota age prediction when the relative abundance values of each taxon were randomly permuted (Mean importance ± SD, n=100 replicates). The insert shows 10-fold cross-validation error as a function of the number of input 97%ID OTUs used to regress against chronologic age of hosts used in the training set, in order of variable importance (blue line). **b**, Microbiota age predictions in a birth cohort of healthy singletons used to train the 24 bacterial taxa model (brown, each circle represents an individual fecal sample). The trained model was subsequently applied to two sets of healthy children: 13 singletons set aside for model testing (green circles, n=276 fecal samples) and another birth cohort of 25 twins and triplets (blue circles, n=448 fecal samples). The curve is a smoothed spline fit between microbiota age and chronologic age in the validation sets (right two panels of b), accounting for the observed sigmoidal relationship (see *Methods*). **c**, Heatmap of mean relative abundances of the 24 age-predictive bacterial taxa shown in **panel a** plotted against the chronologic age of healthy singletons used to train the Random Forests model, and correspondingly in the healthy singletons and twins/triplets used to validate the model (Hierarchical clustering performed using the Spearman rank correlation distance metric).

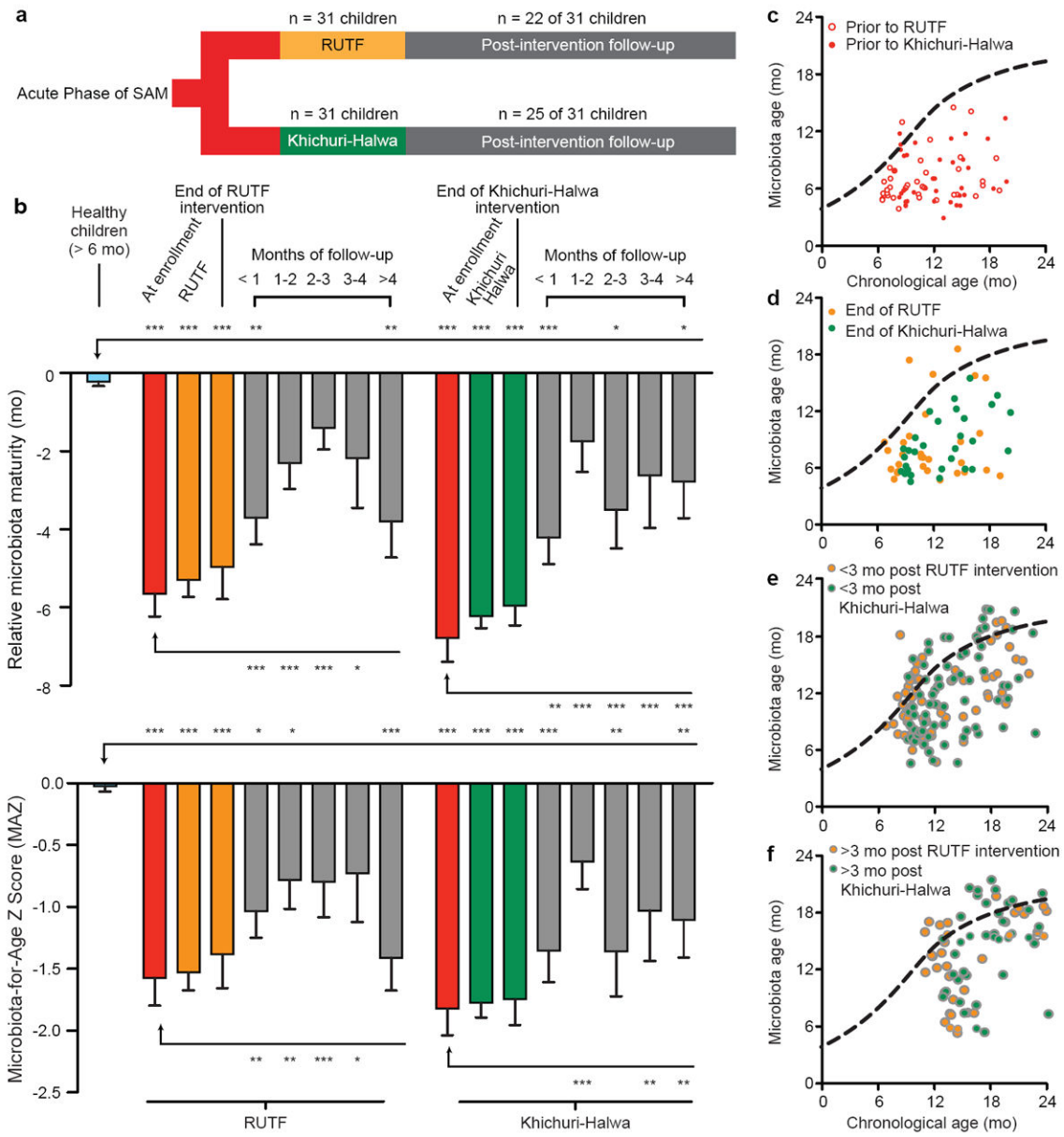

Figure 2. Persistent immaturity of the gut microbiota in children with SAM

a, Design of the randomized interventional trial. **b**, Microbiota maturity defined during various phases of treatment and follow-up in children with SAM. Relative microbiota maturity in the upper portion of the panel is based on the difference between calculated microbiota age (Random Forests-derived taxonomic biomarker model) and values calculated in healthy children of similar chronologic age, as interpolated over the first two years of life using a spline curve. In the lower portion of the panel, maturity is expressed as a microbiota-for-age Z score (MAZ). Mean values ± SEM are plotted. The significance of differences between microbiota indices at various stages of the clinical trial is indicated relative to healthy controls (arrows above the bars) and versus samples collected at enrollment for each intervention group (arrows below the bars) (post-hoc Dunnett's multiple comparison procedure of linear mixed models; *, $p<0.05$; **, $p<0.01$, ***, $p<0.001$). Healthy children

not used to train the Random Forests model served as healthy controls (n=38). **c-f**, Plot of microbiota age for each child with SAM at enrollment, at the conclusion of the food intervention phase, and within and beyond 3 months of follow-up. The curve shown in each panel was fit using predictions in healthy children: this curve is the same as that replicated across each plot in Fig. 1b.

Table ED1

Metadata for 50 healthy Bangladeshi children sampled monthly during the first two years of life

Child ID	Family ID	Birth Cohort	Gender	Zygosity	WHZ	WAZ	HAZ	Age at first fecal sample collection (days)	Age at last fecal sample collection (days)	Number of fecal samples collected	Sampling interval (days) mean ± SD	Months of exclusive breastfeeding	Age at first introduction of solid food (months)	Number of diarrheal episodes / yr	% Days with diarrhea during sampling period	Fraction of samples collected where antibiotics had been consumed within prior 7 days	Training-Validation Set Subject Allocation
Bgsng7035	Bgsng7035	Healthy Singleton Birth Cohort	Male	NA	-0.5 ± 0.5	-1.7 ± 0.2	-1.7 ± 0.2	5	701	23	32 ± 11	0.0	1.2	3.6	1.9	0.2	Training
Bgsng7106	Bgsng7106	Healthy Singleton Birth Cohort	Male	NA	-0.4 ± 0.6	-0.9 ± 0.9	-0.9 ± 0.9	9	738	19	41 ± 19	4.4	9.4	4.0	3.9	0.1	Training
Bgsng7115	Bgsng7115	Healthy Singleton Birth Cohort	Male	NA	-1.6 ± 0.5	0.2 ± 0.4	0.2 ± 0.4	5	706	21	35 ± 19	0.9	6.2	5.2	5.9	0.1	Training
Bgsng7128	Bgsng7128	Healthy Singleton Birth Cohort	Female	NA	-1.4 ± 0.7	-1.3 ± 0.6	-1.3 ± 0.6	4	735	23	33 ± 12	3.3	9.8	4.5	5.0	0.1	Training
Bgsng7150	Bgsng7150	Healthy Singleton Birth Cohort	Male	NA	0.0 ± 1.2	0.0 ± 0.8	0.0 ± 0.8	5	701	22	33 ± 14	5.9	8.2	2.1	3.0	0.4	Training
Bgsng7155	Bgsng7155	Healthy Singleton Birth Cohort	Female	NA	-1.5 ± 1.3	-1.0 ± 1.3	-1.0 ± 1.3	5	701	24	30 ± 5	1.2	4.3	1.6	1.6	0.3	Training
Bgsng7177	Bgsng7177	Healthy Singleton Birth Cohort	Female	NA	0.9 ± 0.6	-0.9 ± 1.0	-0.9 ± 1.0	8	700	23	31 ± 6	6.4	7.3	3.7	4.3	0.2	Training
Bgsng7192	Bgsng7192	Healthy Singleton Birth Cohort	Female	NA	0.0 ± 0.8	-1.6 ± 0.7	-1.6 ± 0.7	4	704	24	30 ± 8	5.4	6.3	5.2	4.4	0.4	Training
Bgsng7202	Bgsng7202	Healthy Singleton Birth Cohort	Female	NA	-0.4 ± 1.8	0.1 ± 0.6	0.1 ± 0.6	6	714	23	32 ± 11	5.4	6.2	3.1	3.1	0.1	Training
Bgsng7204	Bgsng7204	Healthy Singleton Birth Cohort	Male	NA	-0.7 ± 1.7	-0.1 ± 0.6	-0.1 ± 0.6	5	708	24	31 ± 10	0.2	4.5	8.8	7.2	0.4	Training
Bgsng8064	Bgsng8064	Healthy Singleton Birth Cohort	Male	NA	0.9 ± 0.7	1.7 ± 0.7	1.7 ± 0.7	6	700	24	30 ± 4	3.0	6.0	3.1	3.6	0.1	Training
Bgsng8169	Bgsng8169	Healthy Singleton Birth Cohort	Male	NA	0.9 ± 1.5	1.1 ± 0.5	1.1 ± 0.5	6	737	22	35 ± 18	3.0	5.6	3.0	2.3	0.0	Training
Bgsng7018	Bgsng7018	Healthy Singleton Birth Cohort	Male	NA	-0.7 ± 0.7	-0.4 ± 0.9	-0.4 ± 0.9	3	710	21	35 ± 24	7.3	9.6	4.6	3.5	0.3	Validation
Bgsng7052	Bgsng7052	Healthy Singleton Birth Cohort	Male	NA	0.0 ± 1.1	-0.3 ± 1.2	-0.3 ± 1.2	7	715	20	37 ± 22	6.6	7.3	4.1	4.8	0.1	Validation
Bgsng7063	Bgsng7063	Healthy Singleton Birth Cohort	Male	NA	-0.4 ± 0.7	0.0 ± 0.9	0.0 ± 0.9	5	700	20	37 ± 17	0.2	9.2	2.1	1.6	0.0	Validation
Bgsng7071	Bgsng7071	Healthy Singleton Birth Cohort	Male	NA	0.5 ± 0.8	0.6 ± 0.7	0.6 ± 0.7	4	704	18	41 ± 11	6.3	8.4	8.8	8.0	0.3	Validation
Bgsng7082	Bgsng7082	Healthy Singleton Birth Cohort	Female	NA	-0.9 ± 1.4	-0.8 ± 0.7	-0.8 ± 0.7	5	724	18	42 ± 28	4.4	5.8	3.5	3.0	0.3	Validation
Bgsng7090	Bgsng7090	Healthy Singleton Birth Cohort	Male	NA	-0.4 ± 0.5	-0.3 ± 0.7	-0.3 ± 0.7	5	703	23	32 ± 12	3.4	4.7	7.3	5.1	0.4	Validation
Bgsng7096	Bgsng7096	Healthy Singleton Birth Cohort	Female	NA	-0.5 ± 0.4	-1.1 ± 0.6	-1.1 ± 0.6	15	706	23	31 ± 10	3.2	7.2	2.6	2.7	0.2	Validation
Bgsng7114	Bgsng7114	Healthy Singleton Birth Cohort	Male	NA	-0.9 ± 0.3	-0.7 ± 0.2	-0.7 ± 0.2	4	702	18	41 ± 18	3.1	4.3	0.5	0.1	0.0	Validation
Bgsng7131	Bgsng7131	Healthy Singleton Birth Cohort	Male	NA	-0.9 ± 0.5	-1.3 ± 0.8	-1.3 ± 0.8	10	717	23	32 ± 10	2.2	3.1	4.1	4.3	0.3	Validation
Bgsng7142	Bgsng7142	Healthy Singleton Birth Cohort	Male	NA	-0.7 ± 1.5	-0.8 ± 1.5	-0.8 ± 1.5	12	728	22	34 ± 13	0.4	4.6	3.0	4.1	0.3	Validation
Bgsng7149	Bgsng7149	Healthy Singleton Birth Cohort	Female	NA	-1.0 ± 0.4	-0.3 ± 0.4	-0.3 ± 0.4	5	704	22	33 ± 11	3.4	9.4	6.2	3.7	0.2	Validation
Bgsng7173	Bgsng7173	Healthy Singleton Birth Cohort	Male	NA	-0.5 ± 0.5	-1.2 ± 0.6	-1.2 ± 0.6	8	702	24	30 ± 9	1.6	4.0	7.8	10.8	0.5	Validation
Bgsng7178	Bgsng7178	Healthy Singleton Birth Cohort	Female	NA	0.6 ± 1.4	-0.9 ± 0.6	-0.9 ± 0.6	8	700	24	30 ± 6	5.3	6.3	4.7	4.3	0.3	Validation
Bgtw1.T1	Bgtw1	Healthy Twins & Triplets	Female	MZ	-0.5 ± 0.7	-2.3 ± 0.5	-3.1 ± 0.7	35	730	26	28 ± 7	0.0	4.1	2.0	2.7	0.4	Validation - Twins & Triplets
Bgtw1.T2	Bgtw1	Healthy Twins & Triplets	Female	MZ	-1.3 ± 0.8	-3.0 ± 0.3	-3.4 ± 0.7	34	729	24	30 ± 9	0.0	4.1	2.0	2.7	0.3	Validation - Twins & Triplets
Bgtw2.T1	Bgtw2	Healthy Twins & Triplets	Male	DZ	-1.2 ± 0.8	-3.8 ± 0.9	-4.7 ± 0.7	31	701	25	28 ± 8	1.0	3.1	0.5	0.7	0.1	Validation - Twins & Triplets

Child ID	Family ID	Birth Cohort	Gender	Zygosity	WHZ	WAZ	HAZ	Age at first fecal sample collection (days)	Age at last fecal sample collection (days)	Number of fecal samples collected	Sampling interval (days) mean ± SD	Months of exclusive breastfeeding	Age at first introduction of solid food (months)	Number of diarrheal episodes / yr	% Days with diarrhea during sampling period	Fraction of samples collected where antibiotics had been consumed within prior 7 days	Training-Validation Set Subject Allocation
Bgtw2.T2	Bgtw2	Healthy Twins & Triplets	Female	DZ	-0.8 ± 1.0	-3.3 ± 0.9	-4.2 ± 0.4	31	701	25	28 ± 7	2.0	7.9	1.0	1.0	0.1	Validation - Twins & Triplets
Bgtw3.T1	Bgtw3	Healthy Twins & Triplets	Male	MZ	-0.6 ± 0.4	-1.4 ± 0.5	-1.6 ± 0.3	8	638	24	27 ± 12	0.0	7.1	2.9	5.0	0.0	Validation - Twins & Triplets
Bgtw3.T2	Bgtw3	Healthy Twins & Triplets	Male	MZ	-0.6 ± 0.5	-1.8 ± 0.6	-2.1 ± 0.6	8	639	26	25 ± 12	0.0	7.9	1.7	4.7	0.1	Validation - Twins & Triplets
Bgtw4.T1	Bgtw4	Healthy Twins & Triplets	Female	MZ co-twin in set of triplets	-0.2 ± 0.8	-2.4 ± 0.6	-3.4 ± 0.5	1	575	21	29 ± 10	0.0	9.1	1.3	0.3	0.1	Validation - Twins & Triplets
Bgtw4.T2	Bgtw4	Healthy Twins & Triplets	Female	MZ co-twin in set of triplets	-0.1 ± 0.8	-2.2 ± 0.9	-3.4 ± 0.6	1	581	19	32 ± 7	0.0	8.9	1.9	0.7	0.1	Validation - Twins & Triplets
Bgtw4.T3	Bgtw4	Healthy Twins & Triplets	Female	Fraternal co-twin in set of triplets	-1.7 ± 0.9	-2.9 ± 0.7	-2.6 ± 0.6	7	575	22	27 ± 9	0.0	8.9	3.8	3.8	0.1	Validation - Twins & Triplets
Bgtw5.T1	Bgtw5	Healthy Twins & Triplets	Male	DZ	-0.5 ± 0.8	-3.1 ± 0.9	-4.3 ± 0.8	31	638	21	30 ± 3	1.0	8.0	0.6	0.2	0.0	Validation - Twins & Triplets
Bgtw5.T2	Bgtw5	Healthy Twins & Triplets	Female	DZ	-0.1 ± 0.5	-2.5 ± 0.4	-4.0 ± 0.5	4	638	21	32 ± 7	0.1	7.0	1.7	1.1	0.0	Validation - Twins & Triplets
Bgtw6.T1	Bgtw6	Healthy Twins & Triplets	Male	DZ	-0.2 ± 0.6	-1.5 ± 1.8	-1.6 ± 1.7	6	286	9	35 ± 25	0.2	7.9	1.3	1.7	0.1	Validation - Twins & Triplets
Bgtw6.T2	Bgtw6	Healthy Twins & Triplets	Male	DZ	-0.6 ± 0.6	-2.5 ± 1.2	-2.6 ± 1.7	6	286	10	35 ± 11	0.2	9.4	0.0	0.3	0.1	Validation - Twins & Triplets
Bgtw7.T1	Bgtw7	Healthy Twins & Triplets	Female	DZ	0.5 ± 1.0	-2.3 ± 0.5	-3.8 ± 0.4	14	455	18	26 ± 8	0.0	9.0	0.8	0.4	0.2	Validation - Twins & Triplets
Bgtw7.T2	Bgtw7	Healthy Twins & Triplets	Female	DZ	0.5 ± 1.7	-2.8 ± 0.8	-4.3 ± 0.2	12	455	18	26 ± 7	0.4	9.1	3.2	2.0	0.2	Validation - Twins & Triplets
Bgtw8.T1	Bgtw8	Healthy Twins & Triplets	Female	DZ	-0.9 ± 0.7	-1.6 ± 0.3	-1.4 ± 0.4	15	364	14	27 ± 8	1.0	6.1	1.0	1.9	0.2	Validation - Twins & Triplets
Bgtw8.T2	Bgtw8	Healthy Twins & Triplets	Female	DZ	-1.4 ± 0.8	-2.6 ± 0.5	-2.3 ± 0.6	15	366	13	29 ± 5	1.0	6.1	0.0	0.0	0.5	Validation - Twins & Triplets
Bgtw9.T1	Bgtw9	Healthy Twins & Triplets	Female	MZ	0.1 ± 1.2	-3.1 ± 0.5	-4.0 ± 0.7	37	368	12	30 ± 3	2.1	6.9	3.0	1.4	0.3	Validation - Twins & Triplets
Bgtw9.T2	Bgtw9	Healthy Twins & Triplets	Female	MZ	0.8 ± 1.2	-2.6 ± 0.6	-4.0 ± 0.9	8	368	14	28 ± 7	2.3	6.9	2.0	2.2	0.1	Validation - Twins & Triplets
Bgtw10.T1	Bgtw10	Healthy Twins & Triplets	Female	MZ	-1.5 ± 0.8	-2.7 ± 0.5	-2.4 ± 0.4	4	366	17	23 ± 10	1.0	6.9	5.0	9.6	0.1	Validation - Twins & Triplets
Bgtw10.T2	Bgtw10	Healthy Twins & Triplets	Female	MZ	-1.0 ± 1.1	-2.8 ± 0.3	-2.8 ± 0.5	4	365	17	23 ± 11	1.1	6.9	4.0	9.3	0.1	Validation - Twins & Triplets
Bgtw11.T1	Bgtw11	Healthy Twins & Triplets	Female	not tested	-0.2 ± 0.3	-2.9 ± 0.4	-3.7 ± 0.4	1	336	12	30 ± 5	0.9	3.9	0.0	0.0	0.1	Validation - Twins & Triplets
Bgtw11.T2	Bgtw11	Healthy Twins & Triplets	Female	not tested	-0.7 ± 0.9	-2.6 ± 0.4	-2.9 ± 0.3	5	368	13	30 ± 11	1.1	4.0	0.0	0.0	0.0	Validation - Twins & Triplets
Bgtw12.T1	Bgtw12	Healthy Twins & Triplets	Male	DZ	1.2 ± 1.3	-2.3 ± 1.1	-4.4 ± 1.2	6	372	14	28 ± 6	1.0	8.5	1.0	1.6	0.4	Validation - Twins & Triplets
Bgtw12.T2	Bgtw12	Healthy Twins & Triplets	Female	DZ	-0.6 ± 2.0	-2.9 ± 1.2	-3.6 ± 0.9	6	372	13	31 ± 5	1.0	8.0	1.0	0.5	0.1	Validation - Twins & Triplets

NA, not applicable

Table ED2

Information associated with individual fecal samples collected from healthy children in training and validation sets

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m1	5	0.2	-0.37	-1.4	-1.24	Yes	Yes	No	No	No		25,936	9	GGATAGCCACTTC
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m2	37	1.2				Yes	Yes	Yes	No	Yes	Flucloxacillin sodium, Paracetamol, Chlorpheniramine maleate	26,663	9	TTGGGCGTGAACT
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m3	59	1.9				Yes	Yes	Yes	No	No	Levosulbutamol sulphate	25,243	9	TAACAAGGAACGC
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m4	87	2.9	-1.13	-1.6	-2.05	Yes	Yes	No	No	No		27,483	9	TCTGCAGTTGGAC
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m5	110	3.6				Yes	Yes	Yes	No	No		27,975	9	CTCGGCAATTATG
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m6	157	5.2				Yes	Yes	Yes	No	No		26,201	9	ATAGGCGATCTCT
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m7	200	6.6	-0.7	-1.49	-1.48	Yes	Yes	Yes	No	Yes	Flucloxacillin sodium, Chlorpheniramine maleate	24,733	9	ACTACAGCCTATG
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m8	219	7.2				Yes	No	Yes	Yes	No		27,940	9	AACCTCGTCAAGC
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m9	261	8.6				Yes	Yes	Yes	No	No		34,706	9	GGTACATCGGTTG
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m10	284	9.3	-0.03	-1.93	-1.13	Yes	Yes	Yes	No	No		23,589	9	AGTGTTCGATCGC
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m11	310	10.2				Yes	No	Yes	No	No		27,297	9	ACCGATAATTCCG
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m12	340	11.2				Yes	No	Yes	No	No		25,344	9	TACGGGTCTTTAG
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m13	375	12.3	0.09	-1.8	-0.81	Yes	No	Yes	No	No		23,895	9	CTAACCTCCGCTA
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m14	404	13.3				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Chlorpheniramine maleate	21,202	9	CAGGCGTATTGGA
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m15	432	14.2				No	No	Yes	No	No		24,365	9	TAGCTCGTAACTG
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m16	463	15.2	-0.66	-2.03	-1.42	Yes	No	Yes	Yes	Yes	Erythromycin stearate, Paracetamol, Oral rehydration saline, Folic acid	22,722	9	AAGGAGCGCCTTA
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m17	487	16.0				Yes	No	Yes	No	No		19,357	9	CTATTTGCGACAG
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m19	554	18.2	-1.03	-1.72	-1.55	Yes	No	Yes	No	No		15,820	9	ACTGACAGCCATG
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m20	586	19.3				Yes	No	Yes	No	No		22,761	9	GAATAGAGCCAAG

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m21	613	20.1				Yes	No	Yes	No	No		22,510	9	TCCGACACAATTC
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m22	647	21.3	0.05	-1.96	-0.93	Yes	No	Yes	No	Yes	Erythromycin stearate, Folic acid, Oral rehydration saline	22,252	9	GGATGGTGTTGCT
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m23	680	22.3				Yes	No	Yes	No	No		15,827	9	GAAGAAGCGGTAG
Healthy Singleton Birth Cohort	Bgsng7035	Bgsng7035	Bgsng7035.m24	701	23.0				Yes	No	Yes	No	No		18,513	9	TATCAGGTGTGCT
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m1	9	0.3	-0.84	-0.12	-0.52	Yes	No	No	No	No		18,588	9	GGAGACAAGGGAT
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m2	36	1.2				Yes	No	No	Yes	No		22,181	9	CCAGTGTATGCAT
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m3	74	2.4				Yes	No	No	Yes	No		22,253	9	GCGATATATCGCT
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m4	101	3.3	0.44	-0.03	0.29	Yes	No	No	No	No		16,529	9	TCTAGCGTAGTGC
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m5	135	4.4				Yes	No	No	No	No		19,850	9	GGCCACGTAGTAT
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m6	164	5.4				Yes	Yes	No	No	No		18,514	9	GTCAATTGACCGC
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m9	261	8.6				Yes	Yes	No	No	No		20,716	9	AATCAGTCTCGTG
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m10	285	9.4	0.05	-0.6	-0.31	Yes	No	Yes	No	No		26,042	9	CCTCGTTCGACTA
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m11	324	10.6				Yes	No	Yes	No	No		17,811	9	TAGGATTGCTCGC
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m12	366	12.0	-0.48	-0.25	-0.47	Yes	No	Yes	No	No		17,590	9	TCGAGGACTGCAT
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m14	438	14.4				Yes	No	Yes	No	No		16,805	9	ATGAGACTCCACT
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m16	500	16.4				Yes	No	Yes	No	No	Mebendazole	18,164	9	CAGCTAGAACGCT
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m18	556	18.3	-1.33	-1.71	-1.77	Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Paracetamol, Sulbutamol	19,806	9	TGAGTCACTGGTG
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m19	582	19.1				Yes	No	Yes	Yes	No		25,449	9	CAACACGCACGAT
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m20	617	20.3				Yes	No	Yes	No	No		21,372	9	CGACTGTCTTAAC
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m21	646	21.2	-0.08	-2.18	-1.13	Yes	No	Yes	No	No		21,772	9	TCAAGCTCAAGCA
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m22	677	22.2				Yes	No	Yes	No	No		23,582	9	TGTTATCGCACAC

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m23	710	23.3				Yes	No	Yes	No	No		25,332	9	TGTAATTGTCGCG
Healthy Singleton Birth Cohort	Bgsng7106	Bgsng7106	Bgsng7106.m24	738	24.2	-0.87	-1.34	-1.33	Yes	No	Yes	No	No		22,113	9	GTACCTAATTGCG
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m1	5	0.2	-2.4	0.65	-0.73	Yes	No	No	No	No		26,554	6	GAGTCAACCGCA
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m2	27	0.9				Yes	No	No	No	No	Levosulbutamol sulphate	27,079	6	ACGTTAGCACAC
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m3	75	2.5				Yes	Yes	No	Yes	Yes	Azithromycin dihydrate, Oral rehydration saline	18,986	6	GCCGATTCGGAA
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m4	106	3.5	-1.98	0.47	-1.03	Yes	Yes	No	No	Yes	Nystatin	27,659	6	GCGCTAAAGTTC
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m5	133	4.4				Yes	Yes	No	No	No		28,050	6	ATGACCATCGTG
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m6	166	5.5				Yes	Yes	No	No	No		27,146	6	GCCTTAAGCGAT
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m7	189	6.2	-1.7	0.25	-1.16	Yes	Yes	Yes	No	No		21,146	6	ATGGCAGCTCTA
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m8	226	7.4				Yes	Yes	Yes	No	No		31,245	6	AGAGTCCTGAGC
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m9	253	8.3				Yes	No	Yes	No	No		29,534	6	CCTTTCTTCTCA
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m10	292	9.6	-1.25	0.24	-0.84	Yes	Yes	Yes	Yes	No		24,107	6	GATTGCCGCAAG
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m11	322	10.6				Yes	No	Yes	Yes	No		29,602	6	TCTCACTAGGTA
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m12	350	11.5				Yes	No	Yes	No	No		28,015	6	GCCTTCTAAGGA
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m13	373	12.3	-1.42	-0.06	-1.07	Yes	No	Yes	No	No		27,364	6	CGGATTGGTGAC
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m14	399	13.1				Yes	No	Yes	No	No		24,938	6	TCGTTGGATGGT
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m15	426	14.0				Yes	No	Yes	No	No		33,541	6	TTGCCACTAGAT
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m16	457	15.0	-0.99	-0.55	-0.98	Yes	No	Yes	No	No		31,411	6	GCACCCAAAGTG
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m17	491	16.1				Yes	No	Yes	No	No		24,256	6	TCACAGATCCGA
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m18	517	17.0				Yes	No	Yes	No	No		34,276	6	CATCAAACCTCA
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m20	575	18.9				Yes	No	Yes	No	No		23,165	5	CCGCAATAGGGT

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m23	680	22.3				Yes	No	Yes	No	No		24,642	5	CGTTCTGGGAAT
Healthy Singleton Birth Cohort	Bgsng7115	Bgsng7115	Bgsng7115.m24	706	23.2				Yes	No	Yes	No	No		24,552	5	CCAACACACGAT
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m1	4	0.1	-0.47	-2.31	-1.98	Yes	No	No	No	No		25,573	9	CTAGCGAACATCG
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m2	24	0.8				Yes	No	No	No	No		23,478	9	GAATCTTCGAGCG
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m3	64	2.1				Yes	No	No	No	Yes	Azithromycin dihydrate, Sulbutamol, Oral rehydration saline, Zinc	17,813	9	CAAGCATGCCTAC
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m4	100	3.3	-2.34	-0.63	-2.13	Yes	No	No	No	No		20,729	9	TCCCAGAACAACG
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m5	123	4.0				Yes	Yes	No	Yes	No		14,919	9	ACACCTGGTGATC
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m6	155	5.1				Yes	Yes	No	No	No		23,568	9	GACTTGGTATTCG
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m7	183	6.0	-2	-0.47	-1.79	Yes	Yes	No	No	No		15,341	9	ACGCGCAGATACT
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m8	225	7.4				Yes	Yes	No	No	No		24,141	9	AAGAGATGTCGAG
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m9	246	8.1				Yes	Yes	No	No	No		15,469	9	GACAGGAGATAGC
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m10	298	9.8	-0.97	-1.2	-1.4	Yes	No	Yes	No	No		17,879	9	ACACGTAAGCCTG
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m11	319	10.5				Yes	No	Yes	No	No		21,877	9	CCTGAACTAGTTG
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m12	332	10.9				Yes	No	Yes	No	No		20,689	9	AGCTGGAAGTCCT
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m13	366	12.0	-1.14	-1	-1.31	Yes	No	Yes	No	No		22,380	9	TATCGTTGACCAC
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m14	403	13.2				Yes	Yes	No	No	No		25,923	9	TACACGATCTACG
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m16	457	15.0	-1.97	-1.43	-2.09	Yes	No	Yes	Yes	No		21,552	9	TCCAAAGTGTTCG
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m17	494	16.2				Yes	No	Yes	No	No		20,025	9	ATTCCTGTGAGTC
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m18	528	17.3				Yes	No	Yes	No	No		20,103	9	GAGTGGTAGAGAT
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m19	553	18.2	-1.81	-1.57	-2.08	Yes	No	Yes	Yes	No		21,139	9	CCATAGGGTTCAT
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m20	577	19.0				Yes	No	Yes	No	No		23,739	9	CCATGCGATAACA

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m21	611	20.1				Yes	No	Yes	No	No		20,334	9	GCTCAGTGCAGAT
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m22	660	21.7	-0.63	-1.46	-1.2	Yes	No	Yes	No	No		21,423	9	TAATCCACAGCGT
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m23	679	22.3				Yes	No	Yes	No	Yes	Flucloxacillin sodium, Chlorpheniramine maleate	16,932	9	TCGTCGATAATCG
Healthy Singleton Birth Cohort	Bgsng7128	Bgsng7128	Bgsng7128.m24	735	24.1	-1.36	-1.61	-1.86	Yes	No	Yes	No	No		16,718	9	AATGGAGCATGAC
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m1	5	0.2	-2.73	1.51	-0.26	Yes	No	No	No	No		43,429	9	TAAACCGCGTGTA
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m2	45	1.5				Yes	No	No	No	No	Chlorpheniramine maleate, Levosulbutamol sulphate	48,635	9	AGAGCCTACGTTC
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m3	68	2.2				Yes	No	No	No	No		42,468	9	AAGATGGATCAGC
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m4	99	3.3	0.23	0.32	0.39	Yes	No	No	No	Yes	Azithromycin dihydrate, Paracetamol, Oral rehydration saline	43,709	9	AATGTCCGTGACG
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m5	130	4.3				Yes	No	No	Yes	No		44,275	9	AGCCTAAGCACGT
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m6	179	5.9				Yes	No	No	No	No	Paracetamol	43,565	9	TCTACGGAGAGCT
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m7	198	6.5	0.5	-0.75	-0.12	Yes	Yes	No	No	Yes	Amoxycillin trihydrate, Betamethasone + Neomycin sulphate, Paracetamol	49,091	9	CTCTACCTCTACA
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m8	225	7.4				Yes	No	No	No	No		45,577	9	ATTAGTTCGCGTC
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m9	250	8.2				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Levosulbutamol sulphate	48,781	9	CTAGATTTGCCAC
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m10	299	9.8	0.8	0.6	0.88	Yes	No	Yes	Yes	No	Chlorpheniramine maleate, Paracetamol	18,104	9	CGGACTACAACTG
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m11	313	10.3				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Flucloxacillin sodium, Chlorpheniramine maleate, Betamethasone + Neomycin sulphate	39,978	9	AGCCGGCACATAT
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m12	340	11.2				Yes	No	Yes	No	No	Chlorpheniramine maleate, Levosulbutamol sulphate	45,927	9	TACTTCGCTCGCA
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m13	366	12.0	0.25	0.09	0.24	Yes	No	Yes	No	No	Chlorpheniramine maleate, Multi vitamin, Betamethasone + Neomycin sulphate	45,152	9	ATACCTTCGGTAC
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m14	411	13.5				Yes	No	Yes	No	No		46,546	9	GGTCAGCTTAACA
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m15	423	13.9				Yes	No	Yes	No	Yes	Flucloxacillin sodium, Chlorpheniramine maleate, Permethrin	40,620	9	TAGCGGATCACGT
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m16	460	15.1	-0.16	-0.38	-0.3	Yes	No	Yes	No	No		38,867	9	CCATACATAGCTG
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m17	486	16.0				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Chlorpheniramine maleate, Permethrin	37,879	9	TAAGGTAAGGTGC

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m18	530	17.4				Yes	No	Yes	No	No		43,135	9	TGGCACCGATTAC
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m19	572	18.8	0.79	-0.82	0.18	Yes	No	Yes	No	No		39,683	9	ACCTGGGCATTAG
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m20	620	20.4				Yes	No	Yes	No	No		24,788	9	GACTCACTCAATC
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m21	635	20.9	0.44	-0.25	0.18	Yes	No	Yes	No	Yes	Flucloxacillin sodium, Permethrin	25,058	9	CCTATCCTTGGCT
Healthy Singleton Birth Cohort	Bgsng7150	Bgsng7150	Bgsng7150.m24	701	23.0				Yes	No	Yes	No	No		11,586	9	ACGTAAATCGCCG
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m1	5	0.2	-4.2	1.89	-0.91	Yes	No	No	No	No		20,072	9	ACGATGCGACCAT
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m2	36	1.2				Yes	No	No	No	No	Chlorpheniramine maleate, Betamethasone + Neomycin sulphate	21,366	9	GCTTCGGTAGATC
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m3	78	2.6				Yes	Yes	No	No	No	Paracetamol	20,347	9	GAATGATGAGTGC
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m4	98	3.2	-2.54	-0.36	-2.06	Yes	Yes	No	No	Yes	Amoxycillin trihydrate, Paracetamol, Levosulbutamol sulphate	20,877	9	ACGGCATGGCATA
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m5	130	4.3				Yes	Yes	Yes	No	Yes	Flucloxacillin sodium	22,402	9	CGCCAAATAACCG
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m6	167	5.5				Yes	Yes	No	No	No		22,394	9	ATGATGACCCGTA
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m7	196	6.4	-0.94	-1.33	-1.58	Yes	No	Yes	No	No		19,660	9	CAGGAAGGTTAAG
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m8	228	7.5				Yes	No	Yes	No	No	Chlorpheniramine maleate, Paracetamol, Levosulbutamol sulphate	23,214	9	CTACCGGATCAAT
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m9	250	8.2				Yes	No	Yes	No	No		23,729	9	CCAAGTCTTACAC
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m10	278	9.1	-0.47	-1.6	-1.25	Yes	No	Yes	No	No		30,647	9	CTTACACCAAGTC
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m11	308	10.1				Yes	No	Yes	No	No		24,587	9	CGTCCGAAATACG
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m12	340	11.2				Yes	No	Yes	No	No		17,658	9	CGTGACAATGTCA
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m13	370	12.2	-1.37	-1.75	-1.88	Yes	No	Yes	No	No	Multi vitamin	21,627	9	GTATTACGATCCG
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m14	396	13.0				Yes	No	Yes	No	No		20,860	9	GTGGGATGTTTCT
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m15	427	14.0				Yes	No	Yes	No	No		14,421	9	TGGCATACGGCAT
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m16	459	15.1	-0.85	-2.04	-1.59	Yes	No	Yes	No	No		22,521	9	AGCAAACACCCGA

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m17	496	16.3				Yes	No	Yes	No	No	Chlorpheniramine maleate, Paracetamol	17,725	9	ACACTAGATCCGA
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m18	518	17.0				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Chlorpheniramine maleate, Paracetamol	26,635	9	TGACCTCCAAGAT
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m19	551	18.1	-1.19	-1.19	-1.43	Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Sulbutamol	23,537	9	GCCGAGATTGGTA
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m20	578	19.0				Yes	No	Yes	No	Yes	Azithromycin dihydrate, Paracetamol	23,642	9	TACGTAGTTTCGC
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m21	610	20.0				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Paracetamol, Multi vitamin	19,327	9	CGGACGTTCATAT
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m22	644	21.2	-0.45	-1.87	-1.28	Yes	No	Yes	No	No		24,983	9	TCCGTACCATAAG
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m23	669	22.0				Yes	No	Yes	No	No		19,797	9	ATACACGTGGCGT
Healthy Singleton Birth Cohort	Bgsng7155	Bgsng7155	Bgsng7155.m24	701	23.0				No	No	Yes	No	Yes	Amoxycillin trihydrate, Sulbutamol	21,128	9	GTGTTGCAGCATG
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m1	8	0.3	0.18	0.7	0.81	Yes	No	No	No	No		24,160	9	GAGGCCATCAGTA
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m2	40	1.3				Yes	No	No	No	Yes	Azithromycin dihydrate, Chlorpheniramine maleate, Paracetamol	22,834	9	CGTAACCAACCAG
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m3	76	2.5				Yes	No	No	No	No		24,953	9	TTCTGGGAACACG
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m4	103	3.4	0.41	0.38	0.53	Yes	No	No	No	No		21,286	9	GACTGATCATCTC
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m5	131	4.3				Yes	No	No	No	No	Chlorpheniramine maleate, Levosulbutamol sulphate	21,371	9	CACGAGGTCATTG
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m6	162	5.3				Yes	No	No	No	No		21,597	9	TGTTTGAGCTGTC
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m7	195	6.4	1.78	-0.93	0.76	Yes	No	No	No	No	Levosulbutamol sulphate, Chlorpheniramine maleate	20,262	9	ACTTATGCGGTTC
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m8	222	7.3				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Chlorpheniramine maleate, Paracetamol	24,316	9	ATTCTGTGAGCGA
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m9	268	8.8	1.05	-0.47	0.52	Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Paracetamol	18,493	9	TGCGGCATCGAAT
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m11	313	10.3				Yes	No	Yes	No	Yes	Azithromycin dihydrate, Oral rehydration saline, Paracetamol	19,188	9	ATTATACCTCGGC
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m12	335	11.0				Yes	No	Yes	No	No		17,194	9	AGAACACGTCTCG
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m13	365	12.0	0.2	-0.97	-0.3	Yes	No	Yes	No	No	Chlorpheniramine maleate	24,969	9	CACATGCCTAAGA
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m14	399	13.1				Yes	No	Yes	No	No	Levosulbutamol sulphate	22,895	9	ATGGATACGCTCT

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m15	439	14.4				Yes	No	Yes	No	No		24,068	9	AAGGTGTAAGGTG
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m16	460	15.1	0.67	-1.65	-0.24	Yes	No	Yes	No	No		21,271	9	GCACTACCGAATA
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m17	490	16.1				Yes	No	Yes	No	No		22,459	9	ACACGAGCCACAT
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m18	517	17.0				Yes	No	Yes	No	No	Levosulbutamol sulphate	21,145	9	TGGAGCACGTTGT
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m19	548	18.0	1.46	-1.9	0.22	Yes	No	Yes	No	No	Sulbutamol, Multi vitamin	21,816	9	GATCTTCAGTACG
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m20	582	19.1				Yes	No	Yes	No	No	Sulbutamol	25,111	9	CGACATGCTATTC
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m21	614	20.2				Yes	No	Yes	No	Yes	Amoxicillin trihydrate + Clavulanic acid	8,146	9	TCATCTGACTGAC
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m22	644	21.2	1.57	-2.19	0.1	Yes	No	Yes	No	No		19,697	9	CTGGTTAATCTGC
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m23	678	22.3				Yes	No	Yes	No	No		23,520	9	CCTAAGCACATGT
Healthy Singleton Birth Cohort	Bgsng7177	Bgsng7177	Bgsng7177.m24	700	23.0				Yes	No	Yes	No	No	Levosulbutamol sulphate	28,223	9	CCAATCACTATGC
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m1	4	0.1	-1.4	-1.36	-1.71	Yes	No	No	No	No		27,825	7	CCTTGGCTATCC
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m2	38	1.2				Yes	No	No	No	Yes	Chloramphenicol, Paracetamol	38,100	7	CCTAATGGAACC
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m3	77	2.5				Yes	No	No	No	Yes	Azithromycin dihydrate, Oral rehydration saline	24,831	7	CTGGAAATCTGC
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m4	101	3.3	0.3	-0.92	-0.51	Yes	No	No	No	No		24,255	7	TAAGGCCTATCG
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m5	130	4.3				Yes	No	No	No	No	Paracetamol, Levosulbutamol sulphate, Chlorpheniramine maleate	33,281	7	GATAGAAAGCCA
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m6	164	5.4				Yes	No	No	No	No		32,058	7	CAACGGGTAGTC
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m7	191	6.3	0.71	-1.41	-0.4	Yes	Yes	Yes	No	No	Chlorpheniramine maleate	26,725	7	TTCGCCCTTCAG
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m8	228	7.5				Yes	Yes	Yes	No	Yes	Amoxycillin trihydrate, Paracetamol	29,470	7	GAGGCCATCAGT
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m9	252	8.3	0.17	-0.73	-0.28	Yes	Yes	Yes	Yes	Yes	Azithromycin dihydrate, Paracetamol, Chlorpheniramine maleate	29,754	7	CGTAACCAACCA
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m10	311	10.2				Yes	Yes	Yes	No	No		21,427	7	TTCTGGGAACAC
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m11	344	11.3				Yes	Yes	Yes	No	No		25,583	7	GACTGATCATCT

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m12	367	12.1	-1.2	-1.17	-1.44	Yes	Yes	Yes	No	No		21,450	7	CACGAGGTCATT
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m13	389	12.8				Yes	Yes	Yes	No	Yes	Flucloxacillin sodium, Chlorpheniramine maleate	26,441	7	TGTTTGAGCTGT
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m14	410	13.5				Yes	Yes	Yes	No	No		20,681	7	AGTTTGCAACGC
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m15	431	14.2				Yes	Yes	Yes	No	Yes	Amoxycillin trihydrate, Sulbutamol	23,703	7	ATTCTGTGAGCG
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m16	456	15.0	-0.6	-1.65	-1.2	Yes	Yes	Yes	No	No	Multi vitamin	14,332	7	TGCGGCATCGAA
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m17	491	16.1				Yes	Yes	Yes	Yes	No		23,767	7	CATTTGGACGAC
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m18	518	17.0				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Sulbutamol	22,839	7	ATTATACCTCGG
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m19	555	18.2	0.68	-2.99	-0.95	No	No	Yes	No	Yes	Amoxycillin trihydrate, Levosulbutamol sulphate	23,208	4	TCTATCGGGTTA
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m20	588	19.3				Yes	No	Yes	No	No		23,872	4	ACAGGAACTCGC
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m21	617	20.3				Yes	No	Yes	No	Yes	Cephradine Monohydrate, Nystatin, Multi vitamin, Chlorpheniramine maleate	21,987	4	TCGTTTCGGGAA
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m22	644	21.2	0.44	-2.07	-0.71	Yes	No	Yes	No	No		24,545	4	ATAACCCGCCAA
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m23	679	22.3				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Paracetamol, Sulbutamol	22,633	4	GCCATAGGTTTG
Healthy Singleton Birth Cohort	Bgsng7192	Bgsng7192	Bgsng7192.m24	704	23.1	0.74	-1.78	-0.4	Yes	No	Yes	No	No	Multi vitamin, Ketotifen Fumarate	23,963	4	CAGTAACGGCCA
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m1	6	0.2	-3.81	0.93	-1.39	Yes	No	No	No	Yes	Azithromycin dihydrate, Paracetamol, Chlorpheniramine maleate	20,842	9	TGTGATGGAGAAC
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m2	41	1.3				Yes	No	No	Yes	Yes	Azithromycin dihydrate, Oral rehydration saline	24,708	9	AACCATCGGGTGA
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m3	70	2.3				Yes	No	No	No	No		20,716	9	GTAAGTCGTGGCA
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m4	99	3.3	-2.57	0.82	-1.26	Yes	No	No	No	No		21,578	9	CATCGGTCAAGGA
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m5	132	4.3				Yes	No	No	No	No		22,066	9	AACGGCAGCATCT
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m6	163	5.4				Yes	No	No	No	No		16,027	9	TTACGAGACGGCT
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m7	189	6.2	0.54	-0.27	0.2	Yes	No	Yes	No	No		22,594	9	GGCAACCTCAGAT
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m8	217	7.1				Yes	No	Yes	No	No	Paracetamol	25,799	9	TAAAGTCACCCTC

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m9	246	8.1				Yes	No	Yes	No	No		23,237	9	CCTCTACCTACGA
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m10	276	9.1	0.41	-0.09	0.24	Yes	Yes	Yes	No	No		25,228	9	TACGGTATGTCTG
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m11	325	10.7				Yes	Yes	Yes	No	No		20,839	9	GGTGAAGATACAG
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m12	343	11.3				Yes	Yes	Yes	No	No		26,369	9	CCTACTGTGCCTA
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m13	373	12.3	0.54	0.31	0.55	Yes	No	Yes	No	No	Multi vitamin	24,746	9	TGCTGCTTAACAC
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m14	402	13.2				Yes	No	Yes	No	No		29,126	9	TTCAGCGCCCTTA
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m15	435	14.3				Yes	No	Yes	No	No	Multi vitamin	19,310	9	AATTAGGCAGAGC
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m16	472	15.5	0.52	-0.49	0.18	Yes	No	Yes	No	No		24,006	9	GTCCAGTAATGCA
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m17	486	16.0				Yes	No	Yes	No	No		21,281	9	TAGACTGTACTCG
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m18	531	17.4				Yes	No	Yes	No	No		23,295	9	CGCATGAGGATCA
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m20	598	19.6	0.56	-0.2	0.32	Yes	No	Yes	No	No		19,443	9	ACCACATACATCG
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m21	631	20.7				Yes	No	Yes	No	No		21,072	9	TCTGTTGCTCTCG
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m22	646	21.2	0.63	-0.45	0.25	Yes	No	Yes	No	No		17,739	9	ATACTTCGCAGGT
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m23	678	22.3				Yes	No	Yes	No	No		23,643	9	TAACACCACATCG
Healthy Singleton Birth Cohort	Bgsng7202	Bgsng7202	Bgsng7202.m24	714	23.5				Yes	No	Yes	No	No		17,013	9	TCAACAGCATCGT
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m1	5	0.2	-4.47	0.48	-2.05	Yes	No	No	No	No		19,679	9	GACGAGTCAGTCT
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m2	41	1.3				Yes	No	No	No	No		19,766	9	GGATGTAAGTAGC
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m3	68	2.2				Yes	No	No	No	No	Chlorpheniramine maleate, Levosulbutamol sulphate	22,792	9	ACATAACGCCGTA
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m4	100	3.3	-1.45	-0.8	-1.59	Yes	No	No	No	No	Chlorpheniramine maleate, Levosulbutamol sulphate	22,339	9	CACCACGGAAACA
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m5	138	4.5				Yes	Yes	Yes	No	No		20,636	9	GCTGGGTCATATG
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m6	180	5.9				Yes	No	Yes	Yes	Yes	Azithromycin dihydrate, Levosulbutamol sulphate	23,839	9	TATGTGGCCCAAT

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m7	195	6.4	1.24	0.04	0.92	Yes	No	Yes	No	No		17,875	9	GTCTCATGTAGGC
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m8	217	7.1				Yes	No	Yes	No	Yes	Ceftriaxone sodium, Chlorpheniramine maleate	25,721	9	AGGGACGATAATG
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m9	239	7.9				Yes	Yes	Yes	No	Yes	Azithromycin dihydrate, Oral rehydration saline	24,433	9	AGCTATCCACGAT
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m10	280	9.2	-0.51	0.35	-0.25	Yes	No	No	Yes	Yes	Ceftriaxone sodium, Paracetamol	16,763	9	TGATCAGAAGAGC
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m11	308	10.1				Yes	Yes	Yes	No	No	Levosulbutamol sulphate, Paracetamol	20,722	9	GCAAAGCAAAGTC
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m12	338	11.1				Yes	No	Yes	Yes	Yes	Azithromycin dihydrate, Oral rehydration saline, Paracetamol	24,893	9	CGTCTGGTTCCTA
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m13	366	12.0	-0.34	0.53	-0.02	Yes	No	Yes	No	No		20,969	9	GGTGGAATAGAGC
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m14	397	13.0				Yes	No	Yes	No	No	Chlorpheniramine maleate	22,724	9	TGACTTTGTGTGC
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m15	439	14.4				Yes	No	Yes	No	Yes	Erythromycin stearate, Oral rehydration saline, Zinc	20,240	9	CTATACCACGGAT
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m16	457	15.0	-0.32	0.15	-0.2	Yes	No	Yes	No	No		25,035	9	ATAGCGGTCTGGA
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m17	490	16.1				Yes	No	Yes	Yes	Yes	Erythromycin stearate, Sulbutamol, Riboflavin	28,198	9	AGTTAGTGCGTCT
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m18	518	17.0				Yes	No	Yes	No	No	Sulbutamol	24,990	9	CGTGGTTAGCATG
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m19	572	18.8	-0.12	-0.74	-0.46	Yes	No	Yes	No	Yes	Ceftriaxone sodium	19,939	9	GTCCGAAACACTA
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m20	583	19.2				Yes	No	Yes	No	No		18,167	9	TATGCACCAGTGA
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m21	610	20.0				Yes	No	Yes	No	No		25,639	9	ATGGACCGAACCT
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m22	645	21.2	0.42	-0.95	-0.19	Yes	No	Yes	No	No	Ketotifen Fumarate	18,854	9	AACACAAGGAGTG
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m23	679	22.3				Yes	No	Yes	No	No		20,016	9	AGTTCCCGAGTAT
Healthy Singleton Birth Cohort	Bgsng7204	Bgsng7204	Bgsng7204.m24	708	23.3				Yes	No	Yes	No	Yes	Ciprofloxacin hydrochloride, Oral rehydration saline	22,018	9	ATGTCGAGAGAAC
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m1	6	0.2	0.192	0.388	0.5604	Yes	No	No	No	No		88,417	10	AACGGCAGCATCT
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m2	41	1.3				Yes	No	No	No	No		51,953	10	TTACGAGACGGCT
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m3	69	2.3				Yes	No	No	No	No		83,673	10	GGCAACCTCAGAT

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m4	90	3.0	1.344	1.379	1.8941	Yes	No	No	No	No		81,376	10	TAAAGTCACCCTC
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m5	121	4.0				Yes	Yes	No	No	No		61,887	10	CCTCTACCTACGA
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m6	155	5.1				Yes	Yes	No	No	No		75,845	10	TACCTCTCAGAAC
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m7	184	6.0	-0.11	2.399	1.0992	Yes	Yes	Yes	No	No		82,176	10	GGTAGGAACAATG
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m8	215	7.1				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Paracetamol	66,025	10	TGAGGATGATAGC
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m9	245	8.0				Yes	No	Yes	No	No		80,536	10	CTGGCCTAGGAAT
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m10	280	9.2	1.828	2.38	2.4891	Yes	No	Yes	No	No		78,656	10	CGAGATACCCAGA
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m11	306	10.1				Yes	No	Yes	No	No		81,227	10	GAGAGAATGATCG
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m12	334	11.0				Yes	No	Yes	No	No		88,280	10	TACGGTATGTCTG
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m13	369	12.1	1.602	1.957	2.0526	Yes	No	Yes	No	No		77,372	10	GGTGAAGATACAG
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m14	400	13.1				Yes	No	Yes	No	No		71,482	10	CCTACTGTGCCTA
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m15	426	14.0				Yes	No	Yes	No	No		82,459	10	TGCTGCTTAACAC
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m16	456	15.0	0.601	1.927	1.2635	Yes	No	Yes	No	Yes	Cephradine Monohydrate, Sulbutamol	83,873	10	TTCAGCGCCCTTA
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m17	492	16.2				Yes	No	Yes	No	No		70,300	10	AATTAGGCAGAGC
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m18	517	17.0				Yes	No	Yes	No	No		65,736	10	GTCCAGTAATGCA
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m19	546	17.9	0.658	1.442	1.1612	Yes	No	Yes	No	No		93,903	11	AGATAGGACAGGT
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m20	580	19.1				Yes	No	Yes	No	No		64,385	10	CGCATGAGGATCA
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m21	611	20.1				Yes	No	Yes	No	No		70,560	10	GACGAGTCAGTCT
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m22	638	21.0	0.696	1.487	1.2633	Yes	No	Yes	No	No		68,075	10	GGATGTAAGTAGC
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m23	674	22.1				Yes	No	Yes	No	No		80,800	10	ACATAACGCCGTA
Healthy Singleton Birth Cohort	Bgsng8064	Bgsng8064	Bgsng8064.m24	700	23.0				Yes	No	Yes	No	No		68,344	10	CACCACGGAAACA

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									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m1	6	0.2	-2.46	1.815	0.0992	Yes	No	No	No	No		80,719	10	AGTTAGTGCGTCT
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m3	90	3.0	0.038	0.738	0.5309	Yes	No	No	No	No		62,477	10	CGTGGTTAGCATG
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m5	170	5.6	0.671	1.89	1.4626	Yes	No	Yes	No	No	Sulbutamol respiratory solution + Normal saline	71,774	10	AATACCGCTTTGC
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m6	220	7.2				Yes	Yes	Yes	No	No		46,222	10	ACCTGGGCATTAG
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m7	247	8.1				Yes	Yes	Yes	No	No		70,763	10	GACTCACTCAATC
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m8	269	8.8	1.567	0.463	1.4208	Yes	No	Yes	No	No		73,856	10	CCTATCCTTGGCT
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m9	288	9.5				Yes	No	Yes	No	No		133,214	11	TGAGTTCGCTATC
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m10	309	10.2				Yes	No	Yes	No	No		61,195	10	GTTTCTAGAGCTC
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m11	343	11.3				Yes	No	Yes	No	No		59,751	10	ACGTAAATCGCCG
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m12	367	12.1	1.043	1.252	1.3308	Yes	No	Yes	No	No		50,302	10	GCCGAGATTGGTA
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m13	420	13.8				Yes	No	Yes	No	No		71,725	10	TACGTAGTTTCGC
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m14	440	14.5				Yes	No	Yes	No	No		55,257	10	CGGACGTTCATAT
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m15	463	15.2	1.679	0.964	1.6797	Yes	No	Yes	No	No		70,213	10	TCCGTACCATAAG
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m16	491	16.1				Yes	No	Yes	No	No		65,576	10	ATACACGTGGCGT
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m17	528	17.3				Yes	No	Yes	No	No		67,525	10	GTGTTGCAGCATG
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m18	555	18.2	1.614	1.089	1.7063	Yes	No	Yes	No	No		59,138	10	CACGTCGATGGAT
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m19	581	19.1				Yes	No	Yes	No	No		88,460	10	AGCGATGCCTTAT
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m20	611	20.1				Yes	No	Yes	No	No		66,881	10	TGCGCTTGGATAT
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m21	653	21.5	2.294	0.686	2.0623	Yes	No	Yes	No	No		73,912	10	TTGCTGGTCCTCT
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m22	674	22.1				Yes	No	Yes	No	No		64,887	10	GACCCAATGTGGA
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m23	703	23.1				Yes	No	Yes	No	No		91,741	11	CGATTTCTCAAGC

