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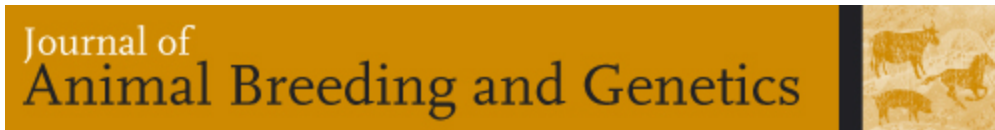
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Host genotype and amoxicillin administration affect the incidence of diarrhoea and faecal microbiota of weaned piglets during a natural multi-resistant ETEC infection.

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Host genotype and amoxicillin administration affect the incidence of diarrhoea and faecal microbiota of weaned piglets during a natural multi-resistant ETEC infection.

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Summary

Enterotoxigenic *Escherichia coli* (ETEC) is the etiological agent of post-weaning diarrhoea (PWD) in piglets. The SNPs located on the *Mucine 4* (*MUC4*) and *Fucosyltransferase 1* (*FUT1*) genes have been associated with the susceptibility to ETEC F4 and ETEC F18, respectively. The interplay between the *MUC4* and *FUT1* genotypes to ETEC infection and the use of amoxicillin in modifying the intestinal microbiota during a natural infection by multi-resistant ETEC strains have never been investigated. The aim of this study was to evaluate the effects of the *MUC4* and *FUT1* genotypes and the administration of amoxicillin through different routes on the presence of diarrhoea and the faecal microbiota composition in piglets naturally infected with ETEC. Seventy-one piglets were divided into three groups: two groups differing by amoxicillin administration routes – parenteral (P) or oral (O) and a control group without antibiotics (C). Faecal scores, body weight, presence of ETEC F4 and F18 were investigated 4 days after the arrival in the facility (T0), at the end of the amoxicillin administration (T1) and after the withdrawal period (T2). The faecal bacteria composition was assessed by sequencing the 16S rRNA gene. We described that *MUC4* and *FUT1* genotypes were associated with the presence of ETEC F4 and ETEC F18. The faecal microbiota was influenced by the *MUC4* genotypes at T0. We found the oral administration to be associated with the presence of diarrhoea at T1 and T2. Furthermore, the exposure to amoxicillin resulted in significant alterations of the faecal microbiota. Overall, the *MUC4* and *FUT1* were confirmed as genetic markers for the

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susceptibility to ETEC infections in pigs. Moreover, our data highlight that group amoxicillin treatment may produce adverse outcomes on pig health in course of multi-resistant ETEC infection. Therefore, alternative control measures, able to maintain a healthy faecal microbiota in weaners are recommended.

Keywords

Antibiotic-resistance, *Escherichia coli*, *FUT1*, gut microbiota, *MUC4*, swine.

For Peer Review

47 Introduction

48
49 Weaning is considered the main critical period for pigs raised in intensive farms (Lallés, Bosi, Smidt,
50 & Stokes, 2007). This phase may be associated with the onset of gastrointestinal disorders with post-
51 weaning diarrhoea (PWD), caused by Enterotoxigenic *Escherichia coli* (ETEC) that play a major role
52 (Baker, Billey, & Francis, 1997; Luppi, 2017). PWD leads to pig morbidity and mortality causing
53 considerable economic losses to farmers worldwide (Fairbrother & Gyles, 2012). The ETEC strains
54 possess fimbrial adhesins, identified as F4 or F18, that mediate microbial attachment to the intestinal
55 epithelium (Luppi, 2017). These fimbriae allow ETEC to adhere to specific receptors on the brush
56 border membrane of the small intestine enterocytes (Fairbrother & Gyles, 2012). Beside adhesion,
57 ETEC strains secrete enterotoxins able to impair enterocyte functions by increasing cell cation
58 exchanges and reducing water absorption (Sun & Woo, 2017), finally resulting in a severe diarrhoea.
59 Piglets are not equally susceptible to ETEC infection. Susceptibility to ETEC F4 has been associated
60 to a single nucleotide polymorphism (SNP) located in intron 7 (g.13:8227C>G) of the *Mucin 4* gene
61 (*MUC4*) (Jørgensen et al., 2004; Luise et al., 2019; Rampoldi et al., 2011). Piglets with *MUC4*^G-
62 genotypes express the F4 receptor and are considered susceptible to ETEC F4 infection, while piglets
63 with *MUC4*^{CC} genotype are associated with the resistant phenotype (Jørgensen et al., 2003). On the
64 other hand, susceptibility to the ETEC F18 infection appears to be dependent on the activity of the
65 alpha-fucosyltransferase-1 (*FUT1*) gene, which is the candidate gene for the adhesion to F18 receptor.
66 The g.6:54079560T>C SNP located on *FUT1* gene has been associated with the susceptibility to
67 ETEC F18 infection; piglets with *FUT1*^C- genotypes appear susceptible to ETEC F18 while piglets
68 with *FUT1*^{TT} genotype are resistant to the infection (Meijerink et al., 1997; Muñoz et al., 2018; Vogeli
69 et al., 1997; Wang et al., 2012).

70 At weaning, the gut microbiota of piglets is characterized by a severe compositional changes (Mach
71 et al., 2015), which might impair the barrier effect exerted by symbiotic bacteria towards enteric
72 pathogens (Konstantinov et al., 2006). Notably, the abrupt decrease of *Lactobacillus* spp. at weaning
73 could increase the risk of enteritis, since bacteria belonging to this genus play a major role in disease
74 prevention (Konstantinov et al., 2006). Moreover, the gut microbiota composition of piglets at
75 weaning is also influenced by the host genetic background and by ETEC F4 and ETEC F18 infections
76 (Bin et al., 2018; Messori, Trevisi, Simongiovanni, Priori, & Bosi, 2013; Poulsen et al., 2018).
77 Finally, the administration of antibiotics, which is often recorded in this production phase, impacts
78 the microorganism abundance and may cause a severe disruption of the gut microbiota ecosystem
79 (Blaser, 2016; Mulder et al., 2009; Schokker et al., 2014; Soler et al., 2018; D. Zhang et al., 2016).

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3 80 In European farms, amoxicillin is the main antimicrobial molecule used at weaning, mainly to control
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5 81 ETEC and *Streptococcus suis* infections (Burch & Sperling, 2018). This antibiotic is currently used
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7 82 for therapeutic or metaphylactic purposes and it can be administered either by the parenteral or oral
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9 83 route, for animal group treatment. However, concerns have been expressed for the use of oral
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11 84 formulations, since they exert a selective pressure on the gut microbiota (Kim, Covington, & Pamer,
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13 85 2018; Stanisavljevi et al., 2019; L. Zhang, Huang, Zhou, Buckley, & Wang, 2013). Consequently,
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15 86 antibiotic-resistant bacteria or resistance determinants may increase in the gut microbiota, making it
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17 87 a potential *reservoir* of antibiotic resistance. Strikingly, the oral administration of amoxicillin has
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19 88 been associated with an increase of extended-spectrum beta-lactamase (ESBL) *E. coli* in pigs
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21 89 (Cameron-Veas, Solà-Ginés, Moreno, Fraile, & Migura-Garcia, 2015). Of greater concern is the
22
23 90 spread of multi-drug resistant ETEC strains in European pig herds (Magistrali et al., 2018; Rosager
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25 91 et al., 2017; Smith et al., 2010). In this scenario, a full understanding of the impact of group
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27 92 antimicrobial treatments on gut health in field conditions is long overdue.

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30 94 The interplay between the resistance/susceptibility genotypes to ETEC infection and the use of
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32 95 amoxicillin in modifying the intestinal microbiota during a natural outbreak of PWD has never been
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34 96 investigated.

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37 98 The hypothesis of this study was that the host genotypes for *MUC4* and *FUT1* and the route of
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39 99 administration of amoxicillin could affect the development of PWD and the faecal microbiota
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41 100 composition in weaning piglets naturally infected by ETEC.

101 **Materials and Methods**

103 ***Animal experimental design***

104 Animals were allocated at the animal experimental facility of the Istituto Zooprofilattico Sperimentale
105 dell' Umbria e delle Marche “Togo Rosati” (Perugia, Italy) and were left to acclimatize 4 days before
106 the onset of the experiment. The experiment was authorized by the Italian Ministry of Health
107 (Authorization n°68/2018-PR of 31-01-2018), according to the Italian and European regulations
108 (Directive 2010/63/EU, D.L. 26/2014), and was carried out under the supervision of certified
109 veterinarians.

110 Seventy-two animals were purchased from an Italian herd, positive for ETEC infection, neither piglets
111 nor sows were vaccinated against ETEC and piglets never received antibiotic before entering in the
112 experimental facilities. One piglet was removed from the study, because the animal died within the
113 first week of the experiment. A diagnosis of colibacillosis was made based on lesions and the isolation
114 of ETEC F4 from the gut, according to Luppi (2017).

115 Seventy-one piglets (35 females and 36 males) were divided into three groups (P, O and C) balanced
116 for litter of origin, sex, age at weaning, and weight (Figure S1).

117 Group P (23 piglets) received parenteral administration of amoxicillin (Longocillina L.A.; CEVA),
118 group O (24 piglets) was administrated with oral amoxicillin (Amoxione; Vetoquinol) and group C
119 (24 piglets) received a placebo made with water and was considered the control group. Each pig of
120 group P received the antibiotic *via* intramuscular injection with the recommended dosage of 15 mg/kg
121 bodyweight two administrations at 48 hours interval. The group O received 12-20 mg/kg bodyweight
122 of the suspension orally twice a day, approximately 7:00 am and 7:00 pm for 5 days. Animals were
123 fed with a starter diet from the day of the arrival (d0) until the end of the experiment (d16). The
124 composition of the diet is shown in Table S1.

125 Animals arrived in the facility the day of weaning (d31, N=36 and d38, N=35). Animals were
126 evaluated 4 days after their arrival (T0), following a 4-day period for acclimatization, at the end of
127 the amoxicillin administration (T1) and again 7 days corresponding to the withdrawal period of the
128 antibiotic (T2).

129 Individual fecal samples were collected and fecal consistency scores were individually evaluated at
130 each time point. Fecal scores were categorized after visual observation of the certified veterinarian
131 supervising the experiment as follows: 0= normal stools; 1= loose stools; 2= watery diarrhoea. The
132 individual body weight was also recorded at each time point.

134 ***Microbiological culture, antimicrobial susceptibility testing***

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3 135 To evaluate the susceptibility profiles to antibiotics of the ETEC strains, standard bacteriological tests
4 at each time point were performed.

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7 137 Briefly, the primary isolation from individual fecal samples was carried out on blood agar plates
8 138 (Blood Agar Base, Biolife Italiana Srl, Milan, Italy), supplemented with 5% sheep red blood cells.

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10 139 Plates were incubated at 37°C overnight. Haemolytic *E. coli* isolates were identified using standard
11 biochemical procedures (RapidAPI32E, bioMérieux Italia Spa, Bagno a Ripoli, FI, Italia), followed
12 140 by species-specific PCR as described in the following section “ETEC PCR for adhesin detection”.