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									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng8169	Bgsng8169	Bgsng8169.m24	737	24.2	2.09	0.818	1.9644	Yes	No	Yes	No	Yes	Cefixime trihydrate, Sulbutamol, Sulbutamol respiratory solution + Normal saline	71,666	10	ACAATCGGTTGCG
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m1	3	0.1	0.15	-0.88	-0.54	Yes	No	No	No	No		27,258	6	TTCGCCCTTCAG
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m2	46	1.5				Yes	No	No	No	Yes	Amoxycillin trihydrate, Chlorpheniramine maleate, Paracetamol	27,765	6	GAGGCCATCAGT
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m3	72	2.4				Yes	No	No	No	No	Chlorpheniramine maleate	29,947	6	CGTAACCAACCA
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m4	103	3.4	-1.31	1.18	-0.13	Yes	No	No	No	No		25,494	6	TTCTGGGAACAC
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m5	117	3.8				Yes	No	No	No	No		28,061	6	GACTGATCATCT
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m6	156	5.1				Yes	No	No	No	No		32,033	6	CACGAGGTCATT
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m7	191	6.3	0.01	0.07	-0.01	Yes	No	No	No	No		33,709	6	TGTTTGAGCTGT
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m8	223	7.3				Yes	No	No	No	Yes	Amoxycillin trihydrate, Chlorpheniramine maleate	31,984	6	AGTTTGCAACGC
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m9	247	8.1				Yes	Yes	No	Yes	No		30,036	6	ATTCTGTGAGCG
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m10	292	9.6	-0.43	-0.02	-0.37	Yes	No	Yes	No	No	Betamethasone + Neomycin sulphate	16,665	6	TGCGGCATCGAA
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m11	311	10.2				Yes	No	Yes	No	No		25,843	6	CATTTGGACGAC
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m12	348	11.4				Yes	No	Yes	No	No		32,360	6	ATTATACCTCGG
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m13	373	12.3	-0.49	-0.73	-0.7	Yes	No	Yes	No	No	Chlorpheniramine maleate, Levosulbutamol sulphate	18,514	7	GTGGACGTCCAA
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m14	403	13.2				Yes	No	Yes	No	Yes	Ceftriaxone sodium, Paracetamol, Levosulbutamol sulphate	18,537	7	GATGGGATTTCC
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m15	430	14.1				Yes	No	Yes	Yes	Yes	Erythromycin stearate, Paracetamol, Oral rehydration saline	22,991	7	GCGCCGTATAAT
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m16	465	15.3	-0.98	-1.08	-1.2	Yes	No	Yes	No	No	Paracetamol	22,109	7	CGTCGTCAAATG
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m17	494	16.2				Yes	No	Yes	No	No		21,425	7	AGTCACATCACT
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m18	520	17.1				Yes	No	Yes	Yes	No		18,775	7	GGCATGCATGTT
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m19	551	18.1	-1.6	-1.29	-1.78	Yes	No	Yes	No	Yes	Flucloxacillin sodium	25,765	7	GCCTAGTTGATT
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m20	579	19.0				Yes	No	Yes	No	No		18,634	7	ATCTCCTCTCCA

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									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7018	Bgsng7018	Bgsng7018.m24	710	23.3				Yes	No	Yes	No	No		2,890	7	ACACGGTGTCTA
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m1	7	0.2	1.85	-1.53	0.08	Yes	No	No	No	No		31,673	6	AACCATCGGGTG
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m2	39	1.3				Yes	No	No	No	No		24,248	6	GTAAGTCGTGGC
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m3	67	2.2				Yes	No	No	No	No		27,870	6	CATCGGTCAAGG
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m4	89	2.9	0.66	-0.13	0.38	Yes	No	No	No	Yes	Amoxycillin trihydrate, Levosulbutamol sulphate	32,014	6	AACGGCAGCATC
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m5	130	4.3				Yes	No	No	No	No		29,735	6	TCGAGTTTGGTT
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m6	158	5.2				Yes	No	No	No	No		36,446	6	ACGTAGCATTTC
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m7	200	6.6	-1.12	1.52	-0.07	Yes	No	No	No	No		27,512	6	GGCAACCTCAGA
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m8	221	7.3				Yes	No	Yes	No	No		24,814	6	TCTGCAGTTGGA
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m9	250	8.2				Yes	No	Yes	No	No		29,061	6	CTCGGCAATTAT
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m10	286	9.4	-0.12	0.46	0.1	Yes	No	Yes	No	No		26,982	6	ATAGGCGATCTC
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m11	312	10.3				Yes	No	Yes	No	No		34,503	6	ACTACAGCCTAT
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m12	351	11.5				Yes	No	Yes	No	No		21,590	7	AGATTCGTTGTC
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m14	398	13.1				Yes	No	Yes	No	No		21,766	7	ACAGGAACTCGC
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m15	445	14.6	-0.04	-1.54	-0.72	Yes	No	Yes	No	No		21,871	7	TCGTTTCGGGAA
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m16	467	15.3				Yes	No	Yes	No	No		24,246	7	ATAACCCGCCAA
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m17	489	16.1				Yes	No	Yes	No	No	Levosulbutamol sulphate	21,780	7	GCCATAGGTTTG
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m18	522	17.2				Yes	No	Yes	No	No		19,696	7	CAGTAACGGCCA
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m19	552	18.1	-1.05	-0.87	-1.2	Yes	No	Yes	No	No		25,364	5	CATCATGAGGCT
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m20	594	19.5				Yes	No	Yes	No	No		18,094	5	GGCGCGGTTTAA
Healthy Singleton Birth Cohort	Bgsng7052	Bgsng7052	Bgsng7052.m24	715	23.5				Yes	No	Yes	No	No		22,275	5	ATCTTCCGATAG

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m1	5	0.2	0.69	0.84	1.22	Yes	No	No	No	No		35,781	7	TACCCAGAGATC
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m2	49	1.6				Yes	Yes	No	No	No		32,288	7	GTAAGCACCTAC
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m3	63	2.1				Yes	Yes	No	No	No		37,024	7	CAGCATGTGTTG
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m4	82	2.7	-1.29	1.14	-0.14	Yes	No	No	No	No		28,501	7	TTATCACGTGCA
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m5	127	4.2				Yes	No	No	No	No		25,238	7	ATTCATGGACGC
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m6	159	5.2				Yes	No	No	No	No		30,703	7	TAGAACTCACCT
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m7	189	6.2	-0.25	0.77	0.17	Yes	No	No	No	No		26,116	7	TGATTTGGACCT
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m8	222	7.3				Yes	No	No	No	No		24,325	7	TACGTCCCGTTC
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m10	281	9.2	-0.34	-0.49	-0.55	Yes	No	Yes	No	No		38,055	7	CATCCAAATGCG
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m11	314	10.3				Yes	No	Yes	No	No		37,716	7	ACGTGAGAGAAT
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m12	340	11.2				Yes	No	Yes	No	No		28,109	7	TGGACACCGAAC
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m15	427	14.0				Yes	No	Yes	No	No		22,266	7	TGTGAGCACGGT
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m16	452	14.9	-0.87	-0.52	-0.88	Yes	No	Yes	No	No		32,769	7	AAGCCTACACGT
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m17	489	16.1				Yes	No	Yes	No	No		29,889	7	CCATAATCCGTA
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m18	518	17.0				Yes	No	Yes	No	No		24,800	7	CGCACATGTTAT
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m19	553	18.2	-0.87	-0.85	-1.06	Yes	No	Yes	No	No		23,878	7	CGTTTAGAGTCG
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m20	585	19.2				Yes	No	Yes	No	No		23,582	7	GATAGCTGTCTT
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m21	608	20.0				Yes	No	Yes	No	No		19,883	7	ATGTACGGCGAC
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m22	642	21.1	0.19	-1.1	-0.44	Yes	No	Yes	No	No		25,924	7	GCGTGTTAAACC
Healthy Singleton Birth Cohort	Bgsng7063	Bgsng7063	Bgsng7063.m24	700	23.0				Yes	No	Yes	No	No		49,430	12	TCCAAAGTGTTCG
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m1	4	0.1	-0.52	1.38	0.72	Yes	No	No	No	No		26,757	6	AACCTCGTCAAG

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m2	64	2.1				Yes	No	No	No	Yes	Ciprofloxacin hydrochloride, Oral rehydration saline	29,630	6	GGTACATCGGTT
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m4	95	3.1	1.04	1.13	1.51	Yes	No	No	No	No		33,366	6	AGTGTTCGATCG
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m5	134	4.4				Yes	No	No	No	No		35,953	6	GAGAGAATGATC
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m6	159	5.2				Yes	No	No	No	No		9,810	6	TACGGGTCTTTA
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m7	193	6.3	-0.29	1.37	0.46	Yes	No	No	No	No		29,952	6	CGATAACATGCC
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m9	256	8.4	1.32	-0.09	0.94	Yes	No	Yes	No	No		26,569	6	CATGGCTACACA
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m10	309	10.2				Yes	No	Yes	No	No		23,251	7	GAGTCAACCGCA
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m12	354	11.6				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Levosulbutamol sulphate	23,516	7	GCCGATTCGGAA
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m14	397	13.0				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Chlorpheniramine maleate	26,367	7	ATGACCATCGTG
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m15	432	14.2				Yes	No	Yes	No	No	Paracetamol	22,234	7	GCCTTAAGCGAT
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m16	465	15.3	1.14	0.33	0.99	Yes	No	Yes	No	No		15,792	7	ATGGCAGCTCTA
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m18	520	17.1				Yes	No	Yes	No	No		26,075	7	CCTTTCTTCTCA
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m19	554	18.2	-0.04	0.02	-0.07	Yes	No	Yes	No	No	Sulbutamol	21,695	5	ACGCGATACTGG
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m20	591	19.4				Yes	No	Yes	No	Yes	Erythromycin stearate, Oral rehydration saline, Zinc	19,075	5	TGAAGGTCCCAT
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m22	642	21.1	1.01	-0.23	0.61	Yes	No	Yes	Yes	No		17,314	5	TAGTTTGACGCG
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m23	673	22.1				Yes	No	Yes	No	No		19,785	5	CACGTGACATGT
Healthy Singleton Birth Cohort	Bgsng7071	Bgsng7071	Bgsng7071.m24	704	23.1				Yes	No	Yes	No	Yes	Ciprofloxacin hydrochloride, Oral rehydration saline, Zinc, Paracetamol	20,283	5	CAACGCAGTTTG
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m1	5	0.2	0.06	-0.12	0.07	Yes	No	No	No	No		22,780	7	TGAGTTCGCTAT
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m2	39	1.3				Yes	No	No	No	Yes	Amoxycillin trihydrate, Paracetamol, Levosulbutamol sulphate	31,880	7	CGATTTCTCAAG
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m3	60	2.0				Yes	No	No	No	No		28,588	7	CTTGCTGAAGAC
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m4	97	3.2	-0.36	-0.32	-0.53	Yes	No	No	No	No	Chlorpheniramine maleate	29,202	7	TGACCGGTCAAT

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m5	135	4.4				Yes	No	No	Yes	No		28,856	7	TAATCGGATTCC
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m6	177	5.8				Yes	No	Yes	No	No		26,712	7	CTCCTACTGTCT
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m7	192	6.3	-0.22	-0.91	-0.77	Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Chlorpheniramine maleate, Paracetamol, Azithromycin dihydrate	32,949	7	TTAGGTGCAGCT
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m8	219	7.2				Yes	Yes	Yes	No	No		32,121	7	CCTTAAGTCAGT
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m9	254	8.3				Yes	No	Yes	No	No		29,036	7	CACACAGCGTTA
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m10	305	10.0	-0.2	-2.18	-1.41	Yes	Yes	Yes	No	No		30,204	7	TGTGCTGTGTAG
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m11	355	11.7				Yes	Yes	Yes	No	No		23,530	7	GGAGGTTATCCG
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m12	373	12.3	-0.01	-0.9	-0.42	Yes	No	Yes	No	Yes	Azithromycin dihydrate	31,053	7	TGTGATGGAGAA
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m15	429	14.1				Yes	No	Yes	No	No		28,979	7	CATCGGTCAAGG
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m17	487	16.0				Yes	No	Yes	No	Yes	Azithromycin dihydrate, Chlorpheniramine maleate, Paracetamol	21,917	7	TCGAGTTTGGTT
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m18	528	17.3				Yes	No	Yes	No	No		27,415	7	ACGTAGCATTTC
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m19	551	18.1	-3.7	-0.83	-3.11	Yes	No	Yes	No	No		46,439	4	CAGATTTCGGTG
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m20	584	19.2				Yes	No	Yes	No	Yes	Flucloxacillin sodium, Chlorpheniramine maleate, Paracetamol, Betamethasone + Neomycin sulphate	30,776	4	CTGGGTACCATA
Healthy Singleton Birth Cohort	Bgsng7082	Bgsng7082	Bgsng7082.m24	724	23.8	-1.85	-0.23	-1.39	Yes	No	Yes	No	No		27,052	4	CTACTGATATCG
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m1	5	0.2	-0.62	0.07	-0.26	Yes	No	No	No	Yes	Flucloxacillin sodium, Paracetamol, Chlorpheniramine maleate	41,555	6	AATACCGCTTTG
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m2	33	1.1				Yes	No	No	No	No		21,335	6	ACCTGGGCATTA
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m3	58	1.9				Yes	No	No	No	No		30,713	6	GACTCACTCAAT
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m4	102	3.4	-0.84	0.84	-0.02	Yes	No	No	No	Yes	Amoxycillin trihydrate, Chlorpheniramine maleate	28,264	6	CCTATCCTTGGC
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m5	143	4.7				Yes	No	Yes	No	No		32,772	6	ACGTGCCGTAGA
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m6	166	5.5				Yes	No	Yes	No	No		37,393	6	GTTTCTAGAGCT
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m7	192	6.3	-0.2	0.21	-0.1	Yes	No	Yes	No	No		39,086	6	ACGTAAATCGCC

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m8	221	7.3				Yes	No	No	No	No		27,393	6	GCCGAGATTGGT
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m9	250	8.2				Yes	No	Yes	No	No		32,683	6	TACGTAGTTTCG
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m10	282	9.3	0.65	-1.28	-0.24	Yes	No	Yes	No	No		18,072	6	CGGACGTTCATA
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m11	331	10.9				Yes	No	Yes	No	Yes	Erythromycin stearate, Chlorpheniramine maleate, Paracetamol	28,047	7	ACGCATTGCATT
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m12	354	11.6				Yes	No	Yes	No	Yes	Erythromycin stearate, Paracetamol, Chlorpheniramine maleate	25,729	7	GGTAATCCTGTG
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m13	369	12.1	-0.25	-0.33	-0.33	Yes	No	Yes	No	No	Multi vitamin, Chlorpheniramine maleate	21,566	7	GTCCGGCTTCTT
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m14	405	13.3				Yes	No	No	No	No	Chlorpheniramine maleate, Paracetamol	23,980	7	CTCAGTATGCAG
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m15	430	14.1				Yes	No	Yes	Yes	Yes	Erythromycin stearate, Oral rehydration saline	21,301	7	ATAAGGCCTTCT
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m16	461	15.1	-0.92	-0.46	-0.89	Yes	No	Yes	Yes	Yes	Azithromycin dihydrate, Folic acid, Oral rehydration saline	22,635	7	ACGTGGTTACGT
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m17	494	16.2				Yes	No	Yes	No	Yes	Flucloxacillin sodium, Paracetamol	18,796	7	CAGGTCTGTATT
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m18	522	17.2				Yes	No	Yes	No	No		18,341	7	TCAGGTTGCGGA
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m19	552	18.1	-0.71	-0.75	-0.9	Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Sulbutamol	20,562	5	TAGACCTAGACC
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m20	583	19.2				Yes	No	Yes	No	Yes	Erythromycin stearate, Chlorpheniramine maleate, Oral rehydration saline, Flucloxacillin sodium, Multi vitamin	22,447	5	ACTCGATTCGAT
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m22	656	21.6	-0.49	-1.02	-0.9	Yes	No	Yes	No	Yes	Erythromycin stearate, Sulbutamol	14,571	5	AACAAGCAGAAC
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m23	674	22.1				Yes	No	Yes	No	No		24,421	5	ATCAAAGGGCAA
Healthy Singleton Birth Cohort	Bgsng7090	Bgsng7090	Bgsng7090.m24	703	23.1				Yes	No	Yes	No	No		32,621	5	GTATTCGACTTG
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m1	15	0.5	-0.74	-0.65	-0.89	Yes	No	No	Yes	No		36,661	6	CCTCCATGAGAA
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m2	32	1.1				Yes	No	No	No	No	Levosulbutamol sulphate	39,377	6	AACCACACATCG
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m3	56	1.8				Yes	No	No	No	Yes	Amoxycillin trihydrate	31,100	6	GGCTGTATGGGT
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m4	96	3.2	-1	-0.15	-0.85	Yes	No	No	No	No		34,600	6	GATCTTCAGTAC
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m5	126	4.1				Yes	Yes	No	No	Yes	Chloramphenicol, Chlorpheniramine maleate	31,582	6	CGACATGCTATT

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									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m6	153	5.0				Yes	No	No	No	No		28,455	6	TCATCTGACTGA
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m7	183	6.0	-0.1	-0.71	-0.56	Yes	No	No	No	No		29,390	6	CTGGTTAATCTG
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m8	218	7.2				Yes	No	Yes	No	No		29,805	6	CCTAAGCACATG
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m9	249	8.2				Yes	No	Yes	No	No		24,069	6	CCAATCACTATG
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m10	279	9.2	0.02	-0.94	-0.51	Yes	No	Yes	No	No		26,340	6	TCCCAACTTCGC
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m11	305	10.0				Yes	Yes	No	No	No	Chlorpheniramine maleate	19,565	7	CTCGATTAGATC
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m12	342	11.2				Yes	No	Yes	No	No	Chlorpheniramine maleate, Paracetamol, Levosulbutamol sulphate	19,466	7	TTGTCTGGAAGC
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m13	369	12.1	-0.64	-1.24	-1.06	Yes	No	Yes	No	No		24,907	7	GTAGTAGGCCAC
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m14	405	13.3				Yes	No	Yes	No	No	Chlorpheniramine maleate, Paracetamol	21,381	7	TGCACCTCTGTC
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m15	433	14.2				Yes	No	Yes	No	No	Chlorpheniramine maleate	21,561	7	TTACCAAGACTC
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m16	460	15.1	-0.6	-1.65	-1.2	Yes	No	Yes	Yes	No		21,779	7	GCACTCGTTAGA
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m17	491	16.1				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Chlorpheniramine maleate, Paracetamol	19,784	7	GCTACTTCTTCC
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m19	560	18.4	-0.68	-1.98	-1.44	Yes	No	Yes	No	No		27,208	5	CTTAATTCCAGG
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m20	586	19.3				Yes	No	Yes	No	No		25,164	5	CCTCACACTTGC
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m21	615	20.2				Yes	No	Yes	No	Yes	Amoxicillin trihydrate + Clavulanic acid, Chlorpheniramine maleate	21,387	5	GTGATAGTGCCG
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m22	643	21.1	-0.01	-1.69	-0.85	Yes	No	Yes	No	No		25,485	5	TACTTACTGCAG
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m23	678	22.3				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Sulbutamol, Paracetamol	21,284	5	TTCTCACCTTTC
Healthy Singleton Birth Cohort	Bgsng7096	Bgsng7096	Bgsng7096.m24	706	23.2				Yes	No	Yes	No	No		104,982	11	TGTTTGAGCTGTC
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m1	4	0.1	-1.01	-0.67	-1.06	Yes	No	No	No	No		31,342	6	GATAGTGCCACT
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m2	37	1.2				Yes	No	No	No	No		30,598	6	AAGTGTTTGCCG
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m3	65	2.1				Yes	No	No	No	No		25,490	6	GATCTATCCGAG

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m4	95	3.1	-0.82	-0.48	-0.92	Yes	No	No	No	No		31,348	6	GATTAGCACTCT
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m5	131	4.3				Yes	Yes	Yes	No	No		22,935	6	GATCTCATAGGC
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m6	158	5.2				Yes	Yes	No	No	No		30,207	6	GGTATGACTCAC
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m7	191	6.3	-0.61	-0.89	-1.03	Yes	No	No	No	No		33,132	6	ACCTGTCTCTCT
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m8	218	7.2				Yes	Yes	Yes	No	No		27,226	6	AGATTCGTTGTC
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m10	288	9.5	-0.67	-0.4	-0.75	Yes	No	Yes	No	No		24,019	6	TCTATCGGGTTA
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m11	309	10.2				Yes	No	Yes	No	No		18,896	6	ACAGGAACTCGC
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m12	334	11.0				Yes	No	Yes	No	No		25,674	6	TCGTTTCGGGAA
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m13	379	12.5	-0.99	-0.7	-1.05	Yes	No	Yes	No	No		25,848	6	ATAACCCGCCAA
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m16	457	15.0	-1.44	-0.84	-1.43	Yes	No	Yes	No	No	Multi vitamin, Folic acid	21,561	6	GCCATAGGTTTG
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m17	487	16.0				Yes	No	Yes	No	No		26,140	6	CAGTAACGGCCA
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m18	520	17.1				Yes	No	Yes	No	No	Chlorpheniramine maleate	26,961	6	ATGCACTGGCGA
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m20	578	19.0				No	No	Yes	No	No		12,932	5	GTGGTGGATTCT
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m22	640	21.0	-0.98	-0.96	-1.21	No	No	Yes	No	No		25,136	5	TATCTCGAACTG
Healthy Singleton Birth Cohort	Bgsng7114	Bgsng7114	Bgsng7114.m24	702	23.1				No	No	Yes	No	No		23,373	5	CGCAGGATACTT
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m1	10	0.3	-1.06	-0.2	-0.67	Yes	No	No	Yes	No		49,384	9	CTTCGGCAGAATC
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m2	37	1.2				Yes	No	No	No	No		47,028	9	CACGGTTGTGAGT
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m3	66	2.2				Yes	No	No	No	No		55,585	9	TTACTGTGCGATG
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m4	95	3.1	-0.52	0.04	-0.34	Yes	Yes	Yes	No	No		48,004	9	GCACACACGTTAT
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m5	143	4.7				Yes	Yes	Yes	No	No		52,768	9	ATCCCGAATTTGC
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m6	157	5.2				Yes	Yes	Yes	No	No		50,605	9	TACAGATGGCTCG

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m7	184	6.0	-0.4	-1.4	-1.2	Yes	Yes	Yes	Yes	Yes	Azithromycin dihydrate	42,169	9	GAGGCTCATCATC
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m8	215	7.1				Yes	No	Yes	No	No		50,257	9	GAAGTTGGAAGTG
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m9	249	8.2				Yes	No	Yes	No	No		40,071	9	ACGGGACATGCTA
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m10	282	9.3	-0.77	-1.69	-1.53	Yes	No	Yes	Yes	Yes	Erythromycin stearate	43,512	9	GAGGAATAGCAGT
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m11	311	10.2				Yes	No	Yes	No	No		56,814	9	AGGCTACACGACA
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m12	334	11.0				Yes	No	Yes	No	No		22,879	9	CACGCCATAATGT
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m13	373	12.3	-1.47	-1.39	-1.75	Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Chlorpheniramine maleate, Paracetamol	49,643	9	GTTGGTCAATCTC
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m15	429	14.1				Yes	No	Yes	No	No		47,169	9	TCCTCTGTCGACA
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m16	461	15.1	-1.26	-1.6	-1.65	Yes	No	Yes	No	No		44,655	9	TTCCTAGGTGAGA
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m17	493	16.2				Yes	No	Yes	No	No		44,521	9	GTCATATCGTACG
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m18	517	17.0				Yes	No	Yes	No	No		43,856	9	CAGCGGTGACATA
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m19	570	18.7	-1.63	-1.9	-2.07	Yes	No	Yes	No	Yes	Erythromycin stearate, Oral rehydration saline, Paracetamol, Multi vitamin	39,288	9	ACTCACGGTATGT
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m20	587	19.3				Yes	No	Yes	No	No		47,583	9	AATCTTGCTGCAC
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m21	618	20.3				Yes	No	Yes	No	Yes	Flucloxacillin sodium, Sulbutamol, Paracetamol	42,335	9	TGGCAAGACTCTG
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m22	649	21.3	-0.33	-2.21	-1.33	No	No	Yes	No	Yes	Ciprofloxacin hydrochloride, Chlorpheniramine maleate	41,317	9	CCTCTCGTGATCA
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m23	675	22.2				No	No	Yes	No	No		39,986	9	TACTAATCTGCGC
Healthy Singleton Birth Cohort	Bgsng7131	Bgsng7131	Bgsng7131.m24	717	23.6				No	No	Yes	No	No		48,144	9	GGTCACTGACAGA
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m1	12	0.4	-3.86	2.43	-0.1	Yes	No	No	Yes	Yes	Amoxycillin trihydrate, Chlorpheniramine maleate	31,620	7	GATCCACGGACA
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m2	47	1.5				Yes	Yes	No	No	No	Chlorpheniramine maleate, Levosulbutamol sulphate	24,759	7	ATTGTGCGGTGT
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m3	82	2.7				Yes	Yes	No	No	No		20,253	7	TATAGCCCTGGA
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m4	104	3.4	0.75	-0.78	-0.02	Yes	No	No	No	No		18,582	7	GTATTGACGGTC

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m5	140	4.6				Yes	Yes	Yes	No	No		21,449	7	TGCCATCTGAAT
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m6	167	5.5				Yes	Yes	Yes	No	No		23,095	7	CTCGCTTCACTT
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m7	201	6.6	0.11	-0.54	-0.29	Yes	Yes	Yes	No	No		20,995	7	AGAGTAGCTAAG
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m8	236	7.8				Yes	No	Yes	No	Yes	Flucloxacillin sodium, Chlorpheniramine maleate	25,323	7	CACTCAACAGAC
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m9	260	8.5				Yes	No	Yes	No	No		21,489	7	AGTTGGCCGAGT
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m11	306	10.1				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Paracetamol	17,948	7	GTCTCTCTACGC
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m12	368	12.1	-0.54	-1.46	-1.11	Yes	No	Yes	No	No	Chlorpheniramine maleate, Paracetamol	18,169	7	AAGCCGTTCCAA
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m13	385	12.6				Yes	No	Yes	No	No		20,998	7	GAGTCGCGTTTA
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m14	404	13.3				Yes	No	Yes	Yes	Yes	Erythromycin stearate, Oral rehydration saline	20,761	7	ATTACGGCGGCA
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m15	438	14.4				Yes	No	Yes	No	No		14,748	7	GCTATGGACCGA
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m16	475	15.6	-0.65	-1.43	-1.13	Yes	No	Yes	No	No		17,467	7	GGACCGAACTCA
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m17	505	16.6				Yes	No	Yes	No	No		18,849	7	ATGCCAACCAAC
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m18	523	17.2				Yes	No	Yes	No	Yes	Flucloxacillin sodium, Chlorpheniramine maleate	16,462	7	CATGAGTGCTAC
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m20	586	19.3				Yes	No	Yes	No	No		20,456	7	TACGTGTACGTG
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m21	614	20.2				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Sulbutamol, Mebendazole	11,443	7	CAGGTGCTACTA
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m22	649	21.3	-0.4	-1.7	-1.15	Yes	No	Yes	No	No	Paracetamol, Ketotifen Fumarate, Sulbutamol, Sulbutamol respiratory solution + Normal saline	18,826	7	AATCGCTTTGTG
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m23	679	22.3				No	No	Yes	No	No		15,412	7	GCCAACTGTAAC
Healthy Singleton Birth Cohort	Bgsng7142	Bgsng7142	Bgsng7142.m24	728	23.9	-0.22	-1.83	-1.13	No	No	Yes	No	Yes	Flucloxacillin sodium, Chlorpheniramine maleate	17,660	7	TTAGTTGAGTCC
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m1	5	0.2	-0.3	-0.3	-0.3	Yes	No	No	No	No	Paracetamol, Levosulbutamol sulphate	17,919	6	ATTGGGCTAGGC
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m2	42	1.4				Yes	No	No	No	No	Chlorpheniramine maleate, Paracetamol	26,836	6	AGCTTGACAGCT
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m3	70	2.3				Yes	No	No	No	Yes	Amoxycillin trihydrate	23,506	6	GTCTACACACAT

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m4	103	3.4	-1.24	-0.25	-1.1	Yes	No	No	No	No		21,169	6	TGCAATGTTGCT
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m5	154	5.1				Yes	Yes	No	No	No		20,077	6	TCGGAGTGTTGT
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m6	174	5.7				Yes	Yes	No	No	No		23,118	6	GCCTGAATTTAC
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m7	190	6.2	-0.53	0.1	-0.39	Yes	Yes	No	Yes	Yes	Amoxycillin trihydrate	23,244	6	ATGTGGGACCCA
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m8	229	7.5				Yes	Yes	No	No	No		22,541	6	GGTCACTGACAG
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m9	263	8.6				Yes	Yes	No	No	No	Chlorpheniramine maleate	26,704	6	ACCACATACATC
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m10	285	9.4	-1	0.09	-0.72	Yes	Yes	Yes	No	No		28,315	6	TCTGTTGCTCTC
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m11	309	10.2				Yes	Yes	Yes	No	No		21,344	6	ATACTTCGCAGG
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m12	337	11.1				Yes	Yes	Yes	No	No		23,102	6	TAACACCACATC
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m13	370	12.2	-1.46	-0.05	-1.07	Yes	No	Yes	No	Yes	Azithromycin dihydrate, Chlorpheniramine maleate, Paracetamol	16,727	6	TCAACAGCATCG
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m14	398	13.1				Yes	No	Yes	No	No		18,617	6	GTCCGAAACACT
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m15	431	14.2				Yes	No	Yes	No	No		17,871	6	TATGCACCAGTG
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m16	462	15.2	-1.38	-0.62	-1.27	Yes	No	Yes	No	Yes	Chloramphenicol	21,807	6	GACTCGAATCGT
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m17	490	16.1				Yes	No	Yes	Yes	No	Sulbutamol, Paracetamol, Oral rehydration saline	23,676	6	AACACAAGGAGT
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m18	526	17.3				Yes	No	Yes	No	No		20,708	6	AGTTCCCGAGTA
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m19	565	18.6	-1.05	-0.84	-1.16	Yes	No	Yes	No	No	Sulbutamol, Multi vitamin	21,384	4	ATTGCAGGTACC
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m21	615	20.2				Yes	No	Yes	No	No		22,424	4	AGACTGCGTACT
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m23	677	22.2				Yes	No	Yes	No	No		34,060	4	CAGCAAAGCGTC
Healthy Singleton Birth Cohort	Bgsng7149	Bgsng7149	Bgsng7149.m24	704	23.1				Yes	No	Yes	No	No		65,328	12	CGTCCGAAATACG
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m1	8	0.3	-1.01	-1.77	-1.87	Yes	No	No	No	Yes	Chloramphenicol	24,575	9	GACTCTTGGCAAT
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m2	50	1.6				Yes	No	No	No	No		22,764	9	TAACTCTGATGCG

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m3	78	2.6	-0.79	-1.43	-1.67	Yes	Yes	No	Yes	No	Multi vitamin	25,813	9	TCGCATGAAGTCT
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m4	121	4.0				Yes	Yes	Yes	Yes	Yes	Azithromycin dihydrate, Oral rehydration saline	19,816	9	GTCGTCCTAAATC
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m5	135	4.4				Yes	Yes	Yes	No	Yes	Amoxycillin trihydrate, Paracetamol, Levosulbutamol sulphate	19,987	9	TTCCGTAGGGATG
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m6	170	5.6	-0.98	-0.19	-0.89	No	Yes	Yes	No	No		19,938	9	CAAGTTTACGGCT
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m7	207	6.8				Yes	Yes	Yes	Yes	Yes	Erythromycin stearate, Chlorpheniramine maleate, Oral rehydration saline	24,919	9	ACCGGCTAGAGTA
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m8	226	7.4				Yes	Yes	Yes	Yes	Yes	Azithromycin dihydrate	23,131	9	TCCAGGCTTAATC
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m9	257	8.4				Yes	Yes	Yes	No	No		26,544	9	CAACGGGTAGTCT
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m10	274	9.0	-0.36	-0.9	-0.78	Yes	Yes	Yes	No	No		21,219	9	TACGATGACCACA
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m11	319	10.5				Yes	Yes	Yes	No	No		12,591	9	TTGCAGACAGGCA
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m12	337	11.1				Yes	Yes	No	No	No		22,725	9	CCTTGGCTATCCT
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m13	366	12.0	-0.39	-0.83	-0.68	Yes	No	Yes	No	No		25,512	9	CCTAATGGAACCG
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m14	404	13.3				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Chlorpheniramine maleate, Paracetamol, Chloramphenicol, Betamethasone + Neomycin sulphate	22,296	9	CTGGAAATCTGCA
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m15	430	14.1				Yes	No	Yes	No	No		26,343	9	TAAGGCCTATCGA
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m16	472	15.5	-0.64	-0.96	-0.9	Yes	No	Yes	No	Yes	Erythromycin stearate, Oral rehydration saline, Zinc	24,885	9	GATAGAAAGCCAG
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m17	491	16.1				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Chlorpheniramine maleate, Paracetamol	20,782	9	AGTTTGCAACGCG
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m18	520	17.1				Yes	No	Yes	No	Yes	Chloramphenicol	25,388	9	TTCGCCCTTCAGT
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m19	556	18.3	0.14	-1.58	-0.63	Yes	No	Yes	No	Yes	Amoxicillin trihydrate + Clavulanic acid, Chloramphenicol, Sulbutamol	22,652	9	GACCCAATGTGGA
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m20	586	19.3				Yes	No	Yes	No	Yes	Amoxicillin trihydrate + Clavulanic acid, Paracetamol, Sulbutamol	22,061	9	TCCATAACTAGCG
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m21	619	20.3				Yes	No	Yes	Yes	Yes	Ciprofloxacin hydrochloride, Oral rehydration saline, Zinc	21,815	9	ACAATCGGTTGCG
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m22	642	21.1	0.29	-1.97	-0.76	Yes	No	Yes	No	No		20,141	9	CCTCCATGAGAAT
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m23	674	22.1				Yes	No	Yes	No	No		23,661	9	AACCACACATCGC

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7173	Bgsng7173	Bgsng7173.m24	702	23.1				Yes	No	Yes	Yes	No		18,911	9	GGCTGTATGGGTA
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m1	8	0.3	-2.38	-1.69	-2.69	Yes	No	No	No	No		26,504	9	GCTAATTACGCTG
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m2	42	1.4				Yes	No	No	Yes	Yes	Erythromycin stearate, Oral rehydration saline, Folic acid	22,055	9	GTGCCGGTGATAT
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m3	70	2.3				Yes	No	No	No	Yes	Flucloxacillin sodium	20,757	9	TGCTATATCTGGC
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m4	101	3.3	1.95	-1.7	0.04	Yes	No	No	Yes	No	Oral rehydration saline	23,591	9	CCATTCGCCCATA
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m5	134	4.4				Yes	No	No	No	No		18,466	9	GTAAGCACCTACG
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m6	161	5.3				Yes	No	No	No	No	Chlorpheniramine maleate, Paracetamol, Oral rehydration saline	23,091	9	GGTAACAGCTCGA
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m7	191	6.3	1.44	-0.42	0.8	Yes	Yes	Yes	No	No	Chlorpheniramine maleate	23,208	9	CTCCTGAAAGTTG
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m8	226	7.4				Yes	Yes	Yes	No	No		17,475	9	GCGACTTGTGTAG
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m9	247	8.1				Yes	No	Yes	No	No	Paracetamol	22,023	9	GTCATTCACGAGA
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m10	274	9.0	1.29	-0.66	0.6	Yes	No	Yes	No	No	Paracetamol	20,188	9	ATCTCTGGCATAC
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m11	318	10.4				Yes	No	Yes	No	No		15,408	9	AAGTGGACTCTCA
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m12	339	11.1				Yes	No	Yes	No	No		25,824	9	TACCCAGAGATCT
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m13	366	12.0	0.06	-0.03	0.04	Yes	No	Yes	No	No		25,642	9	CATCCAAATGCGA
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m14	396	13.0				Yes	No	Yes	No	Yes	Nystatin, Paracetamol	26,628	9	CAGCATGTGTTGT
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m15	429	14.1				Yes	No	Yes	No	No		22,172	9	TTATCACGTGCAC
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m16	472	15.5	0.16	-0.64	-0.15	Yes	No	Yes	No	No		22,728	9	ATTCATGGACGCG
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m17	499	16.4				Yes	No	Yes	No	No		25,894	9	TAGAACTCACCTC
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m18	526	17.3				Yes	No	Yes	Yes	No		23,935	9	TGATTTGGACCTC
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m19	560	18.4	0.72	-0.91	0.11	Yes	No	Yes	No	No		26,494	9	TCCCAACTTCGCA
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m20	583	19.2				Yes	No	Yes	No	No		19,950	9	ATGCGTAGTGCGT

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m21	613	20.1				Yes	No	Yes	No	Yes	Nystatin, Riboflavin	21,698	9	TGTACACGGCGAT
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m22	638	21.0	1.81	-1.1	0.8	Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Chlorpheniramine maleate, Levosulbutamol sulphate	20,381	9	AGGATTACTCCGT
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m23	672	22.1				Yes	No	Yes	No	Yes	Amoxycillin trihydrate, Clotrimazole	18,776	9	TGTGTGTGACTTG
Healthy Singleton Birth Cohort	Bgsng7178	Bgsng7178	Bgsng7178.m24	700	23.0				Yes	No	Yes	No	Yes	Flucloxacillin sodium, Chlorpheniramine maleate	25,978	9	GAGTATGCAGCCA
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m2	35	1.1				Yes	Yes	No	No	No		23,091	T34	TGCTGCTTAACAC
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m3	64	2.1	-0.21	-2.69	-2.62	Yes	Yes	No	No	No		9,312	T34	TTCTGGGAACACG
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m4	93	3.1	-0.1	-2.78	-2.53	Yes	Yes	No	No	No		25,658	T12	TACCCAGAGATCT
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m5	124	4.1	0.67	-2.19	-1.23	Yes	Yes	Yes	No	Yes	Penicillin	26,585	T12	TGTGCTGTGTAGA
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m6	167	5.5	0.7	-2.85	-1.59	Yes	Yes	No	No	No		30,958	T56 (runs 1 and 2)	ATGAGACTCCACT
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m7	184	6.0	0.34	-2.62	-1.59	Yes	Yes	Yes	No	Yes	Penicillin	17,108	T34	AACCATCGGGTGA
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m6.dr	191	6.3				Yes	Yes	Yes	No	No		21,516	T78	CGTCTGGTTCCTA
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m8	218	7.2	0.09	-2.72	-1.75	Yes	Yes	Yes	No	Yes	Cephalosporins	16,145	T34	TGAGGATGATAGC
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m9	243	8.0	-1.16	-2.97	-2.81	Yes	Yes	Yes	No	No		34,213	T56 (runs 1 and 2)	ACACCTGGTGATC
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m10	274	9.0				Yes	Yes	Yes	No	No		10,589	T34	CGTGGTTAGCATG
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m11	305	10.0	-0.75	-3.77	-2.92	Yes	Yes	Yes	No	No		14,794	T34	TAGAACTCACCTC
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m12	338	11.1	-1.03	-3.46	-2.78	Yes	Yes	Yes	No	No		26,421	T12	GTCATTCACGAGA
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m13	364	12.0	-0.71	-3.58	-2.56	Yes	No	Yes	No	Yes	Macrolides	29,502	T56 (runs 1 and 2)	TAGGATTGCTCGC
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m14	397	13.0	-0.01	-3.78	-2.1	Yes	No	Yes	No	No		13,069	T34	AGAACACGTCTCG
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m15	428	14.1	0.1	-3.91	-2.05	Yes	Yes	Yes	No	No		10,518	T12	CACGAGGTCATTG
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m16	456	15.0	-0.5	-4.09	-2.6	Yes	Yes	Yes	No	Yes	Fluoroquinolones	28,972	T12	TTCGCCCTTCAGT
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m17	488	16.0	-0.45	-3.81	-2.33	Yes	No	Yes	Yes	Yes	Macrolides	6,837	T12	AGGCATCTTACGA

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m18	517	17.0	-0.07	-3.93	-2.11	Yes	No	Yes	No	Yes	Cephalosporins	7,621	T12	GCGATATATCGCT
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m19	548	18.0	-0.62	-3.28	-2.12	Yes	No	Yes	No	No		26,590	T56 (runs 1 and 2)	TGGCACCGATTAC
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m20	580	19.1	-0.98	-3.97	-2.84	Yes	No	Yes	No	No		23,277	TCP2 (runs 1 and 2)	TAAGGTAAGGTGC
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m21	609	20.0	-0.85	-2.74	-2	Yes	No	Yes	No	No		14,055	T78	ATGATGACCCGTA
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m22	639	21.0	-1.6	-2.33	-2.37	Yes	No	Yes	No	Yes	Macrolides	15,895	T78	ATTGGGCTAGGCT
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m23	669	22.0	-1.62	-2.13	-2.3	Yes	No	Yes	No	Yes	Fluoroquinolones	17,136	T78	GGTCAGCTTAACA
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m24	700	23.0	-1.31	-2.29	-2.18	Yes	No	Yes	No	No		33,693	T56 (runs 1 and 2)	ACCACATACATCG
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m24.dr	714	23.5				Yes	No	Yes	No	Yes	Macrolides	19,598	T78	TATGTGGCCCAAT
Healthy Twins & Triplets	Bgtw1	Bgtw1.T1	Bgtw1.T1.m25	730	24.0	-1.57	-2.14	-2.32	Yes	No	Yes	No	Yes	Macrolides	23,059	T56 (runs 1 and 2)	CAGGAAGGTTAAG
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m2	34	1.1				Yes	Yes	No	No	No		15,940	T12	CATCGGTCAAGGA
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m3	64	2.1	-3.2	-1.66	-3.52	Yes	Yes	No	No	No		15,718	T12	GTCATATCGTACG
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m4	92	3.0	-2.29	-2.07	-3.32	Yes	Yes	No	No	No		29,249	T56 (runs 1 and 2)	GGCCACGTAGTAT
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m5	124	4.1	-1.31	-2.46	-2.92	Yes	Yes	Yes	No	No		14,683	T12	GTAAGTCGTGGCA
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m6	167	5.5	0.18	-3.25	-2.36	Yes	Yes	Yes	No	No		26,760	T12	CTGGCCTAGGAAT
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m7	184	6.0	0.14	-3.19	-2.24	Yes	Yes	Yes	No	Yes	Penicillin	16,208	T34	CCTAAGCACATGT
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m8	215	7.1	-0.51	-3.11	-2.53	Yes	Yes	Yes	No	Yes	Cephalosporins	15,905	T12	ATCTCTGGCATAC
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m9	242	8.0	-1.05	-2.88	-2.66	Yes	Yes	Yes	No	No		19,131	T12	TAAGGCCTATCGA
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m10	273	9.0				Yes	Yes	Yes	No	No		19,328	T12	TGCTATATCTGGC
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m11	306	10.1	-1.7	-3.53	-3.4	Yes	Yes	Yes	No	No		23,728	T34	CTATACCACGGAT
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m12	338	11.1	-1.37	-3.7	-3.2	Yes	No	Yes	No	Yes	Macrolides	16,238	T34	CCATAATCCGTAC
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m13	364	12.0	-1.1	-3.77	-3	Yes	Yes	Yes	No	Yes	Macrolides	32,729	T56 (runs 1 and 2)	AGCTGGAAGTCCT

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m14	397	13.0	-0.75	-4.04	-2.87	Yes	Yes	Yes	No	No		14,724	T12	TGAGTTCGCTATC
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m15	426	14.0	-0.59	-4.29	-2.87	Yes	Yes	Yes	No	No		17,997	T12	CTCCTACTGTCTC
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m16	459	15.1	-0.67	-4.5	-3.04	No	Yes	Yes	No	No		7,249	T12	GAGGCCATCAGTA
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m16.dr	473	15.5				Yes	Yes	Yes	Yes	Yes	Fluoroquinolones	12,851	T78	TACGGTATGTCTG
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m17	489	16.1	-0.69	-4.7	-3.16	Yes	No	Yes	Yes	Yes	Penicillin	12,396	T34	GGATGTAAGTAGC
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m18	518	17.0	-1.69	-3.88	-3.3	No	No	Yes	No	No		15,079	T12	ATCCCGAATTTGC
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m19	548	18.0	-0.93	-3.86	-2.72	No	No	Yes	No	Yes	Macrolides	14,375	T78	CCATGCGATAACA
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m21	608	20.0	-0.85	-3.8	-2.64	No	No	Yes	No	No		22,491	T56 (runs 1 and 2)	TAAACCGCGTGTA
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m22	639	21.0	-1.81	-3.47	-3.16	No	No	Yes	No	No		33,338	T56 (runs 1 and 2)	AGCCGGCACATAT
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m23	667	21.9	-1.72	-3.35	-3.05	No	Yes	Yes	No	No		28,780	T56 (runs 1 and 2)	TAACGCTTGGGTA
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m24	699	23.0	-2	-3.14	-3.16	No	No	Yes	No	No		23,784	T56 (runs 1 and 2)	GAAGAAGCGGTAG
Healthy Twins & Triplets	Bgtw1	Bgtw1.T2	Bgtw1.T2.m25	729	24.0	-2.75	-2.65	-3.44	No	No	Yes	No	Yes	Macrolides	22,471	TCP2 (runs 1 and 2)	ATGATGACCCGTA
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m1	4	0.1				Yes	No	No	No	No		25,920	TRX	GACACATTTCTGC
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m2	30	1.0	-1.13	-1.99	-2.41	Yes	No	No	No	No		17,672	T12	AACCATCGGGTGA
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m3	60	2.0				Yes	Yes	No	Yes	No		21,623	T12	TGTTTGAGCTGTC
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m2.dr	61	2.0	-2.81	-1.71	-3.34	Yes	Yes	No	Yes	No		15,958	T78	TGCTGCTTAACAC
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m4	91	3.0	-2.23	-2.15	-3.34	Yes	Yes	No	No	No		15,112	T34	TTGCTGGTCCTCT
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m4.dra	108	3.5				Yes	Yes	No	Yes	Yes	Penicillin	12,320	T78	GTCTCATGTAGGC
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m5	121	4.0	-1.9	-2	-2.92	Yes	Yes	No	No	No		29,675	T12	CAGCTAGAACGCT
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m4.drb	129	4.2				Yes	Yes	No	Yes	No		15,693	T78	AATTAGGCAGAGC
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m6	152	5.0	-0.01	-2.72	-2.07	Yes	Yes	No	No	No		21,908	T56 (runs 1 and 2)	TAAGGTAAGGTGC

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Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m7	183	6.0	-1.09	-2.78	-2.82	Yes	Yes	No	Yes	No		27,899	T56 (runs 1 and 2)	CTCTACCTCTACA
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m8	210	6.9	-2.31	-2.09	-3.07	Yes	Yes	Yes	No	No		11,552	T78	GACTCGAATCGTG
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m8.dr	236	7.8				Yes	Yes	Yes	Yes	No		11,774	T78	TAGACTGTACTCG
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m9	242	8.0	-1.84	-2.46	-2.94	Yes	Yes	Yes	No	Yes	Macrolides	24,943	T56 (runs 1 and 2)	AGCCTAAGCACGT
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m10	271	8.9	-1.66	-2.64	-2.85	Yes	No	Yes	No	No		13,237	T78	CAGGAAGGTTAAG
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m11	302	9.9	-1.13	-2.69	-2.4	Yes	No	No	No	No		17,884	T78	ATGTCGAGAGAAC
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m12	332	10.9	-1.16	-2.75	-2.39	Yes	No	Yes	No	No		31,333	T56 (runs 1 and 2)	AGCAAACACCCGA
Healthy Twins & Triplets	Bgtw10	Bgtw10.T1	Bgtw10.T1.m13	366	12.0	-0.7	-2.77	-2	Yes	No	Yes	No	No		13,461	T78	TCTTCCGCTACTG
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m1	4	0.1				Yes	No	No	No	No		16,227	T12	CGATTTCTCAAGC
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m2	32	1.1	0.08	-2.65	-2.21	Yes	No	No	No	No		16,138	TRX	TAACGCTTGGGTA
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m3	60	2.0				Yes	Yes	No	Yes	No		13,581	T12	TACACGATCTACG
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m2.dr	61	2.0	0.44	-2.84	-2.32	Yes	Yes	No	Yes	No		18,584	T78	ACATAACGCCGTA
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m4	91	3.0	-0.01	-3.1	-2.79	Yes	Yes	No	No	No		13,448	T12	GACTTGGTATTCG
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m4.dra	108	3.5				Yes	Yes	No	Yes	No		12,104	T78	TGACTTTGTGTGC
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m5	121	4.0	-0.4	-3.25	-3.03	Yes	Yes	No	No	No		20,313	T12	CCTGAACTAGTTG
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m4.drb	129	4.2				Yes	Yes	No	Yes	No		30,572	T78	CTATACCACGGAT
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m6	152	5.0	-0.11	-3.71	-3.09	Yes	Yes	No	No	Yes	Macrolides	24,391	T56 (runs 1 and 2)	ACGGCATGGCATA
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m7	183	6.0	-0.7	-3.22	-2.91	Yes	Yes	No	No	No		31,463	T56 (runs 1 and 2)	ATTGGGCTAGGCT
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m8	210	6.9	-1.12	-3.08	-2.98	Yes	Yes	Yes	No	No		24,164	T56 (runs 1 and 2)	CTACCGGATCAAT
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m9	242	8.0	-2.87	-2.08	-3.37	Yes	Yes	Yes	No	Yes		19,361	TCP2 (runs 1 and 2)	CGCCAAATAACCG
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m10	271	8.9				Yes	No	Yes	No	No		28,690	T56 (runs 1 and 2)	AACCGCGGTCAAT

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m9.dr	275	9.0	-2.33	-2.35	-3.12	Yes	No	Yes	Yes	No		17,015	T78	AACGAGAACTGAG
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m11	303	10.0	-1.66	-2.49	-2.66	Yes	No	Yes	No	No		25,150	T56 (runs 1 and 2)	GTATTACGATCCG
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m12	333	10.9	-1.87	-2.44	-2.72	Yes	No	Yes	No	No		15,439	T78	TGTTATCGCACAC
Healthy Twins & Triplets	Bgtw10	Bgtw10.T2	Bgtw10.T2.m13	365	12.0	-1.56	-2.46	-2.45	Yes	No	Yes	No	No		11,466	T78	TGTGTGTGACTTG
Healthy Twins & Triplets	Bgtw11	Bgtw11.T1	Bgtw11.T1.m1	1	0.0				Yes	No	No	No	No		29,064	T56 (runs 1 and 2)	CTAGATTTGCCAC
Healthy Twins & Triplets	Bgtw11	Bgtw11.T1	Bgtw11.T1.m2	26	0.9	0.08	-3.75	-3.05	Yes	No	No	No	No		19,757	T56 (runs 1 and 2)	ACTATTGTCACGC
Healthy Twins & Triplets	Bgtw11	Bgtw11.T1	Bgtw11.T1.m3	60	2.0	-0.24	-3.38	-3.26	Yes	Yes	No	No	No		11,511	T78	AGAGCCTACGTTC
Healthy Twins & Triplets	Bgtw11	Bgtw11.T1	Bgtw11.T1.m4	88	2.9	-0.72	-2.91	-3.1	Yes	Yes	No	No	No		25,919	T56 (runs 1 and 2)	TTAGGGCTCGTAT
Healthy Twins & Triplets	Bgtw11	Bgtw11.T1	Bgtw11.T1.m5	120	3.9	-0.13	-3.5	-3.11	Yes	Yes	Yes	No	No		17,473	T78	CTGGTTAATCTGC
Healthy Twins & Triplets	Bgtw11	Bgtw11.T1	Bgtw11.T1.m6	152	5.0	-0.18	-3.23	-2.7	Yes	Yes	Yes	No	No		17,103	T78	CCTAAGCACATGT
Healthy Twins & Triplets	Bgtw11	Bgtw11.T1	Bgtw11.T1.m7	192	6.3	-0.03	-3.4	-2.6	Yes	No	Yes	No	No		17,252	T78	TAAACCGCGTGTA
Healthy Twins & Triplets	Bgtw11	Bgtw11.T1	Bgtw11.T1.m8	215	7.1	0.33	-3.71	-2.45	Yes	No	Yes	No	No		27,037	T56 (runs 1 and 2)	CCACCTACTCCAT
Healthy Twins & Triplets	Bgtw11	Bgtw11.T1	Bgtw11.T1.m9	243	8.0	0.19	-3.93	-2.6	Yes	No	Yes	No	Yes	Penicillin	35,829	T56 (runs 1 and 2)	CAGGCGTATTGGA
Healthy Twins & Triplets	Bgtw11	Bgtw11.T1	Bgtw11.T1.m10	278	9.1	-0.76	-4.03	-3.25	Yes	No	Yes	No	No		16,815	T78	CTCGGCAATTATG
Healthy Twins & Triplets	Bgtw11	Bgtw11.T1	Bgtw11.T1.m11	306	10.1	-0.48	-3.83	-2.74	Yes	No	Yes	No	No		15,235	T78	GGATAGCCACTTC
Healthy Twins & Triplets	Bgtw11	Bgtw11.T1	Bgtw11.T1.m12	336	11.0	-0.32	-4.06	-2.71	Yes	No	Yes	No	No		16,707	T78	TACGTAGTTTCGC
Healthy Twins & Triplets	Bgtw11	Bgtw11.T2	Bgtw11.T2.m1	5	0.2				Yes	No	No	No	No		14,667	T78	ACGGCATGGCATA
Healthy Twins & Triplets	Bgtw11	Bgtw11.T2	Bgtw11.T2.m2	32	1.1	-1.67	-2.68	-3.21	Yes	No	No	No	No		17,743	T78	TAACACCACATCG
Healthy Twins & Triplets	Bgtw11	Bgtw11.T2	Bgtw11.T2.m3	60	2.0	-0.52	-2.25	-2.42	Yes	Yes	No	No	No		10,855	T78	TCGGAGTGTTGTG
Healthy Twins & Triplets	Bgtw11	Bgtw11.T2	Bgtw11.T2.m4	88	2.9	0.89	-3.41	-2.46	Yes	Yes	No	No	No		50,303	T56 (runs 1 and 2)	TGAGCCGGAATCT
Healthy Twins & Triplets	Bgtw11	Bgtw11.T2	Bgtw11.T2.m5	122	4.0	0.38	-3.18	-2.41	Yes	No	Yes	No	No		26,930	T56 (runs 1 and 2)	TCCGAATTCACAG

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw11	Bgtw11.T2	Bgtw11.T2.m6	150	4.9	-0.49	-2.69	-2.42	Yes	Yes	Yes	No	No		15,461	T78	ACAAGGAGGTGAT
Healthy Twins & Triplets	Bgtw11	Bgtw11.T2	Bgtw11.T2.m6.dr	176	5.8	-0.61	-2.78	-2.47	Yes	No	Yes	No	No		7,466	T78	ACCTGGGCATTAG
Healthy Twins & Triplets	Bgtw11	Bgtw11.T2	Bgtw11.T2.m7	190	6.2				Yes	No	Yes	No	No		35,730	T56 (runs 1 and 2)	CAGTGCATATGCT
Healthy Twins & Triplets	Bgtw11	Bgtw11.T2	Bgtw11.T2.m8	218	7.2	-1.94	-2.81	-3.33	Yes	No	Yes	No	No		15,537	T78	CGGACTACAACTG
Healthy Twins & Triplets	Bgtw11	Bgtw11.T2	Bgtw11.T2.m9	242	8.0	-1.85	-2.87	-3.23	Yes	No	Yes	No	No		22,274	T56 (runs 1 and 2)	TCAACAGCATCGT
Healthy Twins & Triplets	Bgtw11	Bgtw11.T2	Bgtw11.T2.m10	277	9.1	-1.5	-2.88	-2.9	Yes	No	Yes	No	No		15,253	T78	TCTGCAGTTGGAC
Healthy Twins & Triplets	Bgtw11	Bgtw11.T2	Bgtw11.T2.m12	339	11.1	-0.81	-3.23	-2.46	Yes	No	Yes	No	No		15,733	TRX	CCAGTGTATGCAT
Healthy Twins & Triplets	Bgtw11	Bgtw11.T2	Bgtw11.T2.m12.dr	368	12.1	-0.8	-3.03	-2.25	Yes	No	Yes	No	No		15,092	TRX	GTCAATTGACCGC
Healthy Twins & Triplets	Bgtw12	Bgtw12.T1	Bgtw12.T1.m1	6	0.2	-2.15	-0.93	-1.81	Yes	No	No	No	No		55,786	T56 (runs 1 and 2)	TGACCTCCAAGAT
Healthy Twins & Triplets	Bgtw12	Bgtw12.T1	Bgtw12.T1.m2	31	1.0	-0.17	-2.8	-2.59	Yes	No	No	No	Yes	Cephalosporins	10,697	T78	AAGATGGATCAGC
Healthy Twins & Triplets	Bgtw12	Bgtw12.T1	Bgtw12.T1.m3	61	2.0	1.35	-4.22	-3.06	Yes	Yes	No	No	No		20,535	TCP2 (runs 1 and 2)	AGAGCCTACGTTC
Healthy Twins & Triplets	Bgtw12	Bgtw12.T1	Bgtw12.T1.m4	91	3.0	0.97	-4.41	-3.36	No	Yes	No	No	Yes	Penicillin	15,930	T78	CGACATGCTATTC
Healthy Twins & Triplets	Bgtw12	Bgtw12.T1	Bgtw12.T1.m5	125	4.1	0.97	-5.46	-4.11	Yes	Yes	No	No	No		12,982	T78	CGCCAAATAACCG
Healthy Twins & Triplets	Bgtw12	Bgtw12.T1	Bgtw12.T1.m6	157	5.2	0	-4.57	-3.65	No	Yes	No	No	Yes	Penicillin	16,916	T56 (runs 1 and 2)	TTATGCAGTCGTG
Healthy Twins & Triplets	Bgtw12	Bgtw12.T1	Bgtw12.T1.m7	187	6.1	0.94	-4.64	-2.81	No	Yes	No	No	No		34,019	T56 (runs 1 and 2)	GTCCGAAACACTA
Healthy Twins & Triplets	Bgtw12	Bgtw12.T1	Bgtw12.T1.m8	216	7.1	1.91	-4.92	-2.09	No	Yes	No	No	No		24,886	T56 (runs 1 and 2)	CAGCGGTGACATA
Healthy Twins & Triplets	Bgtw12	Bgtw12.T1	Bgtw12.T1.m9	245	8.0	1.79	-4.97	-2.02	No	No	No	No	No		14,414	T78	GAGTATGCAGCCA
Healthy Twins & Triplets	Bgtw12	Bgtw12.T1	Bgtw12.T1.m9.dr	258	8.5				No	No	Yes	Yes	Yes	Fluoroquinolones	21,823	T78	CCTATCCTTGGCT
Healthy Twins & Triplets	Bgtw12	Bgtw12.T1	Bgtw12.T1.m10	278	9.1	1.7	-5	-1.95	No	No	Yes	No	No		20,789	T78	ACATCCGCGAAGT
Healthy Twins & Triplets	Bgtw12	Bgtw12.T1	Bgtw12.T1.m11	307	10.1	2.91	-5.09	-0.91	No	Yes	Yes	No	Yes	Cephalosporins	33,489	TCP2 (runs 1 and 2)	CTCGAGAGTACGA
Healthy Twins & Triplets	Bgtw12	Bgtw12.T1	Bgtw12.T1.m12	337	11.1	2.7	-5	-0.89	No	No	Yes	No	No		16,556	TRX	GGAGACAAGGGAT

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw12	Bgtw12.T1	Bgtw12.T1.m13	372	12.2	1.55	-3.57	-0.75	No	No	Yes	No	No		22,296	TRX	CCTCGTTCGACTA
Healthy Twins & Triplets	Bgtw12	Bgtw12.T2	Bgtw12.T2.m1	6	0.2	-5.38	-1.03	-3.65	Yes	No	No	No	No		24,577	T56 (runs 1 and 2)	GCAGGATAGATAG
Healthy Twins & Triplets	Bgtw12	Bgtw12.T2	Bgtw12.T2.m2	31	1.0	-2.84	-2.55	-3.82	Yes	No	No	No	No		15,560	T56 (runs 1 and 2)	GTACCTAATTGCG
Healthy Twins & Triplets	Bgtw12	Bgtw12.T2	Bgtw12.T2.m3	61	2.0	-2.03	-2.97	-3.98	Yes	Yes	No	No	No		18,462	T56 (runs 1 and 2)	CGCAGCGGTATAT
Healthy Twins & Triplets	Bgtw12	Bgtw12.T2	Bgtw12.T2.m4	95	3.1	-0.75	-3.87	-3.92	Yes	Yes	No	No	No		23,992	T56 (runs 1 and 2)	GGAAACCACCACA
Healthy Twins & Triplets	Bgtw12	Bgtw12.T2	Bgtw12.T2.m5	125	4.1	-0.72	-4.34	-4.1	Yes	Yes	No	No	No		20,351	TRX	TGGCACCGATTAC
Healthy Twins & Triplets	Bgtw12	Bgtw12.T2	Bgtw12.T2.m6	161	5.3	-1.25	-4.15	-4.03	Yes	No	No	No	Yes	Macrolides	17,838	T78	TAGCGGATCACGT
Healthy Twins & Triplets	Bgtw12	Bgtw12.T2	Bgtw12.T2.m7	189	6.2	-0.83	-3.85	-3.33	Yes	Yes	No	No	No		24,151	T56 (runs 1 and 2)	CCATAGGGTTCAT
Healthy Twins & Triplets	Bgtw12	Bgtw12.T2	Bgtw12.T2.m8	222	7.3	-0.66	-4.14	-3.29	Yes	No	No	No	No		25,537	T56 (runs 1 and 2)	AATGGAGCATGAC
Healthy Twins & Triplets	Bgtw12	Bgtw12.T2	Bgtw12.T2.m9	245	8.0	0.69	-4.16	-2.18	Yes	No	Yes	No	No		13,818	T78	GACTCACTCAATC
Healthy Twins & Triplets	Bgtw12	Bgtw12.T2	Bgtw12.T2.m10	278	9.1	1.08	-4.25	-1.83	No	No	Yes	No	No		14,140	T78	GTCCATAGCTAGT
Healthy Twins & Triplets	Bgtw12	Bgtw12.T2	Bgtw12.T2.m11	307	10.1	1.7	-4.18	-1.19	No	No	Yes	No	No		12,350	T78	GTTTCTAGAGCTC
Healthy Twins & Triplets	Bgtw12	Bgtw12.T2	Bgtw12.T2.m12	347	11.4	1.57	-4.1	-1.14	Yes	No	Yes	No	No		16,546	TRX	TCTAGCGTAGTGC
Healthy Twins & Triplets	Bgtw12	Bgtw12.T2	Bgtw12.T2.m13	372	12.2	1.27	-3.57	-0.97	Yes	No	Yes	No	No		15,486	TRX	AATCAGTCTCGTG
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m2	31	1.0				Yes	No	No	No	No		23,589	T34	CCTCCATGAGAAT
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m3	60	2.0	-0.99	-5.17	-5	Yes	Yes	No	No	No		21,198	T34	TCCCAACTTCGCA
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m2.dr	63	2.1				Yes	Yes	No	No	No		20,322	T78	CCTACTGTGCCTA
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m4	94	3.1	-2.28	-5.16	-5.65	Yes	Yes	Yes	No	No		21,485	T12	AAGCCTACACGTA
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m5	123	4.0	-1.17	-5.85	-5.57	Yes	Yes	No	No	No		19,875	T34	CCAATCACTATGC
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m6	154	5.1	-0.61	-5.4	-4.76	Yes	Yes	No	No	No		18,589	T34	GGTAGGAACAATG
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m7	184	6.0	-0.63	-4.55	-3.88	Yes	Yes	No	No	No		17,802	T34	TGTCTTGATAGCG

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m6.dr	192	6.3				Yes	Yes	No	Yes	No		24,323	T78	TTGCTGGTCCTCT
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m8	214	7.0	-0.27	-5.38	-4.09	Yes	Yes	No	No	No		10,757	T34	TGATCAGAAGAGC
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m9	240	7.9	-3.09	-4.97	-5.16	Yes	Yes	Yes	No	No		19,132	T12	GAGGCTCATCATC
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m10	275	9.0	-0.94	-4.99	-3.83	Yes	Yes	Yes	No	Yes	Macrolides	12,582	T34	GTCTCATGTAGGC
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m11	302	9.9	-1.78	-4.64	-4	Yes	Yes	No	No	No		27,444	T56 (runs 1 and 2)	CTTCGGCAGAATC
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m12	333	10.9	-1.35	-4.93	-3.84	Yes	Yes	Yes	No	No		22,849	T12	CATCCAAATGCGA
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m13	365	12.0	-0.23	-5.11	-3.15	Yes	Yes	Yes	No	No		22,239	T34	TCTGCAGTTGGAC
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m14	396	13.0	0.3	-5.33	-2.86	Yes	Yes	Yes	No	No		18,133	T12	AATGCCTCAACTG
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m15	428	14.1	-0.19	-5.37	-3.17	Yes	Yes	Yes	No	No		12,529	T34	GCGACTTGTGTAG
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m16	458	15.0	-1.17	-4.5	-3.22	Yes	Yes	Yes	No	No		28,461	TCP2 (runs 1 and 2)	TCAAGCTCAAGCA
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m17	491	16.1	-1.64	-3.77	-3.07	Yes	Yes	Yes	No	No		11,274	T12	CTTGTGTCGATAG
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m18	518	17.0	-1.31	-3.81	-2.85	Yes	Yes	Yes	No	No		17,516	T12	ACACGTAAGCCTG
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m19	547	18.0	-0.6	-3.87	-2.36	Yes	Yes	Yes	No	Yes	Macrolides	12,749	T78	TCGTCGATAATCG
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m20	583	19.2	-1.6	-3.87	-3.06	Yes	Yes	Yes	No	No		14,750	T78	AGTTCCCGAGTAT
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m21	609	20.0	-1.6	-3.96	-3.12	Yes	Yes	Yes	No	No		18,434	T78	ATGCGTAGTGCGT
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m22	639	21.0	-1.72	-4.05	-3.24	Yes	Yes	Yes	No	No		13,388	T78	GTGGGATGTTTCT
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m23	668	21.9	-2.18	-3.92	-3.47	Yes	No	Yes	No	No		15,876	T78	TGTCTTGATAGCG
Healthy Twins & Triplets	Bgtw2	Bgtw2.T1	Bgtw2.T1.m24	701	23.0	-1.86	-3.89	-3.27	Yes	No	Yes	No	Yes	Macrolides	14,545	T78	AATCTTGCTGCAC
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m2	31	1.0				Yes	No	No	No	No		6,299	T34	GCGTGTTAAACCG
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m3	60	2.0	-2.17	-4.32	-4.9	Yes	No	No	No	No		16,510	T12	TTATCACGTGCAC
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m2.dr	63	2.1				Yes	Yes	No	No	No		14,837	T78	AGTTAGTGCGTCT

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m4	94	3.1	-2.22	-4.75	-5.32	Yes	No	No	No	No		22,437	T34	TAGACTGTACTCG
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m5	123	4.0	-2.4	-4.88	-5.47	Yes	Yes	No	No	No		16,463	T12	GACAGGAGATAGC
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m6	154	5.1	-1.04	-3.85	-3.84	Yes	Yes	No	No	No		20,140	T34	CATCCAAATGCGA
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m7	184	6.0	-0.41	-3.69	-3.18	Yes	Yes	No	No	No		18,387	T34	CCTATCCTTGGCT
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m6.dr	192	6.3				Yes	Yes	No	Yes	No		14,170	T78	CGCAAATTCGACG
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m8	214	7.0	0.3	-4.45	-3.14	Yes	Yes	No	No	No		21,253	T34	CAACGGGTAGTCT
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m9	240	7.9	0.17	-4.36	-3	Yes	No	Yes	No	No		16,792	T34	CGACATGCTATTC
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m10	275	9.0	-0.46	-3.76	-2.78	Yes	No	Yes	No	Yes	Macrolides	19,305	T34	AGCTATCCACGAT
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m11	302	9.9	-0.64	-4.05	-3.06	Yes	No	Yes	No	No		14,662	T12	GTGCCGGTGATAT
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m12	333	10.9	-0.16	-4.41	-2.87	Yes	Yes	Yes	No	No		13,866	T34	GTCGTCCTAAATC
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m13	365	12.0	0.26	-4.7	-2.69	Yes	Yes	Yes	No	No		13,489	T34	TGTGAGCACGGTA
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m14	396	13.0	0.77	-4.95	-2.39	Yes	Yes	Yes	No	No		13,529	T12	TCCTCTGTCGACA
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m15	426	14.0	0.45	-4.82	-2.46	Yes	Yes	Yes	No	No		25,412	T56 (runs 1 and 2)	GAATCTTCGAGCG
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m16	457	15.0	0.76	-4.88	-2.2	Yes	Yes	Yes	No	No		16,870	T12	CTTCGGCAGAATC
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m17	491	16.1	-1.07	-3.88	-2.87	Yes	Yes	Yes	No	No		18,262	T12	GGAAACCACCACA
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m18	518	17.0	-0.63	-3.93	-2.54	Yes	Yes	Yes	No	No		22,308	T34	ACGGCCAATCGAT
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m19	547	18.0	-1.96	-4.02	-3.56	Yes	Yes	Yes	No	Yes	Macrolides	14,645	T78	CCATACATAGCTG
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m20	581	19.1	0.05	-4.44	-2.34	Yes	Yes	Yes	No	No		19,503	T78	TACTTCGCTCGCA
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m21	609	20.0	-1.84	-3.77	-3.34	Yes	Yes	Yes	No	No		29,565	T56 (runs 1 and 2)	GCTCGAAGATCGT
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m22	639	21.0	-1.59	-3.7	-3.14	Yes	Yes	Yes	No	No		21,463	T56 (runs 1 and 2)	GTGGGATGTTTCT
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m23	668	21.9	-1.94	-3.83	-3.47	Yes	No	Yes	No	No		33,575	T56 (runs 1 and 2)	GCACGACAACACA

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw2	Bgtw2.T2	Bgtw2.T2.m24	701	23.0	-1.64	-3.94	-3.35	Yes	No	Yes	No	No		45,521	T56 (runs 1 and 2)	GTATGCGCTGTAT
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m1	8	0.3				Yes	Yes	No	No	No		24,876	T34	TAACTCTGATGCG
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m3	61	2.0	-1.11	-1.97	-2.57	Yes	Yes	No	No	No		21,788	T34	ATTCTGTGAGCGA
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m4	92	3.0	-1	-1.17	-1.6	Yes	Yes	No	No	No		18,261	T34	CTCCTGAAAGTTG
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m5	123	4.0	-0.92	-1.66	-1.87	Yes	Yes	No	No	No		15,439	T34	ACAATCGGTTGCG
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m4.dr	134	4.4				Yes	Yes	No	Yes	No		12,394	T78	GGTGAAGATACAG
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m5.dr	141	4.6				Yes	Yes	No	Yes	No		20,039	T78	ATGAGTTGGAAGC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m6	151	5.0	-1.2	-1.48	-1.85	Yes	Yes	No	No	No		15,760	T34	TGAGTTCGCTATC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m7	179	5.9	-0.65	-1.47	-1.43	Yes	Yes	No	No	No		10,980	T78	CACGTCGATGGAT
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m8	215	7.1	-0.71	-1.61	-1.53	Yes	Yes	Yes	No	No		14,861	T12	TTAGGTGCAGCTC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m9	240	7.9	-0.47	-1.53	-1.27	Yes	Yes	Yes	No	No		8,892	T78	AGCGATGCCTTAT
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m10	274	9.0				Yes	Yes	Yes	Yes	No		14,051	T34	ATCTCTGGCATAC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m9.dr	276	9.1	-0.13	-1.97	-1.23	Yes	Yes	Yes	Yes	Yes	Cephalosporins	12,468	T78	TCGAATCACAGCG
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m11	304	10.0	-0.17	-1.71	-1.06	Yes	Yes	Yes	No	No		16,519	T34	TCCATAACTAGCG
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m12	343	11.3	0.19	-1.85	-0.82	Yes	Yes	Yes	No	No		19,450	T12	GGTAACAGCTCGA
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m13	367	12.1	-0.14	-1.76	-0.97	Yes	Yes	Yes	No	No		16,888	T34	TGACTTTGTGTGC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m14	403	13.2	-0.79	-1.68	-1.37	Yes	Yes	Yes	No	No		25,122	TCP2 (runs 1 and 2)	CGACTGTCTTAAC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m15	431	14.2	-0.37	-1.92	-1.16	Yes	Yes	Yes	No	No		10,668	T12	TTGCGCATACTAG
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m16	462	15.2	-0.84	-1.68	-1.39	Yes	Yes	Yes	No	No		16,868	T34	CATATCGCAGTTG
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m17	490	16.1	-0.94	-1.76	-1.49	Yes	Yes	Yes	No	No		16,936	T56 (runs 1 and 2)	TTGATGCTATGCG
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m18.dr	530	17.4	-0.93	-1.87	-1.54	Yes	Yes	Yes	Yes	No		11,451	T78	GGTGGAATAGAGC

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m19	549	18.0	-0.4	-1.74	-1.1	Yes	Yes	Yes	No	No		8,972	T78	ATACACGTGGCGT
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m20	578	19.0	-0.88	-1.22	-1.24	Yes	Yes	Yes	No	No		27,708	T56 (runs 1 and 2)	CGGACTACAACTG
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m21	607	19.9	-0.8	-1.05	-1.13	Yes	Yes	Yes	No	No		18,265	T56 (runs 1 and 2)	ATACCTTCGGTAC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T1	Bgtw3.T1.m22	638	21.0	-0.45	-0.98	-0.84	Yes	No	Yes	No	No		28,540	T56 (runs 1 and 2)	CCTCTCGTGATCA
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m1	8	0.3				Yes	Yes	No	No	No		27,017	T34	TAAAGTCACCCTC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m2	31	1.0	-1.26	-2.79	-3.2	Yes	Yes	No	No	No		20,925	T12	CCATAATCCGTAC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m3	61	2.0	0.01	-2.72	-2.57	Yes	Yes	No	No	No		19,606	T12	TCGAGTTTGGTTC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m4	92	3.0	-0.21	-2.44	-2.23	Yes	Yes	No	No	No		15,486	T34	CGATTTCTCAAGC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m5	123	4.0	0.17	-3.01	-2.35	Yes	Yes	No	No	No		18,502	T34	GACTGATCATCTC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m4.dr	134	4.4				Yes	Yes	No	Yes	No		12,588	T78	AATACCGCTTTGC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m5.dra	143	4.7				Yes	Yes	No	Yes	No		25,424	T78	ATAGCGGTCTGGA
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m5.drb	148	4.9				Yes	Yes	No	Yes	No		25,228	T78	TCCCAACTTCGCA
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m6	158	5.2	-0.5	-2.8	-2.36	Yes	Yes	No	No	No		11,576	T78	GTGTTGCAGCATG
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m7	179	5.9	-1.11	-1.94	-2.07	Yes	Yes	No	No	No		15,392	T34	CTGGTTAATCTGC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m8	214	7.0	-1.38	-1.75	-2.09	Yes	Yes	No	No	No		15,256	T78	AACCACACATCGC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m9	240	7.9	-0.21	-2.26	-1.53	Yes	Yes	Yes	No	No		12,135	T34	GCCGAGATTGGTA
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m10	271	8.9				Yes	Yes	Yes	No	No		13,139	T12	GTTACGCATTACG
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m9.dr	276	9.1	-0.03	-2.5	-1.48	Yes	Yes	Yes	No	Yes	Fluoroquinolones	29,552	T78	GCACTTTACCAAG
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m11	308	10.1	-0.02	-2.37	-1.33	Yes	Yes	Yes	No	No		12,736	T34	CTGTAGGAGACCA
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m11.dr	325	10.7				Yes	Yes	Yes	Yes	Yes	Fluoroquinolones	16,166	T78	ACTATTGTCACGC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m12	340	11.2	-0.1	-2.02	-1.13	Yes	Yes	No	No	Yes	Other	23,553	T12	GCACTACCGAATA

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m13	367	12.1	-0.83	-2.22	-1.73	Yes	Yes	Yes	No	No		14,371	T34	ATACACGTGGCGT
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m14	400	13.1	-0.64	-2.46	-1.69	Yes	Yes	Yes	No	No		11,966	T12	ATCGATCTGTGGT
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m15	431	14.2	-1.35	-2.52	-2.2	Yes	Yes	Yes	No	No		22,683	T12	GGAGGTTATCCGT
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m16	460	15.1	-1.17	-2.36	-1.96	Yes	Yes	Yes	No	No		27,216	TCP2 (runs 1 and 2)	TGTAATTGTCGCG
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m17	487	16.0	-1.19	-1.87	-1.72	Yes	Yes	Yes	No	No		19,784	T56 (runs 1 and 2)	CGCCAAATAACCG
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m19	549	18.0	-0.74	-1.37	-1.19	Yes	Yes	Yes	No	No		13,744	T56 (runs 1 and 2)	GAATGATGAGTGC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m20	578	19.0	-1.12	-1.26	-1.43	Yes	Yes	Yes	No	No		23,415	T56 (runs 1 and 2)	GGTCAGCTTAACA
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m21	607	19.9	-0.49	-1.58	-1.15	Yes	Yes	Yes	No	No		15,062	T56 (runs 1 and 2)	GACACATTTCTGC
Healthy Twins & Triplets	Bgtw3	Bgtw3.T2	Bgtw3.T2.m22	639	21.0	-0.53	-1.19	-1.01	Yes	No	Yes	No	No		23,539	T56 (runs 1 and 2)	GTCTAATTCCGAG
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m1	1	0.0				No	Yes	No	No	No		6,058	T34	TACCCAGAGATCT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m2	32	1.1	1.94	-4.53	-2.58	Yes	Yes	No	No	No		5,703	T12	TCTAGCGTAGTGC
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m3	61	2.0	-1.44	-3.82	-4.25	Yes	Yes	No	No	No		16,832	T12	ACGTAGCATTTCG
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m4	92	3.0	0.14	-3.9	-3.44	Yes	Yes	No	No	No		53,899	T56 (runs 1 and 2)	GGAGACAAGGGAT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m5	123	4.0	0.35	-3.63	-2.86	Yes	Yes	No	No	Yes	Macrolides	23,045	TCP2 (runs 1 and 2)	GACTCGAATCGTG
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m6	151	5.0	-0.13	-3.42	-2.84	Yes	Yes	No	No	No		36,138	T56 (runs 1 and 2)	CCAGTGTATGCAT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m7	181	5.9				Yes	Yes	No	No	Yes	Macrolides	21,636	T12	CTAGCGAACATCG
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m8	211	6.9	-0.92	-2.71	-2.53	Yes	Yes	No	No	No		16,336	T34	TAATCGGATTCCG
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m9	242	8.0	-0.53	-3.16	-2.49	Yes	Yes	No	No	No		17,426	T34	CGTCTGGTTCCTA
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m10	277	9.1	-0.96	-2.65	-2.33	Yes	Yes	Yes	No	No		18,331	T34	TAACAAGGAACGC
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m11	305	10.0	-0.95	-2.65	-2.24	Yes	Yes	Yes	No	No		16,924	T12	GGTGTCTATTGTG
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m12	336	11.0	-0.59	-2.96	-2.09	Yes	Yes	Yes	No	No		20,592	T12	AGAACACGTCTCG

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m13	364	12.0	-0.13	-3.15	-1.81	Yes	Yes	Yes	No	No		13,335	T12	ACACAAAGGGAGC
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m14	397	13.0	0.33	-3.41	-1.57	Yes	Yes	Yes	No	No		23,153	T34	CACGTCGATGGAT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m15	426	14.0	-0.31	-3.52	-2.1	Yes	Yes	Yes	No	No		17,264	T12	GAAGTTGGAAGTG
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m16	456	15.0	-0.75	-3.75	-2.56	Yes	Yes	Yes	No	No		25,976	T56 (runs 1 and 2)	TGGCAAGACTCTG
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m18	517	17.0	-0.05	-3.8	-2	Yes	Yes	Yes	No	No		34,201	T56 (runs 1 and 2)	CCAAGTCTTACAC
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m18.dra	532	17.5				Yes	Yes	Yes	Yes	No		33,540	T78	GACGAGTCAGTCT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m18.drb	545	17.9	0.22	-3.89	-1.85	Yes	Yes	Yes	No	No		25,019	T78	CCAATCACTATGC
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m18.drc	553	18.2				Yes	Yes	Yes	No	No		14,627	T78	GTCCAGTAATGCA
Healthy Twins & Triplets	Bgtw4	Bgtw4.T1	Bgtw4.T1.m20	575	18.9	0.67	-3.93	-1.52	Yes	Yes	Yes	No	No		16,873	TRX	ATGAGACTCCACT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m1	1	0.0				No	Yes	No	No	No		8,446	T34	CATGTTGGCATGT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m2	32	1.1	-2.02	-4.33	-4.51	Yes	Yes	No	No	No		12,782	T12	CTATTTGCGACAG
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m3	61	2.0	-1.11	-3.97	-4.19	Yes	Yes	No	No	No		19,277	T34	TGTTTGAGCTGTC
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m4	92	3.0	0.57	-3.86	-3.11	Yes	Yes	No	No	No		27,282	T12	GAGGAATAGCAGT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m5	123	4.0	-0.89	-2.71	-2.85	Yes	Yes	No	No	No		19,529	T34	CATCGGTCAAGGA
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m6	151	5.0	-0.5	-2.78	-2.51	Yes	Yes	No	No	No		36,739	T56 (runs 1 and 2)	GCACACACGTTAT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m8	211	6.9	-0.61	-2.28	-1.97	Yes	Yes	No	No	No		11,872	T34	AAGTGGACTCTCA
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m9	242	8.0	-0.29	-2.69	-1.94	Yes	Yes	No	No	No		30,739	T34	TCCAGGCTTAATC
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m10	271	8.9	-0.77	-2.73	-2.25	Yes	Yes	Yes	No	No		15,222	T34	ATGGATACGCTCT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m11	306	10.1	-0.54	-3.1	-2.24	Yes	Yes	Yes	No	No		15,115	T12	GTACGTGGGATCT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m12	334	11.0	-0.18	-3.39	-2.08	Yes	Yes	Yes	No	No		5,158	T12	CCTCTACCTACGA
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m13	364	12.0	0.23	-3.54	-1.8	Yes	Yes	Yes	No	No		17,604	T34	GGTACATCGGTTG

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m14	395	13.0	0.45	-3.71	-1.68	Yes	Yes	Yes	No	No		14,651	T34	TACGTCCCGTTCA
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m15	425	14.0	0.61	-3.74	-1.53	Yes	Yes	Yes	No	No		11,880	T34	TGGAGCACGTTGT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m15.dr	456	15.0	0.82	-3.9	-1.43	Yes	Yes	Yes	No	No		3,417	TCP2 (runs 1 and 2)	GTGGGATGTTTCT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m17	488	16.0	0.54	-4.02	-1.71	Yes	Yes	Yes	No	No		21,029	T78	TGACCTCCAAGAT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m18	516	17.0	0.43	-3.84	-1.65	Yes	Yes	Yes	No	No		34,142	T56 (runs 1 and 2)	TACTAATCTGCGC
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m19	545	17.9	0.77	-3.92	-1.43	Yes	Yes	Yes	No	Yes	Macrolides	16,513	T78	CGTGACAATGTCA
Healthy Twins & Triplets	Bgtw4	Bgtw4.T2	Bgtw4.T2.m19.dr	581	19.1	0.35	-4	-1.81	Yes	Yes	Yes	Yes	No		15,736	T78	CGTGGTTAGCATG
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m1	7	0.2				Yes	Yes	No	No	No		33,629	T12	CCTTGGCTATCCT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m2	32	1.1	-2.05	-4.38	-4.56	Yes	Yes	No	No	No		24,878	T12	TGGACACCGAACA
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m3	61	2.0	-1.47	-2.99	-3.64	Yes	Yes	No	No	No		16,962	T12	GGATCGCAGATCA
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m4	92	3.0	-0.4	-3.19	-3.13	Yes	Yes	No	No	No		26,946	T12	ACACCTGGTGATC
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m5	123	4.0	-1.39	-1.97	-2.53	Yes	Yes	No	No	No		16,286	T34	AATACCGCTTTGC
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m6	151	5.0	-1.45	-2.06	-2.57	Yes	Yes	No	No	No		23,346	T12	TAAAGTCACCCTC
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m5.dr	160	5.3				Yes	Yes	No	Yes	No		16,729	T78	GATTGGTTGCACG
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m8	214	7.0	-1.82	-1.98	-2.64	Yes	Yes	No	No	No		16,013	T34	AAGCCTACACGTA
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m8.dr	228	7.5				Yes	Yes	No	No	Yes	Metronidazole	15,750	T78	AGGGACGATAATG
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m9	242	8.0	-1.22	-2.48	-2.49	Yes	Yes	No	No	Yes	Penicillin	29,676	T56 (runs 1 and 2)	GAGGCTCATCATC
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m10	272	8.9	-1.48	-2.03	-2.29	Yes	Yes	Yes	No	No		16,395	T34	GGTGAAGATACAG
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m10.dr	285	9.4				Yes	No	Yes	Yes	No		34,186	T78	CACATCTAACACG
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m11	305	10.0	-1.35	-2.21	-2.24	Yes	No	Yes	No	No		14,178	T12	ACGCGCAGATACT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m12	334	11.0	-1.09	-2.36	-2.08	Yes	Yes	Yes	No	No		23,545	T12	CAGCATGTGTTGT

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m13	364	12.0	-0.59	-2.6	-1.81	Yes	Yes	Yes	No	No		17,958	T12	AATCAGTCTCGTG
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m14	395	13.0	-0.96	-2.91	-2.24	Yes	Yes	Yes	No	No		19,236	T12	ATGTGCACGACTA
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m15	425	14.0	-0.75	-2.96	-2.07	Yes	Yes	Yes	No	No		24,882	T12	ATGAGACTCCACT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m16	456	15.0	-2.02	-3.1	-3.09	Yes	Yes	Yes	No	No		18,946	T78	AACGCCGAATGCA
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m17	487	16.0	-3.52	-2.66	-3.84	Yes	Yes	Yes	No	No		19,274	T56 (runs 1 and 2)	CTCGAGAGTACGA
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m18	516	17.0	-3.35	-2.47	-3.62	Yes	Yes	Yes	No	No		36,422	TCP2 (runs 1 and 2)	ATTAGTTCGCGTC
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m19	545	17.9	-3.38	-2.06	-3.45	Yes	Yes	Yes	No	No		28,525	T56 (runs 1 and 2)	ATGGACCGAACCT
Healthy Twins & Triplets	Bgtw4	Bgtw4.T3	Bgtw4.T3.m20	575	18.9	-3.01	-2.18	-3.26	Yes	Yes	Yes	No	No		20,398	T78	AGCCTAAGCACGT
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m2	31	1.0				Yes	No	No	No	No		19,166	T12	CACACAGCGTTAG
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m3	67	2.2	-0.7	-6.47	-5.66	Yes	Yes	No	No	No		15,837	T12	ATTCCTGTGAGTC
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m4	97	3.2	1.85	-4.58	-2.94	Yes	Yes	No	No	No		24,965	T12	TAACTCTGATGCG
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m5	123	4.0	0.78	-5.54	-4.31	Yes	Yes	No	No	No		14,303	T34	GGTGGAATAGAGC
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m6	152	5.0	0.09	-5.32	-4.32	Yes	Yes	No	No	No		15,809	T34	ACACAAAGGGAGC
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m7	184	6.0	0.21	-5.3	-3.86	Yes	Yes	No	No	No		20,412	T34	GAGGCCATCAGTA
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m8	213	7.0	-0.67	-4.68	-3.77	Yes	Yes	No	No	No		20,844	T34	GCTGGGTCATATG
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m9	242	8.0	-0.24	-4.77	-3.39	Yes	Yes	Yes	No	No		21,381	T34	TCGCATGAAGTCT
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m10	274	9.0	-0.64	-3.78	-2.79	Yes	Yes	Yes	No	No		43,669	T56 (runs 1 and 2)	CCTCGTTCGACTA
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m11	307	10.1	-0.65	-3.97	-2.82	Yes	Yes	Yes	No	No		17,648	T34	CTGGAAATCTGCA
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m12	334	11.0	-1.55	-3.97	-3.35	Yes	Yes	Yes	No	No		11,110	T12	TCCGACACAATTC
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m13	365	12.0	-1.09	-3.78	-2.87	Yes	Yes	Yes	No	No		12,802	T34	GCTAATTACGCTG
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m14	395	13.0	-0.9	-3.91	-2.75	Yes	Yes	Yes	No	No		16,595	T56 (runs 1 and 2)	GACAGGAGATAGC

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m15	430	14.1	-0.6	-3.69	-2.36	Yes	Yes	Yes	No	No		20,968	T12	GACGGAACCCATA
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m16	458	15.0	-0.75	-3.67	-2.41	Yes	Yes	Yes	No	No		13,149	T78	TCTGTTGCTCTCG
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m17	492	16.2	-0.56	-3.7	-2.26	Yes	Yes	Yes	No	No		17,548	TCP2 (runs 1 and 2)	AGCCGGCACATAT
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m18	514	16.9	-0.43	-3.76	-2.19	Yes	Yes	Yes	No	No		19,001	T78	CTTACACCAAGTC
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m19	547	18.0	-0.25	-3.74	-2.03	Yes	Yes	Yes	No	No		25,876	T56 (runs 1 and 2)	CCATGCGATAACA
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m20	578	19.0	-1.29	-3.38	-2.57	Yes	Yes	Yes	No	No		34,987	T56 (runs 1 and 2)	GCTGATGAGCTGT
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m21	612	20.1	-1.04	-3.55	-2.49	Yes	Yes	Yes	No	No		17,543	TRX	TAAGGTAAGGTGC
Healthy Twins & Triplets	Bgtw5	Bgtw5.T1	Bgtw5.T1.m22	638	21.0	-0.73	-3.54	-2.27	Yes	Yes	Yes	No	No		22,933	T56 (runs 1 and 2)	TCGTCGATAATCG
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m1	4	0.1				Yes	No	No	No	No		11,357	T34	GGCAACCTCAGAT
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m2	32	1.1	-0.57	-3.29	-3.18	Yes	Yes	No	No	No		31,113	T56 (runs 1 and 2)	TGAGTCACTGGTG
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m3	61	2.0				Yes	Yes	No	No	No		18,691	T34	GACCCAATGTGGA
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m4	94	3.1	0.71	-2.63	-1.76	Yes	Yes	No	No	Yes	Tetracyclines	18,806	T56 (runs 1 and 2)	CAAGCATGCCTAC
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m5	123	4.0	0.44	-3.62	-2.67	Yes	No	No	No	No		20,480	T34	ATAGCGGTCTGGA
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m6	153	5.0	-0.42	-3.24	-2.71	Yes	Yes	No	No	No		20,774	T34	GACGAGTCAGTCT
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m8	213	7.0	-0.14	-3.9	-2.76	Yes	Yes	Yes	No	No		18,012	T34	ATGTACGGCGACA
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m9	242	8.0	0.24	-3.95	-2.38	Yes	Yes	Yes	No	No		31,075	T56 (runs 1 and 2)	TATCGTTGACCAC
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m10	274	9.0	0.34	-3.74	-2.04	Yes	Yes	Yes	No	No		23,408	T12	TGAGCCGGAATCT
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m11	310	10.2	0.42	-4.01	-2.07	Yes	Yes	Yes	No	No		24,103	TCP2 (runs 1 and 2)	TAACGCTTGGGTA
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m12	340	11.2	-0.29	-4.33	-2.72	Yes	Yes	Yes	No	No		16,757	T34	CGCACATGTTATC
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m13	366	12.0	-0.37	-4.2	-2.63	Yes	Yes	Yes	No	No		22,704	T56 (runs 1 and 2)	ATCCCGAATTTGC
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m14	396	13.0	0.01	-4.41	-2.41	Yes	Yes	Yes	No	No		25,186	T12	TAGGAACTGGCCT

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m15	428	14.1	-0.3	-4.14	-2.42	Yes	Yes	Yes	No	No		11,544	T12	AAGAGATGTCGAG
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m16	458	15.0	0.06	-4.41	-2.28	Yes	Yes	Yes	No	No		12,412	T78	AATGTCCGTGACG
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m17	492	16.2	-0.58	-4.51	-2.79	Yes	Yes	Yes	No	No		11,746	TCP2 (runs 1 and 2)	AGCAAACACCCGA
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m18	514	16.9	0.51	-4.53	-1.97	Yes	Yes	Yes	No	No		20,446	TRX	GGTCAGCTTAACA
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m19	547	18.0	0.37	-4.48	-2.03	Yes	Yes	Yes	No	No		15,263	T78	ATACTTCGCAGGT
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m20	578	19.0	-0.68	-4.18	-2.59	Yes	Yes	Yes	No	No		24,435	T56 (runs 1 and 2)	GTACGTGGGATCT
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m21	612	20.1	-0.64	-4.23	-2.59	Yes	Yes	Yes	No	No		58,829	T56 (runs 1 and 2)	TCCGACACAATTC
Healthy Twins & Triplets	Bgtw5	Bgtw5.T2	Bgtw5.T2.m22	638	21.0	-1.29	-4.16	-3.02	Yes	Yes	Yes	No	No		15,021	T78	TCTTAACGACTGC
Healthy Twins & Triplets	Bgtw6	Bgtw6.T1	Bgtw6.T1.m1	6	0.2				Yes	No	No	No	No		17,232	T12	TAGAACTCACCTC
Healthy Twins & Triplets	Bgtw6	Bgtw6.T1	Bgtw6.T1.m2	35	1.1	-1.51	-5.04	-4.94	Yes	Yes	No	No	No		18,794	T34	ACTACAGCCTATG
Healthy Twins & Triplets	Bgtw6	Bgtw6.T1	Bgtw6.T1.m3	65	2.1	-0.43	-2.82	-2.95	Yes	Yes	No	No	No		18,758	T34	TGGACACCGAACA
Healthy Twins & Triplets	Bgtw6	Bgtw6.T1	Bgtw6.T1.m4	91	3.0	0.46	-2.6	-1.94	Yes	Yes	No	No	No		4,600	T12	TGAGGATGATAGC
Healthy Twins & Triplets	Bgtw6	Bgtw6.T1	Bgtw6.T1.m7	183	6.0	-0.14	-0.42	-0.41	No	Yes	No	No	No		27,786	T34	ACCGGCTAGAGTA
Healthy Twins & Triplets	Bgtw6	Bgtw6.T1	Bgtw6.T1.m8	212	7.0	0.16	0.18	0.15	No	Yes	No	No	No		29,776	T56 (runs 1 and 2)	TAGGAACTGGCCT
Healthy Twins & Triplets	Bgtw6	Bgtw6.T1	Bgtw6.T1.m8.dr	240	7.9				No	No	Yes	Yes	Yes	Macrolides	21,241	T78	GGATGTAAGTAGC
Healthy Twins & Triplets	Bgtw6	Bgtw6.T1	Bgtw6.T1.m9	247	8.1	0.33	-0.24	0.06	No	Yes	Yes	No	No		28,100	T12	GCACGACAACACA
Healthy Twins & Triplets	Bgtw6	Bgtw6.T1	Bgtw6.T1.m10	286	9.4				Yes	Yes	Yes	No	No		19,624	T12	AGCTGGAAGTCCT
Healthy Twins & Triplets	Bgtw6	Bgtw6.T2	Bgtw6.T2.m1	6	0.2				Yes	No	No	No	No		5,730	T12	TACCTCTCAGAAC
Healthy Twins & Triplets	Bgtw6	Bgtw6.T2	Bgtw6.T2.m2	36	1.2	0.52	-5.24	-4.14	Yes	Yes	No	No	No		14,687	T34	GTTACGCATTACG
Healthy Twins & Triplets	Bgtw6	Bgtw6.T2	Bgtw6.T2.m3	63	2.1	-0.17	-4.57	-4.22	Yes	Yes	No	No	No		13,715	T34	TTACGAGACGGCT
Healthy Twins & Triplets	Bgtw6	Bgtw6.T2	Bgtw6.T2.m4	91	3.0	0.08	-3.43	-3.05	Yes	Yes	No	No	No		15,971	T34	TGCGCTTGGATAT

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw6	Bgtw6.T2	Bgtw6.T2.m6	152	5.0	-0.68	-2.12	-1.95	Yes	Yes	No	No	No		16,840	T34	AACCTCGTCAAGC
Healthy Twins & Triplets	Bgtw6	Bgtw6.T2	Bgtw6.T2.m7	183	6.0	-0.96	-1.49	-1.66	Yes	Yes	No	No	Yes	Macrolides	24,486	T34	CGATAACATGCCA
Healthy Twins & Triplets	Bgtw6	Bgtw6.T2	Bgtw6.T2.m8	219	7.2	-1.06	-0.74	-1.26	No	Yes	No	No	No		15,245	T34	GTAAGCACCTACG
Healthy Twins & Triplets	Bgtw6	Bgtw6.T2	Bgtw6.T2.m9	246	8.1	-1.4	-0.6	-1.42	No	Yes	No	No	No		30,797	T56 (runs 1 and 2)	CGGAGCTATGGTA
Healthy Twins & Triplets	Bgtw6	Bgtw6.T2	Bgtw6.T2.m10	286	9.4				Yes	Yes	Yes	No	No		17,131	T12	GAACCAAAGGATC
Healthy Twins & Triplets	Bgtw6	Bgtw6.T2	Bgtw6.T2.m15.dr	444	14.6				Yes	Yes	Yes	No	No		12,825	T78	GCAAAGCAAAGTC
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m1	14	0.5				Yes	Yes	No	No	No		24,539	T12	TACGATGACCACA
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m2	32	1.1	2.27	-2.96	-1.02	Yes	No	No	No	No		25,432	T34	CATGGCTACACAT
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m3	61	2.0	1.84	-3.08	-1.55	Yes	Yes	No	No	Yes	Cephalosporins	3,277	T12	GCGTGTTAAACCG
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m4	96	3.2	1.94	-3.53	-1.75	Yes	Yes	No	No	Yes	Cephalosporins	15,869	T78	CATATCGCAGTTG
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m5	124	4.1	1.66	-3.69	-1.93	Yes	Yes	No	No	No		17,123	T34	CGAGATACCCAGA
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m6	155	5.1	0.94	-3.44	-2.03	Yes	Yes	No	No	No		10,203	T12	CCTCGTTCGACTA
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m6.dra	174	5.7				Yes	Yes	No	No	No		14,293	T78	GCTGGGTCATATG
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m6.drb	182	6.0				Yes	Yes	No	No	No		17,114	T78	TCCATAACTAGCG
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m7	190	6.2	0.25	-3.75	-2.69	Yes	Yes	No	No	No		12,024	T12	GTATGCGCTGTAT
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m8	214	7.0	0.23	-3.81	-2.61	Yes	Yes	No	No	No		17,836	T12	TGTGAGCACGGTA
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m9	244	8.0	0.79	-3.92	-2.11	Yes	Yes	No	No	Yes	Macrolides	16,435	T12	GACTGATCATCTC
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m10	275	9.0	0.13	-4.34	-2.85	Yes	Yes	Yes	No	No		17,880	T78	ACTCACGGTATGT
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m11	306	10.1	0.4	-4.41	-2.54	Yes	Yes	No	No	No		15,284	T78	GCTCGAAGATCGT
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m12	335	11.0	-0.05	-4.16	-2.57	Yes	Yes	Yes	No	No		22,410	T56 (runs 1 and 2)	TATCAGGTGTGCT
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m13	364	12.0	-0.28	-3.98	-2.53	Yes	Yes	Yes	No	No		27,831	T78	CAACACGCACGAT

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m14	394	12.9	-0.7	-4.14	-2.9	Yes	Yes	Yes	No	No		43,175	T56 (runs 1 and 2)	ATTAGTTCGCGTC
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m15	427	14.0	-0.67	-3.94	-2.66	Yes	Yes	Yes	No	No		27,426	T56 (runs 1 and 2)	TCTGTTGCTCTCG
Healthy Twins & Triplets	Bgtw7	Bgtw7.T1	Bgtw7.T1.m16	455	14.9	-0.63	-4.02	-2.65	Yes	Yes	Yes	No	No		23,089	T56 (runs 1 and 2)	TAGCTCGTAACTG
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m1	12	0.4				Yes	No	No	No	No		18,713	T34	TTATCACGTGCAC
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m2	30	1.0	4.44	-4.54	-0.98	Yes	Yes	No	No	No		23,649	T56 (runs 1 and 2)	ACACGTAAGCCTG
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m3	61	2.0	3.18	-4.35	-1.75	Yes	Yes	No	No	Yes	Cephalosporins	23,800	T34	CGGCGATGTACAT
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m4	90	3.0	1.63	-3.95	-2.42	Yes	Yes	No	No	No		6,371	T34	AGTGTTCGATCGC
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m5	124	4.1	1.35	-3.74	-2.23	Yes	Yes	No	No	Yes	Cephalosporins	17,716	T34	CCATTCGCCCATA
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m6	155	5.1	1.47	-4.12	-2.31	Yes	Yes	No	No	No		7,027	T34	GATAGCTGTCTTC
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m6.dra	174	5.7				Yes	Yes	No	No	No		16,972	T78	TGCGCTTGGATAT
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m6.drb	191	6.3	0.52	-4.27	-3.01	Yes	Yes	No	No	No		12,972	T78	CGAGTTGTAGCGT
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m8	214	7.0	0.25	-4.46	-3.22	Yes	Yes	No	No	No		21,970	TRX	GCTCAGTGCAGAT
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m9	244	8.0	0.54	-4.47	-2.82	Yes	Yes	No	No	Yes	Penicillin	9,023	T12	TTACTGTGCGATG
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m10	278	9.1	-0.67	-4.72	-3.73	Yes	Yes	Yes	No	No		14,378	T78	CCATAGGGTTCAT
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m11	307	10.1	-1.04	-4.57	-3.73	Yes	Yes	No	No	No		41,023	T56 (runs 1 and 2)	CTTACACCAAGTC
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m12	335	11.0	-1.1	-4.39	-3.54	Yes	Yes	Yes	No	No		15,375	T78	GACTCTTGGCAAT
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m12.dr	347	11.4				Yes	Yes	Yes	Yes	No		11,506	T78	TGATCAGAAGAGC
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m13	364	12.0	-0.96	-4.44	-3.39	Yes	Yes	Yes	No	No		27,254	T56 (runs 1 and 2)	ATGGTTGTTGGCG
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m14	394	12.9	-0.85	-4.37	-3.18	Yes	No	Yes	No	No		43,947	T56 (runs 1 and 2)	AGGCTACACGACA
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m15	427	14.0	-0.4	-4.31	-2.73	Yes	Yes	Yes	No	No		33,728	T56 (runs 1 and 2)	GCATGGCTCTAAT
Healthy Twins & Triplets	Bgtw7	Bgtw7.T2	Bgtw7.T2.m16	455	14.9	-0.71	-4.42	-3	Yes	Yes	Yes	No	No		17,011	T78	GCAGGATAGATAG

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw8	Bgtw8.T1	Bgtw8.T1.m1	15	0.5				Yes	No	No	No	No		17,179	T78	TGCACAATGGCGT
Healthy Twins & Triplets	Bgtw8	Bgtw8.T1	Bgtw8.T1.m2	31	1.0	-0.31	-1.95	-1.82	Yes	No	No	No	No		11,516	T12	CCTTAAGTCAGTG
Healthy Twins & Triplets	Bgtw8	Bgtw8.T1	Bgtw8.T1.m3	64	2.1	-0.62	-1.36	-1.65	Yes	Yes	No	No	No		17,756	T12	CTGCTAACGCAAC
Healthy Twins & Triplets	Bgtw8	Bgtw8.T1	Bgtw8.T1.m4	90	3.0	-0.61	-1.64	-1.81	Yes	Yes	No	No	No		20,645	T12	TGCGGCATCGAAT
Healthy Twins & Triplets	Bgtw8	Bgtw8.T1	Bgtw8.T1.m5	130	4.3	-0.16	-1.76	-1.48	Yes	Yes	No	No	No		9,597	T12	AAGGAGCGCCTTA
Healthy Twins & Triplets	Bgtw8	Bgtw8.T1	Bgtw8.T1.m5.dr	154	5.1	-0.07	-1.84	-1.38	Yes	Yes	No	Yes	No		14,219	T78	CGCATGAGGATCA
Healthy Twins & Triplets	Bgtw8	Bgtw8.T1	Bgtw8.T1.m6	162	5.3				Yes	Yes	No	No	No		14,621	T12	ACGGGACATGCTA
Healthy Twins & Triplets	Bgtw8	Bgtw8.T1	Bgtw8.T1.m7	185	6.1	-0.05	-1.52	-1.06	Yes	Yes	Yes	No	Yes	Macrolides	13,190	T34	TGTGCTGTGTAGA
Healthy Twins & Triplets	Bgtw8	Bgtw8.T1	Bgtw8.T1.m8	212	7.0	-1.38	-1.09	-1.72	Yes	Yes	Yes	No	No		14,557	T78	ACACTAGATCCGA
Healthy Twins & Triplets	Bgtw8	Bgtw8.T1	Bgtw8.T1.m9	248	8.1	-2.14	-0.81	-2.05	Yes	Yes	Yes	No	No		13,972	T78	CGACTGTCTTAAC
Healthy Twins & Triplets	Bgtw8	Bgtw8.T1	Bgtw8.T1.m10	273	9.0	-1.07	-1.78	-1.83	Yes	No	Yes	No	Yes	Penicillin	26,922	T56 (runs 1 and 2)	CAACACGCACGAT
Healthy Twins & Triplets	Bgtw8	Bgtw8.T1	Bgtw8.T1.m11	307	10.1	-1.58	-1.29	-1.86	Yes	Yes	Yes	No	No		32,047	T56 (runs 1 and 2)	CTGCTAACGCAAC
Healthy Twins & Triplets	Bgtw8	Bgtw8.T1	Bgtw8.T1.m12	333	10.9	-1.54	-1.01	-1.63	Yes	No	Yes	No	Yes	Penicillin	17,484	T78	ATTAGTTCGCGTC
Healthy Twins & Triplets	Bgtw8	Bgtw8.T1	Bgtw8.T1.m13	364	12.0	-0.7	-0.9	-0.93	Yes	No	Yes	No	No		29,441	T56 (runs 1 and 2)	ATCGATCTGTGGT
Healthy Twins & Triplets	Bgtw8	Bgtw8.T2	Bgtw8.T2.m1	15	0.5				Yes	No	No	No	No		17,650	TRX	GCCTGAATTTACG
Healthy Twins & Triplets	Bgtw8	Bgtw8.T2	Bgtw8.T2.m2	31	1.0	0.35	-3.95	-3.03	Yes	No	No	No	No		25,661	T12	CTAACCTCCGCTA
Healthy Twins & Triplets	Bgtw8	Bgtw8.T2	Bgtw8.T2.m3	65	2.1	-2.7	-1.9	-3.44	Yes	Yes	No	No	No		21,167	TRX	CCATAGGGTTCAT
Healthy Twins & Triplets	Bgtw8	Bgtw8.T2	Bgtw8.T2.m4	90	3.0	-2.14	-2.07	-3.23	Yes	Yes	No	No	Yes	Penicillin	14,133	T12	TAATCGGATTCCG
Healthy Twins & Triplets	Bgtw8	Bgtw8.T2	Bgtw8.T2.m5	122	4.0	-1.92	-2.17	-3.09	Yes	Yes	No	No	Yes	Cephalosporins	23,010	T12	AGTTTGCAACGCG
Healthy Twins & Triplets	Bgtw8	Bgtw8.T2	Bgtw8.T2.m6	154	5.1	-1.67	-2.2	-2.84	Yes	Yes	No	No	No		28,353	T12	CAAGCATGCCTAC
Healthy Twins & Triplets	Bgtw8	Bgtw8.T2	Bgtw8.T2.m7	185	6.1	-1.44	-1.79	-2.29	Yes	Yes	Yes	No	Yes	Macrolides	20,260	T12	ATTATACCTCGGC

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw8	Bgtw8.T2	Bgtw8.T2.m8	212	7.0	-1.38	-1.78	-2.18	Yes	Yes	Yes	No	No		16,322	T78	AACACAAGGAGTG
Healthy Twins & Triplets	Bgtw8	Bgtw8.T2	Bgtw8.T2.m9	248	8.1	-1.57	-2.16	-2.5	Yes	Yes	Yes	No	No		13,912	T78	TAACGCTTGGGTA
Healthy Twins & Triplets	Bgtw8	Bgtw8.T2	Bgtw8.T2.m10	273	9.0	-1.37	-2.61	-2.61	Yes	No	Yes	No	Yes	Cephalosporins	12,674	T78	TGGCATACGGCAT
Healthy Twins & Triplets	Bgtw8	Bgtw8.T2	Bgtw8.T2.m11	305	10.0	-1.35	-2.47	-2.42	Yes	Yes	Yes	No	No		30,354	T56 (runs 1 and 2)	GCGGCAATTACGT
Healthy Twins & Triplets	Bgtw8	Bgtw8.T2	Bgtw8.T2.m12	333	10.9	-0.96	-2.36	-1.98	Yes	No	Yes	No	Yes	Penicillin	17,820	T78	TGTACACGGCGAT
Healthy Twins & Triplets	Bgtw8	Bgtw8.T2	Bgtw8.T2.m13	366	12.0	-0.64	-2.29	-1.66	Yes	No	Yes	No	Yes	Cephalosporins	11,607	T56 (runs 1 and 2)	ACTCACGGTATGT
Healthy Twins & Triplets	Bgtw9	Bgtw9.T1	Bgtw9.T1.m2	37	1.2	1.89	-4.08	-2.21	Yes	No	No	No	No		23,067	T34	GGAGGTTATCCGT
Healthy Twins & Triplets	Bgtw9	Bgtw9.T1	Bgtw9.T1.m3	63	2.1	2.3	-4.9	-2.89	Yes	No	No	No	No		18,374	T34	CGCATGAGGATCA
Healthy Twins & Triplets	Bgtw9	Bgtw9.T1	Bgtw9.T1.m4	93	3.1	0.65	-4.67	-3.8	Yes	Yes	No	No	No		22,959	T12	AGGCTACACGACA
Healthy Twins & Triplets	Bgtw9	Bgtw9.T1	Bgtw9.T1.m5	120	3.9	0.91	-4.59	-3.44	Yes	Yes	No	No	No		20,165	T12	TAGGATTGCTCGC
Healthy Twins & Triplets	Bgtw9	Bgtw9.T1	Bgtw9.T1.m6	151	5.0	-0.31	-4.14	-3.64	Yes	Yes	No	No	Yes	Cephalosporins	15,788	T78	CCTAGTACTGATG
Healthy Twins & Triplets	Bgtw9	Bgtw9.T1	Bgtw9.T1.m7	185	6.1	0.85	-4.78	-3.29	Yes	Yes	No	Yes	No		17,946	T78	CCTCTCGTGATCA
Healthy Twins & Triplets	Bgtw9	Bgtw9.T1	Bgtw9.T1.m8	211	6.9	0.44	-4.53	-3.15	Yes	Yes	Yes	No	No		23,377	TRX	CCATACATAGCTG
Healthy Twins & Triplets	Bgtw9	Bgtw9.T1	Bgtw9.T1.m9	245	8.0	-0.93	-3.53	-3.08	No	Yes	Yes	No	Yes	Penicillin	12,379	T78	ATGTGGGACCCAT
Healthy Twins & Triplets	Bgtw9	Bgtw9.T1	Bgtw9.T1.m10	273	9.0	-0.66	-3.79	-2.99	No	No	Yes	No	No		32,543	T56 (runs 1 and 2)	TCCTCTGTCGACA
Healthy Twins & Triplets	Bgtw9	Bgtw9.T1	Bgtw9.T1.m11	304	10.0	-1.02	-3.28	-2.75	No	No	Yes	No	Yes	Penicillin	33,451	T56 (runs 1 and 2)	GCTCAGTGCAGAT
Healthy Twins & Triplets	Bgtw9	Bgtw9.T1	Bgtw9.T1.m12	338	11.1	-1.05	-2.94	-2.43	No	Yes	Yes	No	No		28,481	T56 (runs 1 and 2)	TCGGAGTGTTGTG
Healthy Twins & Triplets	Bgtw9	Bgtw9.T1	Bgtw9.T1.m13	368	12.1	-1.64	-3.16	-2.97	No	No	Yes	No	No		25,814	T56 (runs 1 and 2)	TATGCACCAGTGA
Healthy Twins & Triplets	Bgtw9	Bgtw9.T2	Bgtw9.T2.m1	8	0.3				Yes	No	No	No	No		21,218	T12	CGAGAAGAGAACG
Healthy Twins & Triplets	Bgtw9	Bgtw9.T2	Bgtw9.T2.m2	37	1.2	2.73	-4.54	-2.06	Yes	No	No	No	No		14,566	TRX	CCATGCGATAACA
Healthy Twins & Triplets	Bgtw9	Bgtw9.T2	Bgtw9.T2.m3	65	2.1	1.01	-4.8	-3.64	Yes	No	No	No	No		14,251	TCP2 (runs 1 and 2)	TCGGAGTGTTGTG