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15 142 The isolates resulting positive for the fimbriae factors F4 and F18 were tested for antimicrobial
16 susceptibility using the agar diffusion method on Muller Hinton Agar (Oxoid Ltd, Cambridge, UK),
17 143 according to the EUCAST guidelines (The European Committee on Antimicrobial Susceptibility
18 Testing, 2017). *E. coli* ATCC 25922 was used as control strain. The following antimicrobial discs
19 144 (Oxoid Ltd, Cambridge, UK) were tested: ampicillin (10 µg), amoxicillin/clavulanic acid (30 µg),
20 145 cefotaxime (30 µg), cephazolin (30 µg), chloramphenicol (30 µg), ciprofloxacin (5 µg), gentamicin
21 146 (10 µg), kanamycin (30 µg), nalidixic acid (30 µg), streptomycin (10 µg), sulphonamides (300 µg),
22 147 tetracycline (30 µg) and sulphamethoxazole/ trimethoprim (25 µg). The interpretation of inhibition
23 diameters was carried out following the EUCAST breakpoint tables (The European Committee on
24 148 Antimicrobial Susceptibility Testing, 2017) with the exception of cefazolin, enrofloxacin, kanamycin,
25 149 nalidixic acid, sulphonamides, tetracycline and sulphamethoxazole/ trimethoprim for which CLSI
26 150 M100 breakpoints were used (CLSI, 2018). Intermediate results were classified as resistant.

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GAAGGTCGGAGTCAACGGATTGCGGCCGTTGAGCTGCGT-3' for the allele T (allele 2) and the common primer 5'-GATGGCCGGTTTGGGAACCAGAT-3' were used in the genotyping assay. After thermal cycling was complete, the fluorescent signal was detected by reading the plate in the QuantStudio 12k Flex instrument (Applied BioSystems, ThermoFisher Scientific).

Fecal sample collection and DNA analysis from fecal samples

Faecal samples were collected from the piglet rectum at three different time points: at T0, at T1 and at T2. All faecal samples were directly frozen in liquid nitrogen and further stored at -80°C until use. Genomic DNA of each fecal sample was extracted the Qiagen QIAamp DNA stool kit, following the modified protocol of Dore *et al.*, (2015).

The DNA extracted from fecal samples was analysed by PCR endpoint in order to assess the presence/absence of the genes encoding adhesins F4 and F18 (Casey & Bosworth, 2009).

Microbial profiling was performed using high-throughput sequencing of the V3-V4 hypervariable region of the 16S rRNA gene (2x250 bp paired-end reads) on an Illumina MiSeq platform following the standard Illumina sequencing protocol and by using primers PCR1F_343 (5'-CTTCCCTACACGACGCTCTTCCGATCTACGGRAGGCAGCAG-3') and PCR1R_784 (5'-GGAGTTCAGACGTGTGCTCTTCCGATCTTACCAGGGTATCTAATCCT-3'). The generated FastQ files were first quality checked though the FastQC software (<https://www.bioinformatics.babraham.ac.uk/projects/fastqc/>) and then analysed using the Quantitative Insights Into Microbial Ecology (QIIME) v1.9.1 package (Caporaso *et al.*, 2010) by following the open-reference sub-sampled OTU calling strategy (Rideout *et al.*, 2014). Singleton Operational Taxonomical Units (OTUs) and OTUs with a number of sequences less than 0.005% of the total number of sequences were removed from the dataset (Bokulich *et al.*, 2012). Chimeric sequences were removed using QIIME and by using the BLAST algorithm. All samples with less than 10,000 post-quality control reads were removed from the analysis, which resulted in eliminating only one sample (pig number 622 sampled at T2).

Biostatistical analysis

Basic statistics for the analysis of pig weight were estimated in R v.3.6.0 (TeamCore, 2018) by performing ANOVA analyses with the "aov" function. The Fisher test was used to correlate the *MUC4* and *FUT1* genotypes with the excretion of ETEC F4 and ETEC F18 and the fecal scores. Moreover, the Fisher test was carried out to evaluate the links between the presence of ETEC F4 and

ETEC F18 with the fecal scores. In our analyses, the fecal categories 0 and 1 were considered as “negative” and the score 2 as “positive” for the presence of diarrhoea. Regarding the *MUC4* and *FUT1* genes, we have considered as “resistant” the animals *MUC4*^{CC} and *FUT1*^{TT} and “susceptible” the animals harbouring *MUC4*^{CG}, *MUC4*^{GG}, *FUT1*^{CT} and *FUT1*^{CC} genotypes. Differences among the pig weight and the sex, age, litter of origin, administration routes, *MUC4* and *FUT1* genotypes, susceptibility to ETEC F4 and ETEC F18, and presence/absence of diarrhoea were assessed using ANOVA test and if showing a significant p-value, we performed a *post-hoc* test using the Tukey’s Honest Significant Differences (HSD) test.

For the analysis of microbiota composition, the biom OTU table was imported into R with Phyloseq package (v.1.28.0) (McMurdie & Holmes, 2013). Vegan v2.5-5 package (Oksanen et al., 2019) was used for the rarefaction on the OTU level of each experimental group. Richness and diversity analyses were performed at the OTU level. Alpha diversity was calculated with Shannon index, beta diversity through the Whittaker’s index and richness was evaluated as the total number of OTUs present in each sample. To assess the diversities, the ANOVA was performed on α and β diversity and on log10 richness using the “aov” procedure in R. The Tukey’s HSD was also calculated. Vegan’s Non-Metric Multidimensional Scaling (NMDS), using the Bray-Curtis distance and with the “metaMDS” function that standardizes the scaling in the result, was used to represent the global diversity of faecal microbiota composition between samples. The function “envfit” in Vegan was used to fit environmental factors onto the NMDS ordination to compare the groups and evaluate the statistical significance. The permutational Multivariate Analysis of variance (PERMANOVA) using the Bray-Curtis distance was performed using the “adonis” function in order to assess the community differences between groups. The significance threshold was set at $p < 0.05$.

The differential abundance analysis was performed using the function “fitZig” in the metagenomeSeq (v.1.26.0) package at the OTU level (Paulson, Stine, Bravo, & Pop, 2013). The *MUC4* genotype and the age at T0, the antimicrobial treatment at T1, the fecal score (categories: 0, 1, 2) and the antimicrobial treatment at T2 were taken into account in the model as co-factors. In order to make a pairwise comparison of differentially abundant OTUs between the experimental groups (C vs. P, C vs. O, P vs. O), we performed the differential abundance analysis at T1 and at T2, using “fitZig” function. The resulting differentially abundant (DA) OTUs have been plotted in Venn diagrams using Venny 2.1 (Oliveros, 2013).

Results

Microbiological culture and antimicrobial susceptibility testing

Results showed that the piglet groups were naturally infected by ETEC F4 (N =50) and F18 (N =20) at T0, while only F18 (N =61) was still detected at T1. Few animals were positive for ETEC F4 (N =3) and F18 (N =8) at T2 (Figure S2; Table S2). In particular, at T0 43 animals tested positive for ETEC F4 and negative for ETEC F18 while 7 piglets were positive for both; 8 animals were negative for both ETEC F4 and F18 and 13 animals were negative for ETEC F4 and positive for ETEC 18. Regarding the susceptibility testing, both the ETEC F4 and ETEC F18 isolates were classified as multi-resistant, showing resistance to beta-lactams (ampicillin and amoxicillin/clavulanic acid), phenicols (chloramphenicol), quinolones (ciprofloxacin and nalidixic acid), sulphonamides (sulphonamides and sulphamethoxazole/ trimethoprim) and tetracycline. The ETEC F4 isolates, differently from the ETEC F18 ones, were also resistant to streptomycin. Both ETEC F4 and ETEC F18 showed susceptibility to cephalosporins (cefazolin and cefotaxime), gentamicin and kanamycin.

Animal genotypes for MUC4 and FUT1

For *MUC4*, 19 pigs had *MUC4*^{CC} resistant genotype for ETEC F4 and 52 had the susceptible genotype for ETEC F4 (36 *MUC4*^{CG} and 16 *MUC4*^{GG}). As regards to *FUT1*, 13 *FUT1*^{TT} for ETEC F18 resistant pigs and 58 for ETEC F18 susceptible pigs (25 *FUT1*^{CC} and 33 *FUT1*^{CT}) were observed (Figure S2). Overall, 52 and 58 pigs had a genotype susceptible to ETEC F4 and F18, respectively. Forty-one pigs were susceptible to both ETECs (6 were *MUC4*^{GG}, *FUT1*^{CC}; 6 were *MUC4*^{GG}, *FUT1*^{CT}; 9 were *MUC4*^{CG}, *FUT1*^{CC} and 20 were *MUC4*^{CG}, *FUT1*^{CT}). Nine pigs were susceptible for ETEC F4 while being resistant for F18 (two had *MUC4*^{GG}, *FUT1*^{TT} and 7 had *MUC4*^{CG}, *FUT1*^{TT}). In addition, 17 pigs were resistant for ETEC F4 and susceptible for ETEC F18 (7 pigs were *MUC4*^{CC}, *FUT1*^{CT} and 10 pigs were *MUC4*^{CC}, *FUT1*^{CC}). Two pigs were resistant to both ETECs, showing the variants *MUC4*^{CC} and *FUT1*^{TT}. The composition of the experimental groups according to the pigs' genotypes is reported in Table S3.

Animal phenotypes and correlation with genotypes

All phenotypic traits are summarized in table S2.

ANOVA tests on the individual body weights did not show significant differences among the groups at any of the three time points ($p > 0.05$). Moreover, the sex of the animals and the presence/absence of diarrhoea did not affect the weight of the animals ($p > 0.05$). Using the ANOVA analysis, the weight was different between the two ages of the piglets at the three time points (T0, $p = 0.003$; T1, $p = 0.0005$;

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3 269 T2, $p=0.0004$) and consequently by litter of origin (T0, $p=0.002$; T1, $p=0.0001$; T2, $p=0.0003$). The
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5 270 younger piglets (d31) weighted less than the older piglets (d38) at weaning; however, animals were
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7 271 balanced in all the three groups. At T0, *MUC4* and *FUT1* genotypes, presence of ETEC F4 and ETEC
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9 272 F18 did not affect the weight of animals.
10 273 At T1, ANOVA showed differences in the piglets body weight according to the *FUT1* gene (ANOVA,
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12 274 $p=0.01$). The *post-hoc* test showed differences between *FUT1*^{CC} and *FUT1*^{CT} genotypes (Tukey's
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14 275 HSD, $p=0.01$), but did not show differences between the comparison of *FUT1*^{CC} vs. *FUT1*^{TT} and
15 276 between *FUT1*^{CT} vs. *FUT1*^{TT} (Tukey's HSD, $p>0.05$). *MUC4* genotypes and the presence of ETEC
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17 277 F18 did not affect the weight of animals ($p>0.05$).
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19 278 Moreover, at T2 we described that the weight was influenced by the *FUT1* gene (ANOVA, $p=0.02$)
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21 279 which were referred to *FUT1*^{CC} and *FUT1*^{CT} (Tukey's HSD, $p=0.04$) and not to *FUT1*^{CC} vs. *FUT1*^{TT}
22 280 or *FUT1*^{CT} vs. *FUT1*^{TT} (Tukey's HSD, $p>0.05$). *MUC4* genotypes, the presence of ETEC F4 and
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24 281 ETEC F18 did not affect the weight of animals ($p>0.05$).
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26 282 The fecal scores were recorded and the results at each time points are reported in Figure S2. At T0,
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28 283 we described 43, 11 and 17 animals with 0, 1 and 2 category of fecal score, respectively; at T1 we
29 284 observed a higher number of animals with diarrhoea (fecal score 2; N=25) than without diarrhoea
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31 285 (fecal score 0, N=17; fecal score 1, N=29). At T2, the fecal consistencies of piglets fell in categories
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33 286 0 (N=34) and 1 (N=27), with only 10 animals presenting diarrhoea.
34 287 At T0, Fisher tests showed that susceptible *MUC4* genotypes were significantly associated with the
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36 288 presence of ETEC F4 ($p=0.003$) and the occurrence of diarrhoea (categories 0, 1= negative for
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38 289 diarrhoea; category 2= positive for diarrhoea) ($p=0.01$). However, the *MUC4* resistant genotype was
39 290 associated with an ETEC F4 negative status but also with a higher diarrhoea score. In this case, 9/19
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41 291 animals with a *MUC4* resistant genotype and 8/52 animals with a *MUC4* susceptible genotype showed
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43 292 diarrhoea (Figure S2, Table 1). At T1, no ETEC F4 was detected. We found that *FUT1* genotypes
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45 293 were significantly associated with the presence of ETEC F18 ($p=0.01$) but not with the fecal scores
46 294 ($p>0.05$) at T1; however, the cases of diarrhea were more frequent in susceptible *FUT1* animals than
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48 295 in the resistant *FUT1* piglets. At T2, we did not describe any effect taking into account the *MUC4*
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50 296 and *FUT1* genotypes associated with either the ETEC F4 and ETEC F18 infections or the fecal scores
51 297 (Figure S2, Table 1). No association was found between the fecal score and the presence of ETEC F4
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53 298 or F18 ($p>0.05$) at each time point.
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300 ***Correlation between the antibiotic administration routes and the ETEC status***