Cohort	Family ID	Child ID	Fecal Sample ID	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection[3]	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other) [4]	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
									Breast Milk	Formula[1]	Solid Foods[2]						
Healthy Twins & Triplets	Bgtw9	Bgtw9.T2	Bgtw9.T2.m2.dr	71	2.3				Yes	No	No	Yes	No		22,042	T78	CACCACGGAAACA
Healthy Twins & Triplets	Bgtw9	Bgtw9.T2	Bgtw9.T2.m4	94	3.1	1.86	-5.13	-3.43	Yes	Yes	No	No	No		13,998	T12	TCGAGGACTGCAT
Healthy Twins & Triplets	Bgtw9	Bgtw9.T2	Bgtw9.T2.m5	121	4.0	1.66	-5.28	-3.59	Yes	Yes	No	No	No		16,432	T12	GCTGATGAGCTGT
Healthy Twins & Triplets	Bgtw9	Bgtw9.T2	Bgtw9.T2.m6	151	5.0	2.13	-5.04	-2.82	Yes	Yes	No	No	No		12,383	T78	GTCTACACACATG
Healthy Twins & Triplets	Bgtw9	Bgtw9.T2	Bgtw9.T2.m7	185	6.1	0.62	-4.12	-2.78	Yes	Yes	No	Yes	No		14,306	T78	ATCGCTCGAGGAT
Healthy Twins & Triplets	Bgtw9	Bgtw9.T2	Bgtw9.T2.m8	211	6.9	1.24	-4.23	-2.21	Yes	Yes	Yes	No	No		13,656	T78	GTACCTAATTGCG
Healthy Twins & Triplets	Bgtw9	Bgtw9.T2	Bgtw9.T2.m9	243	8.0	0.06	-3.24	-2.08	No	Yes	Yes	No	No		20,783	T78	CTAGATTTGCCAC
Healthy Twins & Triplets	Bgtw9	Bgtw9.T2	Bgtw9.T2.m10	273	9.0	-0.18	-3.29	-2.2	No	No	Yes	No	Yes	Penicillin	17,826	T78	ATACCTTCGGTAC
Healthy Twins & Triplets	Bgtw9	Bgtw9.T2	Bgtw9.T2.m11	304	10.0	-0.56	-2.84	-2.07	No	No	Yes	No	No		13,563	T56 (runs 1 and 2)	TCTTCCGCTACTG
Healthy Twins & Triplets	Bgtw9	Bgtw9.T2	Bgtw9.T2.m12	336	11.0	-0.42	-3.18	-2.12	No	No	Yes	No	No		32,145	T56 (runs 1 and 2)	AGAGCCTACGTTC
Healthy Twins & Triplets	Bgtw9	Bgtw9.T2	Bgtw9.T2.m13	368	12.1	-0.86	-2.85	-2.17	No	No	Yes	No	No		30,132	T56 (runs 1 and 2)	GAATAGAGCCAAG

[1] Formula refers to powdered and/or liquid cow's milk

[2] Solid foods refers to rice, *atta* powder (wheat-derived) and/or family foods

[3] Diarrhea refers to the period within the preceding 7 days and/or at the time of fecal sample collection

[4] Antibiotic usage within the preceding 7 days and/or at the time of fecal sample collection; specific antibiotics or class of antibiotics is indicated based on information that was available in the recorded metadata

Table ED3

Information associated with fecal samples collected from parents in twins and triplets birth cohort

Family ID	Person ID	Family membership	Fecal Sample ID	Age of subject at time of fecal sample collection, years	Age of subject's children at the time of subject's fecal sample collection, months	Age of subject's children at the time of subject's fecal sample collection, days	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgtw1	Bgtw1.F	Father	Bgtw1.F.m1	33.0	1	5	17,266	TCP2 (runs 1 and 2)	CGGATCGTAATAC
Bgtw1	Bgtw1.F	Father	Bgtw1.F.m4	33.3	4	93	13,599	T12	CGCTCGAAGATTC
Bgtw1	Bgtw1.F	Father	Bgtw1.F.m7	33.5	7	184	18,411	T12	GTTCTCCATCACA
Bgtw1	Bgtw1.F	Father	Bgtw1.F.m10	33.8	10	274	18,354	T12	CGCGTCCATGAAT
Bgtw1	Bgtw1.F	Father	Bgtw1.F.m12	34.0	12	369	33,506	T12	AGACTACCCGTTG
Bgtw1	Bgtw1.F	Father	Bgtw1.F.m16	34.3	16	459	22,406	T12	GAACCGCATAAGT
Bgtw2	Bgtw2.F	Father	Bgtw2.F.m4	26.3	4	95	14,837	T34	CATGCTGCAACAC
Bgtw2	Bgtw2.F	Father	Bgtw2.F.m10	26.5	10	276	9,185	T34	ATTCGATGCCGCA
Bgtw3	Bgtw3.F	Father	Bgtw3.F.m1	40.0	1	8	11,154	T12	ATAACGTGTGTGC
Bgtw3	Bgtw3.F	Father	Bgtw3.F.m4	40.3	4	92	10,854	T34	AGACGCACTAACT
Bgtw3	Bgtw3.F	Father	Bgtw3.F.m7	40.5	7	179	34,147	T78	TACCTGTCCTTTC
Bgtw3	Bgtw3.F	Father	Bgtw3.F.m10	40.8	10	274	15,316	TCP2 (runs 1 and 2)	TCTGTCAGTGACC
Bgtw3	Bgtw3.F	Father	Bgtw3.F.m13	41.0	13	367	22,178	T12	AGCAACACCATCC
Bgtw3	Bgtw3.F	Father	Bgtw3.F.m16	41.3	16	458	30,845	TCP2 (runs 1 and 2)	ACATACCGTGAGT
Bgtw4	Bgtw4.F	Father	Bgtw4.F.m1	23.0	1	5	27,558	T12	CGCTGTACGGATT
Bgtw4	Bgtw4.F	Father	Bgtw4.F.m4	23.3	4	92	18,137	T34	CACCTTACACCTT
Bgtw4	Bgtw4.F	Father	Bgtw4.F.m7	23.5	7	187	18,674	T34	CATAATTGCCGAG
Bgtw4	Bgtw4.F	Father	Bgtw4.F.m10	23.8	10	272	23,417	T56 (runs 1 and 2)	CGAATACCAAGTC
Bgtw4	Bgtw4.F	Father	Bgtw4.F.m13	24.0	13	365	23,890	T56 (runs 1 and 2)	CGAACACTTTGGA
Bgtw5	Bgtw5.F	Father	Bgtw5.F.m1	38.0	1	4	18,085	T12	TGCCTGTCTGCAA
Bgtw5	Bgtw5.F	Father	Bgtw5.F.m4	38.3	4	94	25,138	T56 (runs 1 and 2)	CGAGCCATCTGTA
Bgtw5	Bgtw5.F	Father	Bgtw5.F.m7	38.5	7	195	14,529	T34	CACTGACTTAAGG
Bgtw5	Bgtw5.F	Father	Bgtw5.F.m10	38.8	10	274	15,468	T12	GAGGTCCAAATCA
Bgtw5	Bgtw5.F	Father	Bgtw5.F.m13	39.0	13	366	17,789	T34	GTTCTGAGAGGTA
Bgtw6	Bgtw6.F	Father	Bgtw6.F.m1	29.0	1	2	14,873	T34	GCGACTCTAAACG
Bgtw6	Bgtw6.F	Father	Bgtw6.F.m4	29.3	4	92	19,520	TCP2 (runs 1 and 2)	GTTCTCTCGACAT
Bgtw6	Bgtw6.F	Father	Bgtw6.F.m7	29.5	7	181	16,345	TCP2 (runs 1 and 2)	CGTAAATTCAGGC
Bgtw6	Bgtw6.F	Father	Bgtw6.F.m10	29.8	10	286	9,139	T12	GCGGTCAATTGAC
Bgtw7	Bgtw7.F	Father	Bgtw7.F.m1	38.0	1	14	21,791	T34	ACGCCATTGTGCA
Bgtw7	Bgtw7.F	Father	Bgtw7.F.m4	38.3	4	91	12,730	TCP2 (runs 1 and 2)	ATGCCGTATGCCA

Family ID	Person ID	Family membership	Fecal Sample ID	Age of subject at time of fecal sample collection, years	Age of subject's children at the time of subject's fecal sample collection, months	Age of subject's children at the time of subject's fecal sample collection, days	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgtw7	Bgtw7.F	Father	Bgtw7.F.m7	38.5	7	190	13,123	T12	CGAACACTTTGGA
Bgtw8	Bgtw8.F	Father	Bgtw8.F.m1	40.0	1	18	14,289	TCP2 (runs 1 and 2)	ATCTGCACTGAGC
Bgtw8	Bgtw8.F	Father	Bgtw8.F.m4	40.3	4	92	18,075	TCP2 (runs 1 and 2)	TAGTGTTTCGGAC
Bgtw8	Bgtw8.F	Father	Bgtw8.F.m7	40.5	7	185	29,674	TCP2 (runs 1 and 2)	ATCGTGCGTGTTG
Bgtw8	Bgtw8.F	Father	Bgtw8.F.m13	41.0	13	374	29,593	TCP2 (runs 1 and 2)	GTACCGAAGGTAT
Bgtw9	Bgtw9.F	Father	Bgtw9.F.m1	28.0	1	8	16,769	T34	CTGGCTTTCTATC
Bgtw9	Bgtw9.F	Father	Bgtw9.F.m4	28.3	4	93	8,311	T12	CATTGACCGGTCA
Bgtw9	Bgtw9.F	Father	Bgtw9.F.m7	28.5	7	185	25,311	T56 (runs 1 and 2)	CAGCTATGTATGG
Bgtw9	Bgtw9.F	Father	Bgtw9.F.m10	28.8	10	278	20,809	T56 (runs 1 and 2)	CACTTCCAACTTC
Bgtw9	Bgtw9.F	Father	Bgtw9.F.m13	29.0	13	367	26,044	T56 (runs 1 and 2)	CATGGCTGTCAGT
Bgtw10	Bgtw10.F	Father	Bgtw10.F.m1	32.0	1	2	20,923	T12	TCTTAGGCATGTG
Bgtw10	Bgtw10.F	Father	Bgtw10.F.m4	32.3	4	92	14,148	T34	ATAAGGCATCGCT
Bgtw10	Bgtw10.F	Father	Bgtw10.F.m7	32.5	7	191	14,161	TCP2 (runs 1 and 2)	ATGGTCGCATCGT
Bgtw10	Bgtw10.F	Father	Bgtw10.F.m10	32.8	10	275	25,813	T56 (runs 1 and 2)	ACATCCCTCTACT
Bgtw10	Bgtw10.F	Father	Bgtw10.F.m13	33.0	13	365	38,175	T56 (runs 1 and 2)	TAGCGGAGGTTAG
Bgtw11	Bgtw11.F	Father	Bgtw11.F.m1	26.0	1	4	23,237	TCP2 (runs 1 and 2)	GCACTCATCATTC
Bgtw11	Bgtw11.F	Father	Bgtw11.F.m4	26.3	4	88	28,777	T56 (runs 1 and 2)	CTGCGCTGAATGT
Bgtw12	Bgtw12.F	Father	Bgtw12.F.m1	25.0	1	7	23,115	TCP2 (runs 1 and 2)	GACTTGGTGTAAG
Bgtw12	Bgtw12.F	Father	Bgtw12.F.m4	25.3	4	94	22,396	T56 (runs 1 and 2)	ATCCTCGAGCGAT
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m1	25.0	1	5	12,057	T34	GCCGAGGTATAAT
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m3	25.2	3	64	15,500	T34	CGCTGTGATTCGA
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m4	25.3	4	92	22,699	T34	TACGGCGTTATGT
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m5	25.3	5	124	14,512	T34	CTAACGCTGTGTG
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m6	25.5	6	167	15,921	T34	TACCCATACAGCC
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m7	25.5	7	188	19,137	T12	TACCATAGCTCCG
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m8	25.6	8	216	37,309	T56 (runs 1 and 2)	AGCGATATATCGC
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m9	25.7	9	243	18,428	T34	AGAGATCGCCTAT
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m10	25.8	10	274	15,102	T34	CATTGACCGGTCA
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m11	25.8	11	305	13,393	T34	CAATGACCTCGTG
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m12	25.9	12	338	19,050	T34	ACTGAAGGGCGAA
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m13	26.0	13	365	19,374	T12	GAAGACAGCTATC
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m14	26.1	14	397	19,439	T12	TCATTCGTGGCGT
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m15	26.2	15	426	22,949	TCP2 (runs 1 and 2)	AGGTTCGGTCCAT

Family ID	Person ID	Family membership	Fecal Sample ID	Age of subject at time of fecal sample collection, years	Age of subject's children at the time of subject's fecal sample collection, months	Age of subject's children at the time of subject's fecal sample collection, days	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m16	26.2	16	456	10,227	T12	ATGCATACACTGG
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m17	26.3	17	488	23,442	T12	CTGGCTTTCTATC
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m18	26.4	18	519	18,496	T12	CATGGCTGTCAGT
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m19	26.5	19	551	18,563	T78	AGCTCTCCGTAGA
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m20	26.6	20	579	20,085	T78	ACGATGCTGTTGA
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m21	26.7	21	610	18,046	T78	GTGTAAGACTTGG
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m22	26.8	22	639	16,539	T78	CACGACTGCATAA
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m23	26.8	23	669	14,823	T78	GCGCAGATTAGTA
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m24	26.9	24	700	15,480	T56 (runs 1 and 2)	CGTACGATATGAC
Bgtw1	Bgtw1.M	Mother	Bgtw1.M.m25	27.0	25	730	35,842	T56 (runs 1 and 2)	CGTCACGGACATT
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m1	22.0	1	1	14,645	TRX	AGCGTTCTAGCTG
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m2	22.1	2	31	20,841	T34	GCTCTGCCTAATT
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m3	22.2	3	60	15,540	T12	CTCGGAATTAGAC
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m4	22.3	4	94	12,088	T12	TCCAATACGCCTG
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m5	22.3	5	123	17,342	T34	TGCATTCGGCGTT
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m6	22.4	6	154	12,497	T34	CGTCGTCCAAATG
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m7	22.5	7	184	33,721	T56 (runs 1 and 2)	TATGGGTTCCGTC
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m8	22.6	8	214	13,669	T34	ACGGAGTAATCCT
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m9	22.7	9	240	35,256	T56 (runs 1 and 2)	CGTAGATCGTGTA
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m10	22.8	10	275	14,594	T34	CGGCGATTTACGT
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m11	22.8	11	302	13,499	T34	TGCCTGTCTGCAA
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m12	22.9	12	333	13,956	T34	GCTACGAAAGCCT
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m13	23.0	13	367	11,822	T34	CGTACTGAAGATC
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m14	23.1	14	399	14,283	T34	ACCTGTCCTATCT
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m15	23.2	15	426	21,608	T12	TGTCGCCGTACAT
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m16	23.3	16	458	20,707	T34	TAAGGGCGCTGAA
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m17	23.3	17	491	21,304	T56 (runs 1 and 2)	CGTTGTTCTGGGA
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m18	23.4	18	518	18,054	TCP2 (runs 1 and 2)	CGATGTGGTGTTA
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m19	23.5	19	547	21,550	T56 (runs 1 and 2)	CTCAGTTCTCGTT
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m20	23.6	20	581	24,239	T56 (runs 1 and 2)	CGTAAATTCAGGC
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m21	23.7	21	609	18,456	T78	CGTTCCTCCATTA
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m22	23.8	22	639	23,139	T56 (runs 1 and 2)	TAGCATGTCCCGT
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m23	23.8	23	668	18,401	T78	AGCACACCTGATA

Family ID	Person ID	Family membership	Fecal Sample ID	Age of subject at time of fecal sample collection, years	Age of subject's children at the time of subject's fecal sample collection, months	Age of subject's children at the time of subject's fecal sample collection, days	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgtw2	Bgtw2.M	Mother	Bgtw2.M.m24	23.9	24	702	22,541	T56 (runs 1 and 2)	ACTGCTATTCCTC
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m1	30.0	1	8	18,168	T56 (runs 1 and 2)	ACTCACAACCGTG
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m2	30.1	2	32	15,001	T34	ATATGAACGTCCG
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m3	30.2	3	61	12,832	T34	GACTTTGCTTTGC
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m4	30.3	4	92	15,985	T34	GAAGTGGCTATCC
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m5	30.3	5	123	17,652	T34	GCCAGATATAGCA
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m6	30.4	6	151	17,953	TCP2 (runs 1 and 2)	TCACTGGTGCATA
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m7	30.5	7	178	17,506	T34	GTTCTCCATCACA
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m8	30.6	8	213	7,341	T12	ACAACTCCCGTGA
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m9	30.7	9	240	16,599	T34	TCGAGCTGTTACC
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m10	30.8	10	274	24,901	T56 (runs 1 and 2)	CACGAGACTGATT
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m11	30.8	11	304	19,920	T34	AGCCGTAAACTTG
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m12	30.9	12	341	15,278	TCP2 (runs 1 and 2)	GCTGATCCATCTT
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m13	31.0	13	367	30,379	TCP2 (runs 1 and 2)	GCAGAAATGTGTC
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m14	31.1	14	400	26,537	TCP2 (runs 1 and 2)	AGCACACCTGATA
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m15	31.2	15	430	14,244	T12	ATCTCTACCACTC
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m16	31.3	16	459	22,655	T12	GATAACATGTGCG
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m17	31.3	17	487	32,562	T56 (runs 1 and 2)	CACTCCTTGTGTT
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m19	31.5	19	549	29,619	T56 (runs 1 and 2)	GCTGATCCATCTT
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m20	31.6	20	579	15,865	TCP2 (runs 1 and 2)	TGTTAAGCTGACC
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m21	31.7	21	609	17,611	TCP2 (runs 1 and 2)	CACTCCTTGTGTT
Bgtw3	Bgtw3.M	Mother	Bgtw3.M.m22	31.7	22	638	15,611	TCP2 (runs 1 and 2)	CGTCACGGACATT
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m1	20.0	1	5	20,006	T34	TATTCGGTAGTGC
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m2	20.1	2	32	16,042	T34	ACGCACTACGCAT
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m3	20.2	3	61	15,325	T34	ATCGCCGTGTACA
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m4	20.3	4	92	22,921	T12	AGAGCGTATCCAT
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m5	20.3	5	123	13,727	T34	CGTTCCTCCATTA
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m6	20.4	6	151	25,198	T56 (runs 1 and 2)	AGTATCTGCCGCGT
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m7	20.5	7	181	20,259	T34	CGGAATTATCGGT
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m8	20.6	8	211	15,493	T34	TGCCACGACTTAC
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m9	20.7	9	251	14,538	T34	CGCGTCCATGAAT
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m10	20.8	10	277	16,851	T34	GCTTCCAACTCAT
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m11	20.8	11	305	11,467	T34	TGGCTGCATACTC

Family ID	Person ID	Family membership	Fecal Sample ID	Age of subject at time of fecal sample collection, years	Age of subject's children at the time of subject's fecal sample collection, months	Age of subject's children at the time of subject's fecal sample collection, days	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m12	20.9	12	334	32,997	T56 (runs 1 and 2)	CATCGCACAGTAA
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m13	21.0	13	364	20,722	T12	CAACTTTCAGGAG
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m14	21.1	14	395	13,616	T12	ACATCCCTCTACT
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m15	21.2	15	425	21,943	T12	ATACGAGCCCTAA
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m16	21.3	16	458	22,991	T78	ACGGAGTAATCCT
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m17	21.3	17	487	17,381	T78	ATCTGCACTGAGC
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m18	21.4	18	517	34,752	T56 (runs 1 and 2)	TACGGGTCATCAT
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m19	21.5	19	547	24,521	T56 (runs 1 and 2)	CTGTCGCAAATAG
Bgtw4	Bgtw4.M	Mother	Bgtw4.M.m20	21.6	20	575	44,125	T56 (runs 1 and 2)	AGCAACACCATCC
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m1	29.0	1	4	9,540	T34	CATTATCGTCCCT
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m2	29.1	2	33	16,280	T34	CGATCATTCTCTC
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m3	29.2	3	61	23,552	TCP2 (runs 1 and 2)	ATACTCGGGAACT
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m4	29.3	4	95	25,903	T12	TATGGGCGAATGG
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m5	29.3	5	123	15,880	T34	TAGGCACAGTAGG
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m6	29.4	6	152	16,214	T34	TACCTGTCCTTTC
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m7	29.5	7	181	20,984	T56 (runs 1 and 2)	CAACTAGTTCAGG
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m8	29.6	8	218	13,008	T34	CGAAATGCTACGT
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m9	29.7	9	248	21,653	T34	GCATCAAGCATAG
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m10	29.8	10	277	13,582	T34	GCGAAACTACGTA
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m11	29.8	11	310	14,621	T12	CGGTTCCATTAGG
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m12	29.9	12	341	18,744	T34	TCGATAGGCCTTA
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m13	30.0	13	365	15,753	T34	GCAGTCGTTAAGA
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m14	30.1	14	396	21,882	T56 (runs 1 and 2)	CTCGACATCTCTT
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m15	30.2	15	429	17,027	T12	CAGCAGAACATCT
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m16	30.3	16	458	14,496	T78	GCACTCATCATTC
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m17	30.4	17	493	14,010	T78	ACGCTGTGGATTA
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m18	30.4	18	514	18,506	T78	TACCCATACAGCC
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m19	30.5	19	548	19,202	T56 (runs 1 and 2)	CAGCAGAACATCT
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m20	30.6	20	578	22,358	T56 (runs 1 and 2)	ATCACCTCCTTGT
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m21	30.7	21	613	41,854	T56 (runs 1 and 2)	TCATTCGTGGCGT
Bgtw5	Bgtw5.M	Mother	Bgtw5.M.m22	30.8	22	640	14,899	T78	ACCGTGACAACTC
Bgtw6	Bgtw6.M	Mother	Bgtw6.M.m1	18.0	1	6	21,134	T12	ATGTGGCTCGTGT
Bgtw6	Bgtw6.M	Mother	Bgtw6.M.m2	18.1	2	35	22,561	TCP2 (runs 1 and 2)	ACGATGCTGTTGA

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Bgtw6	Bgtw6.M	Mother	Bgtw6.M.m3	18.2	3	63	12,071	TCP2 (runs 1 and 2)	ATGGGTCCCACAT
Bgtw6	Bgtw6.M	Mother	Bgtw6.M.m4	18.3	4	92	15,084	T12	CTTGGCTCTATTC
Bgtw6	Bgtw6.M	Mother	Bgtw6.M.m6	18.4	6	152	8,105	T12	TCGTCTCCTACAG
Bgtw6	Bgtw6.M	Mother	Bgtw6.M.m7	18.5	7	182	24,708	TCP2 (runs 1 and 2)	GTGCAGCAAGATT
Bgtw6	Bgtw6.M	Mother	Bgtw6.M.m8	18.6	8	212	25,775	T56 (runs 1 and 2)	ATGCAGTCCTCGA
Bgtw6	Bgtw6.M	Mother	Bgtw6.M.m9	18.7	9	246	31,301	TCP2 (runs 1 and 2)	CGAGAGCAACAGA
Bgtw6	Bgtw6.M	Mother	Bgtw6.M.m10	18.8	10	286	22,264	TCP2 (runs 1 and 2)	ATTAGAGCCATGC
Bgtw7	Bgtw7.M	Mother	Bgtw7.M.m1	32.0	1	12	12,620	T34	CGGTTCCATTAGG
Bgtw7	Bgtw7.M	Mother	Bgtw7.M.m2	32.1	2	32	12,895	T34	ATGTGGCTCCGTGT
Bgtw7	Bgtw7.M	Mother	Bgtw7.M.m3	32.2	3	61	14,622	T34	CGCGTTGCAAACT
Bgtw7	Bgtw7.M	Mother	Bgtw7.M.m4	32.2	4	90	15,904	T12	TGAGAGTCCACTT
Bgtw7	Bgtw7.M	Mother	Bgtw7.M.m5	32.3	5	125	13,728	T34	ATTGGGCCACATA
Bgtw7	Bgtw7.M	Mother	Bgtw7.M.m6	32.5	6	167	25,899	TCP2 (runs 1 and 2)	CGATTATCGACGA
Bgtw7	Bgtw7.M	Mother	Bgtw7.M.m7	32.5	7	189	16,171	TCP2 (runs 1 and 2)	ATCCTCGAGCGAT
Bgtw7	Bgtw7.M	Mother	Bgtw7.M.m8	32.6	8	214	21,054	TCP2 (runs 1 and 2)	CGCAATTAGGTAC
Bgtw7	Bgtw7.M	Mother	Bgtw7.M.m9	32.7	9	244	16,054	TCP2 (runs 1 and 2)	CGCCAACAACCAT
Bgtw7	Bgtw7.M	Mother	Bgtw7.M.m10	32.8	10	275	16,972	T78	TAGTGTTTCGGAC
Bgtw7	Bgtw7.M	Mother	Bgtw7.M.m11	32.8	11	307	18,622	T78	TCGTACTCTCGAG
Bgtw7	Bgtw7.M	Mother	Bgtw7.M.m12	32.9	12	336	17,114	T56 (runs 1 and 2)	ATGCCGTATGCCA
Bgtw7	Bgtw7.M	Mother	Bgtw7.M.m13	33.0	13	364	24,908	TCP2 (runs 1 and 2)	AGCTCTCCGTAGA
Bgtw7	Bgtw7.M	Mother	Bgtw7.M.m14	33.1	14	397	25,642	T56 (runs 1 and 2)	AGCTCTCCGTAGA
Bgtw7	Bgtw7.M	Mother	Bgtw7.M.m15	33.2	15	427	34,912	T56 (runs 1 and 2)	GTGTGCGATAACA
Bgtw7	Bgtw7.M	Mother	Bgtw7.M.m16	33.2	16	455	26,763	T56 (runs 1 and 2)	TGCGAGCGAAGTA
Bgtw8	Bgtw8.M	Mother	Bgtw8.M.m2	35.1	2	35	14,743	T34	CTTATGGTACGGA
Bgtw8	Bgtw8.M	Mother	Bgtw8.M.m3	35.2	3	64	12,586	T34	GAACCAAACTCGA
Bgtw8	Bgtw8.M	Mother	Bgtw8.M.m4	35.2	4	90	15,905	T12	CACCAGTGACTCA
Bgtw8	Bgtw8.M	Mother	Bgtw8.M.m5	35.3	5	122	22,094	T56 (runs 1 and 2)	CGATGTTCGCTAG
Bgtw8	Bgtw8.M	Mother	Bgtw8.M.m6	35.4	6	157	11,955	T12	CTGCGCTGAATGT
Bgtw8	Bgtw8.M	Mother	Bgtw8.M.m7	35.5	7	185	12,986	T12	ATATACCGCTGCG
Bgtw8	Bgtw8.M	Mother	Bgtw8.M.m8	35.6	8	212	24,345	T56 (runs 1 and 2)	CATCAGTACTAGG
Bgtw8	Bgtw8.M	Mother	Bgtw8.M.m9	35.7	9	247	24,921	T56 (runs 1 and 2)	CAGCAACATTGCA
Bgtw8	Bgtw8.M	Mother	Bgtw8.M.m11	35.8	11	305	18,724	T56 (runs 1 and 2)	CGTGCAACCAATC
Bgtw8	Bgtw8.M	Mother	Bgtw8.M.m12	35.9	12	333	22,064	T56 (runs 1 and 2)	GATCTACCGAAGC

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Bgtw8	Bgtw8.M	Mother	Bgtw8.M.m13	36.0	13	364	22,114	T78	TGTAGAGGTAGAG
Bgtw9	Bgtw9.M	Mother	Bgtw9.M.m2	20.1	2	38	21,305	TCP2 (runs 1 and 2)	TGTTATCGCATGG
Bgtw9	Bgtw9.M	Mother	Bgtw9.M.m3	20.2	3	65	11,004	T12	TCTCACCTAGGAA
Bgtw9	Bgtw9.M	Mother	Bgtw9.M.m4	20.3	4	93	17,898	T12	CTACACAAGTCGC
Bgtw9	Bgtw9.M	Mother	Bgtw9.M.m5	20.3	5	120	12,883	T12	CGGTGACTAGTTC
Bgtw9	Bgtw9.M	Mother	Bgtw9.M.m7	20.5	7	185	22,936	TCP2 (runs 1 and 2)	ACGTGCTTAGGCT
Bgtw9	Bgtw9.M	Mother	Bgtw9.M.m8	20.6	8	218	18,803	T78	GCAGAAATGTGTC
Bgtw9	Bgtw9.M	Mother	Bgtw9.M.m10	20.7	10	273	16,732	TCP2 (runs 1 and 2)	ATTGATCCGGTAG
Bgtw9	Bgtw9.M	Mother	Bgtw9.M.m12	20.9	12	336	29,995	T56 (runs 1 and 2)	ATGTAACGCCGAT
Bgtw9	Bgtw9.M	Mother	Bgtw9.M.m13	21.0	13	368	19,398	T56 (runs 1 and 2)	CTAGTATGCGCAA
Bgtw10	Bgtw10.M	Mother	Bgtw10.M.m1	30.0	1	3	22,263	TCP2 (runs 1 and 2)	AGCCTAGCCCAAT
Bgtw10	Bgtw10.M	Mother	Bgtw10.M.m2	30.1	2	33	18,615	T12	GCGACTCTAAACG
Bgtw10	Bgtw10.M	Mother	Bgtw10.M.m3	30.2	3	60	22,139	T12	GTGGTCAACGATA
Bgtw10	Bgtw10.M	Mother	Bgtw10.M.m4	30.3	4	93	19,762	TRX	ACGCTGTGGATTA
Bgtw10	Bgtw10.M	Mother	Bgtw10.M.m5	30.3	5	123	15,019	T78	TAGCTGTCAAGCT
Bgtw10	Bgtw10.M	Mother	Bgtw10.M.m6	30.4	6	154	24,658	T56 (runs 1 and 2)	CGTCGAATTTGCG
Bgtw10	Bgtw10.M	Mother	Bgtw10.M.m7	30.5	7	184	18,035	T78	AGGTTCGGTCCAT
Bgtw10	Bgtw10.M	Mother	Bgtw10.M.m8	30.6	8	212	19,391	T56 (runs 1 and 2)	CGTGTTAGATGTG
Bgtw10	Bgtw10.M	Mother	Bgtw10.M.m9	30.7	9	245	38,351	T56 (runs 1 and 2)	TAGCTGTCAAGCT
Bgtw10	Bgtw10.M	Mother	Bgtw10.M.m10	30.7	10	271	26,347	T56 (runs 1 and 2)	CTATCGACACAAG
Bgtw10	Bgtw10.M	Mother	Bgtw10.M.m11	30.8	11	303	31,076	T56 (runs 1 and 2)	TCTCACCTAGGAA
Bgtw10	Bgtw10.M	Mother	Bgtw10.M.m12	30.9	12	332	27,492	T56 (runs 1 and 2)	CACGATTCGAGTC
Bgtw10	Bgtw10.M	Mother	Bgtw10.M.m13	31.0	13	365	13,612	T78	CGTAAATTCAGGC
Bgtw11	Bgtw11.M	Mother	Bgtw11.M.m1	21.0	1	3	26,161	T56 (runs 1 and 2)	ACGCTACAACTCG
Bgtw11	Bgtw11.M	Mother	Bgtw11.M.m2	21.1	2	27	33,396	T56 (runs 1 and 2)	CGTATTTCGGACG
Bgtw11	Bgtw11.M	Mother	Bgtw11.M.m3	21.2	3	60	38,371	T56 (runs 1 and 2)	ACAACTCCGTGA
Bgtw11	Bgtw11.M	Mother	Bgtw11.M.m4	21.2	4	88	18,784	T78	ATTGATCCGGTAG
Bgtw11	Bgtw11.M	Mother	Bgtw11.M.m5	21.3	5	120	31,702	T56 (runs 1 and 2)	TCGTTGAGCTTGA
Bgtw11	Bgtw11.M	Mother	Bgtw11.M.m6	21.4	6	151	27,234	TCP2 (runs 1 and 2)	GTGGCAAATCTAG
Bgtw11	Bgtw11.M	Mother	Bgtw11.M.m7	21.5	7	192	18,199	TCP2 (runs 1 and 2)	CAGTTGTAGTCCG
Bgtw11	Bgtw11.M	Mother	Bgtw11.M.m8	21.6	8	216	41,854	T56 (runs 1 and 2)	GACCGGTATGTAC
Bgtw11	Bgtw11.M	Mother	Bgtw11.M.m9	21.7	9	243	19,865	T56 (runs 1 and 2)	ACCTGCGAAGTAT
Bgtw11	Bgtw11.M	Mother	Bgtw11.M.m10	21.8	10	279	16,839	T78	CGCATAGCATCAA

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Bgtw11	Bgtw11.M	Mother	Bgtw11.M.m11	21.8	11	306	20,396	T78	AGTTCACGCCCAA
Bgtw11	Bgtw11.M	Mother	Bgtw11.M.m12	21.9	12	334	17,489	T78	TACCAATCTCGGC
Bgtw12	Bgtw12.M	Mother	Bgtw12.M.m1	22.0	1	7	18,105	T56 (runs 1 and 2)	GTTAAGACAGTCG
Bgtw12	Bgtw12.M	Mother	Bgtw12.M.m2	22.1	2	31	38,175	T56 (runs 1 and 2)	CAGTTGAGGCATT
Bgtw12	Bgtw12.M	Mother	Bgtw12.M.m3	22.2	3	60	16,379	T78	CGGATCGTAATAC
Bgtw12	Bgtw12.M	Mother	Bgtw12.M.m4	22.2	4	91	40,446	T56 (runs 1 and 2)	ACATTATGGCGTG
Bgtw12	Bgtw12.M	Mother	Bgtw12.M.m5	22.3	5	125	12,674	T78	TCTGTCAGTGACC
Bgtw12	Bgtw12.M	Mother	Bgtw12.M.m6	22.4	6	158	41,746	T56 (runs 1 and 2)	TAAGGCGCTCCTT
Bgtw12	Bgtw12.M	Mother	Bgtw12.M.m7	22.5	7	187	21,437	T56 (runs 1 and 2)	CTAATACGGATCG
Bgtw12	Bgtw12.M	Mother	Bgtw12.M.m8	22.6	8	216	36,976	T56 (runs 1 and 2)	CACAATAGACACC
Bgtw12	Bgtw12.M	Mother	Bgtw12.M.m9	22.7	9	245	15,573	T78	CAGCAACATTGCA
Bgtw12	Bgtw12.M	Mother	Bgtw12.M.m10	22.8	10	280	16,713	T78	GCGTTCCTTGTTA
Bgtw12	Bgtw12.M	Mother	Bgtw12.M.m11	22.9	11	314	16,498	T78	CGGCGATTTACGT
Bgtw12	Bgtw12.M	Mother	Bgtw12.M.m12	22.9	12	341	15,881	TRX	AGCGATATATCGC
Bgtw12	Bgtw12.M	Mother	Bgtw12.M.m13	23.0	13	372	17,612	TRX	TCGTAAGATGCCT

Table ED6

16S rRNA sequences and annotation of age-discriminatory bacterial taxa in order of feature importance

Rank Order	16S rRNA OTU ID (as shown in Fig. 1)	Age discriminatory feature importance score (mean ± SD)	RDP 2.4 Taxonomic Annotation (Phylum;Class;Order;Family;Genus;Species)	Representative 16S rRNA Sequence of the 97% ID OTU cluster
1	326792	9.64 ± 0.29	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii	AACGTAGGTCACAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGAGAACAAGTTGGAAGTGAAATCCATGGGCTCAACCCATGAACTGCTTTCAAAACTGTTTTCTTGAGTAGTGCAGAGGTAGGCGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTACTGGGCACCAACTGACGCTGAGGCTCGAAAGTGTGGGTAGCAAACAGG
2	189827	7.21 ± 0.38	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_sp_5_1_39BFAA	TACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGTGGCAAGTCTGATGTGAAAGGCATGGGCTCAACCCTGTGGACTGCATTGGAAACTGTATGCTTGAGTGCCGGAGGGGTAAGCGGAATTTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGTAACTGACGTTCAGGCTCGAAAGCGTGGGGAGCAAACAGG
3	470663	3.89 ± 0.22	Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus;Lactobacillus_ruminis	TACGTAGGTGGCGAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAACGCAGGCGGTTCTTTTAAGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGTAGTGCATTGGAAACTGGAAGACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATTGGAAGAACACCAGTGGCGAAGCGGCTCTCTGGTCTGTAACTGACGCTGAGGTTCGAAAGCGTGGGTAGCAAACAGG
4	191687	3.27 ± 0.23	Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Dorea;Dorea_longicatena	TACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCACGGCAAGCCAGATGTGAAAGCCCGGGCTCAACCCCGGGACTGCATTTGGAACTGCTGAGCTAGAGTGTCGGAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGG
5	72820	2.86 ± 0.14	Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium;Bifidobacterium_longum	TACGTAGGGTGCAAGCGTTATCCGGAATTATTGGGCGTAAAGGGCTCGTAGGCGGTTCGTCGCGTCCGGTGTGAAAGTCCATCGCTTAACGGTGGATCCGCGCGCGGTACGGGCGGGCTTGAGTGCGGTAGGGGAGACTGGAATTCCCGGTGTAACGGTGGAATGTGTAGATATCGGGAAGAACACCAATGGCGAAGGCAGGTCTCTGGGCCGTTACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGG
6	194745	2.43 ± 0.19	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_sp_5_1_39BFAA	TACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGTGGCAAGTCTGATGTGAAAGGCATGGGCTCAACCCGTGGACTGCATTGGAAACTGTCATACTTGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGG
7	15141	1.98 ± 0.12	Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus;Lactobacillus_mucosae	TACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCCTTCGGCTTACCAAAGAAGTGCATCGGAAACTGTCAGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATTGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGG
8	561483	1.59 ± 0.10	Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium	TACGTAGGGTGCAAGCGTTATCCGGAATTATTGGGCGTAAAGGGCTCGTAGGCGGTTCGTCGCGTCCGGTGTGAAAGTCCATCGCTTAACGGTGGATCCACGCGCGGTACGGGCGGGCTTGAGTGCGGTAGGGGAGACTGGAATTCCCGGTGTAACGGTGGAATGTGTAGATATCGGGAAGAACACCAATGGCGAAGGCAGGTCTCTGGGCCGTTACTGACGCTGAGGAGCGAAAGCGTGGGGAGCAAACAGG
9	217996	0.99 ± 0.06	Firmicutes;Bacilli;Bacillales;Staphylococcaceae;Staphylococcus	TACGTAGGTGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGCGCGCGTAGGCGGTTTTTTAAGTCTGATGTGAAAGCCCACGGCTCAACCGTGGAGGGTCATTGGAAACTGGAAAACTTGAGTGCAGAAGAGGAAAGTGGAATTCCATGTGTAGCGGTGAGATGCGCAGAGATATGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGTCTGTAACTGACGCTGATGTGCGAAAGCGTGGGGATCAAACAGG
10	364234	0.95 ± 0.12	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_sp_5_1_39BFAA	TACGTAGGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGTGGCAAGTCTGATGTGAAAGGCATGGGCTCAACCTGTGGACTGCATTGGAAACTGTCATACTTGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGG
11	287510	0.92 ± 0.08	Firmicutes;Erysipelotrichi;Erysipelotrichales;Erysipelotrichaceae;Catenibacterium;Catenibacterium_mitsuokai	TACGTAGGTGGCGAGCGTTATCCGGAATCATTGGGCGTAAAGAGGAGACGGCGGCCGCACGGGTCTGTGGTGAAAGACCGAAGCTAACTTCGGTAAGCCATGGAAACCGGCGCGCTAGAGTGCGGAAGAGGATCGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGACGGTCTGGGCCGCAACTGACGCTCATTCCCGAAGCGTGGGAGCAAATAGG
12	261912	0.88 ± 0.10	Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Dorea;Dorea_formicigenerans	TACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGCAAGTCTGAAGTGAAAGGCATGGGCTCAACCTGTGGACTGCTTTGGAAACTGTGCAGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGG
13	361809	0.61 ± 0.11	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_torques	TACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGTGGCAAGTCTGATGTGAAAGCCCGGGCTCAACCCCGGGACTGCATTGGAAACTGTCAATCTAGAGTACCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGG
14	108747	0.52 ± 0.05	Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Streptococcus;Streptococcus_thermophilus	TACGTAGGTCCCGAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGAAGTTAAAGGCTGTGGCTCAACCATAGTTCGCTTTGGAAACTGTCAAACTTGAGTGCAGAAGGGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCGGTGGCGAAAGCGGCTCTCTGGTCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCGAACAGG
15	533785	0.51 ± 0.05	Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium	TACGTAGGGCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGGGCTCGTAGGCGGTTCGTCGCGTCCGGTGTGAAAGTCCATCGCTTAACGGTGGATCCGCGCGCGGTACGGGCGGGCTTGAGTGCGGTAGGGGAGACTGGAATTCCGGTGTAACGGTGGAATGTGTAGATATCGGGAAGAACACCAATGGCGAAGGCAGGTCTCTGGGCCGTTACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGG
16	9514	0.46 ± 0.06	Proteobacteria;Gammaproteobacteria;Pasteurellales;Pasteurellaceae;Haemophilus;Haemophilus_parainfluenzae	TACGGAGGGTGCGAGCGTTAATCGGAATAACTGGGCGTAAAGGGCACGCAGGCGGTGACTTAAGTGAGGTGTGAAAGCCCCGGCTTAACCTGGGAATTGCATTTCATACTGGGTCGCTAGAGTACTTTAGGGAGGGGTAGAATTCCACGTGTAGCGGTGAAATGCGTAGAGATGTGGAGGAATACCGAAGGCGAAGGCAGCCCCTTGGGAATGTACTGACGCTCATGTGCGAAAGCGTGGGGAGCAAACAGG
17	561636	0.42 ± 0.05	Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Streptococcus	TACGTAGGTCCCGAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTAGATAAGTCTGAAGTTAAAGGCTGTGGCTTAACCATAGTACGCTTTGGAAACTGTTTAACTTGAGTGCAAGAGGGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCGGTGGCGAAAGCGGCTCTCTGGCTTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGG
18	312461	0.42 ± 0.04	Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium	TACGTAGGGGGCTACGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGCCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGG
19	470139	0.40 ± 0.05	Firmicutes;Erysipelotrichi;Erysipelotrichales;Erysipelotrichaceae;unclassified_Erysipelotrichaceae;Clostridium_ramosum	TACGTAGGTGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGGAGCAGGCGGCAGCAAGGGTCTGTGGTGAAAGCCTGAAGCTTAACTTCAGTAAGCCATAGAAACCAGGCAGCTAGAGTGCAGGAGAGGATCGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGACGATCTGGCCTGCAACTGACGCTCAGTCCCGAAAGCGTGGGGAGCAAATAGG
20	181834	0.38 ± 0.08	Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium	TACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGACGGCGATGCAAGTCTGAAGTGAAAGCCCGGGCTCAACCCCGGGACTGCTTTGGAAACTGTATGGCTAGAGGACGAACGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTCTGGACAGATAACTGACGTTCAGGCTCGAAAGCGTGGGGAGCAAACAGG
21	148099	0.38 ± 0.05	Firmicutes;Bacilli;Lactobacillales;Leuconostocaceae;Weissella;Weissella_cibaria	TACGTATGTTCCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGACGGTTATTTAAGTCTGAAGTGAAAGCCCTCAGCTCAACTGAGGAATTGCTTTGGAAACTGGATGACTTGAGTGCAGTAGAGGAAAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATTGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGTTGAGGCTCGAAAGTGTGGGTAGCAAACAGG
22	469873	0.36 ± 0.05	Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium	TACGTAGGGTGCAAGCGTTATCCGGAATTATTGGGCGTAAAGGGCTCGTAGGCGGTTCGTCGCGTCCGGTGTGAAAGTCCATCGCTTAACGGTGGATCTGCGCGCGGTACGGGCGGGCTGGAGTGCGGTAGGGGAGACTGGAATTCCCGGTGTAACGGTGGAATGTGTAGATATCGGGAAGAACACCAATGGCGAAGGCAGGTCTCTGGGCCGTTACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGG
23	185951	0.35 ± 0.06	Firmicutes;Clostridia;Clostridiales	TACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGATGGACAAGTCTGATGTGAAAGGCTGGGGCTCAACCCCGGGACTGCATTGGAAACTGCCCGTCTTGAGTGCCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGG
24	212619	0.31 ± 0.04	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae	AACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGCCAAGTTGGAAGTGAAACTATGGGCTCAACCCATAAATTGCTTTCAAAACTGCTGGCCTTGAGTAGTGCAGAGGTAGGTGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCCGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCACCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGG
25	469852	0.29 ± 0.05	Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium;Bifidobacterium_bifidum	TACGTAGGGCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGGGCTCGTAGGCGGCTCGTCGCGTCCGGTGTGAAAGTCCATCGCTTAACGGTGGATCTGCGCCCGGGTACGGGCGGGCTGGAGTGCGGTAGGGGAGACTGGAATTCCCGGTGTAACGGTGGAATGTGTAGATATCGGGAAGAACACCGATGGCGAAGGCAGGTCTCTGGGCCGTCACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGG
26	170124	0.28 ± 0.06	Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_desmolans	TACGTAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGCAGGCGGCGGCCGGCAAGTTGGAAGTGAAATCTATGGGCTTAACCCATAAACTGCTTTCAAAACTGCTTGAGTGATGTGAGAGGCAGCGGCGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCTGCTGGACATTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGG
27	187010	0.28 ± 0.06	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii	TACGTAGGTCACAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGAGAGCAAGTTGGAAGTGAAATCCATGGGCTCAACCCATGAACTGCTTTCAAAACTGTTTTCTTGAGTAGTGCAGAGGTAGGCGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAAGAACACCAGTGGCGAAGGCGGCCTACTGGCACCAACTGACGCTGAGGCTCGAAAGTGTGGGTAGCAAACAGG
28	303304	0.27 ± 0.05	Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella;Prevotella_copri	TACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGACGATTAAGCGTGTTGTGAAATGTAGACGCTCAACGTCTGCACTGCAGCGCGAACTGGTTTCCTTGAGTACGCACAAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGG
29	470527	0.26 ± 0.03	Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus;Lactobacillus_reuteri	TACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGG
30	210269	0.25 ± 0.04	Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae	TACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTCTGTCAAGTCGGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATTCGAAACTGCAGGCTAGAGTCTTGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACAAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGG
31	182202	0.24 ± 0.03	Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium;Clostridium_glycolicum	TACGTAGGGGCTACGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGCCTACGGCTCAACCGTAGTAAGCTCTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGG
32	178122	0.23 ± 0.06	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_obeum	TACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGACTGGCAAGTCTGATGTGAAAGGCGGGGGCTCAACCCCTGGACTGCATTGGAAACTGTTAGTCTTGAGTGCCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGG
33	540230	0.21 ± 0.04	Firmicutes;Bacilli;Lactobacillales;Enterococcaceae;Enterococcus;Enterococcus_faecalis	TACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTCTTAAGTCTGATGTGAAAGCCCCCGGCTCAACCGGGGAGGGTCATTGGAAACTGGGAGACTTGAGTGCAGAAGAGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGG
34	309068	0.18 ± 0.04	Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella;Prevotella_copri	TACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGACGATTAAGCGTGTTGTGAAATGTAGATGCTCAACATCTGCACTGCAGCGCGAACTGGTTTCCTTGAGTACGCACAAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGAGCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGG
35	24773	0.16 ± 0.03	Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium	TACGTAGGGTGCAAGCGTTATCCGGAATTATTGGGCGTAAAGGGCTCGTAGGCGGTTCGTCGCGTCCGGTGTGAAAGTCCATCGCTTAACGGTGGATCTGCGCCCGGGTACGGGCGGGCTGGAGTGCGGTAGGGGAGACTGGAATTCCCGGTGTAACGGTGGAATGTGTAGATATCGGGAAGAACACCGATGGCGAAGGCAGGTCTCTGGGCCGTCACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGG
36	554755	0.16 ± 0.03	Firmicutes;Bacilli;Lactobacillales;Enterococcaceae;Enterococcus	TACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTCTTAAGTCTGATGTGAAAGCCCCCGGCTCAACCGGGGAGGGTCATTGGAAACTGGGAAACTTGAGTGCAGAAGAGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTGGCGAAAGCGGCTCTCTGGTCTGTAACTGACGCTGAGGTTCGAAAGCGTGGGTAGCAAACAGG
37	305760	0.15 ± 0.04	Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae;Escherichia;Escherichia_coli	TACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGG
38	268604	0.15 ± 0.03	Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella	TACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGACCTTTAAGTCAGCTGTGAAATACGGCGGCTCAACCGTCGAACTGCAGTTGATACTGGAGGTCTTGAGTGCACACAGGGATGCTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGATCGCGAAGGCAGGCATCCGGGGTGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGG
39	188900	0.15 ± 0.04	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii	AACGTAGGTCACAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGAGAACAAGTTGGAAGTGAAATCCATGGGCTCAACCCATGAACTGCTTTCAAAACTGTTTTCTTGAGTAGTGCAGAGGTAGGCGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTACTGGGCACCAACTGACGCTGAGGCTCGAAAGTGTGGGTAGCAAACAGG

Rank Order	16S rRNA OTU ID (as shown in Fig. 1)	Age discriminatory feature importance score (mean ± SD)	RDP 2.4 Taxonomic Annotation (Phylum;Class;Order;Family;Genus;Species)	Representative 16S rRNA Sequence of the 97% ID OTU cluster
40	174256	0.14 ± 0.03	Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_hallii	TACGTATGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGCAGTGCAAGTCAGATGTGAAAGGCCGGGGCTCAACCCCGGAGCTGCATTTGAAACTGCTCGGCTAGAGTACAGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACTGTTACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGG
41	130663	0.14 ± 0.03	Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;Bacteroides_fragilis	TACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGG
42	292424	0.14 ± 0.04	Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Streptococcus	TACGTAGGTCCCGAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTAATAAGTCTGAAGTTAAAGGCAGTGGCTTAACCATTGTTCGCTTTGGAAACTGTTAGACTTGAGTGCAGAAGGGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCGGTGGCGAAAGCGGCTCTCTGGTCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGG
43	269541	0.14 ± 0.03	Firmicutes;Bacilli;Bacillales;Staphylococcaceae;Staphylococcus	TACGTAGGTGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGCGCGCGTAGGCGGTTTTTAAGTCTGATGTGAAAGCCCACGGCTCAACCGTGGAGGGTCATTGGAAACTGGAAAACTTGAGTGCAGAAGAGGAAAGTGGAATTCCATGTGTAGCGGTGAAATGCGCAGAGATATGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGTCTGTAACTGACGCTGATATGCGAAAGCGTGGGGATCAAACAGG
44	191900	0.13 ± 0.03	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_sp._5_1_39BFAA	TACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGCGGCAAGTCTGATGTGAAAGCATGGGCTCAACCTGTGGACTGCATTGGAAACTGTCATACTTGAGTGCCGGAGGGGTAACGCGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGCAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGG
45	48207	0.13 ± 0.03	Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Dialister	TACGTAGGTGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGCGCGCGCAGGCGGCTTCTTAAGTCCATCTTAAAGTGCGGGGCTTACCCCGTGATGGGATGGAAACTGAGAGGCTGGAGTATCGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCGGTGGCGAAGGCGACTTTCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGG
46	186029	0.12 ± 0.03	Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae;Collinsella;Collinsella_aerofaciens	TACGTAGGGGGCGAGCGTTATCCGGATTCATTGGGCGTAAAGCGCGCGTAGGCGGCCCGGCAGGCGGGGGTCGAAGCGGGGGGCTCAACCCCCGAAGCCCCGGAACCTCCGCGGCTTGGGTCCGGTAGGGGAGGGTGGAACACCCGGTGTAGCGGTGAATGCGCAGATATCGGGTGGACACCGGTGGCGAAGGCGGCCCTCTGGGCCGAGACCGACGCTGAGGCGCGAAAGCTGGGGGAGCGAACAGG
47	325608	0.11 ± 0.04	Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium;Clostridium_bartlettii	TACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGCGGTCTTTTAAGTCAGGAGTGAAAGGCTACGGCTCAACCGTAGTAAGCTCTTGAAACTGGAGGACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAGAGCGGCTCTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGG
48	252321	0.11 ± 0.02	Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus	TACGTAGGGTGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAGAATAAGTCTGATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAATGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGG
49	195574	0.10 ± 0.02	Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella	TACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGAGATTAAGCGTGTTGTGAAATGTAGAGGCTCAACCTCTGCACTGCAGCGCGAACTGGTCTTCTTGAGTACGCACAACGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACGGGAGCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGG
50	365047	0.10 ± 0.03	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_sp._5_1_39BFAA	TACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGTGGCAAGTCTGATGTGAAAGGCATGGGCTCAACCTGTGGACTGCATTGGAAACTGTCATACTTGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGTAGCAAACAGG
51	471308	0.09 ± 0.03	Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus;Lactobacillus_ruminis	TACGTAGGTGGCAGCGGTTGTCCGGATTTATTGGGCGTAAAGGGAACGCAGGCGGTCTTTTAAGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGTAGTGCATTGGAAACTGGAAGACTTGAGTGCAGAAGAGGAGAGTGGAGCTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGCGGCTCTCTGGTCTGTAACTGACGCTGAGGTTCGAAAGCGTGGGTAGCAAACAGG
52	307981	0.09 ± 0.03	Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae	TACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACAAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAACAGG
53	15382	0.08 ± 0.02	Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Streptococcus	TACGTAGGTCCCGAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGAAGTTAAAGGCTGTGGCTCAACCATAGTTCGCTTTGGAAACTGTCAAACTTGAGTGCAGAAGGGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCGGTGGCGAAAGCGGCTCTCTGGTCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGG
54	302844	0.08 ± 0.02	Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium;Clostridium_disporicum	TACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGG
55	528842	0.08 ± 0.02	Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Streptococcus;Streptococcus_parasanguinis	TACGTAGGTCCCGACGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTAGATAAGTCTGAAGTTAAAGGCTGTGGCTTAACCATAGTACGCTTTGGAAACTGTTTAACTTGAGTGCAGAAGGGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCGGTGGCGAAAGCGGCTCTCTGGTCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGG
56	131391	0.08 ± 0.03	Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium	TACGTAGGTCCCGAGCGTTGTCCGGATTTATTGGGCGTAAAGGGCTCGTAGGCGGTTCGTCGCGTCCGGTGTGAAAGTCCATCGCTTAACGGTGGATCCGCGCCGGGTACGGGCCGGCTTGAGTGCGGTAGGGGAGACTGGAATTCCCGGTGTAACGGTGGAATGTGTAGATATCGGGAAGAACACCAATGGCGAAGGCAGGTCTCTGGGCCGTTACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGG
57	259261	0.08 ± 0.02	Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Megamonas	TACGTAGGCGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGGGAGCGCAGGCGGGAAACTAAGCGGATCTTAAAAGTGCGGGGCTCAACCCCGTGATGGGGTCCGAACTGGTTTTCTTGAGTGCAGGAGAGGAAAGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTAGGGTAGCGAACGGG
58	248563	0.08 ± 0.02	Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium	TACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACTCGGGCTTAACCTGAGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGG
59	162427	0.08 ± 0.02	Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Megasphaera	TACGTAGGTGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGGGCGCGCAGGCGGCATCGCAAGTCGGTCTTAAAGTGCGGGGCTTAACCCCGTGAGGGGACCGAAACTGTGAAGCTCGAGTGTCGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGCGGCTTTCTGGACGACAACTGACGCTGAGGCGCGAAAGCCAGGGGAGCAAACGGG
60	545371	0.07 ± 0.01	Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus	TACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAGATAAGTCTGAAGTGAAAGCCCCCGGCTTAACCGGGGAACTGCTTCGGAAACTGTCCTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGG

The larger the age-discriminatory importance score the more important the indicated taxon is for age discrimination (determined by permutation using unscaled feature importance scores)

Table ED8

Identification of factors affecting variance in fecal microbiota configuration of healthy twins and triplets

		Hellinger Distance Metric					Unweighted UniFrac Distance Metric				
	Factor	**SumsOfSqs**	**MeanSqs**	**F.Model**	**R^2**	**p-value**	**SumsOfSqs**	**MeanSqs**	**F.Model**	**R^2**	**p-value**
	Chronologic Age	0.6212	0.6212	108.364	0.19033	0.001	0.79963	0.79963	290.79	0.37721	0.001
Diet at time of fecal sample collection	Breastmilk	0.0549	0.0549	9.568	0.01681	0.001	0.03117	0.03117	11.336	0.01471	0.052
	Formula	0.0049	0.0049	0.848	0.00149	0.88	0.00939	0.00939	3.415	0.00443	0.184
	Solid foods	0.0205	0.0205	3.584	0.00629	0.08	0.03922	0.03922	14.263	0.0185	0.001
	Diarrhea	0.01	0.01	1.681	0.00295	0.18	0.01255	0.01255	4.563	0.00592	0.006
	Antibiotic Usage	0.002	0.002	0.294	0.00052	0.88	0.00421	0.00421	1.533	0.00199	0.154

PERMANOVA was implemented using the R vegan package's 'adonis function'. We tested for significant associations in a linear model between microbiota variation (as measured by Hellinger or unweighted Unifrac metrics) and the indicated factors. Permutations were constrained within each twin-pair and the set of triplets and interactions between factors were not considered.