58 301 Antibiotic administration did not influence the ETEC F4 status of the animals at the three time points
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60 302 ($p>0.05$). Conversely, antibiotic administration showed a significant association with the status of

ETEC F18 at T1 ($p=0.017$), with the group P having less ETEC F18 positive pigs ($N=17$) than the other two groups (Group O, $N=24$ and Group C, $N=20$). At T2 a difference in the number of ETEC F18 positive pigs was observed in the three groups ($p=0.004$): seven animals were ETEC F18 positive in the group treated orally, while only one ETEC F18 positive piglet was found in the group C and none in the group P. Moreover, the antibiotic treatments were associated with the fecal score at T1 ($p=0.009$) and at T2 ($p=0.02$), with more animals showing diarrhoea in the group O compared to the other two groups (Figure S2, Table 2).

Faecal microbiota sequencing, identification and annotation of OTUs

After quality control, a mean of 36706 reads were available for each sample. OTU counts per sample and OTU taxonomical assignments are available in supplementary Table S4. Sequences across the whole sample sets were successfully clustered into 1080 OTUs and only (10/1080) 0.92% of the OTUs could not be assigned to any phylum. Globally, 553 out of 1080 OTUs were annotated at the genus level (51%). The Firmicutes (584/1080) and Bacteroidetes (391/1080) phyla represented 54% and 36% of the annotated OTUs, respectively. The 97% (567/584) OTUs belonging to the Firmicutes phylum were assigned to the Clostridiales order, 48% (254/567) to the Ruminococcaceae family and 27% (152/567) to the Lachnospiraceae family. The 54% (209/391) OTUs annotated to the Bacteroidetes phylum were assigned to the *Prevotella* genus. Other phyla were also present but with lower percentages of OTUs (e.g. 5% Proteobacteria, 2% Spirochaetes, 0.5% Actinobacteria, 0.3% Fusobacteria, 0.3% Fibrobacteres, 0.3% Actinobacteria, 0.2% Deferribacteres, 0.04% Tenericutes; Figure S3). The effect of the time resulted to be significant between time points, showing clusters in the NMDS plot (envfit test, $p=0.004$; Figure S4).

Differences in the faecal microbiota at T0 in piglets

The overall composition of the microbiota at T0 (NMDS, Figure 1) was mainly driven by *MUC4* gene (Adonis test, $p=0.004$), the age of the piglets (Adonis test, $p=0.001$) and the fecal score (Adonis test, $p=0.001$), whereas *FUT1* genotype and the presence of ETEC F4 and ETEC F18 had no influence (Adonis test, $p>0.05$). The beta diversity was different only between the class of ages of the piglets (ANOVA test, $p=0.001$; Figure S5B) showing that the group weaned at 38 days of age had a lower beta diversity, comparing to the animals of 31 days of age, but animals were equally distributed in groups P, C and O (Figure S1B). In the NMDS plot, the *MUC4* genotypes (envfit test, $p=0.018$; Figure 1A), the age of piglets (envfit test, $p=0.039$; Figure 1B) and the fecal score (envfit test, $p=0.0004$; Figure 1C) showed significant values for the envfit analysis. The alpha diversity at OTU level was not different between the groups taking into account the *MUC4* gene and the fecal

score (ANOVA test, $p>0.05$; Figure S5A, S5C), but the co-factor age of the piglets revealed differences (ANOVA test, $p=0.002$; Figure S5B), showing the 38 days-old piglets had a higher alpha diversity. Moreover, the same finding was described in the observed microbial richness between the groups when analysing the *MUC4* gene and the fecal score effect (ANOVA test, $p>0.05$; Figure S5A, S5C) and the age of piglets (ANOVA test, $p=0.001$; Figure S5B). Since the presence of diarrhoea was correlated with the *MUC4* gene, the *MUC4* genotype and the age at T0 were used in the model of the differential analysis at the OTUs level, describing 68 DA OTUs (Table S5; Figure S6A). Globally, OTU belonging to *Oscillospira* genera and the *Actinobacillus porcinus* were more abundant in the resistant *MUC4* genotype. Moreover, the same differential analysis was carried out taking into account in the model only the diarrhoea phenotype (fecal scores 0 and 1= negative; fecal score 2= positive) and we identified 153 DA OTUs (Table S6; Figure S6B). Among them, 71 DA OTUs were more abundant in animals without diarrhoea and 82 OTUs were overabundant in piglets with diarrhoea. OTUs more abundant in pigs without diarrhoea belonged mainly to Ruminococcaceae and Christensenellaceae families. *Bacteroides*, *Parabacteroides*, *Fusobacterium* genera and Pasteurellaceae family were predominant among the OTUs more abundant in the diarrhoeal animals.

Differences in the faecal microbiota at T1 in piglets

The overall composition of the microbiota at T1 (NMDS, Figure 2A) was mainly driven by the antibiotic treatment (Adonis test, $p = 0.0009$), whereas *MUC4* and *FUT1* genotypes, ages, fecal score and the status of ETEC F4 and ETEC F18 had no influence (Adonis test, $p>0.05$). The beta diversity was not different between the antimicrobial treatment groups (ANOVA test, $p>0.05$; Figure 2B). In the NMDS plot, the centroids of the group O appeared separated from the other two groups, resulting in a significant value (envfit test, $p=0.02$; Figure 2A). The alpha diversity at OTU level was different between the antimicrobial groups (ANOVA test, $p=0.03$; Figure 2B), showing a lower alpha diversity in the group O. Nevertheless, the observed microbial richness did not show differences between the antimicrobial treatment groups (ANOVA test, $p>0.05$; Figure 2B). The antibiotic administration groups had 187 DA OTUs (Table S7; Figure S6C) in metagenomeSeq analyses. There were several OTUs annotated as *Lactobacillus* spp. in the whole dataset. Since at least one OTU was found DA in most comparisons between experimental groups, we decided to further explore the global abundance of *Lactobacillus* spp. by adding the abundances of the OTUs in the whole dataset at T1 (OTUs 292057, 24271, 725198, 536754, 588197, 549756, 553352, 302975, 703741, 807795). Normalized global abundance of *Lactobacillus* in each group clearly showed an increase of abundance in the group C and in the group P comparing to the group O (Figure 3A).

Accordingly, ANOVA analyses showed significant differences ($p=8.56 \times 10^{-5}$) among the three groups at the OTUs level. In addition, the *post-hoc* test showed differences between the O vs. C group (Tukey's HSD, $p=0.0001$), P vs. O group (Tukey's HSD, $p=0.01$) and did not show a significant p -value among C vs. P group (Tukey's HSD, $p>0.05$). When comparing two groups, we have described 144 DA OTUs in the comparison P vs. O, 127 O vs. C and 65 by comparing P vs. C (Tables S8, S9 and S10, respectively). In the Venn diagram, the overlapping DA OTUs between the two by two groups comparison is showed (Figure 2C).

Differences in the faecal microbiota at T2 in piglets

The overall composition of the microbiota at T2 (NMDS, Figure 4) was mainly linked to the antibiotic treatment (Adonis test, $p=0.0001$) and the fecal score (Adonis test, $p=0.0002$), whereas *MUC4*, *FUT1* genotypes, the age and the presence of ETEC F4 and ETEC F18 had no influence (Adonis test, $p>0.05$). The beta diversity was not significantly different across the antimicrobial treatment groups (ANOVA test, $p>0.05$). In the NMDS plot, the centroids of the group O appeared separated from the P and the C group, resulting in a significant value (envfit test, $p=0.03$; Figure 4A). The alpha diversity at OTU level and the observed microbial richness did not show differences among the groups (ANOVA test, $p>0.05$; Figure 4B). Moreover, the antibiotic administration differential analysis at the OTUs level identified 124 DA OTUs (Table S11; Figure S6D). Since at least one OTU was found DA in most comparisons between experimental groups, we decided to further explore the global abundance of *Lactobacillus* spp. by adding the abundances of the OTUs in the whole dataset at T2 (OTUs 292057, 24271, 725198, 536754, 588197, 581474, 549756, 553352, 302975, 703741, 807795). We described that *Lactobacillus* spp. was more abundant in the group C (Figure 3B). ANOVA analyses showed significant differences ($p=0.001$) between the experimental groups. In addition, the *post-hoc* test showed significant differences between P vs. C group (Tukey's HSD, $p=0.0009$) and a significant trend between the O vs. C group (Tukey's HSD, $p=0.055$). No differences were described between O and P group (Tukey's HSD, $p>0.05$). When comparing two groups, we have described 162 DA OTUs in the comparison O vs. C, 61 P vs. O and 51 when comparing P vs. C (Tables S12, S13 and S14, respectively). In the Venn diagram, the overlapping DA OTUs among the different comparisons are showed (Figure 4C). In the DA OTUs belonging to the O vs. C comparison, we have described *Prevotella copri*, *Ruminococcus* and *Lactobacillus* to be more abundant in the C than in the O group.

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Discussion

The present study investigates a common situation occurring in commercial pig herds during the weaning period, when animals are naturally infected by ETEC strains and simultaneously treated with antibiotics. The post-weaning period is associated with multiple stressors, causing a faecal microbiota dysbiosis, which is among the leading causes of post-weaning diarrhoea in piglets. The study was focused on the interactions among the host genetics, the phenotype traits and the faecal microbiota composition in field conditions.

In our study, the weight gain was not affected by the genotypes of animals: this findings is in accordance with other reports (Casini et al., 2016; Poulsen et al., 2018). We found an association between a susceptible genotype for *MUC4* gene and the shedding of ETEC F4, confirming the role of this gene in the host susceptibility to the infection. Similarly, we showed an association between the susceptible *FUT1* genotype and the presence of ETEC F18. The association of the *MUC4* and *FUT1* genes with diarrhoea have been largely described in literature (Casini et al., 2016; Jørgensen et al., 2004; Luise et al., 2019; Meijerink et al., 1997; Poulsen et al., 2018; Vogeli et al., 1997; W. Zhang et al., 2017). However, the *MUC4* resistant genotype was characterized by a higher diarrhoea score, which is in contrast with a previous study (Luise et al., 2019). It should be noted that a small percentage of animals with the resistant genotype could show susceptible phenotypes (Joller et al., 2009) and this may explain our findings. Likewise, the susceptible *FUT1* genotype was not associated with the presence of diarrhoea. In this experiment, we decided to use naturally infected piglets, therefore the infectious load was not homogeneous in the animals and this has to be considered as a possible source of bias in our study. In addition, dysbiosis, which is associated with diarrhoea, is commonly reported in this phase and may have confounded our results (Gresse et al., 2017; Lallés et al., 2007). Taking together, our results confirm the role of host genotype on the susceptibility to ETEC infection, but our data suggest that other factors may play a role in determining the presence of diarrhoea in field conditions.

The investigation on the faecal microbiota composition showed that in animals without antimicrobial treatments during weaning, the intestinal microbiota is mainly influenced by the *MUC4* genotypes, as reported in previous studies (Luise et al., 2019; Messori et al., 2013). We associated *Actinobacillus porcinus* to the *MUC4* resistant group. Interestingly, *Actinobacillus porcinus* has been described in weaned piglets with a high weight gain (Nowland, Plush, Barton, & Kirkwood, 2019), thus confirming its beneficial role in porcine gut health. Contrary to what reported by Messori et al., (2013), we did not described *Clostridium barlettii* in the resistant *MUC4* piglets, in accordance to the recent study of Luise et al., (2019). Furthermore, the *Oscillospira* genus was also more abundant in the resistant *MUC4* animals: this is not surprising since this genus belong to the Ruminococcaceae

family which usually increases after weaning and it is associated with a non-dysbiotic gut (Frese, Parker, Calvert, & Mills, 2015; Huang et al., 2019; Mach et al., 2015).

Moreover, we described a different composition of the faecal microbiota in diarrhoeic animals compared to non-diarrhoeic animals, confirming the role of dysbiosis in the development of diarrhoea. DA OTUs showed that in the piglets with diarrhoea the *Bacteroides*, *Parabacteroides*, *Fusobacterium* genera and the bacteria belonging to the Pasteurellaceae family dominated. Our results about *Fusobacterium* is in accordance with what already reported in literature, where a higher abundance of this genus in dysbiotic animals than in healthy piglets is described (Huang et al., 2019). Finally, we confirmed the role of age at weaning as a major influencer of the intestinal microbiota in piglets, as reported in previous papers (Bian et al., 2016; Massacci et al., Submitted; Soler et al., 2018). In our study, we described a more homogeneous and richer microbiota composition in the oldest piglets compared to the younger ones, which is in accordance with other finding produced by the same group (Massacci et al., Submitted).

Besides the genotype, the antibiotic treatment seems to have an effect on the presence of diarrhoea at T1 and T2. Pigs administered with amoxicillin were at higher risk for diarrhoea when compared to non-treated piglets. Likewise, the risk of shedding ETEC F18 was higher in piglets treated with amoxicillin by the oral route than in not-treated animals or piglets with parenteral administration route. Amoxicillin could not exert an anti-bacterial effect on the ETEC strains, since both the ETEC F4 and ETEC F18 were resistant to this antibiotic.

On the contrary, the amoxicillin treatment affected the faecal microbiota of piglets, at T1 and T2. The amoxicillin exposure resulted in significant alterations of the fecal microbiota population evaluated immediately after the end of the treatment, showing a lower alpha diversity in the orally administered group and thus confirming a more direct effect on the microbiota composition. The shifts were different according to the two administration routes. In the group that received amoxicillin orally, we described a decreased abundance of the commensal *Lactobacillus*. This finding is in accordance with what was reported in a previous study (Connelly, Subramanian, Hasan, Colwell, & Kaleko, 2018), where a lower abundance of *Lactobacillus* was associated with the administration of amoxicillin through the oral route. This is consistent with the clinical activity of amoxicillin (Burch & Sperling, 2018), which may affect the abundance of Gram-positive commensals, such as *Lactobacillus* species. Moreover, it has been described that the abrupt decrease of *Lactobacillus* spp. at weaning could increase the risk of enteritis, since bacteria belonging to this genus play a major role in disease prevention (Konstantinov et al., 2006). Our data suggest that the oral administration of amoxicillin can deeply modify the faecal microbiota, therefore reducing its barrier effect towards ETEC infection

and finally resulting in an increased colonization by the pathogen. The same effect was not recorded after a parenteral administration, since the faecal microbiota of piglets in the group treated by the parenteral route were close to the one of the control group. After the withdrawal period of amoxicillin, the control group showed a higher abundance of OTUs belonging to the *Lactobacillus* genus compared to both groups administered with amoxicillin, demonstrating that even the parenteral administration had a long-term effect on the abundance of *Lactobacillus* in piglets gut.

However, the differential analysis after the withdrawal period confirmed the parenteral administration of amoxicillin had a lower impact on the faecal microbiota composition compared to the oral administration. In fact, taking the control group as a reference, the number of differentially abundant OTUs was higher in the group receiving amoxicillin by the oral route than in the one receiving amoxicillin by the parenteral route. In our investigation, we have described that the control and the parenteral administered group had a higher abundance of *Prevotella copri*, *Ruminococcus* and *Lactobacillus* species compared to the oral administered group, in accordance with previous studies (Connelly et al., 2018; Konstantinov et al., 2006). These results highlight that the microbiota composition of the intestine of piglets is highly affected by the antimicrobial administrations by the oral route.

It has to be noted that in commercial pig herds, amoxicillin is mainly administered through feed or water as a metaphylactic treatment to control Streptococcosis and PWD (Burch & Sperling, 2018; Haas & Grenier, 2016; Waack & Nicholson, 2018). Amoxicillin is currently considered an extremely valuable antimicrobial in both human and animal medicine and remains in the critically important category of antibiotics by the World Health Organization (WHO, 2017). In our study, the ETEC F4 and ETEC F18 were multi-drug resistant which is a common feature of ETEC strains in Europe (Magistrali et al., 2018). When amoxicillin is used in group treatment, there is the risk of creating a selective pressure favourable to amoxicillin-resistant ETEC strains, thus making colonization easier. Since pathogenic bacteria are becoming increasingly resistant to antimicrobials, new practises, aimed to limit the administration of antimicrobials, should be encouraged.

In our study, we confirm that the *MUC4* and *FUT1* genotypes are associated with the susceptibility to ETEC F4 and F18 infection, respectively. The association between diarrhoea and the piglets' *FUT1* genotype was not shown, probably due to the presence of multiple variables at the same time. Overall, the *MUC4* and *FUT1* were confirmed as genetic markers for the susceptibility to ETEC infections in pigs. Moreover, our data highlight that group amoxicillin treatment may produce adverse outcomes on pig health in course of multi-resistant ETEC infection and this effect is stronger when the antibiotic is orally administered than parenterally. Alternative control measures, such as selection of resistant

genotypes or vaccination, should be included in farm management practices to preserve a balanced and stable gut microbiota in weaners.

For Peer Review

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Availability of data and materials

The raw sequencing data has been submitted to NCBI’s Sequence Read Archive (SRA) repository (BioProject: PRJNA543556; Biosample: SUB5638166, accessions 11771978 to 11772198).

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Conflict of Interest Statement

The authors declared that they had no conflict of interests with respect to their authorship on the publication of this article.

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FIGURES

Figure 1: Plots include only the samples obtained from T0. Dissimilarities in gut microbiota composition represented by the non-metric multidimensional scaling (NMDS) ordination plot, with Bray-Curtis dissimilarity index calculated on unscaled OTU abundances. The centroids of each group are features as the group name on the graph (“envfit”; Vegan R package). Samples are coloured by *MUC4* gene (A): resistant (R, red) and susceptible (S, pink) genotypes; by age (B): 31 days-old (31d, light blue) and 38 days-old (38d, blue) and by fecal score (C): category 0 (green), 1 (orange) and 2 (red).

Figure 2: Plots include only the samples obtained from T1. (A) Dissimilarities in gut microbiota composition represented by the non-metric multidimensional scaling (NMDS) ordination plot, with Bray-Curtis dissimilarity index calculated on unscaled OTU abundances. Samples are coloured by experimental groups: control (C, blue), amoxicillin oral-administered (O, orange) and amoxicillin parenteral-administered (P, purple). (B) Box plot graph representation of the alpha diversity (Shannon index), beta diversity (Whittaker's index) and richness (total number of OTUs present in each sample) using the rarefied OTU table for each group and time point. Samples are coloured by experimental groups: control (C, blue), amoxicillin oral-administered (O, orange) and amoxicillin parenteral-administered (P, purple). (C) Venn diagram representing the overlaps of differentially abundant OTUs more abundant belonging to the comparison of two experimental groups (C vs. P, C vs. O, P vs. O) (“fitZig”; MetagenomeSeq R package). Group are coloured by comparisons: control vs. amoxicillin parenteral-administered (C vs. P, yellow), control vs. amoxicillin oral-administered (C vs. O, blue) and amoxicillin oral-administered vs. amoxicillin parenteral-administered (O vs. P, green).

Figure 3: Abundances of *Lactobacillus* spp. at T1 (A) and T2 (B) among the experimental groups. Samples are coloured by experimental groups: control (C, blue), amoxicillin oral-administered (O, orange) and amoxicillin parenteral-administered (P, purple). Abundances were calculated as the addition of normalized for OTUs annotated as *Lactobacillus* spp. in the whole dataset (MetagenomeSeq R package). The notched boxplots displays the confidence interval around the median. If two boxes' notches do not overlap there is ‘strong evidence’ (95% confidence) their medians differ and consequently the difference is described as “statistically significant at the .05 level”.

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3 756 **Figure 4:** Plots include only the samples obtained from T2. (A) Dissimilarities in gut microbiota
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5 757 composition represented by the non-metric multidimensional scaling (NMDS) ordination plot, with
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7 758 Bray-Curtis dissimilarity index calculated on unscaled OTU abundances. Samples are coloured by
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9 759 experimental groups: control (C, blue), amoxicillin oral-administered (O, orange) and amoxicillin
10 760 parenteral-administered (P, purple). (B) Box plot graph representation of the alpha diversity (Shannon
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12 761 index), beta diversity (Whittaker's index) and richness (total number of OTUs present in each sample)
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14 762 using the rarefied OTU table for each group and time point. Samples are coloured by experimental
15 763 groups: control (C, blue), amoxicillin oral-administered (O, orange) and amoxicillin parenteral-
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17 764 administered (P, purple). (C) Venn diagram representing the overlaps of differentially abundant
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19 765 OTUs more abundant belonging to the comparison of two experimental groups (C vs. P, C vs. O, P
20 766 vs. O) (“fitZig”; MetagenomeSeq R package). Group are coloured by comparisons: control vs.
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22 767 amoxicillin parenteral-administered (C vs. P, yellow), control vs. amoxicillin oral-administered (C
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24 768 vs. O, blue) and amoxicillin oral-administered vs. amoxicillin parenteral-administered (O vs. P,
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26 769 green).

27 770
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29 771 **TABLES**

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33 773 **Table 1:** Distribution of animal status for the presence of diarrhoea according to the *MUC4* and *FUT1*
34 774 genotypes at T0, T1 and T2. Statistical differences calculated using the Fisher exact test in the
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36 775 different comparisons and the *p*-values are reported.

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38 776
39 777 **Table 2:** Distribution of animals status for the presence of diarrhoea according to the experimental
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41 778 groups (C=control, P= parenteral administrated, O=oral administrated) at T0, T1 and T2. Statistical
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43 779 differences calculated using the Fisher exact test in the different comparisons and the *p*-values are
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45 780 reported.

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SUPPLEMENTARY DATA

Supplementary figures

Figure S1: Description of our cohort. Distribution of animals in the experimental groups (C=control, P= parenteral administrated, O=oral administrated).