Table ED9

Bacterial taxa enriched in the gut microbiota of Bangladeshi mothers during the first post-partum month compared to subsequent months 2 - 12

16S rRNA OTU ID (as shown in Main Fig. 2b)	Relative abundance (%) during first month post-partum[1]	Relative abundance (%) during subsequent months	FDR-corrected p value	Beta Coefficient[2]	Rank order of importance in Random Forests-based age-discriminatory model	RDP 2.4 Taxonomic Annotation (Phylum;Class;Order;Family;Genus;Species)
469873	12.27 ± 4.91	2.08 ± 0.45	0.033	+0.148	22	Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium
72820	7.70 ± 3.33	0.64 ± 0.14	0.001	+0.13	5	Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium;Bifidobacterium_longum
348374	0.62 ± 0.60	0.00 ± 0.00	0.012	+0.028		Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;Bacteroides_thetaiotaomicron
158660	0.54 ± 0.46	0.02 ± 0.01	0.037	+0.025		Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides
194648	0.40 ± 0.13	0.11 ± 0.01	0.020	+0.024		Firmicutes;Clostridia;Clostridiales;unclassified_Clostridiales;Blautia;Blautia_sp_M25
528842	0.29 ± 0.26	0.02 ± 0.00	0.006	+0.023		Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Streptococcus;Streptococcus_parasanguinis
561483	0.15 ± 0.07	0.01 ± 0.00	< 0.0001	+0.019	8	Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium
113558	0.19 ± 0.12	0.02 ± 0.00	0.027	+0.018		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae
122816	0.16 ± 0.15	0.00 ± 0.00	0.007	+0.014		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae;Morganella;Morganella_morganii
259130	0.10 ± 0.09	0.00 ± 0.00	0.012	+0.011		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_limosum
259422	0.06 ± 0.05	0.00 ± 0.00	0.012	+0.008		Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus
192132	0.04 ± 0.03	0.00 ± 0.00	0.024	+0.007		Proteobacteria;Deltaproteobacteria;Desulfovibrionales;Desulfovibrionaceae;Bilophila;Bilophila_wadsworthia
44126	0.03 ± 0.02	0.00 ± 0.00	0.012	+0.007		Firmicutes;Bacilli;Lactobacillales;Enterococcaceae;Enterococcus

[1] Mean values ± SEM are shown

[2] Beta-coefficient is the measure of effect size in linear mixed models used to identify maternally-enriched taxa during the first post-partum month

Table ED10

Metadata for Bangladeshi children with SAM in a randomized clinical trial of RUTF versus Khichuri-Halwa

Child ID	Gender	WHZ at enrollment	Food Intervention Assignment	Age at beginning of intervention (months)	Duration of food intervention (days)[1]	WHZ at end of food intervention phase	Rate of weight gain (g/kg body weight/day)	Enteropathogens detected at enrollment	Months followed during post intervention period
Bgmal1	Male	-5.22	RUTF	7.43	28	-2.97	2.12	none detected	5.53
Bgmal5	Male	edema	RUTF	10.87	21	-4.18	8.07	none detected	5.97
Bgmal6	Male	-4	RUTF	11.7	17	-2.75	10.69	none detected	lost to follow-up
Bgmal7	Female	-3.92	RUTF	10.3	27	-2.72	12.47	none detected	3.04
Bgmal9	Female	-3.76	RUTF	11.27	8	-3.02	5.18	not done	lost to follow-up
Bgmal13	Female	-3.51	RUTF	6.67	3 (LAMA)	-3.78	4.63	none detected	lost to follow-up
Bgmal14	Male	-4.17	RUTF	14.2	17	-2.79	8.31	*Vibrio cholerae*	lost to follow-up
Bgmal15	Male	-4.03	RUTF	17.37	8	-2.49	17.23	none detected	2
Bgmal18	Male	-4.6	RUTF	14.97	17	-3.67	4.76	none detected	1.1
Bgmal20	Female	-3.38	RUTF	10.67	9 (LAMA)	-3.32	11.13	*Shigella flexneri*	lost to follow-up
Bgmal22	Male	-3.35	RUTF	9.27	8	-3.31	4.75	not done	6.17
Bgmal25	Male	-3.38	RUTF	6.77	18	-2.25	7.82	none detected	6
Bgmal26	Male	-4.97	RUTF	NA	3 (LAMA)	-5.23	16.2	none detected	lost to follow-up
Bgmal27	Male	-4.91	RUTF	9.07	16	-3.75	15.98	none detected	lost to follow-up
Bgmal29	Male	-4.07	RUTF	10.47	8	-2.63	16.87	none detected	0.13
Bgmal33	Female	-4.86	RUTF	8.33	21	-3.23	11.6	none detected	3.93
Bgmal34	Male	-4.73	RUTF	16.6	17	-3.3	14.7	none detected	3.04
Bgmal35	Male	-5.28	RUTF	7.87	15	-3.92	12.3	not done	4.9
Bgmal38	Male	-4.66	RUTF	14.13	1 (LAMA)	-4.66	no weight gain	none detected	lost to follow-up
Bgmal41	Female	-3.39	RUTF	18.8	17	-2.33	8.6	*Shigella boydi*	4.87
Bgmal42	Female	-3.4	RUTF	14.6	13	-2.58	10.7	*Hafnia alvae*	lost to follow-up
Bgmal43	Male	-5.3	RUTF	7.13	14	-4.07	15.3	none detected	5.9
Bgmal44	Male	-3.45	RUTF	7.77	14	-2.63	10.1	not done	5.9
Bgmal48	Male	-3.3	RUTF	16.1	13	-1.99	8.6	*Vibrio cholerae*	1.54
Bgmal49	Male	-4.09	RUTF	8.73	4 (LAMA)	-3.81	15.9	none detected	lost to follow-up
Bgmal52	Male	-5.3	RUTF	12.57	12 (LAMA)	-4.24	4.5	not done	lost to follow-up
Bgmal54	Female	-3.91	RUTF	10.53	14	-3.1	7.4	not done	2.93
Bgmal57	Male	-4.24	RUTF	17.33	12	-2.57	13.8	not done	6
Bgmal58	Male	-4.29	RUTF	11.07	11	-2.13	17.1	not done	7.27
Bgmal59	Male	-4.54	RUTF	14.77	9	-2.75	16.2	not done	6.06

Child ID	Gender	WHZ at enrollment	Food Intervention Assignment	Age at beginning of intervention (months)	Duration of food intervention (days)[1]	WHZ at end of food intervention phase	Rate of weight gain (g/kg body weight/day)	Enteropathogens detected at enrollment	Months followed during post intervention period
Bgma161	Male	-4.44	RUTF	14.27	13	-3.31	16.69	not done	0.54
Bgma162	Male	-3.51	RUTF	7.33	20	-2.34	6.92	not done	1.5
Bgma12	Female	-4.21	Khichuri-Halwa	12.13	21	-2.72	10.62	none detected	lost to follow-up
Bgma13	Male	-4.4	Khichuri-Halwa	9.23	17	-3.09	10.1	*Vibrio cholerae*	3.76
Bgma14	Male	-4.35	Khichuri-Halwa	9.13	29	-3.53	4.85	none detected	1.03
Bgma18	Female	-3.29	Khichuri-Halwa	17.9	18	-1.7	8.57	none detected	2.07
Bgma110	Male	-5.45	Khichuri-Halwa	15.57	13	-3.69	16.48	none detected	1.97
Bgma111	Male	-3.84	Khichuri-Halwa	15.07	16	-3.13	1.95	none detected	lost to follow-up
Bgma112	Female	-3.48	Khichuri-Halwa	19.77	9	-1.67	13.91	none detected	0.56
Bgma116	Female	-3.94	Khichuri-Halwa	12.73	8	-2.12	16.42	none detected	0.16
Bgma117	Male	-4.2	Khichuri-Halwa	na	2 (LAMA)	-4.16	3.78	none detected	lost to follow-up
Bgma119	Male	edema	Khichuri-Halwa	7.8	25	-0.09	7.06	*Aeromona hydrophila*	1.17
Bgma121	Male	-4.76	Khichuri-Halwa	8.83	22	-3.89	3.31	none detected	2.74
Bgma123	Male	-3.15	Khichuri-Halwa	9.97	6 (LAMA)	-3.1	4	not done	lost to follow-up
Bgma124	Male	-4.63	Khichuri-Halwa	8.43	14	-3.94	4.81	*Shigella sonnei*	0.46
Bgma128	Female	-3.56	Khichuri-Halwa	15.87	18	-2.26	8.89	*Shigella flexneri*	5.94
Bgma130	Female	-3.35	Khichuri-Halwa	9.2	13	-2.13	11.31	none detected	lost to follow-up
Bgma131	Male	-4.47	Khichuri-Halwa	13.9	13	-3	12.5	none detected	5.67
Bgma132	Male	-4.54	Khichuri-Halwa	19.9	15	-3.05	11.4	none detected	5.9
Bgma136	Male	-3.96	Khichuri-Halwa	15.37	27	-2.61	5.9	none detected	3.4
Bgma137	Male	-3.37	Khichuri-Halwa	13.13	26	3.01	2.6	none detected	5.43
Bgma139	Female	-5.59	Khichuri-Halwa	14.13	10	-4.93	15.9	*Salmonella enterica* group C1	9.1
Bgma140	Female	-4.21	Khichuri-Halwa	10.1	27	-3.76	3.3	not done	5.57
Bgma145	Male	-5.32	Khichuri-Halwa	8.6	26	-4.58	5.6	none detected	5.9
Bgma146	Female	-5.4	Khichuri-Halwa	18.5	15	-4.03	12.3	none detected	3.87
Bgma147	Female	-4.76	Khichuri-Halwa	12.33	10	-3.91	10.8	*Shigella flexneri*	5.9
Bgma150	Male	-3.79	Khichuri-Halwa	13.97	13	-2.23	12.9	not done	6.03
Bgma151	Male	-4.03	Khichuri-Halwa	14.93	10	-2.22	14.7	*Vibrio cholerae*	1.96
Bgma153	Male	-4.54	Khichuri-Halwa	14.53	11	-2.76	16.1	not done	lost to follow-up
Bgma155	Male	-5.58	Khichuri-Halwa	8.4	4 (LAMA)	-4.9	23.2	not done	lost to follow-up
Bgma156	Male	-3.35	Khichuri-Halwa	9	11	-1.87	13.5	not done	7.3
Bgma160	Male	edema	Khichuri-Halwa	8.97	15	-0.71	11.7	not done	5.9
Bgma163	Male	-3.02	Khichuri-Halwa	8.47	12	-1.59	14.74	not done	6

Child ID	Gender	WHZ at enrollment	Food Intervention Assignment	Age at beginning of intervention (months)	Duration of food intervention (days)[1]	WHZ at end of food intervention phase	Rate of weight gain (g/kg body weight/day)	Enteropathogens detected at enrollment	Months followed during post intervention period
Bgmal64	Female	-3.1	Khichuri-Halwa	11.17	8	-1.55	19.77	not done	4.5

[1] LAMA - left against medical advice

Table ED11

Metadata associated with individual fecal samples collected over the course of the SAM trial

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal1[1]	Bgmal1.s1	RUTF	Acute Phase - Pre Antibiotics	7	4.35	61	-4.47	-3.7	-5.23	rice, lentil, cow's milk	No		Yes	No	No	25,095	ACMAL_1 (runs 1 and 2)	TAGTCGTGCACAT
Bgmal1	Bgmal1.s2	RUTF	Acute Phase - Pre Antibiotics	7	4.35	61	-4.47	-3.7	-5.23	rice, lentil, cow's milk	No		Yes	No	No	22,968	ACMAL_1 (runs 1 and 2)	TACCATAGCTCCG
Bgmal1	Bgmal1.s3	RUTF	Acute Phase - First Antibiotic	7.37	4.05	61	-5.22	-3.92	-5.74	milk suji	No		No	No	No	22,051	ACMAL_1 (runs 1 and 2)	CGATGTTCGCTAG
Bgmal1	Bgmal1.s4.RUTF	RUTF	RUTF	7.43	4.08	61	-5.15	-3.96	-5.72	RUTF	No		No	No	No	10,633	ACMAL_1 (runs 1 and 2)	CGCTCGAAGATTC
Bgmal1	Bgmal1.s5.RUTF	RUTF	RUTF	7.5	4.13	61	-5.02	-4	-5.66	RUTF	No		No	No	Yes	13,308	ACMAL_1 (runs 1 and 2)	GTAGGCATGCTTG
Bgmal1	Bgmal1.s7.RUTF	RUTF	RUTF	7.63	4.07	61.6	-5.43	-3.8	-5.78	RUTF	Yes	Azithromycin syrup	Yes	No	No	10,485	ACMAL_1 (runs 1 and 2)	GATCACCAGGTGT
Bgmal1	Bgmal1.s8.RUTF	RUTF	RUTF	7.7	3.96	61.6	-5.71	-3.84	-5.95	RUTF	Yes	Azithromycin syrup	No	No	No	11,310	ACMAL_1 (runs 1 and 2)	CGAATACCAAGTC
Bgmal1	Bgmal1.s9.RUTF	RUTF	RUTF	7.77	4.1	61.6	-5.36	-3.88	-5.77	RUTF	Yes	Azithromycin syrup	No	Yes	No	14,004	ACMAL_1 (runs 1 and 2)	AGTATCTGCGCGT
Bgmal1	Bgmal1.s10.RUTF	RUTF	RUTF - Last Antibiotic	8.27	4.32	63	-5.4	-3.53	-5.57	RUTF	Yes	Cefixime syrup	No	No	Yes	8,823	ACMAL_1 (runs 1 and 2)	CTCGACATCTCTT
Bgmal1	Bgmal1.s11	RUTF	Post intervention follow-up (months) < 1	8.83	not taken	not taken	na	na	na	powdered milk	Yes	Ceftazidime injection	No	Yes	No	6,976	ACMAL_1 (runs 1 and 2)	TCCAATACGCCTG
Bgmal1	Bgmal1.s12	RUTF	Post intervention follow-up (months) 1 to 2	9.27	5.41	63.2	-2.94	-3.98	-4.33	milk, leafy vegetable, dal	No		No	No	No	23,297	ACMAL_1 (runs 1 and 2)	CAGTTACGAGCTA
Bgmal1	Bgmal1.s13	RUTF	Post intervention follow-up (months) 1 to 2	9.43	5.74	63.4	-2.26	-3.97	-3.93	powdered milk	No		No	Yes	No	33,614	ACMAL_1 (runs 1 and 2)	TAAGGCGCTCCTT
Bgmal1	Bgmal1.s14	RUTF	Post intervention follow-up (months) 2 to 3	10.3	6	64	-1.97	-4.13	-3.78	powdered milk	No		No	No	No	21,826	ACMAL_1 (runs 1 and 2)	CTGTCGCAAATAG
Bgmal1	Bgmal1.s15	RUTF	Post intervention follow-up (months) 2 to 3	10.73	6.51	65.5	-1.57	-3.69	-3.22	Halwa	No		No	No	No	33,128	ACMAL_1 (runs 1 and 2)	TGTGTTGTCGTGC
Bgmal1	Bgmal1.s16	RUTF	Post intervention	11.8	6.73	66.3	-1.47	-3.82	-3.17	Halwa	No		No	No	No	31,511	ACMAL_1 (runs 1 and 2)	ACGCTGTGGATTA

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgma11	Bgma11.s17	RUTF	follow-up (months) 3 to 4 follow-up (months) 3 to 4	12.77	6.2	66.3	-2.52	-4.21	-4	Halwa	Yes	Amoxicillin syrup	No	Yes	Yes	22,182	ACMAL_1 (runs 1 and 2)	CGATTATCGACGA
Bgma11	Bgma11.s18	RUTF	Post intervention follow-up (months) > 4	13.8	5.89	66.3	-3.19	-4.6	-4.53	Halwa	Yes	Azithromycin synup	No	No	Yes	16,103	ACMAL_1 (runs 1 and 2)	CACCTTACACCTT
Bgma11[0]	Bgma11.0.s1	Khichuri-Halwa	Post intervention follow-up (months) > 4	15.17	4.46	64	-5.45	-5.97	-6.36	Breast milk, rice, potato, lentil, milk	No		Yes	Yes	Yes	20,928	ACMAL_1 (runs 1 and 2)	TACCCAAGCGTTA
Bgma10	Bgma10.s3	Khichuri-Halwa	Acute Phase - Pre Antibiotics	15.43	4.46	64	-5.45	-6.05	-6.39	milk suji, Breast milk	Yes	Azithromycin synup	No	No	Yes	23,831	ACMAL_1 (runs 1 and 2)	ATGAACCCTATGG
Bgma10	Bgma10.s4.khich	Khichuri-Halwa	Acute Phase - First Antibiotic	15.57	4.53	64	-5.29	-6.09	-6.32	Khichuri-Halwa, milk suji, Breast milk	Yes	Azithromycin synup	No	No	Yes	18,550	ACMAL_1 (runs 1 and 2)	TGTTATCGCATGG
Bgma10	Bgma10.s5.khich	Khichuri-Halwa	Khichuri-Halwa	15.63	4.7	64	-4.91	-6.11	-6.14	Khichuri-Halwa, milk suji 100, Breast milk	No		No	No	No	25,485	ACMAL_1 (runs 1 and 2)	ATCTGCACTGAGC
Bgma10	Bgma10.s6.khich	Khichuri-Halwa	Khichuri-Halwa	15.7	4.75	64	-4.79	-6.12	-6.09	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Ciprofloxacin synup	No	Yes	No	22,302	ACMAL_1 (runs 1 and 2)	AGCCTAGCCCAAT
Bgma10	Bgma10.s7.khich	Khichuri-Halwa	Khichuri-Halwa	15.77	4.98	64	-4.27	-6.14	-5.83	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Ciprofloxacin synup	No	Yes	No	26,216	ACMAL_1 (runs 1 and 2)	TAGCTGTCAAGCT
Bgma10	Bgma10.s8.khich	Khichuri-Halwa	Khichuri-Halwa	15.83	5.22	64	-3.73	-6.16	-5.57	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Ciprofloxacin synup	No	No	No	17,248	ACMAL_1 (runs 1 and 2)	CATGTGTGTAGAC
Bgma10	Bgma10.s9.khich	Khichuri-Halwa	Khichuri-Halwa - Last Antibiotic	15.9	5.39	64	-3.35	-6.18	-5.38	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	16,982	ACMAL_1 (runs 1 and 2)	CAGCAACATTGCA
Bgma10	Bgma10.s10	Khichuri-Halwa	Post intervention follow-up (months) < 1	16.43	5.91	65	-2.61	-5.94	-4.86	Halwa, milk, rice, potato, biscuit, Breast milk	No		No	No	No	10,039	ACMAL_1 (runs 1 and 2)	CACAACACTCCGA
Bgma10	Bgma10.s11	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	16.9	6.39	65.8	-1.93	-5.76	-4.38	Halwa, Khichuri, milk, juice, biscuit, Breast milk	Yes	Amoxicillin syrup	No	No	Yes	17,518	ACMAL_1 (runs 1 and 2)	CGTAAATTCAGGC
Bgma10	Bgma10.s12	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	17.37	6.57	67	-2.05	-5.43	-4.24	Halwa, rice, meat, potato, banana, milk, Breast milk	No		No	No	No	17,437	ACMAL_1 (runs 1 and 2)	CTATCTATCCTGC
Bgma10	Bgma10.s13	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	17.87	6.32	68	-2.94	-5.18	-4.58	Khichuri, Breast milk, banana	No		No	No	No	15,864	ACMAL_1 (runs 1 and 2)	CGGCAACAACCAT
Bgma11[1]	Bgma11.s1	Khichuri-Halwa	Acute Phase - Pre Antibiotics	14.8	6.78	74	-3.93	-1.87	-3.64	Breast milk, suji, cerelac, rice, milk, lentil	No		No	No	Yes	24,883	ACMAL_1 (runs 1 and 2)	ATGGGTCCCACAT

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal11	Bgmal11.s3	Khichuri-Halwa	Acute Phase - First Antibiotic	15	6.83	74	-3.84	-1.95	-3.61	milk suji, Breast milk	No		No	No	No	21,894	ACMAL_1 (runs 1 and 2)	CACGATTCGAGTC
Bgmal11	Bgmal11.s4.khich	Khichuri-Halwa	Khichuri-Halwa	15.07	6.83	74	-3.84	-1.98	-3.62	Khichuri-Halwa, Breast milk, milk suji	Yes	Levofloxacin syrup	Yes	No	Yes	20,542	ACMAL_1 (runs 1 and 2)	CGATGTATGTGGT
Bgmal11	Bgmal11.s5.khich	Khichuri-Halwa	Khichuri-Halwa	15.13	7	74	-3.56	-2	-3.44	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Levofloxacin syrup	No	No	Yes	19,400	ACMAL_1 (runs 1 and 2)	CGAGAGCAACAGA
Bgmal11	Bgmal11.s6.khich	Khichuri-Halwa	Khichuri-Halwa	15.2	7.02	74.5	-3.65	-1.83	-3.43	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Levofloxacin syrup	No	No	Yes	18,534	ACMAL_1 (runs 1 and 2)	ACCTGCGAAGTAT
Bgmal11	Bgmal11.s7.khich	Khichuri-Halwa	Khichuri-Halwa	15.27	6.92	74.5	-3.82	-1.85	-3.55	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	20,747	ACMAL_1 (runs 1 and 2)	CGATGTGGTGTTA
Bgmal11	Bgmal11.s8.khich	Khichuri-Halwa	Khichuri-Halwa	15.33	6.97	74.5	-3.73	-1.88	-3.51	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Azithromycin syrup	Yes	No	Yes	24,782	ACMAL_1 (runs 1 and 2)	ACGATGCTGTTGA
Bgmal11	Bgmal11.s9.khich	Khichuri-Halwa	Khichuri-Halwa - Last Antibiotic	15.37	6.82	74.5	-3.99	-1.89	-3.68	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Azithromycin syrup	No	No	Yes	26,701	ACMAL_1 (runs 1 and 2)	TAGTGTTTCGGAC
Bgmal12	Bgmal12.s3	Khichuri-Halwa	Acute Phase	19.7	7.55	77.4	-2.79	-1.59	-2.82	milk suji, Breast milk	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	25,996	ACMAL_1 (runs 1 and 2)	AGGTTCGGTCCAT
Bgmal12	Bgmal12.s4.khich	Khichuri-Halwa	Khichuri-Halwa	19.77	7.77	77.4	-2.44	-1.61	-2.58	Khichuri-Halwa, Breast milk, milk suji	No		No	No	No	16,957	ACMAL_1 (runs 1 and 2)	CACTCCTTGTGTT
Bgmal12	Bgmal12.s5.khich	Khichuri-Halwa	Khichuri-Halwa	19.83	8.05	78	-2.16	-1.43	-2.28	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	20,299	ACMAL_1 (runs 1 and 2)	ATACTCGGGAACT
Bgmal12	Bgmal12.s6.khich	Khichuri-Halwa	Khichuri-Halwa	19.9	8.27	78	-1.84	-1.45	-2.06	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	22,749	ACMAL_1 (runs 1 and 2)	GTTCTCTCGACAT
Bgmal12	Bgmal12.s7.khich	Khichuri-Halwa	Khichuri-Halwa	19.97	8.39	78	-1.67	-1.47	-1.94	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	17,649	ACMAL_1 (runs 1 and 2)	GCAGAAATGTGTC
Bgmal12	Bgmal12.s10	Khichuri-Halwa	Post intervention follow-up (months) < 1	20.53	8.22	78	-1.91	-1.63	-2.22	Breast milk, milk, juice, Khichuri, Halwa	Yes	Cefradine syrup	No	No	Yes	17,320	ACMAL_1 (runs 1 and 2)	GAACGTAGGCTCT
Bgmal13[1]	Bgmal13.s1	RUTF	Acute Phase - Pre Antibiotics	6.5	4.55	61	-3.41	-2.35	-3.98	milk suji, rice, potato, pumkin	No		No	No	No	30,083	ACMAL_1 (runs 1 and 2)	GCTGATCCATCTT
Bgmal13	Bgmal13.s2	RUTF	Acute Phase - Pre Antibiotics	6.5	4.55	61	-3.41	-2.35	-3.98	milk suji, rice, potato, pumkin	No		No	No	No	21,689	ACMAL_1 (runs 1 and 2)	CGTCACGGACATT
Bgmal13	Bgmal13.s3	RUTF	Acute Phase - First Antibiotic	6.6	4.51	61	-3.51	-2.41	-4.08	milk suji	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	23,779	ACMAL_1 (runs 1 and 2)	ACGTGCTTAGGCT
Bgmal13	Bgmal13.s4.RUTF	RUTF	RUTF	6.67	4.36	61	-3.87	-2.46	-4.33	RUTF	Yes	Azithromycin syrup, Gentamicin injection	Yes	No	No	17,933	ACMAL_1 (runs 1 and 2)	AGCTCTCCGTAGA

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal13	Bgmal13.s5.RUTF	RUTF	RUTF - Last Antibiotic	6.73	4.38	61	-3.82	-2.5	-4.32	RUTF, milk suji	No		No	No	No	29,579	ACMAL_1 (runs 1 and 2)	TGTAGAGGTAGAG
Bgmal13	Bgmal13.s6	RUTF	Post intervention follow-up (months) < 1	6.8	4.47	61	-3.61	-2.54	-4.2	milk suji, Breast milk	No		No	No	No	26,321	ACMAL_1 (runs 1 and 2)	GACGCGAACTAAT
Bgmal14	Bgmal14.s3	RUTF	Acute Phase	14.13	5.54	67	-4.17	-4.44	-4.99	milk suji, Breast milk	Yes	Ciprofloxacin syrup	No	No	No	24,486	ACMAL_1 (runs 1 and 2)	GTGGCAAATCTAG
Bgmal14	Bgmal14.s4.RUTF	RUTF	RUTF	14.2	5.59	67	-4.07	-4.46	-4.94	RUTF, Breast milk	No		No	No	No	17,589	ACMAL_1 (runs 1 and 2)	CAGTTGTAGTCCG
Bgmal14	Bgmal14.s5.RUTF	RUTF	RUTF	14.27	5.71	67	-3.82	-4.48	-4.81	RUTF, Breast milk	No		No	No	No	31,109	ACMAL_1 (runs 1 and 2)	ATATGTGCCGGCT
Bgmal14	Bgmal14.s6.RUTF	RUTF	RUTF	14.33	5.75	67	-3.74	-4.51	-4.77	RUTF, Breast milk	No		No	No	No	27,052	ACMAL_1 (runs 1 and 2)	TGCGAGCGAAGTA
Bgmal14	Bgmal14.s7.RUTF	RUTF	RUTF	14.4	5.85	67	-3.53	-4.53	-4.66	RUTF, Breast milk	Yes	Ceftazidime, Amikacin injections	No	Yes	Yes	22,493	ACMAL_1 (runs 1 and 2)	GTACCGAAGGTAT
Bgmal14	Bgmal14.s8.RUTF	RUTF	RUTF	14.47	5.87	67	-3.49	-4.55	-4.65	Breast milk, plumpy nut, milk suji	Yes	Ceftazidime, Amikacin injections	No	Yes	Yes	17,180	ACMAL_1 (runs 1 and 2)	TGTTAAGCTGACC
Bgmal14	Bgmal14.s9.RUTF	RUTF	RUTF	14.57	6.09	67	-3.04	-4.59	-4.41	RUTF, Breast milk	Yes	Ceftazidime, Amikacin injections	No	No	Yes	24,183	ACMAL_1 (runs 1 and 2)	ACGTGATCCGCTA
Bgmal15	Bgmal15.s3	RUTF	Acute Phase	17.3	5.61	67	-4.03	-5.41	-5.29	milk suji, Breast milk	No		No	No	No	21,073	ACMAL_1 (runs 1 and 2)	CAGCTATGTATGG
Bgmal15	Bgmal15.s4.RUTF	RUTF	RUTF	17.37	5.88	67	-3.47	-5.43	-5	RUTF, Breast milk	Yes	Ciprofloxacin syrup	Yes	No	No	16,774	ACMAL_1 (runs 1 and 2)	GCACCTTACCTTA
Bgmal15	Bgmal15.s5.RUTF	RUTF	RUTF	17.43	6.09	67	-3.04	-5.45	-4.78	RUTF, Breast milk	Yes	Ciprofloxacin syrup	Yes	No	No	15,697	ACMAL_1 (runs 1 and 2)	GTAATCGGTGCCA
Bgmal15	Bgmal15.s6.RUTF	RUTF	RUTF	17.5	6.28	67	-2.64	-5.46	-4.58	RUTF, Breast milk	Yes	Ciprofloxacin syrup	No	No	No	24,498	ACMAL_1 (runs 1 and 2)	ATGGTCGCATCGT
Bgmal15	Bgmal15.s7.RUTF	RUTF	RUTF	17.57	6.5	67	-2.19	-5.48	-4.35	RUTF, Breast milk	No		No	No	No	20,168	ACMAL_1 (runs 1 and 2)	GATCTACCGAAGC
Bgmal15	Bgmal15.s8	RUTF	Post intervention follow-up (months) < 1	17.63	6.67	67	-2.04	-5.5	-4.17	Khichuri, Halwa, milk suji, Breast milk	Yes	Azithromycin syrup	No	No	Yes	17,910	ACMAL_1 (runs 1 and 2)	GCACTCATCATTC
Bgmal15	Bgmal15.s9	RUTF	Post intervention follow-up (months) < 1	17.7	6.77	68	-2.04	-5.14	-4.07	Khichuri, Halwa, milk suji, breast milk	Yes	Azithromycin syrup	No	No	Yes	16,391	ACMAL_1 (runs 1 and 2)	TATGCCATGCCGT

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal15	Bgmal15.s10	RUTF	Post intervention follow-up (months) < 1	18.2	6.64	68.3	-2.4	-5.16	-4.27	Breast milk	Yes	Ciprofloxacin syrup	Yes	Yes	No	17,588	ACMAL_1 (runs 1 and 2)	CGCATAGCATCAA
Bgmal15	Bgmal15.s11	RUTF	Post intervention follow-up (months) 1 to 2	18.67	6.81	69	-2.33	-5.02	-4.15	Breast milk, rice, dal, potato, fish, biscuit	No		No	No	No	9,188	ACMAL_1 (runs 1 and 2)	TCGTACTCTCGAG
Bgmal15	Bgmal15.s12	RUTF	Post intervention follow-up (months) 1 to 2	19.17	7.03	70	-2.27	-4.78	-3.98	Breast milk, rice, dal, potato, banana, biscuit	No		No	No	No	23,362	ACMAL_1 (runs 1 and 2)	ACAACGTGCTCCA
Bgmal15	Bgmal15.s13	RUTF	Post intervention follow-up (months) 1 to 2	19.57	6.9	70.9	-2.82	-4.55	-4.16	Breast milk, milk, rice, carrot	No		No	No	No	21,568	ACMAL_1 (runs 1 and 2)	CAGCGTAATTAGC
Bgmal16	Bgmal16.s3	Khichuri-Halwa	Acute Phase	12.67	5.33	67	-3.94	-2.92	-4.32	milk suji, Breast milk	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	17,089	ACMAL_1 (runs 1 and 2)	CGGTTATTTGGCG
Bgmal16	Bgmal16.s4.khich	Khichuri-Halwa	Khichuri-Halwa	12.73	5.56	67	-3.49	-2.95	-4.03	Khichuri-Halwa, Breast milk, milk suji	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	21,419	ACMAL_1 (runs 1 and 2)	TACGGGTCATCAT
Bgmal16	Bgmal16.s5.khich	Khichuri-Halwa	Khichuri-Halwa	12.8	5.85	67	-2.91	-2.98	-3.67	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Cefixime syrup	No	Yes	Yes	18,885	ACMAL_1 (runs 1 and 2)	CTTAACCTTCCTG
Bgmal16	Bgmal16.s6.khich	Khichuri-Halwa	Khichuri-Halwa	12.87	6.21	67	-2.2	-3	-3.22	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Cefixime syrup	No	No	Yes	29,590	ACMAL_1 (runs 1 and 2)	ATTGATCCGGTAG
Bgmal16	Bgmal16.s7	Khichuri-Halwa	Post intervention follow-up (months) < 1	12.93	6.05	67	-2.51	-3.03	-3.44	Breast milk, milk suji 100, Khichuri	Yes	Cefixime syrup	No	No	Yes	31,083	ACMAL_1 (runs 1 and 2)	GTGTAAGACTTGG
Bgmal16	Bgmal16.s8	Khichuri-Halwa	Post intervention follow-up (months) < 1	13.03	6.1	67	-2.41	-3.07	-3.39	Breast milk, milk suji 100, Khichuri	No		No	No	No	26,954	ACMAL_1 (runs 1 and 2)	GACTTGGTGTAAG
Bgmal17	Bgmal17.s3	Khichuri-Halwa	Acute Phase	12.13	5.29	65.6	-4.2	-4.25	-5	milk suji, Breast milk	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	19,704	ACMAL_1 (runs 1 and 2)	TGACATTGTCACG
Bgmal18	Bgmal18.s3	RUTF	Acute Phase	14.9	5.95	71	-4.6	-3.11	-4.62	milk suji, Breast milk	Yes	Ampicillin, Gentamicin injections	No	No	Yes	16,999	ACMAL_1 (runs 1 and 2)	CGGATCGTAATAC
Bgmal18	Bgmal18.s4.RUTF	RUTF	RUTF	14.97	6.09	71	-4.34	-3.13	-4.46	RUTF, Breast milk	Yes	Ampicillin, Gentamicin injections	No	No	No	17,041	ACMAL_1 (runs 1 and 2)	AGAAACATCCCAC
Bgmal18	Bgmal18.s5.RUTF	RUTF	RUTF	15.03	6.07	71	-4.38	-3.15	-4.5	RUTF, Breast milk	Yes	Ciprofloxacin, Cefixime syrups	Yes	No	Yes	16,288	ACMAL_1 (runs 1 and 2)	ATGCCGTATGCCA
Bgmal18	Bgmal18.s6.RUTF	RUTF	RUTF	15.1	6.04	71	-4.44	-3.18	-4.54	RUTF, Breast milk	Yes	Ciprofloxacin, Cefixime syrups	Yes	No	Yes	21,516	ACMAL_1 (runs 1 and 2)	GCGTGACAATAGT
Bgmal18	Bgmal18.s8.RUTF	RUTF	RUTF	15.23	6.15	71.2	-4.29	-3.15	-4.43	RUTF, Breast milk	Yes	Ciprofloxacin syrup	No	No	No	22,860	ACMAL_1 (runs 1 and 2)	CGTCGAATTTGCG

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal18	Bgmal18.s9.RUTF	RUTF	RUTF	15.3	6.19	71.2	-4.22	-3.17	-4.39	RUTF, Breast milk	Yes	Levofloxacin syrup	No	No	Yes	20,796	ACMAL_1 (runs 1 and 2)	ATCACCTCCTTGT
Bgmal18	Bgmal18.s11	RUTF	Post intervention follow-up (months) < 1	16.4	6.6	71.4	-3.53	-3.46	-4.08	Breast milk, cow's milk, Khichuri	No		No	No	No	18,469	ACMAL_1 (runs 1 and 2)	ATATCACCGGCAC
Bgmal19	Bgmal19.s3	Khichuri-Halwa	Acute Phase	7.73	5.2	57.6	na	na	na	milk suji	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	26,139	ACMAL_1 (runs 1 and 2)	ATTGCCAAGAGTC
Bgmal19	Bgmal19.s4.khich	Khichuri-Halwa	Khichuri-Halwa	7.8	5.21	57.6	na	na	na	Khichuri-Halwa, milk suji	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	18,756	ACMAL_1 (runs 1 and 2)	CATCAGTACTAGG
Bgmal19	Bgmal19.s5.khich	Khichuri-Halwa	Khichuri-Halwa	7.87	5.1	57.6	-0.46	-5.76	-4.41	Khichuri-Halwa, milk suzi 100	No		No	No	No	24,110	ACMAL_1 (runs 1 and 2)	CGTGTTAGATGTG
Bgmal19	Bgmal19.s6.khich	Khichuri-Halwa	Khichuri-Halwa	7.9	5.19	57.6	-0.25	-5.78	-4.3	Khichuri-Halwa, milk suzi 100	No		No	No	No	19,583	ACMAL_1 (runs 1 and 2)	CTCAGTTCTCGTT
Bgmal19	Bgmal19.s7.khich	Khichuri-Halwa	Khichuri-Halwa	8	5.18	58	-0.54	-5.65	-4.34	Khichuri-Halwa, milk suzi 100	No		No	No	No	24,050	ACMAL_1 (runs 1 and 2)	ACGCTACAACTCG
Bgmal19	Bgmal19.s8.khich	Khichuri-Halwa	Khichuri-Halwa	8.07	5.11	58	-0.7	-5.69	-4.45	Khichuri-Halwa, milk suzi 100	Yes	Ceftazidime injection	No	Yes	Yes	21,619	ACMAL_1 (runs 1 and 2)	CGTGCAACCAATC
Bgmal19	Bgmal19.s9.khich	Khichuri-Halwa	Khichuri-Halwa	8.13	5.21	58	-0.47	-5.72	-4.33	Khichuri-Halwa, milk suzi 100	Yes	Ceftazidime, Flucloxacillin injections	No	Yes	Yes	26,263	ACMAL_1 (runs 1 and 2)	ACGATCTTCGAGC
Bgmal19	Bgmal19.s10.khich	Khichuri-Halwa	Khichuri-Halwa	8.5	5.45	58.2	-0.06	-5.82	-4.1	Khichuri-Halwa, milk suzi 100	No		No	No	No	26,930	ACMAL_1 (runs 1 and 2)	CGCATCAGAGTTA
Bgmal19	Bgmal19.s11	Khichuri-Halwa	Post intervention follow-up (months) < 1	9.1	5.3	59	-0.9	-5.77	-4.44	Breast milk, Khichuri, Halwa, powdered milk	Yes	Amoxicillin syrup	No	No	Yes	23,642	ACMAL_1 (runs 1 and 2)	GCCAGATATAGCA
Bgmal19	Bgmal19.s12	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	9.67	5.65	60.8	-1.16	-5.24	-4.1	Breast milk, powdered milk, Khichuri, Halwa	Yes	Azithromycin syrup	No	No	Yes	18,682	ACMAL_2 (runs 1 and 2)	CGGTGACTAGTTC
Bgmal2[1]	Bgmal2.s1	Khichuri-Halwa	Acute Phase - Pre Antibiotics	11.93	4.72	65	-4.55	-3.4	-4.98	suji, powdered milk, breast milk	No		Yes	Yes	Yes	18,278	ACMAL_1 (runs 1 and 2)	GCTATCTCCTGTC
Bgmal2	Bgmal2.s3	Khichuri-Halwa	Acute Phase - First Antibiotic	12.07	4.88	65	-4.21	-3.46	-4.8	milk suji, breast milk	Yes	Amoxicillin syrup	No	No	No	14,191	ACMAL_1 (runs 1 and 2)	CAGGCTTACGTGT
Bgmal2	Bgmal2.s4.khich	Khichuri-Halwa	Khichuri-Halwa	12.13	4.62	65	-4.76	-3.48	-5.15	Khichuri-Halwa, milk suji	Yes	Amoxicillin syrup	No	No	No	18,443	ACMAL_1 (runs 1 and 2)	CAACTAGTTCAGG
Bgmal2	Bgmal2.s5.khich	Khichuri-Halwa	Khichuri-Halwa	12.2	4.69	65	-4.61	-3.51	-5.07	Khichuri-Halwa, milk suji 100	Yes	Amoxicillin syrup	No	No	No	26,626	ACMAL_1 (runs 1 and 2)	AGGACTTCCAGCT
Bgmal2	Bgmal2.s6.khich	Khichuri-Halwa	Khichuri-Halwa	12.27	4.65	65	-4.69	-3.54	-5.13	Khichuri-Halwa, milk suji 100	No		No	No	No	25,235	ACMAL_1 (runs 1 and 2)	GTGGTCAACGATA

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal2	Bgmal2.s7.khich	Khichuri-Halwa	Khichuri-Halwa	12.33	4.78	65.3	-4.52	-3.45	-4.97	Khichuri-Halwa, milk suji 100	No		No	No	No	25,918	ACMAL_1 (runs 1 and 2)	CGTAGATCGTGTA
Bgmal2	Bgmal2.s8.khich	Khichuri-Halwa	Khichuri-Halwa	12.4	5	65.3	-4.06	-3.47	-4.7	Khichuri-Halwa, breast milk milk suji 100	No		No	No	No	27,124	ACMAL_1 (runs 1 and 2)	TCGAGGGAAAGTC
Bgmal2	Bgmal2.s9.khich	Khichuri-Halwa	Khichuri-Halwa - Last Antibiotic	12.47	5.05	65.3	-3.96	-3.5	-4.64	Khichuri-Halwa, milk suji 100, breast milk	Yes	Ceftriaxone injection	No	No	Yes	23,177	ACMAL_1 (runs 1 and 2)	CGAACACTTTGGA
Bgmal20	Bgmal20.s3	RUTF	Acute Phase	10.6	5.55	66.6	-3.38	-2.19	-3.63	milk suji	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	26,685	ACMAL_1 (runs 1 and 2)	AGACTTCATGCGA
Bgmal20	Bgmal20.s4.RUTF	RUTF	RUTF	10.67	5.47	66.6	-3.54	-2.22	-3.76	RUTF	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	18,725	ACMAL_1 (runs 1 and 2)	GATTTAGGACGAC
Bgmal20	Bgmal20.s6.RUTF	RUTF	RUTF	10.8	5.57	66.6	-3.34	-2.29	-3.65	RUTF	No		No	No	No	25,349	ACMAL_1 (runs 1 and 2)	AGCCGTAAACTTG
Bgmal20	Bgmal20.s7	RUTF	RUTF	10.87	5.69	66.6	-3.1	-2.32	-3.5	RUTF	No		No	No	No	20,764	ACMAL_1 (runs 1 and 2)	TACTCTAGCCGGT
Bgmal21	Bgmal21.s3	Khichuri-Halwa	Acute Phase	8.77	4.63	63.2	-4.76	-3.72	-5.26	milk suji	No		No	No	No	32,589	ACMAL_1 (runs 1 and 2)	GATTAAGCCTGGA
Bgmal21	Bgmal21.s4.khich	Khichuri-Halwa	Khichuri-Halwa	8.83	4.61	63.2	-4.8	-3.75	-5.3	Khichuri-Halwa, milk suji	No		No	No	No	34,982	ACMAL_1 (runs 1 and 2)	AGACTACCCGTTG
Bgmal21	Bgmal21.s5.khich	Khichuri-Halwa	Khichuri-Halwa	8.9	4.68	63.2	-4.64	-3.79	-5.22	Khichuri-Halwa, milk suji 100	Yes	Azithromycin syrup	Yes	No	No	28,010	ACMAL_1 (runs 1 and 2)	TGTGGTCATCGTA
Bgmal21	Bgmal21.s6.khich	Khichuri-Halwa	Khichuri-Halwa	8.97	4.71	63.2	-4.57	-3.82	-5.19	Khichuri-Halwa, milk suji 100	Yes	Azithromycin syrup	No	No	No	21,902	ACMAL_1 (runs 1 and 2)	TGCCTGTCTGCAA
Bgmal21	Bgmal21.s7.khich	Khichuri-Halwa	Khichuri-Halwa	9.03	4.78	63.2	-4.41	-3.86	-5.11	Khichuri-Halwa, milk suji 100	Yes	Ciprofloxacin syrup	Yes	No	No	20,000	ACMAL_1 (runs 1 and 2)	AGGATAGCCAAGG
Bgmal21	Bgmal21.s9.khich	Khichuri-Halwa	Post intervention follow-up (months) < 1	9.17	4.69	63.3	-4.66	-3.88	-5.26	milk suji	Yes	Cefixime syrup	No	Yes	Yes	24,967	ACMAL_1 (runs 1 and 2)	TGCAGATTTCCAG
Bgmal21	Bgmal21.s10.khich	Khichuri-Halwa	Post intervention follow-up (months) < 1	9.5	4.93	63.4	-4.14	-4.01	-5.01	Khichuri-Halwa	No		No	No	No	31,790	ACMAL_1 (runs 1 and 2)	TATGGGCGAATGG
Bgmal21	Bgmal21.s13	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	11	5.17	64.2	-3.93	-4.37	-4.97	rice, potato, egg	Yes	Azithromycin syrup	Yes	No	No	24,586	ACMAL_1 (runs 1 and 2)	AGATGCTGCCGTT
Bgmal21	Bgmal21.s14	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	11.77	5.52	65	-3.47	-4.36	-4.66	rice, fish, potato, jackfruit, banana	No		No	No	No	14,518	ACMAL_2 (runs 1 and 2)	ATCTCTACCACTC

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal22	Bgmal22.s3	RUTF	Acute Phase	9.2	5.67	65.5	-3.35	-2.92	-3.97	milk suji	Yes	Amoxicillin syrup, Gentamicin injection	Yes	No	No	23,802	ACMAL_1 (runs 1 and 2)	TCGATAGGCCTTA
Bgmal22	Bgmal22.s4.RUTF	RUTF	RUTF	9.27	5.7	65.5	-3.28	-2.96	-3.95	RUTF	Yes	Amoxicillin syrup, Gentamicin injection	Yes	No	No	16,713	ACMAL_1 (runs 1 and 2)	CTGGCTTTCTATC
Bgmal22	Bgmal22.s5.RUTF	RUTF	RUTF	9.33	5.74	65.5	-3.19	-2.99	-3.91	RUTF	Yes	Levofloxacin syrup	Yes	No	No	13,318	ACMAL_1 (runs 1 and 2)	CGCGTTGCAAACT
Bgmal22	Bgmal22.s6.RUTF	RUTF	RUTF	9.4	5.74	65.5	-3.19	-3.03	-3.92	RUTF	Yes	Levofloxacin syrup	Yes	No	No	15,788	ACMAL_1 (runs 1 and 2)	ACTGAAGGGCGAA
Bgmal22	Bgmal22.s8	RUTF	Post intervention follow-up (months) < 1	9.53	5.92	66	-3.01	-2.87	-3.72	powdered milk	No		No	No	No	19,978	ACMAL_1 (runs 1 and 2)	CTGGTTGGTTACG
Bgmal22	Bgmal22.s9	RUTF	Post intervention follow-up (months) < 1	9.6	5.9	66	-3.05	-2.91	-3.76	milk, rice, potato, dal, egg	No		No	No	No	21,088	ACMAL_1 (runs 1 and 2)	CGTGTTCCCAGAA
Bgmal22	Bgmal22.s10	RUTF	Post intervention follow-up (months) < 1	10	6.01	67.2	-3.28	-2.59	-3.7	milk, meat	No		No	No	No	35,906	ACMAL_1 (runs 1 and 2)	TCGAGCTGTTACC
Bgmal22	Bgmal22.s11	RUTF	Post intervention follow-up (months) 1 to 2	10.57	6.11	67.3	-3.11	-2.83	-3.7	powdered milk, rice, dal	No		No	No	No	19,941	ACMAL_1 (runs 1 and 2)	CAACTTTCAGGAG
Bgmal22	Bgmal22.s12	RUTF	Post intervention follow-up (months) 1 to 2	11.07	6.42	68	-2.73	-2.76	-3.41	powdered milk, rice	No		No	No	No	17,903	ACMAL_1 (runs 1 and 2)	AGCCGTCTCGTAA
Bgmal22	Bgmal22.s16	RUTF	Post intervention follow-up (months) > 4	13.43	6.75	70	-2.8	-2.95	-3.45	powdered milk,	No		No	No	No	16,961	ACMAL_2 (runs 1 and 2)	CTATCTATCCTGC
Bgmal22	Bgmal22.s17	RUTF	Post intervention follow-up (months) > 4	14.47	6.85	70.5	-2.78	-3.15	-3.51	milk, rice, dal, potato	No		No	No	No	15,490	ACMAL_2 (runs 1 and 2)	CGCATAGCATCAA
Bgmal22	Bgmal22.s18	RUTF	Post intervention follow-up (months) > 4	15.57	8.1	73	-1.42	-2.56	-2.24	Khichuri	No		No	No	No	16,734	ACMAL_2 (runs 1 and 2)	TGTCGCCGTACAT
Bgmal23	Bgmal23.s3	Khichuri-Halwa	Acute Phase	9.9	4.43	59	-3.15	-6.14	-5.73	milk suji, Breast milk	Yes	Ampicillin, Gentamicin injections	No	No	No	16,303	ACMAL_1 (runs 1 and 2)	GAGATGATCAGTC
Bgmal23	Bgmal23.s4.khich	Khichuri-Halwa	Khichuri-Halwa	9.97	4.4	59	-3.23	-6.17	-5.78	Khichuri-Halwa, Breast milk, mik suzi	Yes	Amoxicillin syrup	No	No	No	19,149	ACMAL_1 (runs 1 and 2)	CAATGACCTCGTG
Bgmal23	Bgmal23.s5.khich	Khichuri-Halwa	Khichuri-Halwa	10.03	4.41	59	-3.21	-6.2	-5.78	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Amoxicillin syrup	No	No	No	22,736	ACMAL_1 (runs 1 and 2)	GACAGCTCAAACA

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal24	Bgmal24.s3	Khichuri-Halwa	Acute Phase	8.37	5.27	66.7	-4.63	-1.92	-4.31	milk suji, Breast milk	Yes	Ceftriaxone injection	No	Yes	No	24,904	ACMAL_1 (runs 1 and 2)	TCGCTCACAGAAT
Bgmal24	Bgmal24.s4.khich	Khichuri-Halwa	Khichuri-Halwa	8.43	5.46	66.7	-4.23	-1.95	-4.07	Khichuri-Halwa, Breast milk, milk suji	No		No	No	No	19,936	ACMAL_1 (runs 1 and 2)	ATTCGATGCCGCA
Bgmal24	Bgmal24.s5.khich	Khichuri-Halwa	Khichuri-Halwa	8.5	5.5	66.7	-4.15	-1.99	-4.03	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Levofloxacin syrup	No	Yes	Yes	8,261	ACMAL_1 (runs 1 and 2)	CGTCGTCCAAATG
Bgmal24	Bgmal24.s6.khich	Khichuri-Halwa	Khichuri-Halwa	8.57	5.53	66.7	-4.09	-2.03	-4.01	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Levofloxacin syrup	No	Yes	Yes	17,456	ACMAL_1 (runs 1 and 2)	CTACACAAGTCGC
Bgmal24	Bgmal24.s7.khich	Khichuri-Halwa	Khichuri-Halwa	8.63	5.42	67	-4.42	-1.93	-4.17	Khichuri-Halwa, breast milk, milk suji 100	Yes	Ceftazidime injection	No	Yes	Yes	25,003	ACMAL_1 (runs 1 and 2)	TCTCGTGAATGAC
Bgmal24	Bgmal24.s8.khich	Khichuri-Halwa	Khichuri-Halwa	8.7	5.33	67	-4.6	-1.97	-4.31	Khichuri-Halwa, breast milk, milk suji 100	Yes	Ceftazidime injection	No	Yes	Yes	19,885	ACMAL_1 (runs 1 and 2)	GTATGCCAGAGAT
Bgmal24	Bgmal24.s9.khich	Khichuri-Halwa	Khichuri-Halwa	8.77	5.46	67	-4.33	-2.01	-4.15	Khichuri-Halwa, breast milk, milk suji 100	Yes	Ceftazidime injection	No	Yes	Yes	19,793	ACMAL_1 (runs 1 and 2)	TGAGAGTCCACTT
Bgmal24	Bgmal24.s10	Khichuri-Halwa	Post intervention follow-up (months) < 1	9.23	5.73	67	-3.78	-2.27	-3.9	milk suji, Breast milk	No		No	No	No	26,895	ACMAL_1 (runs 1 and 2)	AGATCTCTGGGTA
Bgmal25	Bgmal25.s3	RUTF	Acute Phase	6.7	4.78	61	-3.38	-3.51	-4.52	milk suji, Breast milk	No		No	No	No	22,734	ACMAL_1 (runs 1 and 2)	GCCGAGGTATAAT
Bgmal25	Bgmal25.s4.RUTF	RUTF	RUTF	6.77	4.96	61	-2.93	-3.55	-4.29	RUTF, Breast milk	No		No	No	No	20,076	ACMAL_1 (runs 1 and 2)	CGAGACGTGTTCT
Bgmal25	Bgmal25.s5.RUTF	RUTF	RUTF	6.83	5.1	61	-2.56	-3.59	-4.11	RUTF, Breast milk	Yes	Cefixime syrup	No	Yes	No	18,958	ACMAL_1 (runs 1 and 2)	TCGCATTTGGATG
Bgmal25	Bgmal25.s6	RUTF	Acute Phase	6.9	5.13	61	-2.49	-3.63	-4.09	milk suji, Breast milk	Yes	Cefixime syrup	No	Yes	No	21,168	ACMAL_1 (runs 1 and 2)	ACAACACATGCTG
Bgmal25	Bgmal25.s7	RUTF	Acute Phase	6.97	5.08	61	-2.62	-3.68	-4.18	milk suji, Breast milk	Yes	Cefixime syrup	No	Yes	No	16,299	ACMAL_1 (runs 1 and 2)	GTGCACGTGATAA
Bgmal25	Bgmal25.s8	RUTF	Acute Phase	7.03	5.15	61	-2.44	-3.72	-4.1	milk suji, Breast milk	No		No	No	No	17,956	ACMAL_1 (runs 1 and 2)	CGCGTCCATGAAT
Bgmal25	Bgmal25.s9.RUTF	RUTF	RUTF	7.1	5.09	61	-2.59	-3.76	-4.21	RUTF, Breast milk	No		No	No	No	29,511	ACMAL_1 (runs 1 and 2)	GAGGTGAGTTCTA
Bgmal25	Bgmal25.s10	RUTF	Post intervention follow-up (months) < 1	7.6	5.52	61.6	-1.87	-3.78	-3.76	milk suji, Breast milk	No		No	No	No	25,044	ACMAL_1 (runs 1 and 2)	GAGGTCCAAATCA
Bgmal25	Bgmal25.s11	RUTF	Post intervention follow-up (months) < 1	8.07	5.24	62	-2.75	-3.87	-4.27	milk suji, Breast milk	Yes	Amoxicillin syrup	No	No	Yes	9,619	ACMAL_2 (runs 1 and 2)	CACCAGTGACTCA

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Bgmal25	Bgmal25.s12	RUTF	Post intervention follow-up (months) 1 to 2	8.77	5.88	63	-1.77	-3.8	-3.59	Breast milk, milk suji, rice, fish, potato, juice	No		No	No	No	17,874	ACMAL_2 (runs 1 and 2)	TCGTAAGATGCCT
Bgmal25	Bgmal25.s13	RUTF	Post intervention follow-up (months) 1 to 2	9.1	5.97	63.5	-1.81	-3.76	-3.55	Breast milk, rice, fish, egg, banana	Yes	Amoxicillin syrup	No	No	Yes	5,827	ACMAL_2 (runs 1 and 2)	GATTCTGCCGAAG
Bgmal25	Bgmal25.s14	RUTF	Post intervention follow-up (months) 2 to 3	9.53	5.93	63.5	-1.89	-3.98	-3.7	Breast milk, milk suji, rice, fish	No		No	No	No	14,341	ACMAL_2 (runs 1 and 2)	ACTCACAACCGTG
Bgmal25	Bgmal25.s15	RUTF	Post intervention follow-up (months) 2 to 3	10.03	6.39	64	-1.17	-4.01	-3.22	Breast milk, milk suji, rice, potato	No		No	No	No	12,267	ACMAL_2 (runs 1 and 2)	CGCCAACAACCAT
Bgmal25	Bgmal25.s16	RUTF	Post intervention follow-up (months) 3 to 4	11.03	6.66	65	-1.08	-4.04	-3.1	Breast milk, milksuji, Khichuri	Yes	Amoxicillin syrup	No	No	Yes	6,078	ACMAL_2 (runs 1 and 2)	TCGTACTCTCGAG
Bgmal25	Bgmal25.s18	RUTF	Post intervention follow-up (months) > 4	13.1	7.76	69	-0.67	-3.23	-2.17	Breast milk, milk, Khichuri, rice, dal, vegetable,	No		No	No	No	20,386	ACMAL_2 (runs 1 and 2)	GAAGACAGCTATC
Bgmal26	Bgmal26.s3	RUTF	Acute Phase	19.07	4.9	65.4	-4.97	-6.43	-6.23	milk suji	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	22,380	ACMAL_1 (runs 1 and 2)	TCTTAGGCATGTG
Bgmal26	Bgmal26.s4.RUTF	RUTF	RUTF	19.13	4.6	65.4	-5.62	-6.45	-6.55	RUTF	Yes	Amoxicillin syrup	Yes	No	No	20,140	ACMAL_1 (runs 1 and 2)	AGAGCGTATCCAT
Bgmal27	Bgmal27.s3	RUTF	Acute Phase	9	4.53	63	-4.91	-3.93	-5.44	milk suji	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	21,093	ACMAL_1 (runs 1 and 2)	TGAACGGGACGTA
Bgmal27	Bgmal27.s4.RUTF	RUTF	RUTF	9.07	4.4	63	-5.21	-3.96	-5.63	RUTF	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	17,053	ACMAL_1 (runs 1 and 2)	GTACGGATTATGG
Bgmal27	Bgmal27.s5.RUTF	RUTF	RUTF	9.13	4.54	63	-4.88	-4	-5.45	RUTF	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	21,595	ACMAL_1 (runs 1 and 2)	GATAACATGTGCG
Bgmal27	Bgmal27.s7.RUTF	RUTF	RUTF	9.27	4.66	64.5	-5.18	-3.4	-5.32	RUTF	No		No	No	No	29,466	ACMAL_1 (runs 1 and 2)	TGTTCGGTGTCCA
Bgmal27	Bgmal27.s8.RUTF	RUTF	RUTF	9.33	4.79	64.5	-4.89	-3.44	-5.16	RUTF	No		No	No	No	19,601	ACMAL_1 (runs 1 and 2)	CGTAATGCGTAAC
Bgmal27	Bgmal27.s9.RUTF	RUTF	RUTF	9.4	5.03	64.5	-4.36	-3.47	-4.86	RUTF	No		No	No	No	21,126	ACMAL_1 (runs 1 and 2)	ACCTGTCCTATCT
Bgmal28	Bgmal28.s3	Khichuri-Halwa	Acute Phase	15.73	5.84	69	-3.56	-3.28	-4.18	milk suji	No		No	No	No	18,749	ACMAL_1 (runs 1 and 2)	TACGTGTAGGCTT
Bgmal28	Bgmal28.s5.khich	Khichuri-Halwa	Khichuri-Halwa	15.87	6.04	69	-3.19	-3.32	-3.96	Khichuri-Halwa, milk suji 100	No		No	No	No	21,920	ACMAL_1 (runs 1 and 2)	GCTTGAGAAATCG

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Bgmal28	Bgmal28.s6.khich	Khichuri-Halwa	Khichuri-Halwa	15.93	5.93	69	-3.39	-3.34	-4.11	Khichuri-Halwa, milk suji 100	No		No	No	No	21,446	ACMAL_1 (runs 1 and 2)	GCGACTCTAAACG
Bgmal28	Bgmal28.s7.khich	Khichuri-Halwa	Khichuri-Halwa	16	6.03	69	-3.21	-3.36	-4	Khichuri-Halwa, milk suji 100	No		No	Yes	No	24,101	ACMAL_1 (runs 1 and 2)	GAAGACAGCTATC
Bgmal28	Bgmal28.s8.khich	Khichuri-Halwa	Khichuri-Halwa	16.07	6.3	69	-2.69	-3.39	-3.68	Khichuri-Halwa, milk suji 100	Yes	Ceftriaxone injection	No	Yes	No	22,950	ACMAL_1 (runs 1 and 2)	TGTCGCCGTACAT
Bgmal28	Bgmal28.s9.khich	Khichuri-Halwa	Khichuri-Halwa	16.13	6.33	69	-2.63	-3.41	-3.66	Khichuri-Halwa, milk suji 100	Yes	Ceftriaxone injection	No	Yes	No	11,796	ACMAL_1 (runs 1 and 2)	CGGTTTAACACGC
Bgmal28	Bgmal28.s10	Khichuri-Halwa	Post intervention follow-up (months) < 1	16.63	6.85	70.4	-2.12	-3.06	-3.12	milk, Khichuri, suji, egg	No		No	No	No	32,732	ACMAL_1 (runs 1 and 2)	GTTCTGAGAGGTA
Bgmal28	Bgmal28.s11	Khichuri-Halwa	Post intervention follow-up (months) < 1	17.13	7.05	70.5	-1.81	-3.18	-2.97	milk, rice, dal, fish, egg, banana, mango	No		No	No	No	14,604	ACMAL_1 (runs 1 and 2)	ATCTGAGGTTGCC
Bgmal28	Bgmal28.s12	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	17.53	6.91	72.2	-2.54	-2.71	-3.21	Khichuri, rice, fish, ORS	No		No	No	No	11,502	ACMAL_2 (runs 1 and 2)	CATCGCACAGTAA
Bgmal28	Bgmal28.s18	Khichuri-Halwa	Post intervention follow-up (months) > 4	22.07	7.25	74	-2.45	-3.34	-3.53	milk, orange juice, rice, potato, dal, vegetable, chicken liver, chicken	No		No	No	No	22,861	ACMAL_2 (runs 1 and 2)	GCGACTCTAAACG
Bgmal29	Bgmal29.s3	RUTF	Acute Phase	10.4	4.89	63	-4.07	-4.62	-5.22	milk suji, Breast milk, rice	No		No	No	No	20,620	ACMAL_1 (runs 1 and 2)	TGGTCTCCTACAG
Bgmal29	Bgmal29.s4.RUTF	RUTF	RUTF	10.47	5.09	63	-3.6	-4.65	-4.98	RUTF, Breast milk	Yes	Ciprofloxacin syrup	Yes	No	No	14,339	ACMAL_1 (runs 1 and 2)	CTAACGCTGTGTG
Bgmal29	Bgmal29.s5.RUTF	RUTF	RUTF	10.53	5.46	63	-2.72	-4.68	-4.52	RUTF, Breast milk	Yes	Ciprofloxacin syrup	Yes	No	No	13,914	ACMAL_1 (runs 1 and 2)	TCTACACAGCACA
Bgmal29	Bgmal29.s6.RUTF	RUTF	RUTF	10.6	5.64	63	-2.3	-4.71	-4.3	RUTF, Breast milk	Yes	Ceftazidime injection	No	Yes	No	15,983	ACMAL_1 (runs 1 and 2)	CGTCTTCAGCAAG
Bgmal29	Bgmal29.s7.RUTF	RUTF	RUTF	10.67	5.55	63	-2.51	-4.74	-4.43	RUTF, Breast milk, milk suji, Khichuri, Halwa	Yes	Ceftazidime injection	Yes	Yes	No	11,809	ACMAL_1 (runs 1 and 2)	CATTGACCGGTCA
Bgmal29	Bgmal29.s8	RUTF	Post intervention follow-up (months) < 1	10.73	5.39	63	-2.89	-4.77	-4.65	milk suji, Breast milk	Yes	Ceftazidime, Cloxacillin injection	Yes	Yes	No	18,497	ACMAL_1 (runs 1 and 2)	CGGAATCCGATTA
Bgmal29	Bgmal29.s9	RUTF	Post intervention follow-up (months) < 1	10.8	5.4	63	-2.87	-4.8	-4.64	milk suji, Breast milk	Yes	Ceftazidime, Cloxacillin injection	Yes	Yes	No	28,447	ACMAL_1 (runs 1 and 2)	GAGACAGTAGGAG
Bgmal3[1]	Bgmal3.s1	Khichuri-Halwa	Acute Phase - Pre Antibiotics	9	4.07	59	-4.14	-5.72	-6.05	Breast milk, rice, powdered milk	No		Yes	Yes	No	26,981	ACMAL_1 (runs 1 and 2)	GACTCACAGGAAT

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Bgmal3	Bgmal3.s2	Khichuri-Halwa	Acute Phase - Pre Antibiotics	9	4.07	59	-4.14	-5.72	-6.05	Breast milk, rice, powdered milk	No		Yes	Yes	No	16,391	ACMAL_1 (runs 1 and 2)	ATCTCTACCACTC
Bgmal3	Bgmal3.s3	Khichuri-Halwa	Acute Phase - First Antibiotic	9.17	4.18	60	-4.4	-5.35	-5.94	milk suji, Breast milk	Yes	Ampicillin, Gentamicin injections	No	No	No	21,878	ACMAL_1 (runs 1 and 2)	GATTCTGCCGAAG
Bgmal3	Bgmal3.s4.khich	Khichuri-Halwa	Khichuri-Halwa	9.23	4.2	60	-4.35	-5.39	-5.92	Khichuri-Halwa, Breast milk, milk suji	No		No	No	No	26,453	ACMAL_1 (runs 1 and 2)	ACTCACAACCGTG
Bgmal3	Bgmal3.s5.khich	Khichuri-Halwa	Khichuri-Halwa	9.3	4.21	60	-4.32	-5.42	-5.92	Khichuri-Halwa, milk suji 100	No		No	No	No	22,024	ACMAL_1 (runs 1 and 2)	CATCGCACAGTAA
Bgmal3	Bgmal3.s6.khich	Khichuri-Halwa	Khichuri-Halwa	9.37	4.18	60	-4.4	-5.45	-5.97	Khichuri-Halwa, milk suji 100	Yes	Levofloxacin syrup	No	No	Yes	29,319	ACMAL_1 (runs 1 and 2)	ATAACGTGTGTGC
Bgmal3	Bgmal3.s7.khich	Khichuri-Halwa	Khichuri-Halwa	9.43	4.4	60.4	-4.04	-5.3	-5.69	Khichuri-Halwa, milk suji 100	Yes	Levofloxacin syrup	No	No	Yes	18,782	ACMAL_1 (runs 1 and 2)	GCAAATTCGGGAT
Bgmal3	Bgmal3.s8.khich	Khichuri-Halwa	Khichuri-Halwa	9.5	4.45	60.4	-3.91	-5.34	-5.64	Khichuri-Halwa, milk suji 100	Yes	Azithromycin syrup	No	No	Yes	17,918	ACMAL_1 (runs 1 and 2)	CGAGCCATCTGTA
Bgmal3	Bgmal3.s9.khich	Khichuri-Halwa	Khichuri-Halwa - Last Antibiotic	9.57	4.73	60.4	-3.19	-5.37	-5.28	Khichuri-Halwa, milk suji 100	No		No	No	Yes	24,025	ACMAL_1 (runs 1 and 2)	GATGATGAGCCTC
Bgmal3	Bgmal3.s10	Khichuri-Halwa	Post intervention follow-up (months) < 1	10.1	5.46	61.2	-1.8	-5.27	-4.44	Khichuri, Halwa, milk, Breast milk	No		No	No	No	17,122	ACMAL_1 (runs 1 and 2)	CACTTCCAACTTC
Bgmal3	Bgmal3.s12	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	12	6.95	62	0.75	-5.72	-2.93	Khichuri, Halwa	No		No	No	No	26,099	ACMAL_1 (runs 1 and 2)	TGTGGTGGTTTCC
Bgmal3	Bgmal3.s13	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	12.4	6.8	62.5	0.26	-5.66	-3.2	milk, Khichuri, fruit	No		No	No	No	26,536	ACMAL_1 (runs 1 and 2)	ATGTAACGCCGAT
Bgmal3	Bgmal3.s14	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	12.97	6.29	63	-0.92	-5.66	-3.92	milk, rice, biscuit	No		No	No	No	32,949	ACMAL_1 (runs 1 and 2)	GATCCTTTGGTTC
Bgmal3	Bgmal3.s15	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	13.33	6.35	63	-0.8	-5.79	-3.91	Khichuri, fruit juice	No		No	No	No	25,652	ACMAL_1 (runs 1 and 2)	TGATCTGCGATCC
Bgmal30	Bgmal30.s3	Khichuri-Halwa	Acute Phase	9.13	5.17	64.3	-3.35	-2.42	-3.83	milk suji	Yes	Amoxicillin syrup	No	No	No	14,734	ACMAL_1 (runs 1 and 2)	GAGCTGCACCTAA
Bgmal30	Bgmal30.s4.khich	Khichuri-Halwa	Khichuri-Halwa	9.2	5.28	64.3	-3.12	-2.45	-3.69	Khichuri-Halwa, milk suji	Yes	Azithromycin syrup	No	No	Yes	18,049	ACMAL_1 (runs 1 and 2)	CACTGACTTAAGG
Bgmal30	Bgmal30.s5.khich	Khichuri-Halwa	Khichuri-Halwa	9.27	5.49	64.3	-2.65	-2.49	-3.41	Khichuri-Halwa, milk suji 100	Yes	Ceftriaxone injection	No	Yes	Yes	16,731	ACMAL_1 (runs 1 and 2)	GAACCAAACTCGA

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal30	Bgmal30.s6.khich	Khichuri-Halwa	Khichuri-Halwa	9.33	5.59	64.3	-2.44	-2.52	-3.29	Khichuri-Halwa, milk suji 100	Yes	Ceftriaxone injection	No	Yes	Yes	20,282	ACMAL_1 (runs 1 and 2)	CGAAATGCTACGT
Bgmal30	Bgmal30.s7.khich	Khichuri-Halwa	Khichuri-Halwa	9.4	5.85	65.2	-2.25	-2.18	-2.94	Khichuri-Halwa, milk suji 100	Yes	Ceftriaxone injection	No	Yes	Yes	26,237	ACMAL_1 (runs 1 and 2)	ACGGATAACCTCC
Bgmal30	Bgmal30.s8.khich	Khichuri-Halwa	Khichuri-Halwa	9.47	5.99	65.2	-1.97	-2.22	-2.75	Khichuri-Halwa, milk suji 100	No		No	No	No	21,750	ACMAL_1 (runs 1 and 2)	GTTCTCCATCACA
Bgmal30	Bgmal30.s9.khich	Khichuri-Halwa	Khichuri-Halwa	9.53	5.99	65.2	-1.97	-2.25	-2.77	Khichuri-Halwa, milk suji 100	No		No	No	No	14,653	ACMAL_1 (runs 1 and 2)	TGCCACGACTTAC
Bgmal31	Bgmal31.s3	Khichuri-Halwa	Acute Phase	13.83	6.2	72.2	-4.47	-2.21	-4.17	milk suji, Breast milk	No		No	No	No	26,679	ACMAL_1 (runs 1 and 2)	TCACCCGATGGTT
Bgmal31	Bgmal31.s4.khich	Khichuri-Halwa	Khichuri-Halwa	13.9	6.27	72.2	-4.35	-2.24	-4.1	Khichuri-Halwa, Breast milk, milk suji	No		No	No	No	16,749	ACMAL_2 (runs 1 and 2)	CAACTAGTTCAGG
Bgmal31	Bgmal31.s5.khich	Khichuri-Halwa	Khichuri-Halwa	13.97	6.47	72.2	-3.99	-2.27	-3.87	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	11,359	ACMAL_2 (runs 1 and 2)	GTAGGCATGCTTG
Bgmal31	Bgmal31.s6.khich	Khichuri-Halwa	Khichuri-Halwa	14.03	6.4	72.2	-4.12	-2.29	-3.96	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	20,470	ACMAL_2 (runs 1 and 2)	AGCGTTCTAGCTG
Bgmal31	Bgmal31.s7.khich	Khichuri-Halwa	Khichuri-Halwa	14.1	6.71	72.2	-3.57	-2.32	-3.61	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	19,544	ACMAL_2 (runs 1 and 2)	CACGAGACTGATT
Bgmal31	Bgmal31.s8.khich	Khichuri-Halwa	Khichuri-Halwa	14.17	6.93	72.2	-3.18	-2.35	-3.36	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	17,074	ACMAL_2 (runs 1 and 2)	ATCCCTTGTCTCC
Bgmal31	Bgmal31.s9.khich	Khichuri-Halwa	Khichuri-Halwa	14.23	7.13	72.8	-3	-2.13	-3.14	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	23,989	ACMAL_1 (runs 1 and 2)	CATTGTTCCTACC
Bgmal31	Bgmal31.s10	Khichuri-Halwa	Post intervention follow-up (months) < 1	14.73	7.18	72.8	-2.91	-2.33	-3.17	Cow's milk, rice, dal, potato	No		No	No	No	31,893	ACMAL_1 (runs 1 and 2)	GAGGGTGACTTTA
Bgmal31	Bgmal31.s11	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	15.2	7.64	72.8	-2.1	-2.5	-2.7	Cow's milk, rice, fish	No		No	No	No	15,399	ACMAL_2 (runs 1 and 2)	ATAACGTGTGTGC
Bgmal31	Bgmal31.s17	Khichuri-Halwa	Post intervention follow-up (months) > 4	18.87	8.84	75.6	-1.04	-2.65	-2.01	rice, potatoes, leafy vegetable, vegetable, prawn, cakes, chips	No		No	No	No	20,177	ACMAL_2 (runs 1 and 2)	TCGTAGGTAGAGG
Bgmal31	Bgmal31.s18	Khichuri-Halwa	Post intervention follow-up (months) > 4	19.9	9.06	76.2	-0.89	-2.73	-1.95	milk, Khichuri, rice, chapati, potatoes, carrots, leafy vegetable, beans, egg	No		No	No	No	21,224	ACMAL_2 (runs 1 and 2)	GAGGGTGACTTTA
Bgmal32	Bgmal32.s3	Khichuri-Halwa	Acute Phase	19.83	6.42	74	-4.54	-3.51	-4.7	milksuji, Breast milk, rice, dal, vegetable, leafy vegetable	Yes	Ceftriaxone, Levofloxacin injection	No	No	Yes	12,145	ACMAL_2 (runs 1 and 2)	AGGACTTCCAGCT

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal32	Bgmal32.s4.khich	Khichuri-Halwa	Khichuri-Halwa	19.9	6.51	74	-4.39	-3.52	-4.61	Khichuri-Halwa, Breast milk, mil suzi	Yes	Ceftriaxone, Levofloxacin injection	No	No	Yes	17,595	ACMAL_2 (runs 1 and 2)	CGTTGTTCTGGGA
Bgmal32	Bgmal32.s5.khich	Khichuri-Halwa	Khichuri-Halwa	19.97	6.88	74	-3.76	-3.54	-4.23	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	13,507	ACMAL_2 (runs 1 and 2)	CGCTGTACGGATT
Bgmal32	Bgmal32.s6.khich	Khichuri-Halwa	Khichuri-Halwa	20.03	7.02	74	-3.52	-3.56	-4.09	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	13,714	ACMAL_2 (runs 1 and 2)	TAGTCGAACGAGG
Bgmal32	Bgmal32.s7.khich	Khichuri-Halwa	Khichuri-Halwa	20.1	7.04	74	-3.49	-3.58	-4.08	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	11,702	ACMAL_2 (runs 1 and 2)	ATGCATACACTGG
Bgmal32	Bgmal32.s8.khich	Khichuri-Halwa	Khichuri-Halwa	20.17	7.15	74	-3.3	-3.59	-3.97	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	19,548	ACMAL_1 (runs 1 and 2)	GCTATCATCCTCA
Bgmal32	Bgmal32.s9.khich	Khichuri-Halwa	Khichuri-Halwa	20.23	7.21	74	-3.2	-3.61	-3.92	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	20,421	ACMAL_1 (runs 1 and 2)	TCGTAGGTAGAGG
Bgmal32	Bgmal32.s13	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	22.47	7.79	75.4	-2.59	-3.66	-3.6	rice, vegetable, leafy vegetable, Breast milk	Yes	Flucloxacillin syrup	No	No	No	13,464	ACMAL_2 (runs 1 and 2)	ACCTGCGAAGTAT
Bgmal32	Bgmal32.s14	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	22.73	7.68	75.6	-2.83	-3.65	-3.74	Khichuri, Halwa, meat, Breast milk	Yes	Amoxicillin syrup	No	No	Yes	15,195	ACMAL_2 (runs 1 and 2)	ATTGACCGCGGTT
Bgmal32	Bgmal32.s15	Khichuri-Halwa	Post intervention follow-up (months) 3 to 4	23.17	7.65	76	-2.99	-3.62	-3.82	rice, dal, meat, egg, biscuit, Breast milk	No		No	No	No	19,975	ACMAL_2 (runs 1 and 2)	GCGTGACAATAGT
Bgmal32	Bgmal32.s16	Khichuri-Halwa	Post intervention follow-up (months) > 4	24.2	8.04	77	-2.59	-3.51	-3.55	rice, leafy vegetable, meat, biscuit, dairy product, Breast milk	No		No	No	No	22,718	ACMAL_2 (runs 1 and 2)	GTTCTGAGAGGTA
Bgmal32	Bgmal32.s18	Khichuri-Halwa	Post intervention follow-up (months) > 4	26.13	8.69	78.2	-2.04	-3.29	-3.15	rice, chapati, leafy vegetable, fish, fruits, dairy product, cakes	No		No	No	No	11,170	ACMAL_2 (runs 1 and 2)	ATTCCTAGGCCAG
Bgmal33	Bgmal33.s3	RUTF	Acute Phase	8.27	4.42	64	-4.86	-2.09	-4.69	milk suji	No		No	No	No	14,724	ACMAL_2 (runs 1 and 2)	GTGGTCAACGATA
Bgmal33	Bgmal33.s4.RUTF	RUTF	RUTF	8.33	4.36	64	-4.99	-2.13	-4.79	RUTF	No		No	No	No	11,612	ACMAL_2 (runs 1 and 2)	GATCACCAGGTGT
Bgmal33	Bgmal33.s6.RUTF	RUTF	RUTF	8.47	4.66	64	-4.34	-2.2	-4.39	RUTF	Yes	Azithromycin syrup	No	No	Yes	14,592	ACMAL_2 (runs 1 and 2)	GCGAGCAATCCTA
Bgmal33	Bgmal33.s7.RUTF	RUTF	RUTF	8.53	4.54	64.5	-4.77	-2.02	-4.58	RUTF	Yes	Azithromycin syrup	No	No	Yes	7,984	ACMAL_2 (runs 1 and 2)	AGCGATATATCGC
Bgmal33	Bgmal33.s9.RUTF	RUTF	RUTF	8.67	4.47	64.5	-4.91	-2.1	-4.71	RUTF	No		No	No	No	16,584	ACMAL_2 (runs 1 and 2)	CGAGCCATCTGTA

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Bgmal33	Bgmal33.s11	RUTF	Post intervention follow-up (months) < 1	9.63	5.72	65.5	-2.63	-2.18	-3.18	Halwa, rice, dal, potato	No		No	No	No	17,596	ACMAL_2 (runs 1 and 2)	AGATTCCGGCTCA
Bgmal33	Bgmal33.s12	RUTF	Post intervention follow-up (months) 1 to 2	10.1	5.91	66.8	-2.72	-1.87	-3.03	milk, Halwa	No		No	No	No	13,139	ACMAL_2 (runs 1 and 2)	CATGGCTGTCAGT
Bgmal33	Bgmal33.s13	RUTF	Post intervention follow-up (months) 1 to 2	10.67	6.14	67	-2.33	-2.06	-2.84	milk, Halwa, rice, leafy vegetable, potato, dal	No		No	No	No	16,123	ACMAL_2 (runs 1 and 2)	CGATGTGGTGTTA
Bgmal33	Bgmal33.s16	RUTF	Post intervention follow-up (months) 3 to 4	12.6	6.55	69	-2.22	-2.13	-2.72	rice, potato, leafy vegetable, dal, carrot, beef, biscuit	Yes	Azithromycin syrup	No	Yes	Yes	18,503	ACMAL_2 (runs 1 and 2)	CATTGTTCCTACC
Bgmal34	Bgmal34.s3	RUTF	Acute Phase	16.53	6.64	76.5	-4.73	-1.55	-4.06	milk suji	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	13,514	ACMAL_2 (runs 1 and 2)	CGTAGATCGTGTA
Bgmal34	Bgmal34.s4.RUTF	RUTF	RUTF	16.6	6.12	76.5	-5.57	-1.57	-4.65	RUTF	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	10,407	ACMAL_2 (runs 1 and 2)	CGAATACCAAGTC
Bgmal34	Bgmal34.s5.RUTF	RUTF	RUTF	16.67	6.35	76.5	-5.2	-1.59	-4.4	RUTF	No		No	No	No	10,823	ACMAL_2 (runs 1 and 2)	TACCATAGCTCCG
Bgmal34	Bgmal34.s6.RUTF	RUTF	RUTF	16.73	6.23	76.5	-5.39	-1.62	-4.54	RUTF, milk suji	Yes	Ciprofloxacin syrup	Yes	No	No	9,506	ACMAL_2 (runs 1 and 2)	ATGCAGTCCTCGA
Bgmal34	Bgmal34.s7.RUTF	RUTF	RUTF	16.8	6.35	76.5	-5.2	-1.64	-4.41	RUTF	Yes	Ciprofloxacin syrup	Yes	No	No	13,472	ACMAL_2 (runs 1 and 2)	GCACTACGCTAGA
Bgmal34	Bgmal34.s8.RUTF	RUTF	RUTF	16.87	6.83	76.5	-4.43	-1.67	-3.89	RUTF	No		No	No	No	28,788	ACMAL_1 (runs 1 and 2)	TCTGGGTATCTCG
Bgmal34	Bgmal34.s9.RUTF	RUTF	RUTF	16.93	7.06	76.5	-4.06	-1.69	-3.64	RUTF	No		No	No	No	13,197	ACMAL_2 (runs 1 and 2)	CACTTCCAACTTC
Bgmal34	Bgmal34.s10	RUTF	Post intervention follow-up (months) < 1	17.43	7.99	76.7	-2.6	-1.79	-2.68	Khichuri, Halwa, milk, meat, egg, fish, fruit	No		No	No	No	12,662	ACMAL_2 (runs 1 and 2)	TAGCATGTCCCGT
Bgmal34	Bgmal34.s12	RUTF	Post intervention follow-up (months) 1 to 2	18.57	7.8	78	-3.22	-1.68	-3.07	Khichuri, milk, rice, chicken liver, meat, fruits(guava)	Yes	Ciprofloxacin syrup	No	Yes	No	13,387	ACMAL_2 (runs 1 and 2)	TAGTGTTTCGGAC
Bgmal34	Bgmal34.s15	RUTF	Post intervention follow-up (months) 2 to 3	19.97	7.86	79	-3.34	-1.75	-3.21	rice, leafy vegetable, dal, banana, fish, dairy products	No		No	No	No	15,343	ACMAL_2 (runs 1 and 2)	GCCAGATATAGCA
Bgmal35	Bgmal35.s3	RUTF	Acute Phase	7.8	5.22	68.5	-5.28	-0.76	-4.23	milk suji, Breast milk	No		No	No	No	17,965	ACMAL_2 (runs 1 and 2)	TCGAGGGAAAGTC
Bgmal35	Bgmal35.s4.RUTF	RUTF	RUTF	7.87	5.06	68.5	-5.6	-0.8	-4.47	RUTF, Breast milk	No		No	No	No	11,537	ACMAL_2 (runs 1 and 2)	AGTATCTGCGCGT

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Bgmal35	Bgmal35.s5.RUTF	RUTF	RUTF	7.93	5.25	68.5	-5.22	-0.84	-4.22	RUTF, Breast milk	No		No	No	No	10,555	ACMAL_2 (runs 1 and 2)	CGATGTTCGCTAG
Bgmal35	Bgmal35.s6.RUTF	RUTF	RUTF	8	5.32	68.5	-5.09	-0.88	-4.15	RUTF, Breast milk	Yes	Azithromycin syrup	No	No	Yes	11,350	ACMAL_2 (runs 1 and 2)	AGGCCAGTTCCTA
Bgmal35	Bgmal35.s7.RUTF	RUTF	RUTF	8.07	5.34	68.5	-5.05	-0.92	-4.14	RUTF, Breast milk	Yes	Azithromycin syrup	No	No	Yes	12,262	ACMAL_2 (runs 1 and 2)	ATACTACGTGGCC
Bgmal35	Bgmal35.s8.RUTF	RUTF	RUTF	8.13	5.58	68.5	-4.58	-0.96	-3.83	RUTF, Breast milk	No		No	No	No	15,098	ACMAL_2 (runs 1 and 2)	ACTGCTATTCCTC
Bgmal35	Bgmal35.s9.RUTF	RUTF	RUTF	8.2	5.72	68.5	-4.3	-1	-3.65	RUTF, Breast milk	No		No	No	No	14,996	ACMAL_2 (runs 1 and 2)	TGTCGTGTAGCCT
Bgmal35	Bgmal35.s10	RUTF	Post intervention follow-up (months) < 1	8.67	6.4	69	-3.14	-1.06	-2.86	Khichuri, egg, beef, orange, Breast milk	No		No	No	No	16,365	ACMAL_2 (runs 1 and 2)	CTTGGCTCTATTC
Bgmal35	Bgmal35.s11	RUTF	Post intervention follow-up (months) < 1	9.17	6.98	69	-2.01	-1.34	-2.22	Khichuri, egg, Breast milk	No		No	No	No	20,246	ACMAL_2 (runs 1 and 2)	GAATTGTGTCGGA
Bgmal35	Bgmal35.s15	RUTF	Post intervention follow-up (months) 3 to 4	11.7	6.95	72	-3.08	-1.35	-2.87	Khichuri, Halwa, egg, apple	No		No	No	No	17,003	ACMAL_2 (runs 1 and 2)	TATGGGCGAATGG
Bgmal35	Bgmal35.s17	RUTF	Post intervention follow-up (months) > 4	13.1	8.42	74	-1.22	-1.16	-1.43	rice, potato, leafy vegetable, lentils, veg, chicken, egg, fish, juice	No		No	No	No	22,542	ACMAL_2 (runs 1 and 2)	TCTGGGTATCTCG
Bgmal36	Bgmal36.s3	Khichuri-Halwa	Acute Phase	15.3	4.84	62.5	-3.96	-6.6	-5.94	milk suji, Breast milk	Yes	Ceftriaxone, Levofloxacin injections	No	No	Yes	14,774	ACMAL_2 (runs 1 and 2)	CGAACACTTTGGA
Bgmal36	Bgmal36.s4.khich	Khichuri-Halwa	Khichuri-Halwa	15.37	4.82	62.5	-4.01	-6.62	-5.97	Khichuri-Halwa, Breast milk, milk uzi	Yes	Ceftriaxone, Levofloxacin injections	No	No	No	13,033	ACMAL_2 (runs 1 and 2)	CTCGACATCTCTT
Bgmal36	Bgmal36.s5.khich	Khichuri-Halwa	Khichuri-Halwa	15.43	5.02	62.5	-3.54	-6.64	-5.75	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	14,189	ACMAL_2 (runs 1 and 2)	CGCTCGAAGATTC
Bgmal36	Bgmal36.s6.khich	Khichuri-Halwa	Khichuri-Halwa	15.5	4.96	62.5	-3.68	-6.66	-5.83	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	14,399	ACMAL_2 (runs 1 and 2)	AGTGGAGTCTCAT
Bgmal36	Bgmal36.s7.khich	Khichuri-Halwa	Khichuri-Halwa	15.57	5.21	62.5	-3.08	-6.68	-5.55	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	16,582	ACMAL_2 (runs 1 and 2)	ACATTATGGCGTG
Bgmal36	Bgmal36.s8.khich	Khichuri-Halwa	Khichuri-Halwa	15.63	5.24	62.5	-3.01	-6.69	-5.52	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	11,668	ACMAL_2 (runs 1 and 2)	GAGATTGACCAAC
Bgmal36	Bgmal36.s10.khich	Khichuri-Halwa	Khichuri-Halwa	16.17	5.52	63	-2.58	-6.64	-5.27	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Ceftazidime, Amikacin injections	No	No	Yes	12,351	ACMAL_2 (runs 1 and 2)	TGTCGACAGAGGA
Bgmal36	Bgmal36.s11	Khichuri-Halwa	Post intervention	16.67	4.9	63.5	-4.25	-6.58	-6.01	Breast milk	Yes	Azithromycin syrup	No	No	Yes	15,750	ACMAL_2 (runs 1 and 2)	AGCAACACCATCC

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
			follow-up (months) < 1															
			follow-up (months) < 1															
Bgmal36	Bgmal36.s16	Khichuri-Halwa	Post intervention follow-up (months) 3 to 4	19.57	5.95	65	-2.52	-6.68	-5.16	Breast milk, Khichuri, rice, fish	No		No	No	No	7,770	ACMAL_2 (runs 1 and 2)	CGTAGGTGCTTAC
Bgmal37	Bgmal37.s3	Khichuri-Halwa	Acute Phase	13.07	5.75	66	-3.37	-4.45	-4.59	milk suji, Breast milk	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	14,963	ACMAL_2 (runs 1 and 2)	GACTCACAGGAAT
Bgmal37	Bgmal37.s4.khich	Khichuri-Halwa	Khichuri-Halwa	13.13	5.72	66	-3.43	-4.48	-4.63	Khichuri-Halwa, Breast milk, milk suji	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	9,729	ACMAL_2 (runs 1 and 2)	GCTATCTCCTGTC
Bgmal37	Bgmal37.s5.khich	Khichuri-Halwa	Khichuri-Halwa	13.2	5.75	66	-3.37	-4.5	-4.61	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	13,222	ACMAL_2 (runs 1 and 2)	TCTCACCTAGGAA
Bgmal37	Bgmal37.s6.khich	Khichuri-Halwa	Khichuri-Halwa	13.27	5.8	66	-3.26	-4.53	-4.56	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	11,588	ACMAL_2 (runs 1 and 2)	CGTACGATATGAC
Bgmal37	Bgmal37.s7.khich	Khichuri-Halwa	Khichuri-Halwa	13.33	5.92	66.2	-3.09	-4.47	-4.42	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	14,691	ACMAL_2 (runs 1 and 2)	TATGTCACCGCTG
Bgmal37	Bgmal37.s8.khich	Khichuri-Halwa	Khichuri-Halwa	13.4	5.97	66.2	-2.98	-4.5	-4.37	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	19,451	ACMAL_2 (runs 1 and 2)	TAGCGGAGGTTAG
Bgmal37	Bgmal37.s9.khich	Khichuri-Halwa	Khichuri-Halwa	13.47	5.95	66.2	-3.02	-4.52	-4.41	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	16,293	ACMAL_2 (runs 1 and 2)	TCCAATACGCCTG
Bgmal37	Bgmal37.s10.khich	Khichuri-Halwa	Khichuri-Halwa	13.9	6.03	66.6	-3.01	-4.51	-4.38	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	17,008	ACMAL_2 (runs 1 and 2)	ATACGAGCCCTAA
Bgmal37	Bgmal37.s11	Khichuri-Halwa	Post intervention follow-up (months) < 1	14.43	6.46	67	-2.27	-4.54	-3.95	Breast milk, milk suji, Khichuri, Halwa	Yes	Levofloxacin syrup	No	Yes	Yes	14,048	ACMAL_2 (runs 1 and 2)	TCACTGGTGCATA
Bgmal37	Bgmal37.s12	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	15.07	6.75	67.2	-1.78	-4.67	-3.72	Breast milk, powdered milk, Khichuri, Halwa	No		No	No	No	16,875	ACMAL_2 (runs 1 and 2)	AGGTTCGGTCCAT
Bgmal37	Bgmal37.s13	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	15.4	6.79	67.6	-1.85	-4.62	-3.72	Breast milk, powdered milk, Khichuri, Halwa	No		No	No	No	13,275	ACMAL_2 (runs 1 and 2)	ATCACCTCCTTGT
Bgmal37	Bgmal37.s15	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	16.37	7.14	68.5	-1.54	-4.57	-3.47	Breast milk, powdered milk, rice, fish, egg, banana	No		No	No	No	7,259	ACMAL_2 (runs 1 and 2)	TCGAGCTGTTACC
Bgmal37	Bgmal37.s16	Khichuri-Halwa	Post intervention follow-up (months) 3 to 4	17.37	7.36	70.8	-1.95	-3.99	-3.38	Breast milk, powdered milk, Khichuri, Halwa, egg, fish, biscuit, leafy vegetable	Yes	Cefixime syrup	No	Yes	Yes	14,441	ACMAL_2 (runs 1 and 2)	GTGTTAAGCAGCA
Bgmal37	Bgmal37.s18	Khichuri-Halwa	Post intervention follow-up (months) > 4	19.33	7.73	73	-2.01	-3.73	-3.26	Breast milk, infant formula, rice, potato, leafy vegetable, fish, orange, biscuit	No		No	No	No	9,467	ACMAL_2 (runs 1 and 2)	TAGGCACAGTAGG

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgma138	Bgma138.s3	RUTF	Acute Phase	6.7	2.21	50	-4.66	-8.6	-8.21	milk suji, Breast milk	Yes	Ceftriaxone, Levofloxacin injections	No	No	Yes	13,633	ACMAL_2 (runs 1 and 2)	TATGGGTTCCGTC
Bgma139	Bgma139.s3	Khichuri-Halwa	Acute Phase	14.07	3.5	60	-5.59	-6.06	-6.83	milk suji	Yes	Ceftriaxone injection	No	No	Yes	14,479	ACMAL_2 (runs 1 and 2)	GCGGTCAATTGAC
Bgma139	Bgma139.s4.khich	Khichuri-Halwa	Khichuri-Halwa	14.13	3.51	60	-5.56	-6.08	-6.83	Khichuri-Halwa, milk suji	Yes	Ceftriaxone injection	No	No	Yes	22,409	ACMAL_1 (runs 1 and 2)	CGATCATTCTCTC
Bgma139	Bgma139.s5.khich	Khichuri-Halwa	Khichuri-Halwa	14.2	3.61	60	-5.31	-6.1	-6.71	Khichuri-Halwa, milk suji 100	Yes	Levofloxacin syrup	No	No	Yes	11,170	ACMAL_2 (runs 1 and 2)	CAGTTACGAGCTA
Bgma139	Bgma139.s6.khich	Khichuri-Halwa	Khichuri-Halwa	14.27	3.75	60	-4.96	-6.12	-6.55	Khichuri-Halwa, milk suji 100	Yes	Levofloxacin syrup	No	No	Yes	11,376	ACMAL_2 (runs 1 and 2)	TAAGGCGCTCCTT
Bgma139	Bgma139.s7.khich	Khichuri-Halwa	Khichuri-Halwa	14.33	3.92	60.8	-4.86	-5.84	-6.34	Khichuri-Halwa, milk suji 100	Yes	Levofloxacin syrup	No	No	Yes	13,039	ACMAL_2 (runs 1 and 2)	CTGTCGCAAATAG
Bgma139	Bgma139.s8.khich	Khichuri-Halwa	Khichuri-Halwa	14.4	3.98	60.8	-4.71	-5.86	-6.27	Khichuri-Halwa, milk suji 100	Yes	Levofloxacin syrup	No	No	No	15,822	ACMAL_2 (runs 1 and 2)	TGTGTTGTCGTGC
Bgma139	Bgma139.s9.khich	Khichuri-Halwa	Khichuri-Halwa	14.43	3.89	60.8	-4.93	-5.87	-6.39	Khichuri-Halwa, milk suji 100	No		No	No	No	18,301	ACMAL_2 (runs 1 and 2)	TGTGGTGGTTTCC
Bgma139	Bgma139.s13	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	16.63	4.69	61.6	-3.34	-6.19	-5.69	rice, dal, cucumber	No		No	No	No	16,239	ACMAL_2 (runs 1 and 2)	CATCAGTACTAGG
Bgma139	Bgma139.s14	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	16.97	4.77	61.6	-3.16	-6.27	-5.64	rice, dal, vegetable	No		No	No	No	17,080	ACMAL_2 (runs 1 and 2)	ATTGCCAAGAGTC
Bgma139	Bgma139.s15	Khichuri-Halwa	Post intervention follow-up (months) 3 to 4	17.53	5.02	62.2	-2.83	-6.2	-5.41	Khichuri, rice, fish, banana, dairy products	No		No	No	No	16,626	ACMAL_2 (runs 1 and 2)	CAACTTTCAGGAG
Bgma139	Bgma139.s16	Khichuri-Halwa	Post intervention follow-up (months) 3 to 4	18.4	5.51	63	-2.07	-6.13	-4.96	rice, potato, leafy vegetable, egg, apple, biscuit	No		No	No	No	14,089	ACMAL_2 (runs 1 and 2)	TAAGGGCGCTGAA
Bgma139	Bgma139.s18	Khichuri-Halwa	Post intervention follow-up (months) > 4	23.53	5.97	65	-1.93	-6.5	-5.07	Khichuri, rice, potato, leafy vegetable, lentil, tea	Yes	Cefixime syrup	No	Yes	Yes	11,586	ACMAL_2 (runs 1 and 2)	CTTATGGTACGGA
Bgma14[1]	Bgma14.s1	Khichuri-Halwa	Acute Phase - Pre Antibiotics	9	5	64	-4.23	-3.48	-4.82	Breast milk, rice, lentil, potato	No		Yes	No	No	22,715	ACMAL_1 (runs 1 and 2)	TAGCATGTCCCGT
Bgma14	Bgma14.s4.khich	Khichuri-Halwa	Khichuri-Halwa	9.13	5.21	64.3	-3.88	-3.42	-4.56	Khichuri-Halwa, Breast milk, milk suji	Yes	Amoxicillin syrup	Yes	No	No	20,622	ACMAL_1 (runs 1 and 2)	TGTCGTGTAGCCT
Bgma14	Bgma14.s5.khich	Khichuri-Halwa	Khichuri-Halwa	9.2	5.28	64.3	-3.72	-3.45	-4.49	Khichuri-Halwa, breast milk, milk suji 100	Yes	Amoxicillin syrup	Yes	No	No	23,312	ACMAL_1 (runs 1 and 2)	ACATTATGGCGTG

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgma14	Bgmal4.s6.khich	Khichuri-Halwa	Khichuri-Halwa	9.27	5.3	64.3	-3.67	-3.49	-4.47	Khichuri-Halwa, breast milk, milk suji 100	No		No	No	No	24,017	ACMAL_1 (runs 1 and 2)	GAGATTGACCAAC
Bgma14	Bgmal4.s8.khich	Khichuri-Halwa	Khichuri-Halwa	9.4	5.25	65	-4.06	-3.25	-4.57	milk suji, Breast milk	Yes	Ceftazidime, Amikacin injections	No	Yes	Yes	24,107	ACMAL_1 (runs 1 and 2)	TGTCGACAGAGGA
Bgma14	Bgmal4.s9.khich	Khichuri-Halwa	Khichuri-Halwa	9.5	5.25	65	-4.06	-3.3	-4.59	Khichuri-Halwa, breast milk, milk suji 100	Yes	Ceftazidime, Amikacin injections	No	Yes	Yes	18,188	ACMAL_1 (runs 1 and 2)	TCTCACCTAGGAA
Bgma14	Bgmal4.s10.khich	Khichuri-Halwa	Khichuri-Halwa - Last Antibiotic	9.97	5.64	65.3	-3.33	-3.4	-4.18	Khichuri-Halwa, Breast milk	No		No	Yes	No	19,671	ACMAL_1 (runs 1 and 2)	CGTACGATATGAC
Bgma14	Bgmal4.s12	Khichuri-Halwa	Post intervention follow-up (months) < 1	11	not taken	not taken	na	na	na	milk, rice, potato, vegetable, chicken, fish	No		No	No	No	26,285	ACMAL_1 (runs 1 and 2)	TAGCGGAGGTTAG
Bgmal40	Bgmal40.s3	Khichuri-Halwa	Acute Phase	10.03	4.62	63.2	-4.14	-3.3	-4.78	milk suji, Breast milk	No		No	No	No	25,340	ACMAL_1 (runs 1 and 2)	TCCTTGACCGATG
Bgmal40	Bgmal40.s4.khich	Khichuri-Halwa	Khichuri-Halwa	10.1	4.7	63.2	-3.97	-3.33	-4.69	Khichuri-Halwa, Breast milk, milk suji	No		No	No	No	17,787	ACMAL_2 (runs 1 and 2)	ATGTAACGCCGAT
Bgmal40	Bgmal40.s5.khich	Khichuri-Halwa	Khichuri-Halwa	10.17	4.57	63.2	-4.25	-3.36	-4.88	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	20,060	ACMAL_2 (runs 1 and 2)	GATCCTTTGGTTC
Bgmal40	Bgmal40.s6.khich	Khichuri-Halwa	Khichuri-Halwa	10.23	4.69	63.2	-3.99	-3.4	-4.73	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	14,148	ACMAL_2 (runs 1 and 2)	TGATCTGCGATCC
Bgmal40	Bgmal40.s7.khich	Khichuri-Halwa	Khichuri-Halwa	10.3	4.71	63.4	-4.02	-3.34	-4.71	Khichuri-Halwa	No		No	No	No	12,946	ACMAL_2 (runs 1 and 2)	AGCATATGCACTG
Bgmal40	Bgmal40.s8.khich	Khichuri-Halwa	Khichuri-Halwa	10.37	4.7	63.4	-4.04	-3.37	-4.74	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	13,839	ACMAL_2 (runs 1 and 2)	CTAATACGGATCG
Bgmal40	Bgmal40.s9.khich	Khichuri-Halwa	Khichuri-Halwa	10.43	4.68	63.4	-4.08	-3.4	-4.78	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	12,451	ACMAL_2 (runs 1 and 2)	ACATCCCTCTACT
Bgmal40	Bgmal40.s10.khich	Khichuri-Halwa	Khichuri-Halwa	10.9	4.93	64	-3.76	-3.37	-4.53	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Ciprofloxacin syrup	Yes	No	No	13,890	ACMAL_2 (runs 1 and 2)	TCATTCGTGGCGT
Bgmal40	Bgmal40.s11	Khichuri-Halwa	Post intervention follow-up (months) < 1	11.4	4.86	64	-3.91	-3.58	-4.71	Khichuri powdered milk, Breast milk	Yes	Flucloxacillin syrup	No	No	No	5,258	ACMAL_2 (runs 1 and 2)	ATACTCGGGAACT
Bgmal40	Bgmal40.s13	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	12.53	5.24	65.1	-3.49	-3.6	-4.41	rice, dal, egg, Breast milk	Yes	Amoxicillin syrup	No	No	Yes	17,029	ACMAL_2 (runs 1 and 2)	CGTGTTAGATGTG
Bgmal40	Bgmal40.s17	Khichuri-Halwa	Post intervention follow-up (months) > 4	15.23	5.53	67	-3.55	-3.84	-4.48	Breast milk, powdered milk	Yes	TB drug	No	Yes	Yes	19,321	ACMAL_2 (runs 1 and 2)	TGCATTACTGGAC
Bgmal40	Bgmal40.s18	Khichuri-Halwa	Post intervention	16.47	6.01	67.5	-2.76	-4.04	-4.09	Breast milk, powdered milk	Yes	TB drug	No	No	Yes	10,414	ACMAL_2 (runs 1 and 2)	GCTCTGCCTAATT

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
			follow-up (months) > 4															
			follow-up (months) > 4															
Bgmal41	Bgmal41.s3	RUTF	Acute Phase	18.73	5.93	69	-3.39	-4.16	-4.52	milk suji, Breast milk	Yes	Ciprofloxacin, Amoxicillin syrups	No	No	No	13,085	ACMAL_2 (runs 1 and 2)	ACCACAGATCGAT
Bgmal41	Bgmal41.s4.RUTF	RUTF	RUTF	18.8	5.97	69	-3.32	-4.18	-4.49	RUTF, Breast milk	No		No	No	No	12,734	ACMAL_2 (runs 1 and 2)	CTAGTATGCGCAA
Bgmal41	Bgmal41.s5.RUTF	RUTF	RUTF	18.87	5.9	69	-3.45	-4.19	-4.57	RUTF, Breast milk	No		No	No	No	13,972	ACMAL_2 (runs 1 and 2)	CAGCAGAACATCT
Bgmal41	Bgmal41.s6.RUTF	RUTF	RUTF	18.93	6.05	69	-3.17	-4.21	-4.41	RUTF, Breast milk	No		No	No	No	14,488	ACMAL_2 (runs 1 and 2)	ATACAGCGCATAC
Bgmal41	Bgmal41.s7.RUTF	RUTF	RUTF	19	6.5	69.4	-2.44	-4.09	-3.91	RUTF, Breast milk	No		No	No	No	15,560	ACMAL_2 (runs 1 and 2)	ACAGCTCATCAGC
Bgmal41	Bgmal41.s8.RUTF	RUTF	RUTF	19.07	6.53	69.4	-2.38	-4.11	-3.89	RUTF, Breast milk	No		No	No	No	13,533	ACMAL_2 (runs 1 and 2)	CACAATAGACACC
Bgmal41	Bgmal41.s9.RUTF	RUTF	RUTF	19.1	6.61	69.4	-2.24	-4.12	-3.8	RUTF, Breast milk	Yes	Azithromycin syrup	No	Yes	Yes	13,461	ACMAL_2 (runs 1 and 2)	ACGTAATTGCCGC
Bgmal41	Bgmal41.s10	RUTF	Post intervention follow-up (months) < 1	19.8	6.52	70	-2.59	-4.09	-4	Khichuri, rice, fish, Breast milk	No		No	No	No	14,048	ACMAL_2 (runs 1 and 2)	GTTCTCTCGACAT
Bgmal41	Bgmal41.s12	RUTF	Post intervention follow-up (months) 1 to 2	20.67	6.88	70.8	-2.19	-4.04	-3.73	Khichuri, rice, liver, Breast milk	No		No	No	No	13,664	ACMAL_2 (runs 1 and 2)	GCAGAAATGTGTC
Bgmal41	Bgmal41.s14	RUTF	Post intervention follow-up (months) 2 to 3	21.37	7.2	71.2	-1.76	-4.08	-3.48	cow's milk, Khichuri, rice, egg, fish, Breast milk	No		No	No	No	17,821	ACMAL_2 (runs 1 and 2)	CTCAGTTCTCGTT
Bgmal41	Bgmal41.s15	RUTF	Post intervention follow-up (months) 2 to 3	22.03	7.47	71.2	-1.34	-4.23	-3.29	Breast milk, rice, vegetable, leafy vegetable, egg, chicken liver	No		No	No	No	10,887	ACMAL_2 (runs 1 and 2)	CTACACAAGTCGC
Bgmal41	Bgmal41.s16	RUTF	Post intervention follow-up (months) 3 to 4	23.03	7.44	72	-1.6	-4.2	-3.46	Breast milk, rice, potato, chicken, chicken, liver,	No		No	No	No	10,941	ACMAL_2 (runs 1 and 2)	AGACTGACTCGTC
Bgmal41	Bgmal41.s17	RUTF	Post intervention follow-up (months) > 4	23.97	7.93	73.8	-1.34	-3.83	-3.08	Breast milk, ice cream, rice, potato, lentil, veg, orange, egg	No		No	No	No	13,371	ACMAL_2 (runs 1 and 2)	TGATCCTCATGCG
Bgmal42	Bgmal42.s3	RUTF	Acute Phase	14.53	5.44	66	-3.4	-3.98	-4.48	milk suji, Breast milk	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	10,097	ACMAL_2 (runs 1 and 2)	ACAACTCCCGTGA
Bgmal42	Bgmal42.s4.RUTF	RUTF	RUTF	14.6	5.38	66	-3.52	-4	-4.57	RUTF, Breast milk	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	2,420	ACMAL_2 (runs 1 and 2)	CTCGGAATTAGAC

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Bgmal42	Bgmal42.s5.RUTF	RUTF	RUTF	14.67	5.6	66	-3.07	-4.02	-4.31	RUTF, Breast milk	No		No	No	No	8,490	ACMAL_2 (runs 1 and 2)	ATATACCGCTGCG
Bgmal42	Bgmal42.s6.RUTF	RUTF	RUTF	14.73	5.74	66	-2.78	-4.04	-4.14	RUTF, Breast milk	No		No	No	No	12,646	ACMAL_2 (runs 1 and 2)	CTATCGACACAAG
Bgmal42	Bgmal42.s7.RUTF	RUTF	RUTF	14.8	5.76	66.5	-2.92	-3.88	-4.13	RUTF, Breast milk	No		No	No	No	16,262	ACMAL_2 (runs 1 and 2)	CGTTCTCTTCTCG
Bgmal42	Bgmal42.s8.RUTF	RUTF	RUTF	14.83	5.84	66.5	-2.75	-3.89	-4.04	RUTF, Breast milk	No		No	No	No	14,876	ACMAL_2 (runs 1 and 2)	AGATCCCACGTAC
Bgmal42	Bgmal42.s9.RUTF	RUTF	RUTF	14.9	6.01	66.5	-2.41	-3.92	-3.84	RUTF, Breast milk	No		No	No	No	10,122	ACMAL_2 (runs 1 and 2)	CTACCGCTTCTTC
Bgmal43	Bgmal43.s3	RUTF	Acute Phase	7.1	4.73	65.3	-5.3	-1.78	-4.72	milk suji	Yes	Ciprofloxacin, Amoxicillin syrups	No	No	No	13,221	ACMAL_2 (runs 1 and 2)	CTGCGCTGAATGT
Bgmal43	Bgmal43.s4.RUTF	RUTF	RUTF	7.13	4.62	65.3	-5.54	-1.8	-4.88	RUTF	No		No	No	No	18,283	ACMAL_2 (runs 1 and 2)	ATGGAGTAGGTGG
Bgmal43	Bgmal43.s5.RUTF	RUTF	RUTF	7.2	4.66	65.3	-5.45	-1.84	-4.84	RUTF	No		No	No	No	14,916	ACMAL_2 (runs 1 and 2)	GACCGGTATGTAC
Bgmal43	Bgmal43.s6.RUTF	RUTF	RUTF	7.27	4.83	65.3	-5.09	-1.89	-4.62	RUTF	Yes	Cephradine syrup	No	No	Yes	14,919	ACMAL_2 (runs 1 and 2)	GCAAACAACAGCT
Bgmal43	Bgmal43.s7.RUTF	RUTF	RUTF	7.3	4.95	65.3	-4.83	-1.91	-4.46	RUTF	Yes	Flucloxacillin syrup	No	No	No	15,694	ACMAL_2 (runs 1 and 2)	AGCACACCTGATA
Bgmal43	Bgmal43.s8.RUTF	RUTF	RUTF	7.37	5.21	65.3	-4.26	-1.95	-4.12	RUTF	Yes	Flucloxacillin syrup	No	No	No	15,584	ACMAL_2 (runs 1 and 2)	CAGTAGCGGAAGA
Bgmal43	Bgmal43.s9.RUTF	RUTF	RUTF	7.43	5.36	65.3	-3.94	-1.99	-3.93	RUTF	Yes	Flucloxacillin syrup	No	No	No	15,931	ACMAL_2 (runs 1 and 2)	ATCCTCGAGCGAT
Bgmal43	Bgmal43.s10	RUTF	Post intervention follow-up (months) < 1	8.03	5.41	66	-4.09	-2.04	-4.03	milk suji, Khichuri, rice	No		No	No	No	12,263	ACMAL_2 (runs 1 and 2)	CACGACTGCATAA
Bgmal43	Bgmal43.s12	RUTF	Post intervention follow-up (months) 1 to 2	8.9	5.62	66.2	-3.72	-2.44	-3.97	milk suji, Khichuri, Halwa, rice, chicken, egg	No		No	No	No	13,632	ACMAL_2 (runs 1 and 2)	TACACGCGGTTTA
Bgmal43	Bgmal43.s13	RUTF	Post intervention follow-up (months) 1 to 2	9.43	5.76	66.6	-3.57	-2.56	-3.91	milk suji, Khichuri, rice, fish, egg	No		No	No	No	16,911	ACMAL_2 (runs 1 and 2)	ACGCTACAACTCG
Bgmal43	Bgmal43.s14	RUTF	Post intervention follow-up (months) 2 to 3	9.93	5.79	66.8	-3.58	-2.73	-3.98	Khichuri, rice, fish	No		No	No	No	21,671	ACMAL_2 (runs 1 and 2)	TCTCGTGAATGAC
Bgmal43	Bgmal43.s15	RUTF	Post intervention	11	5.94	67	-3.35	-3.16	-4	milk, rice, potato, leafy vegetable, eggplant, fish	Yes	Levofloxacin syrup	No	Yes	Yes	26,970	ACMAL_2 (runs 1 and 2)	CATATGACCCAGC

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
			follow-up (months) 3 to 4	follow-up (months) 3 to 4														
Bgmal43	Bgmal43.s16	RUTF	Post intervention follow-up (months) 3 to 4	11.43	6.14	67	-2.93	-3.36	-3.83	milk, rice, potato, liver, chicken, beef	No		No	No	No	30,849	ACMAL_2 (runs 1 and 2)	TACGGCGTTATGT
Bgmal43	Bgmal43.s17	RUTF	Post intervention follow-up (months) > 4	12.27	5.75	68	-4.08	-3.3	-4.46	milk, juice, rice, potato, leafy vegetable, meat, egg	No		No	No	No	34,400	ACMAL_2 (runs 1 and 2)	TGTTTCCGTGGTG
Bgmal43	Bgmal43.s18	RUTF	Post intervention follow-up (months) > 4	13.33	6.78	69.8	-2.67	-2.99	-3.4	milk, rice, potato, leafy vegetable, beans, tomato, egg yolk, fish	No		No	No	No	11,976	ACMAL_2 (runs 1 and 2)	ATATCCAAGCGCA
Bgmal44	Bgmal44.s3	RUTF	Acute Phase	7.7	4.3	58.9	-3.45	-5.08	-5.48	milk suji, Breast milk	Yes	Amoxicillin syrup	No	No	No	19,153	ACMAL_2 (runs 1 and 2)	ATTAGAGCCATGC
Bgmal44	Bgmal44.s4.RUTF	RUTF	RUTF	7.77	4.52	58.9	-2.83	-5.11	-5.19	RUTF, Breast milk	Yes	Amoxicillin syrup	No	No	No	16,685	ACMAL_2 (runs 1 and 2)	ATCGTGCGTGTTG
Bgmal44	Bgmal44.s5.RUTF	RUTF	RUTF	7.83	4.68	58.9	-2.39	-5.15	-4.98	RUTF, Breast milk	Yes	Azithromycin syrup	No	No	Yes	20,300	ACMAL_2 (runs 1 and 2)	GTTAAGACAGTCG
Bgmal44	Bgmal44.s6.RUTF	RUTF	RUTF	7.9	4.89	58.9	-1.83	-5.19	-4.71	RUTF, Breast milk	Yes	Azithromycin syrup	No	No	Yes	18,388	ACMAL_2 (runs 1 and 2)	TGCTTGAGCTTGA
Bgmal44	Bgmal44.s7.RUTF	RUTF	RUTF	7.97	4.87	59	-1.95	-5.18	-4.75	RUTF, Breast milk	Yes	Ceftazidime, Flucloxacillin injections	No	Yes	Yes	15,753	ACMAL_2 (runs 1 and 2)	GTGTGCGATAACA
Bgmal44	Bgmal44.s8.RUTF	RUTF	RUTF	8.03	4.84	59	-2.02	-5.21	-4.81	RUTF, Breast milk	Yes	Ceftazidime, Flucloxacillin injections	No	Yes	Yes	14,906	ACMAL_2 (runs 1 and 2)	CGGGACAATTACA
Bgmal44	Bgmal44.s9.RUTF	RUTF	RUTF	8.1	4.88	59	-1.92	-5.25	-4.77	RUTF, Breast milk	Yes	Ceftazidime, Flucloxacillin injections	No	No	Yes	10,476	ACMAL_2 (runs 1 and 2)	CGGAATTAGGTAC
Bgmal44	Bgmal44.s10	RUTF	Post intervention follow-up (months) < 1	8.57	4.97	60.4	-2.55	-4.87	-4.76	powdered milk, orange +juice, egg, Breast milk	No		No	No	No	13,109	ACMAL_2 (runs 1 and 2)	GCTGATCCATCTT
Bgmal44	Bgmal44.s11	RUTF	Post intervention follow-up (months) < 1	9.07	5.27	60.7	-1.98	-4.99	-4.47	powdered milk, rice, potato, Breast milk	No		No	No	No	11,437	ACMAL_2 (runs 1 and 2)	GAACGTAGGCTCT
Bgmal44	Bgmal44.s12	RUTF	Post intervention follow-up (months) 1 to 2	9.57	5.2	61	-2.31	-5.1	-4.67	powdered milk, rice, vegetable, banana, Breast milk	Yes	Levofloxacin syrup	No	No	Yes	17,513	ACMAL_2 (runs 1 and 2)	CGTGCAACCAATC
Bgmal44	Bgmal44.s13	RUTF	Post intervention follow-up (months) 1 to 2	9.97	5.22	62	-2.8	-4.85	-4.72	powdered milk, Khichuri, fruit, Breast milk	No		No	No	No	16,507	ACMAL_2 (runs 1 and 2)	CGTCGAATTTGCG
Bgmal44	Bgmal44.s14	RUTF	Post intervention follow-up (months) 2 to 3	10.6	5.6	62	-1.9	-5.14	-4.35	powdered milk, Khichuri, chicken, Breast milk	No		No	No	No	15,206	ACMAL_2 (runs 1 and 2)	GTATGCCAGAGAT