(A) Bar plot of sex represented in each of the experimental groups. For each group, the bar plot represents the number of individuals ascribed to each sex: female (pink), and male (blue); (B) Bar plot of age at weaning represented in each experimental group. For each group, the bar plot represents the number of individuals ascribed to each age: 31 days-old (31d, orange) and 38 days-old (38d, grey); (C) Bar plot of litter of origin represented in each experimental group. For each group, the bar plot represents the number of individuals ascribed to each litter number: 14N178 (red), 153 (blue), 156 (green), 159159 (purple), 169099 (orange), 16T115 (yellow), 174 (brown) and 177053 (pink); (D) Bar plot of *MUC4* genotypes represented in each experimental group. For group, the bar plot represents the number of individuals ascribed to each *MUC4* genotypes: *MUC4*^{CC} (red), *MUC4*^{CG} (grey) and *MUC4*^{GG} (beige); (E) Bar plot of *FUT1* genotypes represented in each experimental group. For group, the bar plot represents the number of individuals ascribed to each *FUT1* genotypes: *FUT1*^{CC} (red), *FUT1*^{CT} (grey) and *FUT1*^{TT} (beige).

Figure S2: Description of health status of our cohort. Distribution of animals in the experimental groups (C=control, P= parenteral administrated, O=oral administrated).

(A) Bar plot of ETEC F4 represented in each of the experimental groups. For each group, the bar plot represents the number of individuals ascribed to each ETEC F4 status at T0: negative (green) and positive (red); (B) Bar plot of ETEC F4 represented in each of the experimental groups. For each group, the bar plot represents the number of individuals ascribed to each ETEC F4 status at T1: negative (green) and positive (red); (C) Bar plot of ETEC F4 represented in each of the experimental groups. For each group, the bar plot represents the number of individuals ascribed to each ETEC F4 status at T2: negative (green) and positive (red); (D) Bar plot of ETEC F18 represented in each of the experimental groups. For each group, the bar plot represents the number of individuals ascribed to each ETEC F4 status at T0: negative (green) and positive (red); (E) Bar plot of ETEC F18 represented in each of the experimental groups. For each group, the bar plot represents the number of individuals ascribed to each ETEC F4 status at T1: negative (green) and positive (red); (F) Bar plot of ETEC F18 represented in each of the experimental groups. For each group, the bar plot represents the number of individuals ascribed to each ETEC F4 status at T2: negative (green) and positive (red); (G) Bar plot

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3 817 of ETEC F4 represented in each of the *MUC4* genotypes identified as resistant (R) and susceptible
4 818 (S). For each *MUC4* genotype, the bar plot represents the number of individuals ascribed to each
5 819 ETEC F4 status at T0: negative (green) and positive (red); (H) Bar plot of ETEC F4 represented in
6 820 each of the *MUC4* genotypes identified as resistant (R) and susceptible (S). For each *MUC4* genotype,
7 821 the bar plot represents the number of individuals ascribed to each ETEC F4 status at T1: negative
8 822 (green) and positive (red); (I) Bar plot of ETEC F4 represented in each of the *MUC4* genotypes
9 823 identified as resistant (R) and susceptible (S). For each *MUC4* genotype, the bar plot represents the
10 824 number of individuals ascribed to each ETEC F4 status at T2: negative (green) and positive (red); (L)
11 825 Bar plot of ETEC F18 represented in each of the *FUT1* genotypes identified as resistant (R) and
12 826 susceptible (S). For each *FUT1* genotype, the bar plot represents the number of individuals ascribed
13 827 to each ETEC F18 status at T0: negative (green) and positive (red); (M) Bar plot of ETEC F18
14 828 represented in each of the *FUT1* genotypes identified as resistant (R) and susceptible (S). For each
15 829 *FUT1* genotype, the bar plot represents the number of individuals ascribed to each ETEC F18 status
16 830 at T1: negative (green) and positive (red); (N) Bar plot of ETEC F18 represented in each of the *FUT1*
17 831 genotypes identified as resistant (R) and susceptible (S). For each *FUT1* genotype, the bar plot
18 832 represents the number of individuals ascribed to each ETEC F18 status at T2: negative (green) and
19 833 positive (red); (O) Bar plot of diarrhoea status represented in each of the experimental groups. For
20 834 each group, the bar plot represents the number of individuals ascribed to each diarrhoea status at T0:
21 835 score 0 (green), score 1 (orange) and positive (red); (P) Bar plot of diarrhoea status represented in
22 836 each of the experimental groups. For each group, the bar plot represents the number of individuals
23 837 ascribed to each diarrhoea status at T1: score 0 (green), score 1 (orange) and positive (red); (Q) Bar
24 838 plot of diarrhoea status represented in each of the experimental groups. For each group, the bar plot
25 839 represents the number of individuals ascribed to each diarrhoea status at T2: score 0 (green), score 1
26 840 (orange) and positive (red).

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29 842 **Figure S3:** Relative abundance of the Phyla (A) and Genera (B) in each time point for every
30 843 individual belonging to each experimental group (C=control, P= parenteral administrated, O=oral
31 844 administrated). Only Genera present in at least 20% of the individuals are shown.

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34 846 **Figure S4:** Plots include all the samples obtained at T0, T1 and T2. Dissimilarities in gut microbiota
35 847 composition represented by the non-metric multidimensional scaling (NMDS) ordination plot, with
36 848 Bray-Curtis dissimilarity index calculated on unscaled OTU abundances. The centroids of each group
37 849 are features as the group name on the graph (“envfit”; Vegan R package). Samples are coloured by
38 850 time point: T0 (blue), T1 (purple) and T2 (yellow).

Figure S5: Box plots include only the samples obtained from T0. (A) Box plot graph representation of the alpha diversity (Shannon index), beta diversity (Whittaker's index) and richness (total number of OTUs present in each sample) using the rarefied OTU table for each *MUC4* genotype. Samples are coloured by *MUC4* genotypes: *MUC4*^{CC} (red), *MUC4*^{CG} (grey) and *MUC4*^{GG} (beige); (B) Box plot graph representation of the alpha diversity (Shannon index), beta diversity (Whittaker's index) and richness (total number of OTUs present in each sample) using the rarefied OTU table for each age at weaning. Samples are coloured by age: 31 days-old (31d, light blue) and 38 days-old (38d, blue); (C) Box plot graph representation of the alpha diversity (Shannon index), beta diversity (Whittaker's index) and richness (total number of OTUs present in each sample) using the rarefied OTU table for each fecal score. Samples are coloured by diarrhoea status: score 0 (green), score 1 (orange) and positive (red).

Figure S6: Heat maps illustrating the abundances of differentially abundant (DA) OTUs. (A) Heat map of the OTUs differentially expressed at T0 among the susceptible (light pink) and the resistant (red) *MUC4* genotypes; (B) Heat map of the OTUs differentially expressed at T0 among the non-diarrhoeic (green) and diarrhoeic (red) animals; (C) Heat map of the OTUs differentially expressed at T1 among the experimental groups. Samples are coloured by experimental groups: control (C, blue), amoxicillin oral-administered (O, orange) and amoxicillin parenteral-administered (P, purple); (D) Heat map of the OTUs differentially expressed at T2 among the experimental groups. Samples are coloured by experimental groups: control (C, blue), amoxicillin oral-administered (O, orange) and amoxicillin parenteral-administered (P, purple).

Supplementary tables

Table S1: Ingredient and chemical composition of the concentrates of post-weaning pigs.

Table S2: Table summarizing the phenotypic traits and genotypes of piglets.

Table S3: Number of pigs belonging to the experimental groups (C=control, P= parenteral administrated, O=oral administrated) along their distribution on the genotypes for *MUC4* and *FUT1*.

Table S4: The OTU taxonomical assignments and OTU counts in each individual and time point of the whole dataset are showed.

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Table S5: Differentially abundant OTUs when comparing the *MUC4* genotypes and the age categories at T0.

Table S6: Differentially abundant OTUs when comparing the non-diarrhoeic and diarrhoeic animals at T0.

Table S7: Differentially abundant OTUs when comparing the experimental groups at T1.

Table S8: Differentially abundant (DA) OTUs when comparing P (parenteral administrated) vs. C (control) group at T1. DA OTUs were used to be plotted in the Venn diagram (Figure 2).

Table S9: Differentially abundant (DA) OTUs when comparing O (oral administrated) vs. C (control) group at T1. DA OTUs were used to be plotted in the Venn diagram (Figure 2).

Table S10: Differentially abundant (DA) OTUs when comparing P (parenteral administrated) vs. O (oral administrated) group at T1. DA OTUs were used to be plotted in the Venn diagram (Figure 2).

Table S11: Differentially abundant OTUs when comparing the experimental groups at T2.

Table S12: Differentially abundant (DA) OTUs when comparing P (parenteral administrated) vs. C (control) group at T2. DA OTUs were used to be plotted in the Venn diagram (Figure 4).

Table S13: Differentially abundant (DA) OTUs when comparing O (oral administrated) vs. C (control) group at T2. DA OTUs were used to be plotted in the Venn diagram (Figure 4).

Table S14: Differentially abundant (DA) OTUs when comparing P (parenteral administrated) vs. O (oral administrated) group at T2. DA OTUs were used to be plotted in the Venn diagram (Figure 4).

Table 1: Distribution of animal status for the presence of diarrhoea according to the *MUC4* and *FUT1* genotypes at T0, T1 and T2. Statistical differences calculated using the Fisher exact test in the different comparisons and the *p*-values are reported.

Time point	Gene	Susceptibility (S) Resistance (R)	Individual diarrhoea status		Fisher test (p-value)
			Negative	Positive	
T0	<i>MUC4</i>	S	44	8	0.01
		R	10	9	
	<i>FUT1</i>	S	45	13	<i>0.49</i>
		R	9	4	
T1	<i>MUC4</i>	S	34	18	<i>1</i>
		R	12	7	
	<i>FUT1</i>	S	38	20	<i>0.94</i>
		R	8	5	
T2	<i>MUC4</i>	S	45	7	<i>1</i>
		R	16	3	
	<i>FUT1</i>	S	49	9	<i>0.76</i>
		R	12	1	

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Table 2: Distribution of animals status for the presence of diarrhoea according to the experimental groups (C=control, P= parenteral administrated, O=oral administrated) at T0, T1 and T2. Statistical differences calculated using the Fisher exact test in the different comparisons and the p-values are reported.