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal44	Bgmal44.s17	RUTF	Post intervention follow-up (months) > 4	13.6	6.1	65	-2.2	-5.06	-4.25	Breast milk, rice, vegetable, orange	No		No	No	No	38,935	ACMAL_2 (runs 1 and 2)	ATTGGGCCACATA
Bgmal44	Bgmal44.s18	RUTF	Post intervention follow-up (months) > 4	14	6.12	65.5	-2.36	-5	-4.29	Breast milk, rice, Khichuri, egg, fish, banana	No		No	No	No	14,589	ACMAL_2 (runs 1 and 2)	AGAGGACCAGCAA
Bgmal45	Bgmal45.s3	Khichuri-Halwa	Acute Phase	8.53	4.22	62.3	-5.36	-3.99	-5.76	milk suji	Yes	Ceftriaxone, Gentamicin injections	No	No	No	13,969	ACMAL_2 (runs 1 and 2)	GTTGCGTTAGCAG
Bgmal45	Bgmal45.s4.khich	Khichuri-Halwa	Khichuri-Halwa	8.6	4.38	62.3	-4.98	-4.03	-5.56	Khichuri-Halwa, milk suji	Yes	Ceftriaxone injection	No	No	No	14,958	ACMAL_2 (runs 1 and 2)	CTGTGAATTCGGA
Bgmal45	Bgmal45.s5.khich	Khichuri-Halwa	Khichuri-Halwa	8.67	4.23	62.3	-5.34	-4.07	-5.78	Khichuri-Halwa, milk suji 100	No		No	No	No	13,613	ACMAL_2 (runs 1 and 2)	CAGTTGAGGCATT
Bgmal45	Bgmal45.s6.khich	Khichuri-Halwa	Khichuri-Halwa	8.73	4.32	62.3	-5.12	-4.1	-5.67	Khichuri-Halwa, milk suji 100	No		No	No	No	14,295	ACMAL_2 (runs 1 and 2)	TACCCAAGCGTTA
Bgmal45	Bgmal45.s7.khich	Khichuri-Halwa	Khichuri-Halwa	8.8	4.34	62.3	-5.07	-4.14	-5.66	Khichuri-Halwa, milk suji 100	No		No	No	No	27,505	ACMAL_2 (runs 1 and 2)	ATGAACCCTATGG
Bgmal45	Bgmal45.s8.khich	Khichuri-Halwa	Khichuri-Halwa	8.87	4.39	62.3	-4.95	-4.17	-5.6	Khichuri-Halwa, milk suji 100	No		No	No	No	12,575	ACMAL_2 (runs 1 and 2)	TGTTATCGCATGG
Bgmal45	Bgmal45.s9.khich	Khichuri-Halwa	Khichuri-Halwa	8.93	4.45	62.3	-4.81	-4.21	-5.53	Khichuri-Halwa, milk suji 100	No		No	No	No	14,054	ACMAL_2 (runs 1 and 2)	ATCTGCACTGAGC
Bgmal45	Bgmal45.s10	Khichuri-Halwa	Post intervention follow-up (months) < 1	9.43	4.76	63.5	-4.58	-3.93	-5.22	powdered milk, Khichuri, Halwa	No		No	No	No	11,818	ACMAL_2 (runs 1 and 2)	ACGTGCTTAGGCT
Bgmal45	Bgmal45.s11	Khichuri-Halwa	Post intervention follow-up (months) < 1	9.9	5.25	63.6	-3.49	-4.12	-4.67	powdered milk, Khichuri, Halwa, fruit	No		No	No	No	14,110	ACMAL_2 (runs 1 and 2)	CGTCACGGACATT
Bgmal45	Bgmal45.s12	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	10.4	5.49	64.5	-3.33	-3.96	-4.46	powdered milk, rice, vegetable, banana, Breast milk	No		No	No	No	29,818	ACMAL_2 (runs 1 and 2)	CGCATCAGAGTTA
Bgmal45	Bgmal45.s13	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	10.87	5.72	65	-3.03	-3.96	-4.25	powdered milk, Khichuri, egg	Yes	Azithromycin syrup	Yes	No	Yes	20,646	ACMAL_2 (runs 1 and 2)	TCGCATTTGGATG
Bgmal45	Bgmal45.s14	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	11.47	5.92	65.8	-2.93	-3.89	-4.11	powdered milk, Khichuri, egg, fish, orange juice	No		No	No	No	15,873	ACMAL_2 (runs 1 and 2)	TGAGAGTCCACTT
Bgmal45	Bgmal45.s15	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	11.93	6.21	66.3	-2.5	-3.87	-3.84	Khichuri, Halwa, powdered milk, egg, fish	No		No	No	No	23,330	ACMAL_2 (runs 1 and 2)	AGATCTCTGGGTA
Bgmal45	Bgmal45.s16	Khichuri-Halwa	Post intervention	12.93	6.22	67.8	-3.07	-3.66	-4	Khichuri, Halwa, powdered milk, egg, fish, rice	Yes	Levofloxacin syrup	No	No	Yes	12,448	ACMAL_2 (runs 1 and 2)	GCCTACATGAGAC

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
			follow-up (months) 3 to 4 follow-up (months) 3 to 4															
Bgmal45	Bgmal45.s18	Khichuri-Halwa	Post intervention follow-up (months) > 4	14.83	6.77	70.2	-2.83	-3.4	-3.66	powdered milk, orange, rice, Khichuri, fish	No		No	No	No	10,986	ACMAL_2 (runs 1 and 2)	ATCCATCGACGTG
Bgmal46	Bgmal46.s3	Khichuri-Halwa	Acute Phase	18.43	4.7	67.8	-5.4	-4.49	-5.89	milk suji	Yes	Ceftazidime, Amikacin injections	No	No	No	13,511	ACMAL_2 (runs 1 and 2)	ACGCTGTGGATTA
Bgmal46	Bgmal46.s4.khich	Khichuri-Halwa	Khichuri-Halwa	18.5	4.69	67.8	-5.41	-4.51	-5.91	Khichuri-Halwa, milk suji	No		No	No	No	16,788	ACMAL_2 (runs 1 and 2)	CGATTATCGACGA
Bgmal46	Bgmal46.s5.khich	Khichuri-Halwa	Khichuri-Halwa	18.57	5.04	67.8	-4.74	-4.52	-5.52	Khichuri-Halwa, milk suji 100	No		No	No	No	18,144	ACMAL_2 (runs 1 and 2)	GTCATGCTCCATT
Bgmal46	Bgmal46.s6.khich	Khichuri-Halwa	Khichuri-Halwa	18.63	5.01	67.8	-4.8	-4.54	-5.56	Khichuri-Halwa, milk suji 100	No		No	No	No	18,057	ACMAL_2 (runs 1 and 2)	ACATACCGTGAGT
Bgmal46	Bgmal46.s7.khich	Khichuri-Halwa	Khichuri-Halwa	18.7	5.19	67.8	-4.45	-4.56	-5.36	Khichuri-Halwa, milk suji 100	No		No	No	No	17,218	ACMAL_2 (runs 1 and 2)	GTGCAGCAAGATT
Bgmal46	Bgmal46.s8.khich	Khichuri-Halwa	Khichuri-Halwa	18.77	5.25	67.8	-4.33	-4.58	-5.3	Khichuri-Halwa, milk suji 100	No		No	No	No	20,744	ACMAL_2 (runs 1 and 2)	CAGAGTCTTGCCA
Bgmal46	Bgmal46.s9.khich	Khichuri-Halwa	Khichuri-Halwa	18.83	5.17	67.8	-4.49	-4.59	-5.4	Khichuri-Halwa, milk suji 100	No		No	No	No	13,911	ACMAL_2 (runs 1 and 2)	AGCTCTCCGTAGA
Bgmal46	Bgmal46.s10	Khichuri-Halwa	Post intervention follow-up (months) < 1	19.3	6.05	68	-2.85	-4.64	-4.46	Khichuri, Halwa, rice, chicken	No		No	No	No	17,456	ACMAL_2 (runs 1 and 2)	TGTAGAGGTAGAG
Bgmal46	Bgmal46.s11	Khichuri-Halwa	Post intervention follow-up (months) < 1	19.8	6.37	68.3	-2.33	-4.66	-4.17	cow's milk, Khichuri, Halwa, rice, fish	No		No	No	No	15,305	ACMAL_2 (runs 1 and 2)	AGACTTCATGCGA
Bgmal46	Bgmal46.s13	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	20.93	6.86	70	-1.98	-4.37	-3.79	Khichuri, Halwa, rice, chicken, dairy products	No		No	No	No	25,869	ACMAL_2 (runs 1 and 2)	ACAACACATGCTG
Bgmal46	Bgmal46.s16	Khichuri-Halwa	Post intervention follow-up (months) 3 to 4	22.7	7.56	70.7	-1.06	-4.54	-3.29	rice, leafy vegetable, lentils, chicken, porata, fruits, biscuit	No		No	No	No	12,901	ACMAL_2 (runs 1 and 2)	CATTATCGTCCCT
Bgmal47	Bgmal47.s3	Khichuri-Halwa	Acute Phase	12.27	4.62	65	-4.76	-3.54	-5.17	milk suji	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	13,317	ACMAL_2 (runs 1 and 2)	TGATCACGAGAGG
Bgmal47	Bgmal47.s4.khich	Khichuri-Halwa	Khichuri-Halwa	12.33	4.78	65	-4.42	-3.56	-4.97	Khichuri-Halwa, milk suji	Yes	Amoxicillin syrup	No	No	No	14,334	ACMAL_2 (runs 1 and 2)	GCGCAGATTAGTA
Bgmal47	Bgmal47.s5.khich	Khichuri-Halwa	Khichuri-Halwa	12.4	4.91	65	-4.15	-3.59	-4.81	Khichuri-Halwa, milk suji 100	Yes	Amoxicillin syrup	No	No	No	15,202	ACMAL_2 (runs 1 and 2)	TCTGTCAGTGACC
Bgmal47	Bgmal47.s6.khich	Khichuri-Halwa	Khichuri-Halwa	12.47	5.19	65	-3.56	-3.61	-4.46	Khichuri-Halwa, milk suji 100	Yes	Ceftazidime injection	No	Yes	Yes	13,424	ACMAL_2 (runs 1 and 2)	AGCCTAGCCCAAT

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal47	Bgmal47.s7.khich	Khichuri-Halwa	Khichuri-Halwa	12.53	4.93	65	-4.11	-3.64	-4.81	Khichuri-Halwa, milk suji 100	Yes	Ceftazidime, Flucloxacillin injections	No	Yes	Yes	14,059	ACMAL_2 (runs 1 and 2)	TAGCTGTCAAGCT
Bgmal47	Bgmal47.s8.khich	Khichuri-Halwa	Khichuri-Halwa	12.6	5.3	65	-3.33	-3.67	-4.34	Khichuri-Halwa, milk suji 100	Yes	Ceftazidime, Flucloxacillin injections	No	No	Yes	12,787	ACMAL_2 (runs 1 and 2)	GTGGCAAATCTAG
Bgmal47	Bgmal47.s9.khich	Khichuri-Halwa	Khichuri-Halwa	12.63	5.17	65	-3.61	-3.68	-4.52	Khichuri-Halwa, milk suji 100	Yes	Ceftazidime, Flucloxacillin injections	No	No	Yes	13,988	ACMAL_2 (runs 1 and 2)	GACGCGAACTAAT
Bgmal47	Bgmal47.s15	Khichuri-Halwa	Post intervention follow-up (months) 3 to 4	15.77	6.11	67.2	-2.46	-3.94	-3.86	rice, lentils, bottle gourd, chicken, banana, biscuit	No		No	No	No	18,534	ACMAL_2 (runs 1 and 2)	ATCGTGGATAGCT
Bgmal47	Bgmal47.s16	Khichuri-Halwa	Post intervention follow-up (months) > 4	16.6	6.57	68.5	-2.03	-3.73	-3.45	Father can't mention	No		No	No	No	19,057	ACMAL_2 (runs 1 and 2)	GACTTTGCTTTGC
Bgmal47	Bgmal47.s17	Khichuri-Halwa	Post intervention follow-up (months) > 4	17.53	7.18	69	-1.15	-3.83	-2.88	rice, potatoes, leafy vegetable, lentils, carrots, fish	No		No	No	No	20,824	ACMAL_2 (runs 1 and 2)	GCTCTTCTGATCA
Bgmal47	Bgmal47.s18	Khichuri-Halwa	Post intervention follow-up (months) > 4	18.53	7.11	70.8	-1.8	-3.49	-3.14	rice, lentils, veg, milk	Yes	Levofloxacin syrup	No	Yes	Yes	8,693	ACMAL_2 (runs 1 and 2)	CATGCTGCAACAC
Bgmal48	Bgmal48.s3	RUTF	Acute Phase	16.03	6.83	72	-3.3	-3.11	-3.77	milk suji, Breast milk	Yes	Ampicillin, Gentamicin injections	No	No	No	13,635	ACMAL_2 (runs 1 and 2)	CATGTGTGTAGAC
Bgmal48	Bgmal48.s4.RUTF	RUTF	RUTF	16.1	6.93	72	-3.12	-3.13	-3.67	RUTF, Breast milk	Yes	Ceftriaxone injection	No	Yes	No	11,321	ACMAL_2 (runs 1 and 2)	CAGCAACATTGCA
Bgmal48	Bgmal48.s5.RUTF	RUTF	RUTF	16.17	7.21	72	-2.6	-3.16	-3.36	RUTF, Breast milk	Yes	Ceftriaxone injection	No	No	No	11,101	ACMAL_2 (runs 1 and 2)	CACAACACTCCGA
Bgmal48	Bgmal48.s6.RUTF	RUTF	RUTF	16.23	7.28	72	-2.48	-3.18	-3.29	RUTF, Breast milk	Yes	Azithromycin synup	No	No	Yes	5,135	ACMAL_2 (runs 1 and 2)	CGTAAATTCAGGC
Bgmal48	Bgmal48.s7.RUTF	RUTF	RUTF	16.3	7.34	72.4	-2.5	-3.04	-3.24	RUTF, breast milk	Yes	Azithromycin synup	No	No	Yes	9,426	ACMAL_2 (runs 1 and 2)	ATGGGTCCCACAT
Bgmal48	Bgmal48.s8.RUTF	RUTF	RUTF	16.37	7.39	72.4	-2.41	-3.07	-3.19	RUTF, Breast milk	Yes	Azithromycin synup	No	No	Yes	10,302	ACMAL_2 (runs 1 and 2)	CAGTTGTAGTCCG
Bgmal48	Bgmal48.s9.RUTF	RUTF	RUTF	16.43	7.51	72.4	-2.2	-3.09	-3.07	RUTF, Breast milk	No		No	No	No	9,874	ACMAL_2 (runs 1 and 2)	ATATGTGCCGGCT
Bgmal48	Bgmal48.s11	RUTF	Post intervention follow-up (months) 1 to 2	17.47	7.65	72.6	-2.02	-3.34	-3.07	Khichuri, Halwa, rice, meat, egg, fruit, dairy products, Breast milk	No		No	No	No	9,878	ACMAL_2 (runs 1 and 2)	AGCCGTAAACTTG
Bgmal48	Bgmal48.s12	RUTF	Post intervention follow-up (months) 1 to 2	17.97	7.68	73.8	-2.33	-3.05	-3.11	Khichuri, Halwa, rice, liver, egg, fish, fruit, Breast milk	No		No	No	No	18,121	ACMAL_2 (runs 1 and 2)	CATCCCTACGGAA

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal49	Bgmal49.s3	RUTF	Acute Phase	8.63	4.5	61	-4.09	-4.63	-5.41	milk suji	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	14,574	ACMAL_2 (runs 1 and 2)	CACGATTCGAGTC
Bgmal49	Bgmal49.s4.RUTF	RUTF	RUTF	8.73	4.59	61	-3.86	-4.68	-5.31	RUTF	Yes	Flucloxacillin syrup	No	No	No	13,654	ACMAL_2 (runs 1 and 2)	CGATGTATGTGGT
Bgmal49	Bgmal49.s5.RUTF	RUTF	RUTF	8.77	4.61	61	-3.81	-4.7	-5.29	RUTF	Yes	Flucloxacillin syrup	No	No	No	13,775	ACMAL_2 (runs 1 and 2)	CGAGAGCAACAGA
Bgmal5	Bgmal5.s3	RUTF	Acute Phase	10.8	4.62	63.2	-4.78	-4.71	-5.63	milk suji	Yes	Ceftriaxone, Gentamicin injections	No	No	Yes	19,402	ACMAL_1 (runs 1 and 2)	AGCATATGCACTG
Bgmal5	Bgmal5.s4.RUTF	RUTF	RUTF	10.87	4.52	63.2	na	na	na	RUTF	Yes	Ceftriaxone, Gentamicin injections	No	No	Yes	17,894	ACMAL_1 (runs 1 and 2)	CTAATACGGATCG
Bgmal5	Bgmal5.s5.RUTF	RUTF	RUTF	10.97	4.52	63.2	-5.01	-4.78	-5.79	RUTF	Yes	Ceftriaxone, Gentamicin injections	No	No	Yes	12,390	ACMAL_1 (runs 1 and 2)	ACATCCCTCTACT
Bgmal5	Bgmal5.s7.RUTF	RUTF	RUTF	11.07	4.63	63.2	-4.76	-4.83	-5.66	RUTF	No		No	No	No	10,586	ACMAL_1 (runs 1 and 2)	CTAGTATGCGCAA
Bgmal5	Bgmal5.s8.RUTF	RUTF	RUTF	11.13	4.72	63.4	-4.63	-4.77	-5.56	RUTF	No		No	No	No	19,736	ACMAL_1 (runs 1 and 2)	CAGCAGAACATCT
Bgmal5	Bgmal5.s10	RUTF	Post intervention follow-up (months) < 1	11.67	5.2	64.5	-3.98	-4.53	-5.04	milk, Khichuri, egg	No		No	No	No	23,787	ACMAL_1 (runs 1 and 2)	ACAGCTCATCAGC
Bgmal5	Bgmal5.s11	RUTF	Post intervention follow-up (months) < 1	12.17	5.75	65.2	-3.05	-4.44	-4.44	Khichuri, fish, Halwa, egg, juice	Yes	Amoxicillin syrup	No	No	Yes	22,190	ACMAL_1 (runs 1 and 2)	ACAACTCCCGTGA
Bgmal5	Bgmal5.s12	RUTF	Post intervention follow-up (months) 1 to 2	12.63	6.55	66	-1.69	-4.29	-3.55	powdered milk, Khichuri, Halwa, banana, fish, biscuit, chips	Yes	Cefradine syrup	No	Yes	No	23,942	ACMAL_1 (runs 1 and 2)	CTCGGAATTAGAC
Bgmal5	Bgmal5.s13	RUTF	Post intervention follow-up (months) 1 to 2	13.2	7.19	67.2	-0.98	-4.01	-2.87	Khichuri, Halwa, milk suji, egg, fish	Yes	Cefixime syrup	No	No	Yes	23,154	ACMAL_1 (runs 1 and 2)	CTGTGAATTCGGA
Bgmal5	Bgmal5.s14	RUTF	Post intervention follow-up (months) 2 to 3	13.73	7.19	68	-1.27	-3.88	-2.98	Khichuri, Halwa, juice	No		No	No	No	23,586	ACMAL_1 (runs 1 and 2)	GTCATGCTCCATT
Bgmal5	Bgmal5.s15	RUTF	Post intervention follow-up (months) 2 to 3	14.2	7.19	68	-1.27	-4.06	-3.06	Khichuri, Halwa, milk suji, egg, juice	No		No	No	No	19,937	ACMAL_1 (runs 1 and 2)	ACATACCGTGAGT
Bgmal5	Bgmal5.s16	RUTF	Post intervention follow-up (months) 3 to 4	15.2	7.33	68.5	-1.21	-4.2	-3.07	Khichuri	No		No	No	No	28,495	ACMAL_1 (runs 1 and 2)	TCGGGTGTTTGCT

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal5	Bgmal5.s17	RUTF	Post intervention follow-up (months) > 4	16.23	7.5	70.5	-1.61	-3.76	-3.05	milk suji, Khichuri, mango, meat, egg	No		No	No	No	31,498	ACMAL_1 (runs 1 and 2)	TATTCGGTAGTGC
Bgmal5	Bgmal5.s18	RUTF	Post intervention follow-up (months) > 4	17.1	7.97	71.5	-1.16	-3.65	-2.65	Khichuri, egg, fish, powdered milk, biscuit	No		No	No	No	11,097	ACMAL_2 (runs 1 and 2)	CAGGCTTACGTGT
Bgmal50	Bgmal50.s3	Khichuri-Halwa	Acute Phase	13.9	5.81	67.5	-3.79	-4.15	-4.64	milk suji, Breast milk	No		No	No	No	16,623	ACMAL_2 (runs 1 and 2)	CAGCTATGTATGG
Bgmal50	Bgmal50.s4.khich	Khichuri-Halwa	Khichuri-Halwa	13.97	5.95	67.5	-3.51	-4.17	-4.48	Khichuri-Halwa, Breast milk, milk suji	Yes	Amoxicillin syrup	No	No	No	19,964	ACMAL_2 (runs 1 and 2)	GTAATCGGTGCCA
Bgmal50	Bgmal50.s5.khich	Khichuri-Halwa	Khichuri-Halwa	14.03	6.03	67.5	-3.34	-4.2	-4.4	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Amoxicillin syrup	No	No	No	13,874	ACMAL_2 (runs 1 and 2)	GCACCTTACCTTA
Bgmal50	Bgmal50.s7.khich	Khichuri-Halwa	Khichuri-Halwa	14.17	6.4	68	-2.77	-4.04	-3.98	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Levofloxacin syrup	No	No	Yes	13,492	ACMAL_2 (runs 1 and 2)	TGTTAAGCTGACC
Bgmal50	Bgmal50.s8.khich	Khichuri-Halwa	Khichuri-Halwa	14.23	6.61	68	-2.35	-4.07	-3.75	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Levofloxacin syrup	No	No	Yes	14,631	ACMAL_2 (runs 1 and 2)	ACGTGATCCGCTA
Bgmal50	Bgmal50.s9.khich	Khichuri-Halwa	Khichuri-Halwa	14.3	6.71	68.2	-2.23	-4.01	-3.64	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Levofloxacin syrup	No	No	Yes	18,791	ACMAL_2 (runs 1 and 2)	TGCGAGCGAAGTA
Bgmal50	Bgmal50.s10	Khichuri-Halwa	Post intervention follow-up (months) < 1	14.8	7.96	68.2	-0.08	-4.19	-2.26	milk suji, Khichuri, rice, fish, banana, Breast milk	No		No	No	No	20,447	ACMAL_2 (runs 1 and 2)	TACTCTAGCCGGT
Bgmal50	Bgmal50.s11	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	15.27	7.4	69.5	-1.44	-3.83	-3	powdered milk, Khichuri, rice, fish	No		No	No	No	22,238	ACMAL_2 (runs 1 and 2)	GTGCACGTGATAA
Bgmal50	Bgmal50.s12	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	15.7	7.35	70	-1.7	-3.78	-3.13	powdered milk, rice, dal	No		No	No	No	16,703	ACMAL_2 (runs 1 and 2)	CGCGTCCATGAAT
Bgmal50	Bgmal50.s16	Khichuri-Halwa	Post intervention follow-up (months) 3 to 4	18.1	7.72	72	-1.72	-3.76	-3.09	rice, porata, potato, beans, lentils, grape, fish, milk suji	No		No	No	No	32,131	ACMAL_2 (runs 1 and 2)	TAGGAACCAGACG
Bgmal50	Bgmal50.s17	Khichuri-Halwa	Post intervention follow-up (months) > 4	19.33	7.96	72	-1.34	-4.09	-3.01	rice, potatoes, leafy vegetable, milk	No		No	No	No	9,716	ACMAL_2 (runs 1 and 2)	ACGCCACGTGTAT
Bgmal50	Bgmal50.s18	Khichuri-Halwa	Post intervention follow-up (months) > 4	20.33	7.91	74	-2.01	-3.63	-3.2	rice, lentils, fish, sweet potato, milk	No		No	No	No	18,495	ACMAL_2 (runs 1 and 2)	TCCACATTGGGTC
Bgmal51	Bgmal51.s3	Khichuri-Halwa	Acute Phase	14.87	6.14	70	-3.96	-3.49	-4.39	milk suji, Breast milk	Yes	Levofloxacin syrup	No	No	Yes	14,348	ACMAL_2 (runs 1 and 2)	GATCTACCGAAGC

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal51	Bgmal51.s4.khich	Khichuri-Halwa	Khichuri-Halwa	14.93	6.35	70	-3.56	-3.52	-4.16	Khichuri-Halwa, Breast milk, milk suji	Yes	Levofloxacin syrup	No	No	Yes	13,920	ACMAL_2 (runs 1 and 2)	CGGTTATTTGGCG
Bgmal51	Bgmal51.s5.khich	Khichuri-Halwa	Khichuri-Halwa	15	6.68	70	-2.94	-3.54	-3.79	Khichuri-Halwa, Breast milk, milk suji 100	No		No	mn	No	17,543	ACMAL_2 (runs 1 and 2)	TATGCCATGCCGT
Bgmal51	Bgmal51.s6.khich	Khichuri-Halwa	Khichuri-Halwa	15.07	6.77	70	-2.76	-3.56	-3.69	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Azithromycin syrup	Yes	No	No	18,931	ACMAL_2 (runs 1 and 2)	ATGGTCGCATCGT
Bgmal51	Bgmal51.s7.khich	Khichuri-Halwa	Khichuri-Halwa	15.13	6.92	70.4	-2.61	-3.43	-3.53	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Azithromycin syrup	No	No	No	11,994	ACMAL_2 (runs 1 and 2)	CTTAACCTTCCTG
Bgmal51	Bgmal51.s8.khich	Khichuri-Halwa	Khichuri-Halwa	15.2	7.24	70.4	-2.02	-3.45	-3.17	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	15,665	ACMAL_2 (runs 1 and 2)	GCACTCATCATTC
Bgmal51	Bgmal51.s9.khich	Khichuri-Halwa	Khichuri-Halwa	15.27	7.13	70.4	-2.22	-3.47	-3.31	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	20,444	ACMAL_2 (runs 1 and 2)	TACGGGTCATCAT
Bgmal51	Bgmal51.s13	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	17.23	8.83	72	-0.05	-3.5	-1.75	Breast milk, rice, poridge, potato, leafy vegetable, egg, cake	No		Yes	No	No	28,349	ACMAL_2 (runs 1 and 2)	GCTCTATTCCACC
Bgmal52	Bgmal52.s3	RUTF	Acute Phase	12.3	3.8	59.8	-5.3	-6.76	-6.85	milk suji, Breast milk	Yes	Ceftriaxone injection	No	No	Yes	18,720	ACMAL_2 (runs 1 and 2)	GACTTGGTGTAAG
Bgmal52	Bgmal52.s7.RUTF	RUTF	RUTF	12.57	4.15	60.2	-4.58	-6.68	-6.45	RUTF, Breast milk	Yes	Levofloxacin, Flucloxacillin syrups	No	No	Yes	14,627	ACMAL_2 (runs 1 and 2)	GTGTAAGACTTGG
Bgmal52	Bgmal52.s8.RUTF	RUTF	RUTF	12.63	4.22	60.2	-4.4	-6.71	-6.38	RUTF, Breast milk	Yes	Ceftazidime, Amikacin injections and Flucloxacillin syrup	No	Yes	Yes	16,149	ACMAL_2 (runs 1 and 2)	AGACTACCCGTTG
Bgmal52	Bgmal52.s9.RUTF	RUTF	RUTF	12.7	4.2	60.2	-4.45	-6.73	-6.41	RUTF, Breast milk, milk suji	Yes	Ceftazidime, Amikacin injections	No	Yes	Yes	12,773	ACMAL_2 (runs 1 and 2)	ATTGATCCGGTAG
Bgmal53	Bgmal53.s3	Khichuri-Halwa	Acute Phase	14.47	5.1	65.4	-4.54	-5.19	-5.55	milk suji, Breast milk	Yes	Ampicillin, Gentamicin injections	No	No	No	10,231	ACMAL_2 (runs 1 and 2)	AGAAACATCCCAC
Bgmal53	Bgmal53.s4.khich	Khichuri-Halwa	Khichuri-Halwa	14.53	5.18	65.4	-4.36	-5.22	-5.46	Khichuri-Halwa, Breast milk, milk suji	Yes	Ampicillin, Gentamicin injections	No	No	No	17,470	ACMAL_2 (runs 1 and 2)	ATCTTGGAGGTCA
Bgmal53	Bgmal53.s5.khich	Khichuri-Halwa	Khichuri-Halwa	14.6	5.45	65.4	-3.78	-5.24	-5.16	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Amoxicillin syrup	No	No	No	11,553	ACMAL_2 (runs 1 and 2)	ATGCCGTATGCCA
Bgmal53	Bgmal53.s6.khich	Khichuri-Halwa	Khichuri-Halwa	14.67	5.58	65.4	-3.5	-5.26	-5.01	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Levofloxacin syrup	No	No	Yes	12,055	ACMAL_2 (runs 1 and 2)	CGGTTCCATTAGG
Bgmal53	Bgmal53.s7.khich	Khichuri-Halwa	Khichuri-Halwa	14.73	5.78	65.4	-3.07	-5.28	-4.79	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Levofloxacin syrup	No	No	Yes	8,189	ACMAL_2 (runs 1 and 2)	TGCCTGTCTGCAA
Bgmal53	Bgmal53.s8.khich	Khichuri-Halwa	Khichuri-Halwa	14.8	5.92	65.4	-2.76	-5.3	-4.64	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Levofloxacin syrup	No	No	No	17,606	ACMAL_2 (runs 1 and 2)	AGGATAGCCAAGG

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal53	Bgmal53.s9.khich	Khichuri-Halwa	Khichuri-Halwa	14.87	5.79	65.4	-3.05	-5.32	-4.8	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Levofloxacin syrup	No	No	No	23,320	ACMAL_2 (runs 1 and 2)	TGTGGTCATCGTA
Bgmal54	Bgmal54.s3	RUTF	Acute Phase	10.47	5.14	64	-3.3	-3.18	-4.16	milk suji, Breast milk	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	16,257	ACMAL_2 (runs 1 and 2)	TCGGGTGTTTGCT
Bgmal54	Bgmal54.s4.RUTF	RUTF	RUTF	10.53	5.24	64	-3.09	-3.21	-4.04	RUTF, Breast milk	Yes	Amoxicillin syrup	No	No	No	7,148	ACMAL_2 (runs 1 and 2)	TCGGATCTAGTGT
Bgmal54	Bgmal54.s6.RUTF	RUTF	RUTF	10.67	5.34	64	-2.86	-3.27	-3.93	RUTF, Breast milk	Yes	Azithromycin, Ciprofloxacin syrups	Yes	Yes	No	16,451	ACMAL_2 (runs 1 and 2)	ACTGAAGGGCGAA
Bgmal54	Bgmal54.s8.RUTF	RUTF	RUTF	10.8	5.46	64.3	-2.72	-3.2	-3.8	RUTF, Breast milk	Yes	Flucloxacillin syrup	No	No	No	12,224	ACMAL_2 (runs 1 and 2)	TCGATAGGCCTTA
Bgmal54	Bgmal54.s9.RUTF	RUTF	RUTF	10.87	5.55	64.3	-2.52	-3.23	-3.69	RUTF, Breast milk	Yes	Flucloxacillin syrup	No	No	No	13,120	ACMAL_2 (runs 1 and 2)	TGCAGATTTCCAG
Bgmal54	Bgmal54.s10	RUTF	Post intervention follow-up (months) < 1	11.4	5.28	65	-3.38	-3.18	-4.15	Khichuri, suji, Breast milk	Yes	Amoxicillin syrup	No	Yes	No	21,925	ACMAL_2 (runs 1 and 2)	GAGGTGAGTTCTA
Bgmal54	Bgmal54.s12	RUTF	Post intervention follow-up (months) 1 to 2	12.3	5.59	65.3	-2.83	-3.43	-3.91	Khichuri, suji, rice, dal, Breast milk	No		No	No	No	19,075	ACMAL_2 (runs 1 and 2)	GAGGTCCAAATCA
Bgmal54	Bgmal54.s15	RUTF	Post intervention follow-up (months) 2 to 3	13.8	6.23	67.4	na	na	na	Khichuri, family food, Breast milk	No		No	No	No	21,878	ACMAL_2 (runs 1 and 2)	GCACACAAAGTCA
Bgmal55	Bgmal55.s3	Khichuri-Halwa	Acute Phase	8.33	3.73	60	-5.58	-4.92	-6.39	milk suji	No		No	No	No	10,677	ACMAL_2 (runs 1 and 2)	CTGGTTGGTTACG
Bgmal55	Bgmal55.s4.khich	Khichuri-Halwa	Khichuri-Halwa	8.4	3.86	60	-5.24	-4.96	-6.23	Khichuri-Halwa, milk suji	No		No	No	No	13,632	ACMAL_2 (runs 1 and 2)	TACTGATGGCCTC
Bgmal56	Bgmal56.s3	Khichuri-Halwa	Acute Phase	8.93	5.04	62.2	-3.35	-4.25	-4.75	milk suji	No		No	No	No	9,864	ACMAL_2 (runs 1 and 2)	CAATGACCTCGTG
Bgmal56	Bgmal56.s4.khich	Khichuri-Halwa	Khichuri-Halwa	9	5.13	62.2	-3.13	-4.29	-4.64	Khichuri-Halwa, milk suji	No		No	No	No	18,316	ACMAL_2 (runs 1 and 2)	ATTCGATGCCGCA
Bgmal56	Bgmal56.s5.khich	Khichuri-Halwa	Khichuri-Halwa	9.07	5.41	62.2	-2.44	-4.32	-4.28	Khichuri-Halwa, milk suji 100	No		No	No	No	11,076	ACMAL_2 (runs 1 and 2)	CGTGTTCCCAGAA
Bgmal56	Bgmal56.s6.khich	Khichuri-Halwa	Khichuri-Halwa	9.13	5.53	62.2	-2.16	-4.36	-4.14	Khichuri-Halwa, milk suji 100	No		No	No	No	13,924	ACMAL_2 (runs 1 and 2)	GACAGCTCAAACA
Bgmal56	Bgmal56.s7.khich	Khichuri-Halwa	Khichuri-Halwa	9.2	5.61	62.6	-2.17	-4.21	-4.05	Khichuri-Halwa, milk suji 100	No		No	No	No	17,879	ACMAL_2 (runs 1 and 2)	GAACCGCATAAGT
Bgmal56	Bgmal56.s8.khich	Khichuri-Halwa	Khichuri-Halwa	9.27	5.71	62.6	-1.95	-4.25	-3.93	Khichuri-Halwa, milk suji 100	No		No	No	No	20,186	ACMAL_2 (runs 1 and 2)	GAGATGATCAGTC

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal56	Bgmal56.s9.khich	Khichuri-Halwa	Khichuri-Halwa	9.33	5.79	62.8	-1.87	-4.19	-3.84	Khichuri-Halwa, milk suji 100	No		No	No	No	20,824	ACMAL_2 (runs 1 and 2)	TCGCTCACAGAAT
Bgmal56	Bgmal56.s10	Khichuri-Halwa	Post intervention follow-up (months) < 1	9.83	5.87	62.8	-1.69	-4.44	-3.85	lactogen, Khichuri, Halwa	No		No	No	No	15,381	ACMAL_2 (runs 1 and 2)	GTACGGATTATGG
Bgmal56	Bgmal56.s11	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	10.4	6.53	64.8	-1.24	-3.83	-3.12	lactogen, rice, dal, beef, egg	No		No	No	No	14,777	ACMAL_2 (runs 1 and 2)	TGAACGGGACGTA
Bgmal56	Bgmal56.s12	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	10.83	6.7	64.8	-0.92	-4.03	-3	powdered milk, rice, potatoes, beans, lentils, fish, orange, cake	No		No	No	No	16,333	ACMAL_2 (runs 1 and 2)	ATCCGTGGTATAG
Bgmal56	Bgmal56.s13	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	11.33	6.89	65.2	-0.73	-4.08	-2.87	milk, rice, potato, leafy vegetable, lentils, vegetable, chicken, orange, fish, cakes, biscuit, dairy products	No		No	No	No	11,476	ACMAL_2 (runs 1 and 2)	AGACGCACTAACT
Bgmal56	Bgmal56.s14	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	11.33	6.95	66.3	-1.06	-3.61	-2.79	powdered milk, rice, potato, leafy vegetable, fish, chips	No		No	No	No	12,343	ACMAL_2 (runs 1 and 2)	TCCAGACCGCTAT
Bgmal56	Bgmal56.s16	Khichuri-Halwa	Post intervention follow-up (months) > 4	13.23	7	68	-1.61	-3.69	-3.11	powdered milk, rice, potato, carrot, lentil, mango, banana, biscuit	No		No	No	No	12,633	ACMAL_2 (runs 1 and 2)	TACCCATACAGCC
Bgmal56	Bgmal56.s18	Khichuri-Halwa	Post intervention follow-up (months) > 4	16.63	7.55	71	-1.69	-3.69	-3.05	powdered milk, rice, potato, leafy vegetable, fish, ice-cream, chips	No		No	No	No	13,255	ACMAL_2 (runs 1 and 2)	GCGATGTGTGGTT
Bgmal57	Bgmal57.s3	RUTF	Acute Phase	17.27	7.21	78.5	-4.24	-1.05	-3.53	milk suji, Breast milk	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	10,877	ACMAL_2 (runs 1 and 2)	GCCGAGGTATAAT
Bgmal57	Bgmal57.s4.RUTF	RUTF	RUTF	17.33	7.23	78.5	-4.21	-1.07	-3.51	RUTF, Breast milk	Yes	Ciprofloxacin syrup	Yes	No	No	10,052	ACMAL_2 (runs 1 and 2)	AGAGCGTATCCAT
Bgmal57	Bgmal57.s5.RUTF	RUTF	RUTF	17.4	7.31	78.5	-4.08	-1.1	-3.44	RUTF, Breast milk	Yes	Ciprofloxacin syrup	Yes	No	No	14,622	ACMAL_2 (runs 1 and 2)	CGTCGTCCAAATG
Bgmal57	Bgmal57.s6.RUTF	RUTF	RUTF	17.47	7.47	78.5	-3.84	-1.12	-3.27	RUTF, Breast milk	Yes	Ciprofloxacin syrup	No	No	No	2,995	ACMAL_2 (runs 1 and 2)	CGAGACGTGTTCT
Bgmal57	Bgmal57.s7.RUTF	RUTF	RUTF	17.53	7.83	78.5	-3.28	-1.14	-2.88	RUTF, Breast milk	Yes	Ceftriaxone injection	No	Yes	Yes	3,618	ACMAL_2 (runs 1 and 2)	TCTTAGGCATGTG
Bgmal57	Bgmal57.s9.RUTF	RUTF	RUTF	17.67	8.29	78.5	-2.55	-1.19	-2.39	RUTF, Breast milk	Yes	Ceftriaxone injection	No	Yes	Yes	12,890	ACMAL_2 (runs 1 and 2)	GATAACATGTGCG
Bgmal57	Bgmal57.s11	RUTF	Post intervention follow-up (months) 1 to 2	18.63	8.39	79.3	-2.58	-1.22	-2.44	Breast milk, rice, dal, potato, fish, leafy vegetable, egg, vegetable, fruits	No		No	No	No	13,835	ACMAL_2 (runs 1 and 2)	GCAAAGCGGTATT

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal57	Bgmal57.s12	RUTF	Post intervention follow-up (months) 2 to 3	19.13	8.32	79.5	-2.74	-1.31	-2.59	Breast milk, juice, rice, potato, dal, tomato, bean, coliflower, egg, fish	No		No	No	No	12,415	ACMAL_2 (runs 1 and 2)	GATTGAGTGAGTC
Bgmal57	Bgmal57.s13	RUTF	Post intervention follow-up (months) 2 to 3	19.63	7.8	79.8	-3.6	-1.36	-3.22	Breast milk, cow's milk, banana, cake	Yes	Amoxicillin syrup	No	Yes	Yes	10,286	ACMAL_2 (runs 1 and 2)	CTAATGCCCAGGT
Bgmal57	Bgmal57.s15	RUTF	Post intervention follow-up (months) 3 to 4	20.6	9.17	80.2	-1.65	-1.51	-1.94	cow's milk, rice, leafy vegetable, dal, egg, fish, intestine, tomato, malta, cake	No		No	No	Yes	12,464	ACMAL_2 (runs 1 and 2)	AGCCAAGGATAGG
Bgmal57	Bgmal57.s16	RUTF	Post intervention follow-up (months) > 4	21.6	9.35	81	-1.59	-1.52	-1.92	cow's milk, orange juice, rice, leafy vegetable, meat	No		No	No	No	10,417	ACMAL_2 (runs 1 and 2)	CGCTAGTTATGGA
Bgmal57	Bgmal57.s18	RUTF	Post intervention follow-up (months) > 4	23.67	9.56	83	-1.79	-1.4	-2.01	Breast milk, rice, dal, leafy vegetable, fish, fruit, cake	No		No	No	No	9,996	ACMAL_2 (runs 1 and 2)	CGCAACCGATTGT
Bgmal58	Bgmal58.s3	RUTF	Acute Phase	11	4.61	62	-4.29	-5.31	-5.68	milk suji, Breast milk	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	20,854	ACMAL_2 (runs 1 and 2)	TATTCGGTAGTGC
Bgmal58	Bgmal58.s4.RUTF	RUTF	RUTF	11.07	4.67	62	-4.15	-5.34	-5.61	RUTF, Breast milk	Yes	Amoxicillin syrup	No	No	No	10,269	ACMAL_2 (runs 1 and 2)	ACAACGTGCTCCA
Bgmal58	Bgmal58.s6.RUTF	RUTF	RUTF	11.2	4.99	62	-3.37	-5.4	-5.23	RUTF, Breast milk	Yes	Levofloxacin syrup	No	No	Yes	11,603	ACMAL_2 (runs 1 and 2)	CGTAATGCGTAAC
Bgmal58	Bgmal58.s7.RUTF	RUTF	RUTF	11.27	5.3	62	-2.61	-5.43	-4.85	RUTF, Breast milk	Yes	Levofloxacin syrup, Ceftazidime injection	No	No	Yes	5,074	ACMAL_2 (runs 1 and 2)	TGTTCGGTGTCCA
Bgmal58	Bgmal58.s8.RUTF	RUTF	RUTF	11.33	5.49	62	-2.15	-5.45	-4.62	RUTF, Breast milk	Yes	Levofloxacin syrup, Ceftazidime injection	No	No	Yes	4,206	ACMAL_2 (runs 1 and 2)	ACCTGTCCTATCT
Bgmal58	Bgmal58.s9	RUTF	Post intervention follow-up (months) < 1	11.4	5.79	63	-1.96	-5.05	-4.26	milk suji, Khichuri, Halwa, Breast milk	Yes	Levofloxacin syrup, Ceftazidime injection	No	No	Yes	13,470	ACMAL_2 (runs 1 and 2)	TACCGTGCTCACA
Bgmal58	Bgmal58.s18	RUTF	Post intervention follow-up (months) > 4	18.6	6.45	67.3	-2.4	-5.63	-4.53	Breast milk, cow's milk, rice, vegetable, dal, fish, coconut	No		No	No	No	10,182	ACMAL_2 (runs 1 and 2)	CGTACTGAAGATC
Bgmal59	Bgmal59.s3	RUTF	Acute Phase	14.7	5.91	70.5	-4.54	-3.23	-4.63	milk suji, Breast milk	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	17,204	ACMAL_2 (runs 1 and 2)	TACGTGTAGGCTT
Bgmal59	Bgmal59.s4.RUTF	RUTF	RUTF	14.77	6.04	70.5	-4.29	-3.26	-4.49	RUTF, Breast milk	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	5,968	ACMAL_2 (runs 1 and 2)	CGGTTTAACACGC
Bgmal59	Bgmal59.s5.RUTF	RUTF	RUTF	14.83	6.27	70.5	-3.87	-3.28	-4.24	RUTF, Breast milk	Yes	Amoxicillin syrup, Gentamicin injection	No	No	No	12,515	ACMAL_2 (runs 1 and 2)	GCTCCCTTTGTGT
Bgmal59	Bgmal59.s6.RUTF	RUTF	RUTF	14.9	6.66	70.5	-3.14	-3.3	-3.79	RUTF, Breast milk	No		No	No	No	3,753	ACMAL_2 (runs 1 and 2)	TGGTCTCCTACAG

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal59	Bgmal59.s7.RUTF	RUTF	RUTF	14.97	6.88	70.6	-2.75	-3.29	-3.55	RUTF, Breast milk	No		No	No	No	2,598	ACMAL_2 (runs 1 and 2)	GATAGCGAACTCA
Bgmal59	Bgmal59.s8	RUTF	Post intervention follow-up (months) < 1	15.03	6.93	70.6	-2.66	-3.31	-3.5	milk suji, Khichuri, Halwa, Breast milk	No		No	No	No	19,337	ACMAL_2 (runs 1 and 2)	TCTACACAGCACA
Bgmal59	Bgmal59.s9	RUTF	Post intervention follow-up (months) < 1	15.07	6.96	70.6	-2.6	-3.32	-3.47	milk suji, Khichuri, Halwa, Breast milk	No		No	No	No	20,825	ACMAL_2 (runs 1 and 2)	GCTTGAGAAATCG
Bgmal59	Bgmal59.s18	RUTF	Post intervention follow-up (months) > 4	21.03	8.38	75	-1.55	-3.46	-2.81	Breast milk, rice, potato, dal, biscuit	No		No	No	No	12,865	ACMAL_2 (runs 1 and 2)	GTCAGTCAGATGA
Bgmal6	Bgmal6.s3	RUTF	Acute Phase	11.63	4.92	63	-4	-5.15	-5.38	milk suji	No		No	No	No	15,483	ACMAL_1 (runs 1 and 2)	ATATACCGCTGCG
Bgmal6	Bgmal6.s4.RUTF	RUTF	RUTF	11.7	4.83	63	-4.21	-5.18	-5.51	RUTF	No		No	No	No	15,693	ACMAL_1 (runs 1 and 2)	CTATCGACACAAG
Bgmal6	Bgmal6.s5.RUTF	RUTF	RUTF	11.77	4.91	63	-4.02	-5.2	-5.42	RUTF	No		No	No	No	12,777	ACMAL_1 (runs 1 and 2)	CTGCGCTGAATGT
Bgmal6	Bgmal6.s6.RUTF	RUTF	RUTF	11.8	4.97	63	-3.88	-5.22	-5.35	RUTF	No		No	No	No	24,522	ACMAL_1 (runs 1 and 2)	ATGGAGTAGGTGG
Bgmal6	Bgmal6.s7.RUTF	RUTF	RUTF	11.87	5.14	63	-3.48	-5.24	-5.15	RUTF	No		No	No	No	22,077	ACMAL_1 (runs 1 and 2)	GACCGGTATGTAC
Bgmal6	Bgmal6.s8.RUTF	RUTF	RUTF	11.93	5.21	63	-3.32	-5.27	-5.07	RUTF	No		No	No	No	23,619	ACMAL_1 (runs 1 and 2)	GCAAACAACAGCT
Bgmal60[1]	Bgmal60.s1	Khichuri-Halwa	Acute Phase - Pre Antibiotics	8.47	5	59	na	na	na	powdered milk	No		Yes	No	No	20,356	ACMAL_2 (runs 1 and 2)	GAACCAAACTCGA
Bgmal60	Bgmal60.s3	Khichuri-Halwa	Acute Phase - First Antibiotic	8.83	5.18	59	na	na	na	milk suji	No		No	No	No	15,394	ACMAL_2 (runs 1 and 2)	GAGCTGCACCTAA
Bgmal60	Bgmal60.s5.khich	Khichuri-Halwa	Khichuri-Halwa	8.97	5.22	59	na	na	na	Khichuri-Halwa, milk suji	Yes	Ceftriaxone injection, Levofloxacin syrup	No	No	Yes	11,704	ACMAL_2 (runs 1 and 2)	CGAAATGCTACGT
Bgmal60	Bgmal60.s6.khich	Khichuri-Halwa	Khichuri-Halwa	9.03	5.45	59	na	na	na	Khichuri-Halwa, milk suji	Yes	Ceftriaxone injection, Levofloxacin syrup	No	No	Yes	14,776	ACMAL_2 (runs 1 and 2)	ACGGATAACCTCC
Bgmal60	Bgmal60.s7.khich	Khichuri-Halwa	Khichuri-Halwa	9.1	5.54	60	-0.95	-5.32	-4.12	Khichuri-Halwa, milk suji	Yes	Ceftazidime, Amikacin injections	No	No	Yes	13,688	ACMAL_2 (runs 1 and 2)	CTAACGCTGTGTG
Bgmal60	Bgmal60.s8.khich	Khichuri-Halwa	Khichuri-Halwa	9.17	5.68	60	-0.64	-5.35	-3.95	Khichuri-Halwa, milk suji	Yes	Ceftazidime, Amikacin injections	No	No	Yes	14,727	ACMAL_2 (runs 1 and 2)	CACTGACTTAAGG
Bgmal60	Bgmal60.s9.khich	Khichuri-Halwa	Khichuri-Halwa - Last Antibiotic	9.23	5.8	60	-0.39	-5.39	-3.81	Khichuri-Halwa, milk suji	Yes	Ceftazidime, Amikacin injections	No	No	Yes	11,018	ACMAL_2 (runs 1 and 2)	CGTCTTCAGCAAG

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal60	Bgmal60.s10	Khichuri-Halwa	Post intervention follow-up (months) < 1	9.7	6.67	61	0.75	-5.17	-2.77	powdered milk, Khichuri, Halwa	No		No	No	No	20,355	ACMAL_2 (runs 1 and 2)	CGGAATCCGATTA
Bgmal60	Bgmal60.s11	Khichuri-Halwa	Post intervention follow-up (months) < 1	10.2	7.12	61.6	1.22	-5.14	-2.31	powdered milk, rice, potato, dal, leafy vegetable, egg	No		No	No	No	12,189	ACMAL_2 (runs 1 and 2)	CGGCGATTTACGT
Bgmal60	Bgmal60.s12	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	10.7	7.17	62.4	0.94	-5.01	-2.36	powdered milk, Khichuri, rice, potato, leafy vegetable, fish	No		No	No	No	12,807	ACMAL_2 (runs 1 and 2)	GAGCTCTAGAAAC
Bgmal60	Bgmal60.s17	Khichuri-Halwa	Post intervention follow-up (months) > 4	14.2	9.01	69	1.13	-3.65	-1.03	powdered milk, rice, potato, leafy vegetable, dal, fish	No		No	No	No	12,034	ACMAL_2 (runs 1 and 2)	GAATAGCATGTCG
Bgmal60	Bgmal60.s18	Khichuri-Halwa	Post intervention follow-up (months) > 4	15.13	8.55	71	-0.14	-3.19	-1.68	rice, poridge, potato, dal, fish	No		No	No	No	14,102	ACMAL_2 (runs 1 and 2)	GCAGATTAACCAG
Bgmal61	Bgmal61.s3	RUTF	Acute Phase	14.2	5.65	68.5	na	na	na	milk suji, Breast milk	Yes	Ampicillin, Gentamicin injections	No	No	No	16,354	ACMAL_2 (runs 1 and 2)	CAGCGTAATTAGC
Bgmal61	Bgmal61.s4.RUTF	RUTF	RUTF	14.27	5.52	68.5	na	na	na	RUTF, Breast milk	Yes	Amoxicillin syrup	No	No	Yes	14,021	ACMAL_2 (runs 1 and 2)	AGATGCTGCCGTT
Bgmal61	Bgmal61.s5.RUTF	RUTF	RUTF	14.33	5.32	68.5	-5.09	-3.9	-5.27	RUTF, Breast milk	Yes	Ceftriaxone injection, Levofloxacin syrup	No	No	Yes	6,130	ACMAL_2 (runs 1 and 2)	TCCTTGACCGATG
Bgmal61	Bgmal61.s6.RUTF	RUTF	RUTF	14.4	5.34	68.5	-5.05	-3.93	-5.26	RUTF, Breast milk	Yes	Ceftriaxone injection, Levofloxacin syrup	No	No	Yes	6,097	ACMAL_2 (runs 1 and 2)	AGCCGTCTCGTAA
Bgmal61	Bgmal61.s8.RUTF	RUTF	RUTF	14.53	6.02	69	-3.87	-3.77	-4.48	RUTF, Breast milk	Yes	Ceftazidime injection, Levofloxacin syrup	No	No	Yes	13,237	ACMAL_2 (runs 1 and 2)	ATCTGAGGTTGCC
Bgmal61	Bgmal61.s10	RUTF	Post intervention follow-up (months) < 1	15.07	6.95	69.5	-2.24	-3.76	-3.49	Khichuri, rice, beef, fish, Breast milk	Yes	Ciprofloxacin syrup	Yes	No	No	12,526	ACMAL_2 (runs 1 and 2)	GTTCTCCATCACA
Bgmal7	Bgmal7.s3	RUTF	Acute Phase	10.23	4.16	60	-3.92	-4.69	-5.45	milk suji, Breast milk	No		No	No	No	20,261	ACMAL_1 (runs 1 and 2)	CAGTTGAGGCATT
Bgmal7	Bgmal7.s4.RUTF	RUTF	RUTF	10.3	4.12	60	-4.02	-4.72	-5.51	RUTF, Breast milk	No		No	No	No	29,944	ACMAL_1 (runs 1 and 2)	AGATTCCGGCTCA
Bgmal7	Bgmal7.s5.RUTF	RUTF	RUTF	10.37	4.11	60	-4.05	-4.75	-5.54	RUTF, Breast milk	No		No	No	No	19,609	ACMAL_1 (runs 1 and 2)	CATGGCTGTCAGT
Bgmal7	Bgmal7.s6.RUTF	RUTF	RUTF	10.43	4.3	60	-3.57	-4.77	-5.29	RUTF, Breast milk	No		No	Yes	No	20,797	ACMAL_1 (runs 1 and 2)	CTTGGCTCTATTC
Bgmal7	Bgmal7.s7.RUTF	RUTF	RUTF	10.5	4.37	60.8	-3.76	-4.48	-5.21	RUTF, Breast milk	No		No	No	No	28,566	ACMAL_1 (runs 1 and 2)	GAATTGTGTCGGA