Time point	Group	Presence of diarrhoea		Fisher test (p-value)
		Negative	Positive	
T0	P	17	6	0.61
	O	17	7	
	C	20	4	
T1	P	11	10	0.009
	O	14	10	
	C	21	3	
T2	P	19	4	0.02
	O	18	6	
	C	24	0	

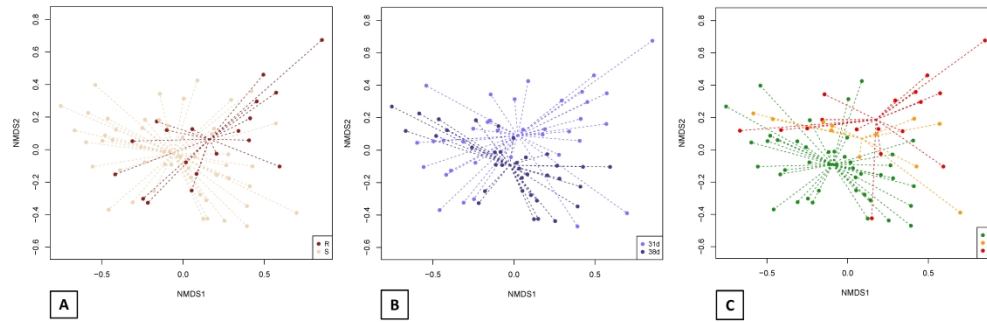


Figure 1

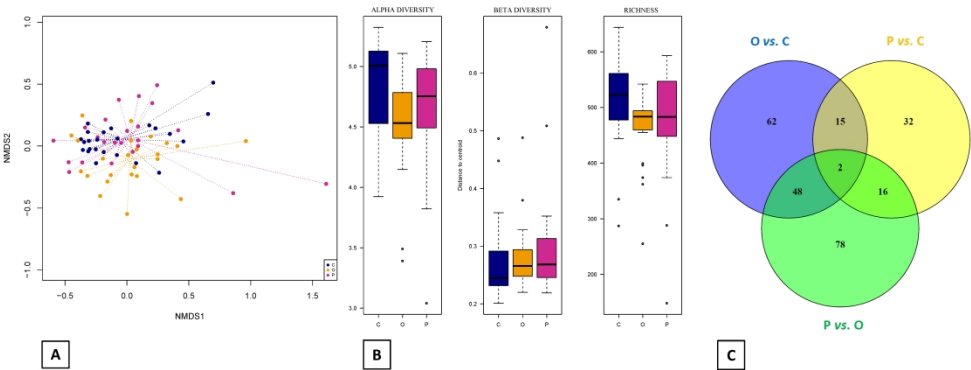


Figure 2

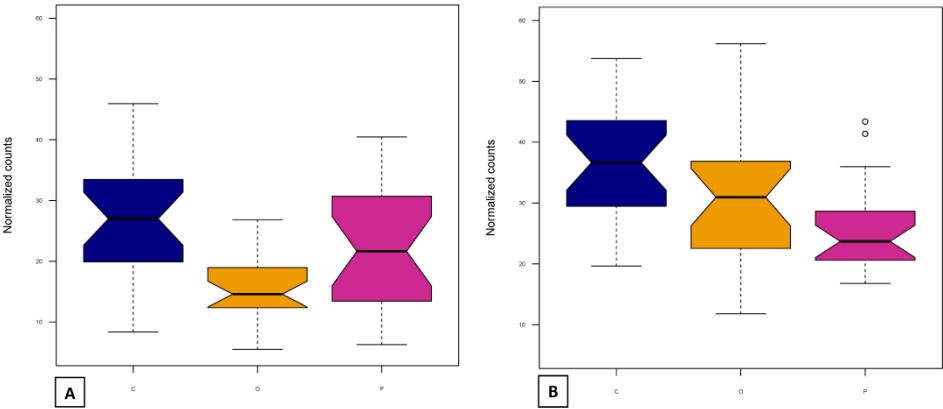


Figure 3

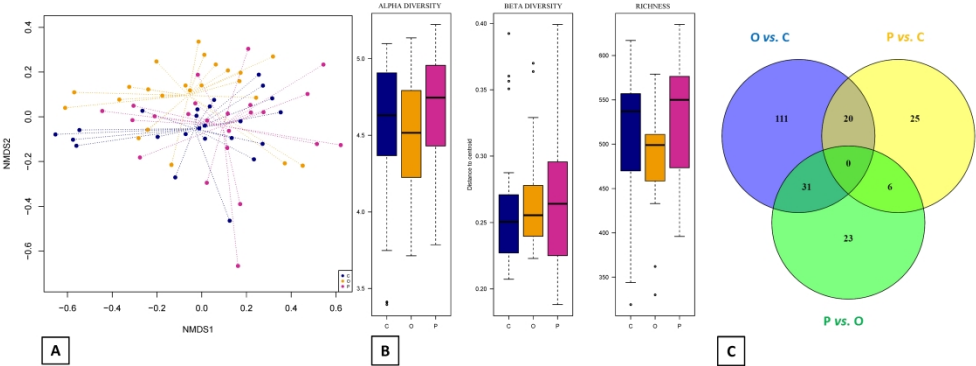


Figure 4

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Table S1: Ingredient and chemical composition of the concentrates of post-weaning pigs.

Ingredients	%
Barley flour	22.00
Biscuit meal	15.00
Whey powder	10.00
Wheat middlings	9.00
Soy protein concentrate	8.50
Maize flour	6.00
Wheat flour	6.00
Corn flakes	5.00
Wheat bran	5.00
Hull-less barley flakes	4.00
Sunflower oil	2.70
Wheat gluten	1.50
Lignocellulose	1.00
Vitamin and mineral pre-mix	2.50
Dicalcium phosphate	0.60
Monocalcium phosphate	0.50
Calcium carbonate	0.50
Sodium Chloride	0.20
Chemical composition %	
Crude protein	16.3
Crude fat	6.3
Cellulose	3.8
Ash	5.4
Calcium	0.5
Phosphorus	0.6
Sodium	0.2
Lys	1.3
Met	0.4

Table S2: Table summarizing the phenotypic traits and genotypes of piglets.

ID PIG	GROUP	FECAL SCORE T0	FECAL SCORE T1	FECAL SCORE T2	WEIGHT T0	WEIGHT T1
504	A	1	2	1	4.08	4.66
526	A	0	1	0	5.4	6.72
551	A	0	2	0	5.6	6.52
555	A	0	2	1	6.4	6.26
558	A	1	1	1	7.86	7.64
563	A	1	1	0	7	6.68
603	A	0	2	1	7.4	8.36
607	A	2	2	2	8.3	9.08
608	A	0	0	1	7.4	9.08
616	A	2	0	1	8.4	9.3
659	A	2	1	2	6.8	7.08
662	A	1	1	2	6.92	6.52
503	A	0	2	1	5.94	6.14
506	A	2	1	0	5.2	5.14
528	A	0	2	0	5.8	6.08
550	A	0	0	1	6.3	7.54
561	A	2	2	1	7.4	6.9
605	A	0	1	0	9.5	10.16
610	A	0	2	2	7.58	7.38
614	A	2	2	0	6.98	7.52
639	A	0	2	0	7.76	7.58
642	A	0	1	0	6.3	6.36
658	A	0	2	1	5.2	6.32
512	B	2	1	1	6.44	7.22
513	B	0	0	0	5.6	6.36
553	B	0	1	2	5.98	7.34
556	B	2	0	1	7.4	7.88
559	B	2	2	1	5	5.05
560	B	2	2	0	8.56	8.28
604	B	0	1	0	8.9	10.28
609	B	0	2	0	9.2	10.38
618	B	0	1	1	7.4	7.72
640	B	0	1	0	7.26	8.82
657	B	2	1	2	7.2	8.38
661	B	0	1	2	4.6	5.32
501	B	2	2	0	6.3	7.04
508	B	0	1	2	4.92	5.24
530	B	2	1	1	5.8	6.02
544	B	0	0	2	5.52	7.4
545	B	0	2	1	7.58	7.24
600	B	0	2	1	8.34	8.88
619	B	0	1	1	7.3	8.02
622	B	1	2	0	6.3	7.16
636	B	0	2	2	10.04	11.02
644	B	1	2	1	8.02	8.42
645	B	0	1	0	5.8	5.9
655	B	1	2	0	5.46	5.66
507	C	1	1	1	6.3	7.04
510	C	2	0	0	6.06	6.58

527	C	1	0	0	7.9	7.96
543	C	0	1	1	6.7	7.06
562	C	2	2	1	5.72	5.04
564	C	2	0	0	8.64	8.12
565	C	2	0	1	7.34	7.1
599	C	0	1	0	6.72	7.14
602	C	0	0	0	7.84	8.56
623	C	0	2	0	6.36	6.92
638	C	0	0	0	6.2	6.84
663	C	0	0	0	5.2	5.12
502	C	0	1	0	5.4	5.76
509	C	0	1	0	5.62	6.26
525	C	0	0	0	5.76	5.6
547	C	0	2	1	5.05	5.24
548	C	0	1	0	7.56	8.06
549	C	0	0	1	3.62	7.26
557	C	1	1	1	7.6	7.6
612	C	0	1	0	7.96	8.44
617	C	0	0	0	7.08	7.86
641	C	1	1	1	7.5	7.66
643	C	0	1	0	5.5	5.86
664	C	0	0	0	5.8	6.06

WEIGHT T2	BIRTH PIGLETS	LITTER	ETEC F4 T0	ETEC F18 T0	ETEC F4 T1	ETEC F18 T1	ETEC F4 T2
5.42	4/29/2018	14N178	POS	NEG	NEG	POS	NEG
7.26	4/29/2018	16T115	POS	POS	NEG	NEG	NEG
7.44	4/29/2018	169099	NEG	POS	NEG	POS	NEG
7.04	4/29/2018	159159	NEG	NEG	NEG	POS	NEG
8.64	4/29/2018	159159	NEG	POS	NEG	POS	NEG
7.38	4/29/2018	159159	NEG	POS	NEG	POS	NEG
9.42	4/22/2018	177063	NEG	POS	NEG	NEG	NEG
10.42	4/22/2018	177063	POS	NEG	NEG	POS	NEG
10.22	4/22/2018	177063	POS	NEG	NEG	POS	POS
10.92	4/22/2018	174	POS	NEG	NEG	POS	NEG
8.18	4/22/2018	153	NEG	POS	NEG	POS	NEG
6.44	4/22/2018	153	POS	NEG	NEG	POS	NEG
6.68	4/29/2018	14N178	POS	NEG	NEG	POS	NEG
5.44	4/29/2018	14N178	POS	POS	NEG	POS	NEG
5.2	4/29/2018	16T115	POS	NEG	NEG	POS	NEG
9.1	4/29/2018	169099	POS	NEG	NEG	NEG	NEG
7.06	4/29/2018	159159	POS	NEG	NEG	POS	NEG
10.86	4/22/2018	177063	POS	NEG	NEG	NEG	NEG
7.38	4/22/2018	174	NEG	POS	NEG	POS	NEG
8.88	4/22/2018	174	NEG	NEG	NEG	NEG	NEG
8.7	4/22/2018	156	POS	NEG	NEG	POS	NEG
6.18	4/22/2018	156	POS	NEG	NEG	POS	NEG
6.98	4/22/2018	153	POS	NEG	NEG	NEG	NEG
7.6	4/29/2018	14N178	POS	NEG	NEG	POS	POS
7.28	4/29/2018	14N178	NEG	NEG	NEG	POS	NEG
7.32	4/29/2018	169099	NEG	POS	NEG	POS	NEG
8.44	4/29/2018	159159	NEG	NEG	NEG	POS	NEG
5.8	4/29/2018	159159	POS	NEG	NEG	POS	NEG
8.82	4/29/2018	159159	NEG	NEG	NEG	POS	NEG
11.56	4/22/2018	177063	POS	POS	NEG	POS	NEG
10.94	4/22/2018	177063	POS	NEG	NEG	POS	NEG
9.63	4/22/2018	174	POS	NEG	NEG	POS	NEG
9.7	4/22/2018	156	POS	NEG	NEG	POS	NEG
9.46	4/22/2018	153	POS	NEG	NEG	POS	NEG
5.64	4/22/2018	153	NEG	POS	NEG	POS	NEG
7.52	4/29/2018	14N178	POS	NEG	NEG	POS	NEG
5.46	4/29/2018	14N178	POS	NEG	NEG	POS	POS
6.92	4/29/2018	16T115	POS	NEG	NEG	POS	NEG
8.1	4/29/2018	169099	POS	NEG	NEG	POS	NEG
7.14	4/29/2018	169099	POS	NEG	NEG	POS	NEG
9.82	4/22/2018	177063	POS	NEG	NEG	POS	NEG
8.56	4/22/2018	174	POS	NEG	NEG	POS	NEG
7.86	4/22/2018	174	POS	NEG	NEG	POS	NEG
11.2	4/22/2018	156	POS	NEG	NEG	POS	NEG
9.68	4/22/2018	156	POS	POS	NEG	POS	NEG
6.48	4/22/2018	156	POS	NEG	NEG	POS	NEG
5.4	4/22/2018	153	POS	NEG	NEG	POS	NEG
7.78	4/29/2018	14N178	NEG	POS	NEG	POS	NEG
6.96	4/29/2018	14N178	POS	NEG	NEG	POS	NEG

1	8.6	4/29/2018	16T115	POS	NEG	NEG	NEG	NEG
2	8.42	4/29/2018	169099	POS	POS	NEG	POS	NEG
3	6.02	4/29/2018	159159	NEG	POS	NEG	POS	NEG
4	9.26	4/29/2018	159159	NEG	POS	NEG	POS	NEG
5	7.92	4/29/2018	159159	POS	POS	NEG	POS	NEG
6	8.2	4/22/2018	177063	NEG	POS	NEG	POS	NEG
7	9.96	4/22/2018	177063	NEG	NEG	NEG	NEG	NEG
8	8.16	4/22/2018	174	NEG	POS	NEG	POS	NEG
9	7.68	4/22/2018	156	POS	NEG	NEG	POS	NEG
10	5.58	4/22/2018	153	POS	NEG	NEG	POS	NEG
11	6.54	4/29/2018	14N178	POS	NEG	NEG	POS	NEG
12	7.06	4/29/2018	14N178	POS	NEG	NEG	POS	NEG
13	6.2	4/29/2018	16T115	POS	NEG	NEG	POS	NEG
14	5.78	4/29/2018	169099	POS	POS	NEG	POS	NEG
15	8.9	4/29/2018	169099	NEG	NEG	NEG	POS	NEG
16	8.18	4/29/2018	169099	POS	NEG	NEG	POS	NEG
17	8.2	4/29/2018	159159	POS	NEG	NEG	POS	NEG
18	9.82	4/22/2018	174	NEG	NEG	NEG	NEG	NEG
19	8.94	4/22/2018	174	POS	NEG	NEG	NEG	NEG
20	8.76	4/22/2018	156	POS	NEG	NEG	POS	NEG
21	6.84	4/22/2018	156	POS	NEG	NEG	POS	NEG
22	6.74	4/22/2018	153	POS	NEG	NEG	POS	NEG
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ETEC F18 T2	SEX PIGLET	MUC4 g	FUT1 g	FUT1	MUC4	AGE PIGLETS AT WEANING (days)
NEG	M	CG	CC	S	S	31
NEG	F	CC	CT	S	R	31
NEG	F	CC	CT	S	R	31
NEG	M	CC	CC	S	R	31
NEG	F	CC	CC	S	R	31
NEG	F	CG	CC	S	S	31
NEG	M	CG	CT	S	S	38
NEG	F	CC	TT	R	R	38
NEG	M	CC	TT	R	R	38
NEG	M	CG	TT	R	S	38
NEG	F	CC	CT	S	R	38
NEG	M	CG	CT	S	S	38
NEG	F	CG	CC	S	S	31
NEG	M	GG	CC	S	S	31
NEG	F	CG	CT	S	S	31
NEG	F	CG	CT	S	S	31
NEG	M	CG	CT	S	S	31
NEG	M	GG	CT	S	S	38
NEG	F	CG	CT	S	S	38
NEG	M	GG	TT	R	S	38
NEG	M	GG	CT	S	S	38
NEG	F	GG	CT	S	S	38
NEG	M	GG	TT	R	S	38
POS	F	CC	CT	S	R	31
NEG	F	CC	CC	S	R	31
POS	M	CG	CT	S	S	31
POS	F	CC	CC	S	R	31
POS	M	CC	CC	S	R	31
POS	F	CC	CC	S	R	31
NEG	F	CG	CT	S	S	38
NEG	M	CC	CT	S	R	38
NEG	M	CG	CT	S	S	38
NEG	F	CG	CT	S	S	38
POS	M	CG	CT	S	S	38
POS	F	CC	CT	S	R	38
NEG	F	CG	CC	S	S	31
NEG	M	GG	CC	S	S	31
NEG	M	CG	TT	R	S	31
NEG	F	CG	CT	S	S	31
NEG	M	CG	CT	S	S	31
NEG	F	CG	CT	S	S	38
NEG	F	CG	TT	R	S	38
NEG	M	CG	TT	R	S	38
NEG	M	GG	CC	S	S	38
NEG	M	GG	CC	S	S	38
NEG	M	GG	CC	S	S	38
NEG	F	GG	TT	R	S	38
NEG	M	CC	CC	S	R	31
NEG	F	CC	CC	S	R	31

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3	NEG	M	CG	CT	S	S	31
4	NEG	F	CC	CC	S	R	31
5	NEG	F	CC	CC	S	R	31
6	NEG	M	CG	CT	S	S	31
7	NEG	F	CC	CT	S	R	38
8	NEG	F	CG	TT	R	S	38
9	NEG	F	CG	CT	S	S	38
10	NEG	M	CG	CC	S	S	38
11	NEG	M	CG	CC	S	S	38
12	NEG	M	CG	CC	S	S	31
13	NEG	M	CG	CC	S	S	31
14	POS	M	CG	CC	S	S	31
15	NEG	F	GG	TT	R	S	31
16	NEG	F	CG	CT	S	S	31
17	NEG	M	CG	CT	S	S	31
18	NEG	F	CG	CT	S	S	31
19	NEG	F	GG	CT	S	S	31
20	NEG	M	GG	CT	S	S	38
21	NEG	M	CG	TT	R	S	38
22	NEG	M	GG	CT	S	S	38
23	NEG	F	GG	CC	S	S	38
24	NEG	M	CG	CC	S	S	38
25	NEG	F	GG	CC	S	S	38
26	NEG	M	CG	CC	S	S	38
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Table S3: Number of pigs belonging to the experimental groups (C=control, P= parenteral administrated, O=oral administrated) along their distribution on the genotypes for *MUC4* and *FUT1*.

Group	<i>MUC4</i> ^{CC}	<i>MUC4</i> ^{CT}	<i>MUC4</i> ^{GG}	<i>FUT1</i> ^{CC}	<i>FUT1</i> ^{CT}	<i>FUT1</i> ^{TT}	Total
C	5	14	5	10	10	4	24
P	7	10	6	6	12	5	23
O	7	12	5	9	11	4	24

For Peer Review

Table S4: The OTU taxonomical assignments and OTU counts in each individual and time point of the wh

OTU	T0-525	T0-528	T0-551	T0-510	T0-547	T0-555	T0-557	T0-619
510286	4	0	4	0	13	4	0	0
581014	29	23	8	0	135	5	1	3
369182	0	3	0	0	8	0	0	1
347226	4	2	7	0	1	0	0	0
347244	11	5	22	0	16	0	1	1
New.ReferenceOTU3115	0	0	0	0	0	0	0	0
289074	0	0	0	0	0	1	1	0
New.ReferenceOTU2431	2	0	0	0	1	11	0	0
New.ReferenceOTU6085	0	0	0	0	0	0	0	0
523542	2	3	3	0	1	6	3	5
253380	0	0	6	0	2	0	2	8
1105552	4	10	8	2	4	4	0	8
909065	5	4	4	0	3	7	1	0
808794	2	1	0	2	1	1	0	0
292387	0	0	0	0	0	0	0	0
34020	31	0	58	0	45	18	2	1
354854	1	0	0	0	0	0	0	0
New.ReferenceOTU3592	0	1	0	0	0	2	12	0
327017	0	0	0	0	0	2	9	0
579431	0	0	0	0	0	30	83	0
1110135	0	0	2	1	0	5	0	4
47477	0	1	4	0	0	4	0	4
577206	11	22	218	9	6	3	1	2
New.ReferenceOTU7476	19	47	324	3	27	11	6	3
753891	8	1	0	1	2	7	2	1
367813	0	0	0	0	0	0	0	4
New.ReferenceOTU890	0	0	1	0	0	3	0	0
846141	4	8	7	26	6	4	18	11
New.ReferenceOTU9845	0	0	0	0	0	12	0	0
358104	0	0	0	0	0	0	0	0
296872	0	0	0	0	0	0	0	0
335488	0	0	0	0	0	0	6	0
New.ReferenceOTU5504	0	0	0	0	0	11	0	0
351063	3	7	21	4	43	1	1	22
335846	0	0	0	0	0	0	1	0
355175	0	0	0	0	0	0	0	0
649107	0	1	0	1	1	2	1	0
1106614	0	0	0	1	1	0	0	0
532235	2	3	5	0	0	0	0	0
331117	1	0	0	0	0	0	0	0
335267	0	0	0	0	0	3	0	0
354957	4	0	0	0	5	3	0	0
328825	6	0	0	0	0	0	3	0
337580	0	11	80	83	3	59	4	6
441468	0	0	4	2	0	7	0	0
578649	0	0	1	2	16	3	1	5
New.ReferenceOTU3851	0	0	0	0	17	0	2	3
New.ReferenceOTU1055	0	0	3	40	1	14	12	4
350447	0	1	0	0	13	515	22	4