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgma17	Bgmal7.s8.RUTF	RUTF	RUTF	10.57	4.39	60.8	-3.71	-4.51	-5.19	RUTF, Breast milk	No		No	No	No	22,204	ACMAL_1 (runs 1 and 2)	AGCAACACCATCC
Bgma17	Bgmal7.s9.RUTF	RUTF	RUTF	10.63	4.43	60.8	-3.62	-4.53	-5.15	RUTF, Breast milk	No		No	No	No	22,125	ACMAL_1 (runs 1 and 2)	ATACGAGCCCTAA
Bgma17	Bgmal7.s10	RUTF	Post intervention follow-up (months) < 1	11.1	5.09	61.5	-2.34	-4.45	-4.35	rice, leafy vegetable, meat, egg, Breast milk	No		No	No	No	25,012	ACMAL_1 (runs 1 and 2)	TCATTCGTGGCGT
Bgma17	Bgmal7.s11	RUTF	Post intervention follow-up (months) < 1	11.63	5.26	61.5	-1.95	-4.66	-4.22	rice, leafy vegetable, meat, egg, fish, Breast milk	No		No	No	No	20,914	ACMAL_1 (runs 1 and 2)	CACAATAGACACC
Bgma17	Bgmal7.s12	RUTF	Post intervention follow-up (months) 1 to 2	12.17	5.2	61.5	-2.09	-4.86	-4.4	Khichuri, meat, egg, fish, Breast milk	No		No	No	No	20,278	ACMAL_1 (runs 1 and 2)	GTGCAGCAAGATT
Bgma17	Bgmal7.s13	RUTF	Post intervention follow-up (months) 1 to 2	12.67	5.55	62	-1.56	-4.84	-4.03	Khichuri, meat, egg, Breast milk	No		No	No	No	17,301	ACMAL_1 (runs 1 and 2)	CAGAGTCTTGCCA
Bgma17	Bgmal7.s14	RUTF	Post intervention follow-up (months) 3 to 4	13.13	5.86	63	-1.36	-4.63	-3.72	Khichuri, egg, fish, fruit, biscuit, Breast milk	No		No	No	No	21,303	ACMAL_1 (runs 1 and 2)	TGATCACGAGAGG
Bgma17	Bgmal7.s15	RUTF	Post intervention follow-up (months) 3 to 4	13.67	5.46	63.5	-2.39	-4.62	-4.32	Khichuri, egg, fish, fruit, Breast milk	No		No	No	No	26,781	ACMAL_1 (runs 1 and 2)	TCGGATCTAGTGT
Bgma18	Bgmal8.s3	Khichuri-Halwa	Acute Phase	17.83	6.48	72.2	-3.29	-2.8	-3.76	milk suji, Breast milk	No		No	No	No	26,936	ACMAL_1 (runs 1 and 2)	ACGTAATTGCCGC
Bgma18	Bgmal8.s4.khich	Khichuri-Halwa	Khichuri-Halwa	17.9	6.76	72.2	-2.8	-2.82	-3.44	Khichuri-Halwa, Breast milk, milk suji	No		No	No	No	22,663	ACMAL_1 (runs 1 and 2)	CGTTCTCTTCTCG
Bgma18	Bgmal8.s5.khich	Khichuri-Halwa	Khichuri-Halwa	17.97	6.77	72.2	-2.78	-2.84	-3.44	Khichuri-Halwa, Breast milk, milk suji 100	No		Yes	No	No	27,392	ACMAL_1 (runs 1 and 2)	AGATCCCACGTAC
Bgma18	Bgmal8.s6.khich	Khichuri-Halwa	Khichuri-Halwa	18.03	6.78	72.2	-2.76	-2.86	-3.44	Khichuri-Halwa, Breast milk, milk suji 100	Yes	Ciprofloxacin syrup	Yes	No	No	18,269	ACMAL_1 (runs 1 and 2)	CTACCGCTTCTTC
Bgma18	Bgmal8.s8.khich	Khichuri-Halwa	Khichuri-Halwa	18.17	6.97	72.6	-2.54	-2.76	-3.24	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	24,938	ACMAL_1 (runs 1 and 2)	CAGTAGCGGAAGA
Bgma18	Bgmal8.s9.khich	Khichuri-Halwa	Khichuri-Halwa	18.23	7.02	72.6	-2.46	-2.78	-3.19	Khichuri-Halwa, Breast milk, milk suji 100	No		No	No	No	25,421	ACMAL_1 (runs 1 and 2)	ATCCTCGAGCGAT
Bgma18	Bgmal8.s10	Khichuri-Halwa	Post intervention follow-up (months) < 1	18.73	6.85	72.6	-2.75	-2.93	-3.47	rice, dal, biscuit, milk, Breast milk	Yes	Cefradine syrup	Yes	No	No	25,150	ACMAL_1 (runs 1 and 2)	ATTAGAGCCATGC

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Bgmal8	Bgmal8.s11	Khichuri-Halwa	Post intervention follow-up (months) < 1	19.3	7.01	72.8	-2.53	-3.02	-3.38	rice, egg, banana, biscuit, milk, Breast milk	No		No	No	No	13,159	ACMAL_1 (runs 1 and 2)	GCGCAGATTAGTA
Bgmal8	Bgmal8.s12	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	19.8	7.22	73	-2.23	-3.09	-3.22	Halwa, Khichuri, egg, fish, milk, Breast milk	No		No	No	No	25,416	ACMAL_1 (runs 1 and 2)	TCTGTCAGTGACC
Bgmal8	Bgmal8.s13	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	20.3	7.05	73	-2.52	-3.22	-3.49	rice, potato, egg, fish, tomato, Breast milk	Yes	Ciprofloxacin syrup	Yes	No	No	29,530	ACMAL_1 (runs 1 and 2)	ATCTTGGAGGTCA
Bgmal9	Bgmal9.s3	RUTF	Acute Phase	11.2	4.21	59	-3.31	-5.48	-5.54	milk suji, Breast milk	Yes	Amoxicillin syrup	No	No	No	30,030	ACMAL_1 (runs 1 and 2)	ATCGTGCGTGTTG
Bgmal9	Bgmal9.s4.RUTF	RUTF	RUTF	11.27	4.27	59	-3.15	-5.5	-5.47	RUTF, Breast milk	No		No	No	No	23,767	ACMAL_1 (runs 1 and 2)	GTTAAGACAGTCG
Bgmal9	Bgmal9.s5.RUTF	RUTF	RUTF	11.33	4.31	59	-3.05	-5.53	-5.43	RUTF, Breast milk	No		No	No	No	28,856	ACMAL_1 (runs 1 and 2)	TGCTTGAGCTTGA
Bgmal9	Bgmal9.s6.RUTF	RUTF	RUTF	11.4	4.36	59	-2.91	-5.55	-5.37	RUTF, Breast milk	No		No	Yes	No	26,168	ACMAL_1 (runs 1 and 2)	GTGTGCGATAACA
Bgmal9	Bgmal9.s7.RUTF	RUTF	RUTF	11.47	4.45	60	-3.19	-5.18	-5.26	RUTF, Breast milk	Yes	Flucloxacillin injection	No	Yes	No	17,419	ACMAL_1 (runs 1 and 2)	CGCGACAATTACA
Bgmal62[1]	Bgmal62.s1	RUTF	Acute Phase - Pre Antibiotics	7.3	5.16	62.8	-3.34	-3.05	-4.17	rice, powdered milk, potato, banana, spinach, lentil	No		No	Yes	No	96,590	9	ACGGAGTAATCCT
Bgmal62	Bgmal62.s3	RUTF	Acute Phase - First Antibiotic	7.33	5.09	62.8	-3.51	-3.08	-4.28	milk suji, potato	Yes	Amoxicillin syrup	No	Yes	No	46,782	9	CAAGTCACACACA
Bgmal62	Bgmal62.s4.RUTF	RUTF	RUTF	7.43	5.17	62.8	-3.32	-3.14	-4.20	RUTF	Yes	Amoxicillin syrup	No	Yes	No	72,371	9	TGGCTGCATACTC
Bgmal62	Bgmal62.s5.RUTF	RUTF	RUTF	7.5	5.31	62.8	-2.99	-3.18	-4.02	RUTF	Yes	Amoxicillin syrup	No	Yes	No	67,393	9	CGTTCCTCCATTA
Bgmal62	Bgmal62.s6.RUTF	RUTF	RUTF	7.57	5.35	62.8	-2.89	-3.22	-3.98	RUTF	Yes	Levofloxacin syrup	No	No	No	70,524	9	CGCTATCAAGACA
Bgmal62	Bgmal62.s7.RUTF	RUTF	RUTF	7.63	5.28	63	-3.15	-3.16	-4.10	RUTF	Yes	Levofloxacin syrup	No	No	No	64,030	9	TGCATTCGGCGTT
Bgmal62	Bgmal62.s8.RUTF	RUTF	RUTF	7.7	5.4	63	-2.87	-3.20	-3.95	RUTF	Yes	Levofloxacin syrup	No	No	No	66,656	9	GCAGTCGTTAAGA
Bgmal62	Bgmal62.s9.RUTF	RUTF	RUTF - Last Antibiotic	7.77	5.42	63	-2.82	-3.24	-3.94	RUTF	No		No	Yes	No	71,719	9	CAACTGCGATATG
Bgmal62	Bgmal62.s10	RUTF	Post intervention follow-up (months) < 1	8.3	5.46	64	-3.44	-3.10	-4.03	rice, potato, spinach, lentil	No		No	No	No	85,423	9	TCTGTGTCCATGG
Bgmal62	Bgmal62.s12	RUTF	Post intervention follow-up (months) 1 to 2	9.37	5.89	65.3	-2.98	-3.10	-3.72	rice, lentil, pumpkin, potato, chicken, fish	No		No	No	No	87,344	9	CGCTGTGATTCGA
Bgmal63	Bgmal63.s3	Khichuri-Halwa	Acute Phase	8.47	5.63	64.5	-3.02	-2.97	-3.85	Breast Milk, milksuzi, carrot, rice	Yes	Ampicillin, Gentamicin injections	No	Yes	No	88,950	9	CTTGGTAAAGTGC
Bgmal63	Bgmal63.s4.khich	Khichuri-Halwa	Khichuri-Halwa	8.53	5.92	64.5	-2.37	-3.00	-3.47	Khichuri, Halwa, milk suji	No		No	Yes	No	72,093	9	TACCTGTCCTTTC

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal63	Bgmal63.s5.khich	Khichuri-Halwa	Khichuri-Halwa	8.6	5.96	64.5	-2.28	-3.04	-3.44	Breast Milk, milk suji 100, Khichuri, Halwa	No		No	Yes	No	39,181	9	ACCGTGACAACTC
Bgmal63	Bgmal63.s6.khich	Khichuri-Halwa	Khichuri-Halwa	8.67	6.15	64.5	-1.87	-3.08	-3.20	Breast Milk, milk suji 100, Khichuri, Halwa	No		No	Yes	No	80,427	9	ACGCCATTGTGCA
Bgmal63	Bgmal63.s7.khich	Khichuri-Halwa	Khichuri-Halwa	8.73	6.19	65	-2.01	-2.89	-3.16	Breast Milk, milk suji 100, Khichuri, Halwa	No		No	No	No	86,923	9	GCTACGAAAGCCT
Bgmal63	Bgmal63.s8.khich	Khichuri-Halwa	Khichuri-Halwa	8.8	6.39	65	-1.6	-2.93	-2.91	Breast Milk, milk suji 100, Khichuri, Halwa	No		No	No	No	84,596	9	GCTTCCAACTCAT
Bgmal63	Bgmal63.s9.khich	Khichuri-Halwa	Khichuri-Halwa	8.87	6.46	65.3	-1.59	-2.83	-2.83	Breast Milk, milk suji 100, Khichuri, Halwa	No		No	No	No	81,496	9	ACTTCGCGGATGT
Bgmal63	Bgmal63.s10	Khichuri-Halwa	Post intervention follow-up (months) < 1	9.3	6.13	66	-2.55	-2.75	-3.39	Breast Milk, milk suji	No		No	Yes	Yes	80,676	9	ACTAGCTATGGAC
Bgmal63	Bgmal63.s11	Khichuri-Halwa	Post intervention follow-up (months) < 1	9.8	5.88	66.3	-3.21	-2.88	-3.83	Breast Milk, leafy vegetable, lentil, rice, pumpkin, potato	No		No	No	No	77,351	9	GAAGTGGCTATCC
Bgmal63	Bgmal63.s13	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	10.87	5.95	61	-3.36	-5.69	-3.96	chicken, rice, lentil, Breast Milk	No		No	No	No	65,729	9	AGTTCACGCCCAA
Bgmal63	Bgmal63.s14	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	11.33	5.92	67	-3.39	-3.32	-4.09	lentil, rice, lentil, leafy vegetables, Breast Milk	No		No	No	No	65,027	9	GCGTTCCTTGTTA
Bgmal63	Bgmal63.s15	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	11.8	6.12	67	-2.98	-3.52	-3.92	Breast Milk, Halwa, rice, potato, lentil, pumpkin	No		No	No	No	75,746	9	GTCCAACTGCAGA
Bgmal63	Bgmal63.s16	Khichuri-Halwa	Post intervention follow-up (months) > 4	12.93	6.22	68	-3.14	-3.58	-4.00	Breast Milk, rice, lentil, fish, egg	No		No	No	No	84,444	9	CATAATTGCCGAG
Bgmal63	Bgmal63.s17	Khichuri-Halwa	Post intervention follow-up (months) > 4	14	6.02	68.5	-3.71	-3.78	-4.41	Breast Milk, rice, lentil, tomato, fish, egg, Khichuri	No		No	No	No	77,368	9	AGAGATCGCCTAT
Bgmal63	Bgmal63.s18	Khichuri-Halwa	Post intervention follow-up (months) > 4	14.73	5.83	69.5	-4.39	-3.64	-4.73	Breast Milk, rice, lentil, fish, potato, chicken	Yes	Amoxicillin syrup	No	No	No	81,112	9	CATAGGCTGTAGT
Bgmal64	Bgmal64.s3	Khichuri-Halwa	Acute Phase	11.16	5.5	65.5	-3.1	-2.89	-3.82	milk suji, Breast Milk	Yes	Amoxicillin syrup	No	No	No	83,300	9	GCTTGACGAGGTT
Bgmal64	Bgmal64.s4.khich	Khichuri-Halwa	Khichuri-Halwa	11.23	5.82	65.5	-2.42	-2.92	-3.40	milk suji, Khichuri, Halwa, Breast Milk	Yes	Amoxicillin syrup	No	No	No	74,130	9	CAACCGATGTACC
Bgmal64	Bgmal64.s5.khich	Khichuri-Halwa	Khichuri-Halwa	11.3	6.15	65.5	-1.77	-2.95	-2.98	milk suji 100, Khichuri, Halwa, Breast Milk	No		No	No	No	72,871	9	GCGATCGAACACT
Bgmal64	Bgmal64.s6.khich	Khichuri-Halwa	Khichuri-Halwa	11.36	6.16	65.5	-1.77	-2.97	-2.98	milk suji 100, Khichuri, Halwa, Breast Milk	No		No	No	No	84,934	9	CGGAATTATCGGT
Bgmal64	Bgmal64.s7.khich	Khichuri-Halwa	Khichuri-Halwa	11.43	6.37	66	-1.55	-2.80	-2.70	milk suji 100, Khichuri, Halwa, Breast Milk	No		No	No	No	98,690	9	CTAAAGACCCGTA

Child ID	Fecal Sample ID	Food Intervention Assignment	Phase of Study	Age of child at time of fecal sample collection (months)	Weight, kg	Height, cm	Weight-for-Height Z score (WHZ)	Height-for-Age Z score (HAZ)	Weight-for-age Z score (WAZ)	24 hour Dietary Recall	Antibiotics	Antibiotic type2	Diarrhea	Fever	Cough	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
Bgmal64	Bgmal64.s8.khich	Khichuri-Halwa	Khichuri-Halwa	11.5	6.13	66	-2	-2.83	-3.05	milk suji 100, Khichuri, Halwa, Breast Milk	No		No	No	No	89,871	9	TGGCATGTTATCG
Bgmal64	Bgmal64.s9.khich	Khichuri-Halwa	Khichuri-Halwa	11.57	6.08	66	-2.09	-2.86	-3.13	milk suji 100, Khichuri, Halwa, Breast Milk	No		No	No	No	69,384	9	ATGTACATCGCCG
Bgmal64	Bgmal64.s10	Khichuri-Halwa	Post intervention follow-up (months) < 1	12	5.67	66	-2.93	-3.04	-3.75	Breast Milk, rice, potato, lentil, peas	No		Yes	No	No	83,513	9	ATGTGTAGCCATG
Bgmal64	Bgmal64.s12	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	13.03	6.35	67	-1.33	-3.07	-3.07	Breast Milk, sweet potato, rice, lentil, pumpkin, Khichuri, rice cake	No		No	No	No	76,498	9	GACCTGGGAATAT
Bgmal64	Bgmal64.s13	Khichuri-Halwa	Post intervention follow-up (months) 1 to 2	13.53	6.41	67.5	-1.99	-3.07	-3.10	Breast Milk, rice cake, chicken, lentil, banana, sinach, potato	No		No	No	No	59,461	9	ATCCCTTGTCTCC
Bgmal64	Bgmal64.s14	Khichuri-Halwa	Post intervention follow-up (months) 2 to 3	14	6.85	67.8	-1.32	-3.12	-2.62	Breast Milk, rice, lentil, spinach, pumpkin, sweet potato, carrot	No		No	No	No	71,965	9	ATGCATACACTGG
Bgmal64	Bgmal64.s15	Khichuri-Halwa	Post intervention follow-up (months) 3 to 4	14.53	6.72	68.5	-1.76	-3.05	-2.89	Breast Milk, Halwa, rice, potato, lentil, apple, fish	No		No	No	No	83,613	9	AGCGATATATCGC
Bgmal64	Bgmal64.s16	Khichuri-Halwa	Post intervention follow-up (months) 3 to 4	15.43	6.9	69	-1.61	-3.18	-2.84	Breast Milk, Cow's milk	No		No	No	No	62,390	9	GCACTACGCTAGA

[1] All these children with SAM began their courses of oral amoxicillin and parenteral ampicillin/gentamicin after collection of samples S1 and S2 and before collection of sample S3

[2] During the acute phase, "Antibiotics specified" refer to the day of sample collection and in the follow-up period "Antibiotics specified" refer to the day of sample collection as well as any time during the seven days prior to sample collection

Almost every patient with SAM in acute phase between S1-2 and S3 received parenteral ampicillin followed by amoxicillin syrup and gentamicin injections. In exceptional cases where a SAM child presented with sepsis or was critically ill, ceftriaxone and gentamicin injections were administered according to clinical assessments.

Table ED15

220 bacterial taxa whose abundances are significantly altered in the microbiota of children with SAM compared to similarly aged healthy children

16S rRNA OTU ID (as shown in Extended Data Fig. 6 & 7)	Unabbreviated OTU ID in deposited OTU table	FDR-corrected p value	Beta Coefficient	Rank order of importance in Random Forests-based age-discriminatory model	RDP 2.4 Taxonomic Annotation (Phylum;Class;Order;Family;Genus;Species)
142054	142054	0.000	0.0286		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae
210269	210269	0.000	0.0278		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae
9715	9715	0.000	0.0263		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae
563485	563485	0.002	0.0236		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae
436723	436723	0.000	0.0232		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae
512914	512914	0.000	0.0215		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae
310265	310265	0.000	0.0207		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae
307981	307981	0.000	0.0174		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae
307080	307080	0.000	0.0152		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae;Escherichia
305760	305760	0.000	0.0131		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae;Escherichia;Escherichia_coli
113558	113558	0.000	0.0115		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae
280706	280706	0.000	0.0090		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae
540230	540230	0.002	0.0079		Firmicutes;Bacilli;Lactobacillales;Enterococcaceae;Enterococcus;Enterococcus_faecalis
15382	15382	0.027	0.0068		Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Streptococcus
249155.c0	New.0.CleanUp.ReferenceOTU249155	0.027	0.0067		Firmicutes;Bacilli;Lactobacillales;Leuconostocaceae;Leuconostoc
316587	316587	0.007	0.0063		Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Streptococcus;Streptococcus_gallolyticus
469852	469852	0.000	-0.0163		Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium;Bifidobacterium_bifidum
533785	533785	0.000	-0.0146	15	Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium
24773	24773	0.000	-0.0137		Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium
326792	326792	0.000	-0.0118	1	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
301004	301004	0.001	-0.0115		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae;Olsenella
181834	181834	0.000	-0.0112	20	Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium
261912	261912	0.000	-0.0109	12	Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Dorea;Dorea_formicigenerans
13823	13823	0.005	-0.0104		Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Veillonella;Veillonella_ratti
188900	188900	0.000	-0.0103		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
187010	187010	0.000	-0.0102		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
131391	131391	0.000	-0.0098		Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium
576.d0	New.0.ReferenceOTU576	0.001	-0.0097		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae
162427	162427	0.020	-0.0096		Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Megasphaera

16S rRNA OTU ID (as shown in Extended Data Fig. 6 & 7)	Unabbreviated OTU ID in deposited OTU table	FDR-corrected p value	Beta Coefficient	Rank order of importance in Random Forests-based age-discriminatory model	RDP 2.4 Taxonomic Annotation (Phylum;Class;Order;Family;Genus;Species)
303304	303304	0.000	-0.0094		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella;Prevotella_copri
470663	470663	0.000	-0.0094	3	Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus;Lactobacillus_ruminis
309068	309068	0.000	-0.0093		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella;Prevotella_copri
186029	186029	0.000	-0.0092		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae;Collinsella;Collinsella_aerofaciens
145149	145149	0.001	-0.0090		Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Veillonella
130663	130663	0.020	-0.0088		Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;Bacteroides_fragilis
194745	194745	0.000	-0.0088	6	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_sp_5_1_39BFAA
212503	212503	0.000	-0.0088		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium
184464	184464	0.001	-0.0085		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella;Prevotella_copri
89679.c0	New.0.CleanUp.ReferenceOTU89679	0.007	-0.0085		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae;Collinsella;Collinsella_aerofaciens
274208	274208	0.014	-0.0084		Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Megasphaera;Megasphaera_elsdenii
469873	469873	0.000	-0.0081	22	Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium
139221	139221	0.017	-0.0080		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae
15141	15141	0.016	-0.0079	7	Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus;Lactobacillus_mucosae
364234	364234	0.000	-0.0077	10	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_sp_5_1_39BFAA
198251	198251	0.022	-0.0077		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_gnavus
259261	259261	0.011	-0.0077		Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Megamonas
191687	191687	0.000	-0.0076	4	Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Dorea;Dorea_longicatena
189827	189827	0.000	-0.0073	2	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_sp_5_1_39BFAA
292302	292302	0.002	-0.0072		Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus
365047	365047	0.000	-0.0072		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_sp_5_1_39BFAA
250395	250395	0.000	-0.0072		Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus
258806.c0	New.0.CleanUp.ReferenceOTU258806	0.005	-0.0071		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae
326977	326977	0.000	-0.0070		Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium
165261	165261	0.005	-0.0069		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium
370431	370431	0.003	-0.0068		Actinobacteria;1760;Actinomycetales;Actinomycetaceae;Actinomyces;Actinomyces_odontolyticus
2000	2000	0.038	-0.0068		Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;Bacteroides_fragilis
561483	561483	0.006	-0.0067	8	Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium
177351	177351	0.004	-0.0064		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
72820	72820	0.005	-0.0064	5	Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium;Bifidobacterium_longum
58262	58262	0.012	-0.0064		Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Allisonella;Allisonella_histaminiformans
212619	212619	0.000	-0.0063	24	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae

16S rRNA OTU ID (as shown in Extended Data Fig. 6 & 7)	Unabbreviated OTU ID in deposited OTU table	FDR-corrected p value	Beta Coefficient	Rank order of importance in Random Forests-based age-discriminatory model	RDP 2.4 Taxonomic Annotation (Phylum;Class;Order;Family;Genus;Species)
142448	142448	0.006	-0.0060		Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus
48207	48207	0.001	-0.0060		Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Dialister
158660	158660	0.038	-0.0059		Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides
195574	195574	0.005	-0.0059		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
28727	28727	0.009	-0.0059		Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus
170124	170124	0.000	-0.0057		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_desmolans
11372	11372	0.019	-0.0057		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae;Eggerthella;Eggerthella_lenta
365758	365758	0.003	-0.0057		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
361809	361809	0.000	-0.0056	13	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_torques
287510	287510	0.000	-0.0055	11	Firmicutes;Erysipelotrichi;Erysipelotrichales;Erysipelotrichaceae;Catenibacterium;Catenibacterium_mitsuokai
177005	177005	0.000	-0.0054		Firmicutes;Clostridia;Clostridiales
185951	185951	0.000	-0.0054	23	Firmicutes;Clostridia;Clostridiales
73.d0	New.0.ReferenceOTU73	0.026	-0.0054		Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae
155355.c0	New.0.CleanUp.ReferenceOTU155355	0.045	-0.0052		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium
325969	325969	0.002	-0.0051		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium;Clostridium_sp_SS2_1
268604	268604	0.016	-0.0050		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
182804	182804	0.000	-0.0050		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae
71685	71685	0.006	-0.0049		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_torques
181003	181003	0.001	-0.0048		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus
266274	266274	0.007	-0.0047		Firmicutes;Clostridia;Clostridiales
198941	198941	0.004	-0.0045		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_desmolans
470477	470477	0.009	-0.0044		Firmicutes;Bacilli;Lactobacillales;Carnobacteriaceae;Granulicatella;Granulicatella_adiacens
184037	184037	0.004	-0.0044		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium;Clostridium_sp_SS2_1
325608	325608	0.003	-0.0044		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium;Clostridium_bartlettii
367433	367433	0.009	-0.0044		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
517331	517331	0.006	-0.0043		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
302844	302844	0.015	-0.0042		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium;Clostridium_disporicum
189396	189396	0.019	-0.0042		Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Coprococcus;Coprococcus_comes
24916	24916	0.019	-0.0042		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
369164	369164	0.007	-0.0040		Firmicutes;Clostridia;Clostridiales
191306	191306	0.003	-0.0039		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_sp_5_1_39BFAA
9514	9514	0.011	-0.0038	16	Proteobacteria;Gammaproteobacteria;Pasteurellales;Pasteurellaceae;Haemophilus;Haemophilus_parainfluenzae

16S rRNA OTU ID (as shown in Extended Data Fig. 6 & 7)	Unabbreviated OTU ID in deposited OTU table	FDR-corrected p value	Beta Coefficient	Rank order of importance in Random Forests-based age-discriminatory model	RDP 2.4 Taxonomic Annotation (Phylum;Class;Order;Family;Genus;Species)
470369	470369	0.009	-0.0038		Firmicutes;Erysipelotrichi;Erysipelotrichales;Erysipelotrichaceae;unclassified_Erysipelotrichaceae;Eubacterium_biforme
295024	295024	0.009	-0.0037		Firmicutes;Erysipelotrichi;Erysipelotrichales;Erysipelotrichaceae;unclassified_Erysipelotrichaceae;Eubacterium_biforme
185281	185281	0.009	-0.0037		Firmicutes;Clostridia;Clostridiales
579564	579564	0.039	-0.0036		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium;Clostridium_disporicum
178146	178146	0.019	-0.0034		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_hallii
199293	199293	0.005	-0.0033		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
177772	177772	0.009	-0.0032		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_rectale
174256	174256	0.016	-0.0031		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_hallii
182994	182994	0.034	-0.0031		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_rectale
179460	179460	0.042	-0.0030		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium
212304	212304	0.017	-0.0029		Firmicutes;Clostridia;Clostridiales
594084	594084	0.001	-0.0029		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae;Slackia;Slackia_isoflavoniconvertens
175682	175682	0.019	-0.0028		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_rectale
325738	325738	0.049	-0.0027		Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;Bacteroides_galacturonicus
178122	178122	0.007	-0.0027		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_obeum
182202	182202	0.036	-0.0026		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium;Clostridium_glycolicum
168716	168716	0.025	-0.0026		Firmicutes;Clostridia;Clostridiales
206931	206931	0.014	-0.0025		Firmicutes;Clostridia;Clostridiales
560141	560141	0.011	-0.0023		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae
212787	212787	0.030	-0.0022		Firmicutes;Clostridia;Clostridiales
100258	100258	0.026	-0.0021		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_sp_cL_10_1_3
194648	194648	0.038	-0.0018		Firmicutes;Clostridia;Clostridiales;unclassified_Clostridiales;Blautia;Blautia_sp_M25
471180	471180	0.027	-0.0017		Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium

(b) Taxa altered in children with SAM relative to healthy controls during the post-intervention period

16S rRNA OTU ID (as shown in Extended Data Fig. 6 & 7)	Unabbreviated OTU ID in deposited OTU table	FDR-corrected p value	Beta Coefficient	Rank order of importance in Random Forests-based age-discriminatory model	RDP 2.4 Taxonomic Annotation (Phylum;Class;Order;Family;Genus;Species)
292424	292424	0.0000	0.0105		Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Streptococcus
148099	148099	0.0000	0.0101	21	Firmicutes;Bacilli;Lactobacillales;Leuconostocaceae;Weissella;Weissella_cibaria
249155.c0	New.0.CleanUp.ReferenceOTU249155	0.0035	0.0100		Firmicutes;Bacilli;Lactobacillales;Leuconostocaceae;Leuconostoc
15382	15382	0.0001	0.0096		Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Streptococcus

16S rRNA OTU ID (as shown in Extended Data Fig. 6 & 7)	Unabbreviated OTU ID in deposited OTU table	FDR-corrected p value	Beta Coefficient	Rank order of importance in Random Forests-based age-discriminatory model	RDP 2.4 Taxonomic Annotation (Phylum;Class;Order;Family;Genus;Species)
628.d0	New.0.ReferenceOTU628	0.0011	0.0080		Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Streptococcus
239.d0	New.0.ReferenceOTU239	0.0045	0.0065		Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus
282068/c0	New.0.CleanUp.ReferenceOTU282068	0.0051	0.0063		Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae;Lactobacillus
528842	528842	0.0029	0.0059		Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Streptococcus;Streptococcus_parasanguinis
108747	108747	0.0018	0.0057	14	Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Streptococcus;Streptococcus_thermophilus
340.d0	New.0.ReferenceOTU340	0.0043	0.0055		Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium
73.d0	New.0.ReferenceOTU73	0.0417	0.0054		Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae
294794	294794	0.0173	0.0045		Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Streptococcus
233573	233573	0.0172	0.0006		Firmicutes;Erysipelotrichi;Erysipelotrichales;Erysipelotrichaceae
326792	326792	0.0000	-0.0136	1	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
181834	181834	0.0000	-0.0126	20	Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium
187010	187010	0.0000	-0.0114		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
188900	188900	0.0000	-0.0106		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
162427	162427	0.0008	-0.0095		Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Megasphaera
533785	533785	0.0008	-0.0093	15	Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium
576.d0	New.0.ReferenceOTU576	0.0002	-0.0090		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae
417.d0	New.0.ReferenceOTU417	0.0000	-0.0090		Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium
469852	469852	0.0000	-0.0090		Actinobacteria;1760;Bifidobacteriales;Bifidobacteriaceae;Bifidobacterium;Bifidobacterium_bifidum
212503	212503	0.0000	-0.0089		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium
261912	261912	0.0000	-0.0088	12	Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Dorea;Dorea_formicigenerans
309068	309068	0.0000	-0.0086		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella;Prevotella_copri
301004	301004	0.0034	-0.0084		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae;Olsenella
184464	184464	0.0000	-0.0083		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella;Prevotella_copri
177351	177351	0.0000	-0.0082		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
303304	303304	0.0000	-0.0081		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella;Prevotella_copri
48207	48207	0.0000	-0.0081		Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Dialister
13823	13823	0.0024	-0.0079		Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Veillonella;Veillonella_ratti
130663	130663	0.0017	-0.0079		Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;Bacteroides_fragilis
58262	58262	0.0000	-0.0076		Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Allisonella;Allisonella_histaminiformans
195574	195574	0.0000	-0.0076		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
259261	259261	0.0001	-0.0075		Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Megamonas
365758	365758	0.0000	-0.0072		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella

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165261	165261	0.0000	-0.0072		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium
212619	212619	0.0000	-0.0069	24	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae
196757	196757	0.0092	-0.0067		Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;Bacteroides_ovatus
181330	181330	0.0000	-0.0067		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_sp_5_1_39BFAA
170124	170124	0.0000	-0.0067		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_desmolans
194745	194745	0.0001	-0.0066	6	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_sp_5_1_39BFAA
189862	189862	0.0046	-0.0066		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella;Prevotella_sp_DJF_B116
191687	191687	0.0000	-0.0066	4	Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Dorea;Dorea_longicatena
158660	158660	0.0006	-0.0064		Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides
268604	268604	0.0000	-0.0064		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
192132	192132	0.0006	-0.0063		Proteobacteria;Deltaproteobacteria;Desulfovibrionales;Desulfovibrionaceae;Bilophila;Bilophila_wadsworthia
274208	274208	0.0172	-0.0062		Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Megasphaera;Megasphaera_elsdenii
155355.c0	New.0.CleanUp.ReferenceOTU155355	0.0008	-0.0062		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium
266274	266274	0.0000	-0.0061		Firmicutes;Clostridia;Clostridiales
2000	2000	0.0059	-0.0059		Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;Bacteroides_fragilis
331820	331820	0.0043	-0.0058		Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;Bacteroides_vulgatus
364234	364234	0.0000	-0.0057	10	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_sp_5_1_39BFAA
11.d0	New.0.ReferenceOTU11	0.0305	-0.0057		Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae
198941	198941	0.0000	-0.0057		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_desmolans
365047	365047	0.0000	-0.0057		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_sp_5_1_39BFAA
258806.c0	New.0.CleanUp.ReferenceOTU258806	0.0051	-0.0056		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae
298533	298533	0.0012	-0.0055		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
367433	367433	0.0000	-0.0053		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
11372	11372	0.0052	-0.0053		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae;Eggerthella;Eggerthella_lenta
189396	189396	0.0000	-0.0052		Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Coprococcus;Coprococcus_comes
24916	24916	0.0000	-0.0052		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
348374	348374	0.0089	-0.0052		Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;Bacteroides_thetaiotaomicron
517331	517331	0.0000	-0.0052		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
574.d0	New.0.ReferenceOTU574	0.0356	-0.0049		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae
189827	189827	0.0002	-0.0049	2	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_sp_5_1_39BFAA
235476.c0	New.0.CleanUp.ReferenceOTU235476	0.0449	-0.0049		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae
294710	294710	0.0002	-0.0048		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium

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369164	369164	0.0000	-0.0047		Firmicutes;Clostridia;Clostridiales
145149	145149	0.0335	-0.0046		Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Veillonella
369502	369502	0.0025	-0.0043		Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Coprococcus;Coprococcus_catus
199293	199293	0.0000	-0.0042		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
209122	209122	0.0001	-0.0041		Firmicutes;Clostridia;Clostridiales
184037	184037	0.0003	-0.0041		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium;Clostridium_sp_SS2_1
174902	174902	0.0021	-0.0041		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
177772	177772	0.0000	-0.0041		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_rectale
185281	185281	0.0000	-0.0041		Firmicutes;Clostridia;Clostridiales
305760	305760	0.0087	-0.0040		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae;Escherichia;Escherichia_coli
179460	179460	0.0001	-0.0040		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium
198161	198161	0.0001	-0.0040		Bacteroidetes;Bacteroidia;Bacteroidales
182994	182994	0.0000	-0.0039		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_rectale
179287	179287	0.0006	-0.0038		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
294196	294196	0.0000	-0.0037		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella;Prevotella_copri
208539	208539	0.0002	-0.0037		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium
177005	177005	0.0017	-0.0037		Firmicutes;Clostridia;Clostridiales
191306	191306	0.0001	-0.0037		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_sp_5_1_39BFAA
195493	195493	0.0023	-0.0037		Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia;Roseburia_intestinalis
177495	177495	0.0002	-0.0037		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Subdoligranulum;Subdoligranulum_variabile
325608	325608	0.0009	-0.0036		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium;Clostridium_bartlettii
168716	168716	0.0000	-0.0036		Firmicutes;Clostridia;Clostridiales
325969	325969	0.0110	-0.0036		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium;Clostridium_sp_SS2_1
181170	181170	0.0007	-0.0035		Firmicutes;Clostridia;Clostridiales
541301	541301	0.0035	-0.0035		Bacteroidetes;Bacteroidia;Bacteroidales;Porphyromonadaceae;Parabacteroides;Parabacteroides_merdae
340615	340615	0.0110	-0.0035		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_hallii
204593	204593	0.0049	-0.0035		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_coprostanoligenes
193067	193067	0.0000	-0.0034		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_rectale
181003	181003	0.0017	-0.0034		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus
172962	172962	0.0042	-0.0034		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
363400	363400	0.0108	-0.0034		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium;Clostridium_clostridioforme
171.d0	New.0.ReferenceOTU171	0.0367	-0.0034		Proteobacteria

16S rRNA OTU ID (as shown in Extended Data Fig. 6 & 7)	Unabbreviated OTU ID in deposited OTU table	FDR-corrected p value	Beta Coefficient	Rank order of importance in Random Forests-based age-discriminatory model	RDP 2.4 Taxonomic Annotation (Phylum;Class;Order;Family;Genus;Species)
172274	172274	0.0042	-0.0034		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
212304	212304	0.0001	-0.0034		Firmicutes;Clostridia;Clostridiales
175682	175682	0.0000	-0.0034		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_rectale
361809	361809	0.0093	-0.0034	13	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_torques
316732	316732	0.0022	-0.0034		Firmicutes;Clostridia;Clostridiales
111135	111135	0.0069	-0.0034		Proteobacteria;Betaproteobacteria;Burkholderiales;Sutterellaceae;Sutterella;Sutterella_wadsworthensis
528303	528303	0.0000	-0.0033		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
182087	182087	0.0033	-0.0032		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
210269	210269	0.0489	-0.0031		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae
188.d1	New.1.ReferenceOTU188	0.0372	-0.0031		Firmicutes;Negativicutes;Selenomonadales;Veillonellaceae;Megamonas
71685	71685	0.0262	-0.0031		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_torques
162623	162623	0.0002	-0.0031		Firmicutes;Clostridia;Clostridiales
185951	185951	0.0108	-0.0031	23	Firmicutes;Clostridia;Clostridiales
203590	203590	0.0110	-0.0030		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium
291266	291266	0.0000	-0.0030		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Subdoligranulum;Subdoligranulum_variabile
184511	184511	0.0112	-0.0030		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
188236	188236	0.0002	-0.0030		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
263461	263461	0.0223	-0.0029		Firmicutes;Clostridia;Clostridiales
181139	181139	0.0001	-0.0029		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
442.d0	New.0.ReferenceOTU442	0.0051	-0.0029		Bacteroidetes
352304	352304	0.0035	-0.0029		Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia
178146	178146	0.0075	-0.0029		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_hallii
181882	181882	0.0002	-0.0029		Firmicutes;Clostridia;Clostridiales
323253	323253	0.0298	-0.0028		Unknown bacteria
207570	207570	0.0015	-0.0028		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium;Clostridium_lactatifermentans
9514	9514	0.0335	-0.0028	16	Proteobacteria;Gammaproteobacteria;Pasteurellales;Pasteurellaceae;Haemophilus;Haemophilus_parainfluenzae
174256	174256	0.0039	-0.0028		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_hallii
206931	206931	0.0001	-0.0028		Firmicutes;Clostridia;Clostridiales
212787	212787	0.0000	-0.0027		Firmicutes;Clostridia;Clostridiales
173135	173135	0.0018	-0.0027		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
203620	203620	0.0060	-0.0026		Firmicutes;Clostridia;Clostridiales
354737	354737	0.0017	-0.0026		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Subdoligranulum;Subdoligranulum_variabile

16S rRNA OTU ID (as shown in Extended Data Fig. 6 & 7)	Unabbreviated OTU ID in deposited OTU table	FDR-corrected p value	Beta Coefficient	Rank order of importance in Random Forests-based age-discriminatory model	RDP 2.4 Taxonomic Annotation (Phylum;Class;Order;Family;Genus;Species)
69909	69909	0.0107	-0.0026		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_ramulus
555326	555326	0.0190	-0.0026		Firmicutes;Negativicutes;Selenomonadales;Acidaminococcaceae;Phascolarctobacterium;Phascolarctobacterium_succinatutens
16054	16054	0.0092	-0.0026		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_callidus
325738	325738	0.0043	-0.0025		Bacteroidetes;Bacteroidia;Bacteroidales;Bacteroidaceae;Bacteroides;Bacteroides_galacturonicus
329096	329096	0.0335	-0.0025		Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae
287510	287510	0.0338	-0.0025	11	Firmicutes;Erysipelotrichi;Erysipelotrichales;Erysipelotrichaceae;Catenibacterium;Catenibacterium_mitsuokai
175537	175537	0.0001	-0.0025		Firmicutes;Clostridia;Clostridiales
187846	187846	0.0022	-0.0025		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_desmolans
183879	183879	0.0312	-0.0024		Firmicutes;Clostridia;Clostridiales
179795	179795	0.0017	-0.0024		Firmicutes;Clostridia;Clostridiales;Clostridiaceae;Clostridium
191547	191547	0.0013	-0.0023		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
260352	260352	0.0301	-0.0023		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_coprostanoligenes
329728	329728	0.0071	-0.0023		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
205408	205408	0.0335	-0.0023		Proteobacteria;Gammaproteobacteria;Aeromonadales;Succinivibrionaceae;Succinivibrio;Succinivibrio_dextrinosolvens
293221	293221	0.0223	-0.0022		Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Roseburia;Roseburia_intestinalis
293896	293896	0.0087	-0.0022		Firmicutes;Clostridia;Clostridiales
113909	113909	0.0007	-0.0022		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_rectale
338889	338889	0.0291	-0.0021		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
259959	259959	0.0293	-0.0021		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella;Prevotella_sp_oral_taxon_302
193632	193632	0.0013	-0.0021		Firmicutes;Clostridia;Clostridiales;Oscillospiraceae;Oscillibacter;Oscillibacter_sp_G2
186640	186640	0.0015	-0.0020		Firmicutes;Clostridia;Clostridiales
529733	529733	0.0307	-0.0020		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
321016	321016	0.0135	-0.0019		Firmicutes;Clostridia;Clostridiales
16076	16076	0.0335	-0.0018		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus;Ruminococcus_bromii
209578	209578	0.0092	-0.0018		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Ruminococcus
215433	215433	0.0489	-0.0017		Firmicutes;Clostridia;Clostridiales
192252	192252	0.0054	-0.0017		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_rectale
196225.c0	New.0.CleanUp.ReferenceOTU196225	0.0449	-0.0016		Bacteroidetes;Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella
194648	194648	0.0136	-0.0015		Firmicutes;Clostridia;Clostridiales;unclassified_Clostridiales;Blautia;Blautia_sp_M25
560141	560141	0.0356	-0.0015		Actinobacteria;1760;Coriobacteriales;Coriobacteriaceae
172603	172603	0.0219	-0.0014		Firmicutes;Clostridia;Clostridiales;Eubacteriaceae;Eubacterium;Eubacterium_hallii
187524	187524	0.0027	-0.0014		Firmicutes;Clostridia;Clostridiales

16S rRNA OTU ID (as shown in Extended Data Fig. 6 & 7)	Unabbreviated OTU ID in deposited OTU table	FDR-corrected p value	Beta Coefficient	Rank order of importance in Random Forests-based age-discriminatory model	RDP 2.4 Taxonomic Annotation (Phylum;Class;Order;Family;Genus;Species)
195102	195102	0.0060	-0.0013		Firmicutes;Clostridia;Clostridiales
343985	343985	0.0032	-0.0013		Firmicutes
207065	207065	0.0108	-0.0013		Firmicutes;Clostridia;Clostridiales
189047	189047	0.0177	-0.0013		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae
310301	310301	0.0075	-0.0013		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
364261	364261	0.0244	-0.0013		Firmicutes;Clostridia;Clostridiales
516022	516022	0.0276	-0.0012		Firmicutes
190572	190572	0.0018	-0.0012		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
571220	571220	0.0194	-0.0012		Firmicutes;Clostridia;Clostridiales
293360	293360	0.0414	-0.0009		Firmicutes;Clostridia;Clostridiales
298079	298079	0.0383	-0.0007		Firmicutes;Clostridia;Clostridiales
179291	179291	0.0299	-0.0007		Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Faecalibacterium;Faecalibacterium_prausnitzii
54730	54730	0.0394	-0.0007		Unknown bacteria
352215	352215	0.0298	-0.0007		Firmicutes;Clostridia;Clostridiales
43267	43267	0.0258	-0.0006		Firmicutes;Clostridia;Clostridiales
312816.c0	New.0.CleanUp.ReferenceOTU312816	0.0449	-0.0005		Firmicutes;Clostridia;Clostridiales;Clostridiaceae

Table ED17

Metadata associated with individual fecal samples collected from 33 children in singleton cohort with and without MAM

Child ID	Fecal Sample ID	Threshold for MAM Diagnosis	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other)	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
								Breast Milk	Solid Foods	Formula						
Bgsng7001	Bgsng7001.m19	MAM	552	18.1	-2.87	-2.9	-3.38	Yes	Yes	No	No	No	Chlorpheniramine Maleate, Paracetamol	18,860	7	GCCTGCAGTACT
Bgsng7013	Bgsng7013.m19	MAM	547	18.0	-2.54	-3.16	-3.31	Yes	Yes	No	Yes	No		18,634	7	TCTCGATAAGCG
Bgsng7031	Bgsng7031.m19	MAM	557	18.3	-2.08	-2.67	-2.86	Yes	Yes	No	No	No		15,771	7	GGAACGACGTGA
Bgsng7082	Bgsng7082.m19	MAM	551	18.1	-3.7	-0.83	-3.11	Yes	Yes	No	No	No		46,439	4	CACCGAAATCTG
Bgsng7094	Bgsng7094.m19	MAM	562	18.5	-2.1	-2.49	-2.78	Yes	Yes	No	No	No		21,799	5	GGCGAACTGAAG
Bgsng7109	Bgsng7109.m18	MAM	548	18.0	-2.62	-4	-3.78	Yes	Yes	No	No	No		25,516	6	GAACCTATGACA
Bgsng7110	Bgsng7110.m18	MAM	552	18.1	-2.72	-2.07	-3	Yes	Yes	No	No	No		21,546	6	ATCCTACGAGCA
Bgsng7116	Bgsng7116.m19	MAM	553	18.2	-2.7	-2.41	-3.05	Yes	Yes	No	No	Yes	Flucloxacillin Sodium, Chlorpheniramine Maleate, Multi Vitamin	20,166	5	GTCGCTTGCACA
Bgsng7123	Bgsng7123.m18	MAM	548	18.0	-2.95	-2.67	-3.46	Yes	Yes	No	No	No		27,214	7	TGCTCCGTAGAA
Bgsng7148	Bgsng7148.m19	MAM	551	18.1	-3.69	-2.32	-3.79	Yes	Yes	No	No	No		44,754	4	GTCAATTAGTGG
Bgsng7004	Bgsng7004.m19	Not MAM	557	18.3	-1.68	-3.63	-2.99	Yes	Yes	No	No	No		23,688	4	ACGGGATACAGG
Bgsng7018	Bgsng7018.m19	Not MAM	551	18.1	-1.6	-1.29	-1.78	Yes	Yes	No	No	Yes	Flucloxacillin Sodium	25,765	7	AATCAACTAGGC
Bgsng7040	Bgsng7040.m19	Not MAM	551	18.1	-0.1	-3.01	-1.56	Yes	Yes	No	No	No		49,576	7	AGACAAGCTTCC
Bgsng7050	Bgsng7050.m19	Not MAM	555	18.2	-0.2	-2.54	-1.37	Yes	Yes	No	No	No	Chlorpheniramine Maleate, Multi Vitamin	13,988	5	CTCTCATATGCT
Bgsng7052	Bgsng7052.m19	Not MAM	552	18.1	-1.05	-0.87	-1.2	Yes	Yes	No	No	No		25,364	5	AGCCTCATGATG
Bgsng7063	Bgsng7063.m19	Not MAM	553	18.2	-0.87	-0.85	-1.06	Yes	Yes	No	No	No		23,878	7	CGACTCTAAACG
Bgsng7071	Bgsng7071.m19	Not MAM	554	18.2	-0.04	0.02	-0.07	Yes	Yes	No	No	No	Paracetamol	21,695	5	CCAGTATCGCGT
Bgsng7074	Bgsng7074.m19	Not MAM	556	18.3	-1.82	-3.47	-2.99	Yes	Yes	No	Yes	No	Oral rehydration saline, Multi Vitamin	15,006	5	GTGTATCGCCAC
Bgsng7081	Bgsng7081.m19	Not MAM	551	18.1	-0.73	-2.25	-1.62	Yes	Yes	No	No	No		17,264	5	TTGACACACGAC
Bgsng7087	Bgsng7087.m19	Not MAM	551	18.1	-1.63	-2.5	-2.43	Yes	Yes	No	No	No		19,084	5	AGTACCTAAGTG
Bgsng7090	Bgsng7090.m19	Not MAM	552	18.1	-0.71	-0.75	-0.9	Yes	Yes	No	No	Yes	Amoxycillin trihydrate, Sulbutamol	20,562	5	GGTCTAGGTCTA
Bgsng7096	Bgsng7096.m19	Not MAM	560	18.4	-0.68	-1.98	-1.44	Yes	Yes	No	No	No		27,208	5	CCTGGAATTAAG
Bgsng7108	Bgsng7108.m18	Not MAM	548	18.0	-1.32	-2.51	-2.14	Yes	Yes	No	No	No		21,247	6	TGACGTAGAACT
Bgsng7130	Bgsng7130.m19	Not MAM	544	17.9	-1.89	-4.18	-3.43	Yes	Yes	No	No	No		26,268	5	GTACCTAGCCTG
Bgsng7131	Bgsng7131.m19	Not MAM	570	18.7	-1.63	-1.9	-2.07	Yes	Yes	No	No	No		39,288	5	AATATCGGGATC
Bgsng7133	Bgsng7133.m19	Not MAM	558	18.3	-1.64	-2.3	-2.33	Yes	Yes	No	Yes	Yes	Azithromycin Dihydrate, Oral rehydration saline, Chlorpheniramine Maleate	23,886	5	AAGCGTACATTG
Bgsng7135	Bgsng7135.m19	Not MAM	549	18.0	-0.96	-2.34	-1.84	Yes	Yes	No	No	No		18,644	5	GAGTTTACGGTC
Bgsng7145	Bgsng7145.m19	Not MAM	549	18.0	1.38	-4.18	-1.08	Yes	Yes	No	No	No		24,350	4	CTTGGAGGCTTA
Bgsng7149	Bgsng7149.m19	Not MAM	565	18.6	-1.05	-0.84	-1.16	Yes	Yes	No	No	No		21,384	4	GGTACCTGCAAT
Bgsng7152	Bgsng7152.m19	Not MAM	554	18.2	-1.5	-1.96	-2	Yes	Yes	No	No	No		22,772	4	CTCGGATAGATC

Child ID	Fecal Sample ID	Threshold for MAM Diagnosis	Age, days	Age, months	WHZ	HAZ	WAZ	Diet at time of fecal sample collection			Diarrhea at the time of sample collection	Antibiotics within 7 days prior to sample collection	Medications (Antibiotics and other)	Number of high quality V4-16S rRNA sequences	16S rRNA Sequencing Run ID	Sample specific barcode sequence
								Breast Milk	Solid Foods	Formula						
Bgsng7173	Bgsng7173.m19	Not MAM	556	18.3	0.14	-1.58	-0.63	Yes	Yes	No	No	Yes	Amoxicillin trihydrate + Clavulanic acid, Chloramphenicol, Sulbutamol	22,652	9	TCCACATTGGGTC
Bgsng7178	Bgsng7178.m19	Not MAM	560	18.4	0.72	-0.91	0.11	Yes	Yes	No	No	No		26,494	9	TGCGAAGTTGGGA
Bgsng7203	Bgsng7203.m19	Not MAM	551	18.1	0.16	-3.44	-1.55	Yes	Yes	No	No	No		15,174	7	TGACGCCTCCAA

Table ED19

Results of clinical microscopy of fecal samples obtained from healthy Bangladeshi children and those with MAM

Fecal Sample ID	Study Group	Enteropathogens detected												
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7035.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7035.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7035.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7106.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7106.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7106.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7106.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7106.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7106.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7106.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7106.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7106.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7106.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7106.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7106.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7106.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7106.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7106.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7106.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7106.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7106.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7106.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7115.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected												
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7115.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7115.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7128.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7128.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	+	-	-	-
Bgsng7128.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7128.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7128.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7150.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7150.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7155.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7155.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7177.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7177.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7177.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7192.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7192.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7192.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7202.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7202.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7204.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected										
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7204.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7204.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7204.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7204.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7204.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8064.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8169.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8169.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8169.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng8169.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8169.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8169.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8169.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8169.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8169.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8169.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8169.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8169.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8169.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8169.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8169.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng8169.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng8169.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng8169.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8169.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng8169.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng8169.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng8169.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7018.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7018.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7018.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7052.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7052.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7052.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7063.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7063.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7063.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7071.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7071.m2	Healthy Singleton Birth Cohort	na	na	na	na	na	na	na	na	na	na	na	na	na
Bgsng7071.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7071.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7071.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7071.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7071.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7071.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7071.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7071.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7071.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7071.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7071.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7071.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7071.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7071.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected										
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7071.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7071.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7082.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7082.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7090.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7090.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7096.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7096.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7096.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7096.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7096.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected										
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7096.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7096.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7114.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7114.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected										
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7131.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7131.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7142.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7142.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7142.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected										
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7142.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7149.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7149.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7149.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7149.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7149.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7149.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7149.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7149.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7149.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7149.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7149.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7149.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7149.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7149.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7149.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7149.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7149.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7149.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7149.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7149.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	+	-	-
Bgsng7149.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7149.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7173.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7173.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7173.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7173.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7173.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7178.m1	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m2	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m3	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m4	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m5	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m6	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m7	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m8	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m9	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m10	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m11	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m12	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m13	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m14	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7178.m15	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m16	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m17	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7178.m18	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7178.m19	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m20	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m21	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m22	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7178.m23	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7178.m24	Healthy Singleton Birth Cohort	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m6.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m14	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m15	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m16	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m18	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgtw1.T1.m19	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m20	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m21	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m22	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m23	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m24	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m24.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m25	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgtw2.T1.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m2.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m14	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m15	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m16	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m17	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m18	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m19	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m20	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m21	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgtw2.T1.m22	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgtw2.T1.m23	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m24	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgtw3.T1.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m14	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m15	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m16	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m17	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m19	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m20	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m21	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m22	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m14	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m15	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m16	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m18	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m18.drb	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m18.drc	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m20	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected										
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgtw5.T1.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgtw5.T1.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m14	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m15	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m16	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m17	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m18	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m19	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m20	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m21	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T1.m22	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T1.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T1.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T1.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T1.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T1.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T1.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T1.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T1.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgtw7.T1.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m6.dra	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m6.drb	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m14	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m15	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T1.m16	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T1.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T1.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T1.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T1.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T1.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T1.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T1.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T1.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T1.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T1.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T1.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T1.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T1.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T1.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T1.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T1.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T1.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T1.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgtw9.T1.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T1.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T1.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T1.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T1.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T1.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T1.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgtw11.T1.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T1.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T1.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T1.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T1.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T1.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T1.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T1.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T1.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T1.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T1.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T1.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T1.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T1.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgtw12.T1.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T1.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T1.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T1.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T1.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T1.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T1.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T1.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T1.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T1.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m14	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m15	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m16	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m18	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m19	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m21	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgtw1.T2.m22	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m23	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m24	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m25	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgtw2.T2.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m2.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m14	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m15	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m16	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m17	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m18	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m19	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m20	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m21	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgtw2.T2.m22	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m23	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m24	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgtw3.T2.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m9.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m14	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m15	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m16	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m17	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m19	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m20	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m21	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m22	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m14	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m15	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m15.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m17	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m18	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m19	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgtw5.T2.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	+	-	-
Bgtw5.T2.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m14	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m15	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m16	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m17	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m18	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m19	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m20	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m21	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw5.T2.m22	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T2.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T2.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T2.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T2.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T2.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T2.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T2.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T2.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T2.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T2.m15.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgtw7.T2.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m6.dra	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m6.drb	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m14	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m15	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m16	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T2.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T2.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T2.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T2.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T2.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T2.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T2.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	+	+	-	-
Bgtw8.T2.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T2.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T2.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T2.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T2.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T2.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T2.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T2.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T2.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgtw9.T2.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T2.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T2.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T2.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T2.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T2.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T2.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T2.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T2.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T2.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T2.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T2.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T2.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T2.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T2.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T2.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T2.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T2.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T2.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T2.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T2.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T2.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T2.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T2.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T2.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T2.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T2.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T2.m6.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T2.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T2.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T2.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T2.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected											
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgtw11.T2.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw11.T2.m12.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T2.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T2.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T2.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T2.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T2.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T2.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T2.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T2.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T2.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T2.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T2.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T2.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T2.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m1	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m2	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m4	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m5	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m6	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m8	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m8.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m9	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m11	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m12	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m13	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m14	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m15	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m16	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m17	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected												
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgtw4.T3.m18	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m19	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m20	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T1.m17	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T1.m6.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m4.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m5.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m9.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m10	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T1.m18.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T1.m18.dra	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw6.T1.m8.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw8.T1.m5.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T1.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m2.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m4.dra	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m4.drb	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T1.m8.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw12.T1.m9.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m16.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw1.T2.m17	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw2.T2.m6.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m4.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m5.dra	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m5.drb	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw3.T2.m11.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T2.m19.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw7.T2.m12.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T2.m2.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw9.T2.m7	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected										
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (C.L.B)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgtw10.T2.m2.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T2.m3	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T2.m4.dra	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T2.m4.drb	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw10.T2.m9.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m5.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgtw4.T3.m10.dr	Healthy Twins & Triplets	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7001.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7004.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7013.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	+	-	-	-	-
Bgsng7031.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7040.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7050.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7074.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7081.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7087.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7094.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7108.m18	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7109.m18	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-

Fecal Sample ID	Study Group	Enteropathogens detected										
		Entamoeba histolytica / Entamoeba dispar	*Escherichia coli*	*Endolimax nana*	*Iodamoeba butschlii*	*Chilomastix mesnili*	*Blastocystis hominis*	*Trichomonas hominis*	*Coccidian-like body* (CLB)	*Giardia lamblia*	*Ascaris lumbricoides*	*Trichuris Tricuria*	*Ancylostoma duodenale / Necator americanus*	*Hymenolepsis nana*
Bgsng7110.m18	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7116.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7123.m18	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7130.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7133.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7135.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7145.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7148.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	+	-	-	-
Bgsng7152.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-
Bgsng7203.m19	Additional singletons sampled with and without MAM at 18 months	-	-	-	-	-	-	-	-	-	-	-	-	-