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2	New.ReferenceOTU10211	0	0	4	1	0	0	0	1
3	New.ReferenceOTU3003	0	0	0	0	0	1	0	0
4	307722	0	0	0	0	2	0	0	0
5	341204	0	0	0	0	0	0	0	0
6	346606	0	0	0	0	0	0	0	0
7	344804	37	96	0	27	16	0	2	9
8	348227	1	3	0	3	0	0	0	0
9	366986	0	8	13	0	2	0	0	1
10	470382	2	7	4	0	0	0	0	6
11	148304	0	0	0	0	0	0	0	0
12	71089	0	0	0	0	3	0	0	0
13	300123	1	0	11	0	2	1	1	0
14									
15	New.ReferenceOTU8750	0	0	0	0	3	0	1	0
16	727140	0	1	4	0	1	0	0	0
17	366623	0	0	0	0	1	0	0	5
18	509416	0	21	34	4	0	0	0	0
19	529180	0	0	1	0	1	0	0	0
20	425675	0	0	6	0	0	0	0	0
21	1107057	0	0	0	0	0	0	0	0
22	547913	0	0	0	0	0	0	0	0
23									
24	New.ReferenceOTU2124	0	5	1	0	11	13	3	0
25	269413	1	2	1	0	7	2	0	0
26	565357	4	17	46	6	12	1	1	1
27	527413	0	3	0	0	4	0	0	0
28	561193	1	8	1	0	33	2	3	4
29	976470	0	1	0	0	2	0	0	0
30	297677	0	0	0	0	0	0	0	0
31	25842	1	10	0	3	7	1	1	5
32	336501	0	0	0	0	0	0	0	0
33	845291	0	0	1	0	1	0	0	0
34	350666	0	0	1	0	9	1	1	0
35	185961	0	0	1	2	3	6	1	2
36	1029949	0	0	0	0	0	8	1	0
37	91359	0	7	0	5	5	0	2	1
38	581003	3	8	18	0	4	0	2	0
39									
40	New.ReferenceOTU1603	3	3	4	0	0	0	0	0
41	309433	1	2	5	2	0	0	1	1
42	370098	3	0	1	1	2	0	4	3
43	314095	0	0	1	0	3	0	1	0
44	349257	0	7	0	1	8	0	1	0
45									
46	New.ReferenceOTU3994	3	1	0	0	1	7	0	7
47	New.ReferenceOTU5018	0	0	0	7	0	3	0	0
48	848615	0	0	0	10	0	3	0	92
49	584083	0	0	0	51	0	98	33	13
50	587041	0	2	0	0	0	4	2	0
51	358594	0	1	0	1	1	1	0	3
52	518040	0	0	6	0	0	0	0	1
53	4404459	0	0	1	0	3	0	0	1
54	295861	4	1	7	0	5	2	1	2
55	539601	0	7	0	0	3	0	1	0
56									
57	New.ReferenceOTU8783	0	0	0	0	0	0	0	0
58	New.ReferenceOTU4908	0	0	0	0	0	0	0	0
59									
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2		1121634	0	0	0	0	0	0	0	0
3	New.ReferenceOTU5008		0	0	1	0	0	0	0	0
4		1654477	0	0	0	0	0	53	0	0
5		298592	0	0	0	0	0	3	0	0
6		3394073	0	0	0	0	0	0	0	0
7	New.ReferenceOTU2984		0	0	0	0	0	0	0	0
8	New.ReferenceOTU5511		0	0	1	0	0	0	0	0
9		518552	0	0	0	0	0	0	0	0
10			0	0	0	0	0	0	0	0
11	New.ReferenceOTU3384		0	0	0	0	0	0	0	0
12	New.ReferenceOTU8829		0	0	0	0	104	0	0	0
13	New.ReferenceOTU1712		0	0	0	0	3	34	6	0
14		23625	1	2	7	255	270	20	38	21
15		1871	0	5	0	0	0	1	2	24
16		25453	0	0	0	0	0	0	0	0
17			0	0	0	0	0	0	0	0
18	New.ReferenceOTU9945		0	0	0	3	0	5	1	0
19		295094	1	2	2	9	3	0	2	1
20		791348	0	0	0	0	0	0	0	0
21		30569	0	1	5	10	0	2	2	0
22		4453773	16	129	55	123	208	36	78	70
23			0	2	0	3	6	0	0	1
24	New.ReferenceOTU5739		0	0	0	0	0	0	0	0
25	New.ReferenceOTU214		0	0	0	0	0	0	0	0
26	New.ReferenceOTU6457		0	0	1	7	0	1	2	7
27		28056	0	0	0	0	0	13	3	1
28	New.ReferenceOTU10898		0	0	0	0	1	18	2	8
29	New.ReferenceOTU7331		0	0	0	0	0	172	0	67
30		589277	0	0	0	0	1	0	1	0
31			0	1	0	4	0	9	7	12
32	New.ReferenceOTU8027		0	1	0	4	0	9	7	12
33		233549	0	1	0	0	0	0	0	0
34	New.ReferenceOTU10502		0	0	0	0	0	0	6	3
35	New.ReferenceOTU9646		0	0	0	0	0	1	1	0
36	New.ReferenceOTU2		0	0	0	1	0	19	3	4
37		45921	7	2	8	87	5	61	96	43
38			0	0	0	7	1	9	0	1
39	New.ReferenceOTU5165		0	0	0	7	1	9	0	1
40		589071	0	2	0	0	0	0	0	0
41	New.ReferenceOTU4614		0	0	0	36	3	14	6	8
42	New.ReferenceOTU7043		1	0	5	44	2	26	8	4
43		315271	1	152	1	7	1	6	5	0
44		4435235	5	4	2	14	3	3	2	0
45		22466	0	0	2	2	2	0	2	5
46			1	0	0	3	4	0	1	1
47	New.ReferenceOTU10357		1	0	0	3	4	0	1	1
48	New.CleanUp.ReferenceOTU14657		0	0	0	0	2	0	0	1
49	New.ReferenceOTU5967		0	0	0	2	0	21	0	0
50		929493	0	0	0	0	0	0	0	0
51		288265	32	3	19	0	0	0	2	0
52			8	0	27	16	1	64	4	11
53	New.CleanUp.ReferenceOTU50740		8	0	27	16	1	64	4	11
54	New.ReferenceOTU10048		1	4	0	22	2	0	4	1
55		519836	6	31	8	189	24	11	43	20
56		525264	0	1	1	8	1	1	2	2
57		222930	0	0	0	25	2	11	5	26
58	New.CleanUp.ReferenceOTU145223		3	7	33	130	27	15	28	78
59	New.ReferenceOTU10824		0	0	0	0	0	0	0	4
60	New.ReferenceOTU7056		1	0	0	7	2	0	0	2

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2		294053	0	0	0	4	0	4	2
3	New.ReferenceOTU10078		0	0	0	13	10	8	11
4	New.CleanUp.ReferenceOTU101431		11	13	5	37	26	0	8
5	New.ReferenceOTU10129		4	2	19	103	19	2	15
6	New.ReferenceOTU10860		0	0	1	6	1	2	0
7		676082	0	0	0	35	11	173	5
8	New.ReferenceOTU3800		0	0	0	1	1	2	0
9	New.ReferenceOTU10704		15	4	16	67	22	7	11
10	New.CleanUp.ReferenceOTU121760		59	8	54	192	63	26	67
11	New.CleanUp.ReferenceOTU131005		18	4	6	32	24	0	10
12	New.ReferenceOTU1050		0	0	0	4	2	0	1
13	New.ReferenceOTU2877		0	0	1	1	0	0	4
14	New.ReferenceOTU1729		2	0	1	7	2	1	0
15	New.CleanUp.ReferenceOTU86700		0	0	3	9	2	0	2
16	New.ReferenceOTU215		33	6	13	5	11	0	8
17		1061134	4	6	5	3	4	0	12
18		301251	156	125	243	72	128	7	141
19	New.ReferenceOTU10077		8	6	3	10	11	1	5
20	New.CleanUp.ReferenceOTU127194		70	54	22	9	48	0	24
21	New.ReferenceOTU1125		16	9	15	12	23	0	8
22	New.CleanUp.ReferenceOTU58992		0	0	0	0	0	0	1
23		993934	1	1	0	89	0	0	9
24		1013234	12	0	6	47	14	2	16
25	New.ReferenceOTU1012		27	5	20	87	34	1	25
26		938672	0	0	0	2	0	3	0
27	New.ReferenceOTU10052		2	0	0	15	9	60	4
28	New.CleanUp.ReferenceOTU80500		0	0	0	22	2	32	19
29	New.CleanUp.ReferenceOTU69735		0	0	0	1	0	5	2
30		43544	0	0	4	109	28	164	60
31	New.CleanUp.ReferenceOTU115562		1	0	0	35	0	0	2
32	New.CleanUp.ReferenceOTU17624		2	9	5	134	25	1	3
33	New.CleanUp.ReferenceOTU126048		1	1	0	0	16	31	1
34		47554	0	0	0	15	20	52	2
35	New.ReferenceOTU6520		0	13	6	2	23	6	1
36	New.CleanUp.ReferenceOTU8158		0	0	0	0	21	10	12
37	New.ReferenceOTU10736		10	7	3	6	2	0	2
38	New.ReferenceOTU7356		0	6	1	0	0	0	0
39		183598	7	4	3	23	6	1	12
40		925131	47	29	67	269	20	39	116
41	New.CleanUp.ReferenceOTU71794		6	12	2	2	4	0	1
42		248447	11	3	16	0	9	10	22
43	New.ReferenceOTU1755		0	3	0	0	0	0	1
44	New.CleanUp.ReferenceOTU135285		0	17	0	0	0	0	4
45	New.ReferenceOTU11254		0	3	0	0	0	0	0
46		324283	0	68	2	3	5	0	43
47	New.ReferenceOTU8056		0	12	0	0	0	0	2
48	New.CleanUp.ReferenceOTU28513		6	10	3	24	12	1	22
49	New.CleanUp.ReferenceOTU84026		0	0	0	2	1	0	4
50	New.CleanUp.ReferenceOTU127916		1	2	0	7	0	1	11
51	New.CleanUp.ReferenceOTU81746		1	3	7	11	3	0	0
52	New.ReferenceOTU10452		38	47	11	33	29	3	65
53	New.ReferenceOTU2171		2	4	1	28	2	0	9

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2	New.ReferenceOTU2955	0	3	1	6	3	0	10	0
3	New.ReferenceOTU316	2	0	0	5	4	0	0	4
4		346868	93	108	103	394	120	60	388
5		319810	0	0	0	4	3	0	7
6		303112	1	0	1	3	2	0	11
7	New.ReferenceOTU10100	1	0	0	1	0	0	3	4
8	New.ReferenceOTU10020	5	9	5	17	18	4	34	22
9		296374	1	1	3	21	11	3	5
10									18
11	New.CleanUp.ReferenceOTU76296	36	18	9	5	19	0	15	17
12	New.ReferenceOTU1467	0	1	1	0	9	1	1	1
13	New.ReferenceOTU10062	0	7	1	2	1	1	11	14
14	New.ReferenceOTU862	0	1	0	5	0	0	12	4
15	New.ReferenceOTU6723	0	1	0	1	6	0	4	9
16	New.ReferenceOTU7793	0	1	0	1	15	0	6	12
17	New.CleanUp.ReferenceOTU86994	53	8	9	24	20	0	2	16
18	New.ReferenceOTU410	11	3	3	17	4	0	6	13
19	New.ReferenceOTU1693	0	9	3	1	4	0	1	12
20	New.ReferenceOTU7765	0	9	2	12	0	0	9	2
21	New.ReferenceOTU6967	2	0	0	6	6	0	1	2
22	New.ReferenceOTU10003	0	12	2	3	6	1	3	15
23	New.CleanUp.ReferenceOTU2626	16	78	25	17	8	0	9	7
24		527941	1	5	1	5	6	0	8
25		524891	0	4	1	0	2	2	3
26		526701	0	5	0	1	8	0	1
27		513003	1	10	1	2	2	1	0
28									2
29	New.ReferenceOTU10023	7	2	16	1	3	0	17	25
30	New.ReferenceOTU10019	4	4	16	0	4	0	11	9
31		518820	1	0	1	0	0	8	2
32		522364	2	1	1	0	0	3	1
33	New.ReferenceOTU10045	7	39	6	23	14	2	21	27
34		198786	1	13	4	2	1	2	1
35		321743	0	4	3	2	4	2	3
36									2
37	New.ReferenceOTU3520	0	0	2	0	0	8	0	4
38	New.ReferenceOTU1638	0	0	0	2	1	0	4	20
39	New.CleanUp.ReferenceOTU9889	49	8	2	0	3	0	0	7
40	New.ReferenceOTU10683	33	80	1	5	45	1	5	7
41	New.ReferenceOTU807	15	24	7	2	17	3	13	10
42	New.ReferenceOTU9381	35	3	4	4	2	0	2	2
43	New.ReferenceOTU5207	28	53	16	27	55	0	31	19
44		307154	0	12	2	1	4	1	6
45		589329	352	6352	1115	1078	3475	228	2521
46									1566
47	New.CleanUp.ReferenceOTU139368	3	5	0	10	6	2	4	7
48	New.CleanUp.ReferenceOTU27900	79	0	0	0	0	0	0	0
49	New.CleanUp.ReferenceOTU1186	55	12	26	8	7	0	1	13
50	New.ReferenceOTU10889	27	3	15	1	7	0	2	7
51	New.ReferenceOTU10021	7	2	4	5	5	0	1	12
52		342638	45	3	20	4	7	0	3
53		350627	16	1	4	1	7	0	0
54		545061	17	10	6	5	7	1	4
55									27
56	New.CleanUp.ReferenceOTU59345	65	0	1	0	1	0	0	0
57	New.ReferenceOTU10083	134	15	181	8	62	1	13	10
58		558839	0	0	0	1	0	0	4
59									
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2	New.ReferenceOTU11127	4	0	2	1	1	0	1	7
3	New.ReferenceOTU1195	12	0	3	1	5	0	0	0
4	New.ReferenceOTU1826	7	0	3	1	1	0	1	1
5	297414	6	2	3	0	2	1	1	0
6	293717	11	0	2	0	2	0	0	5
7	588929	1163	550	333	343	597	24	249	508
8	345899	14	0	9	1	4	0	2	2
9									
10	New.CleanUp.ReferenceOTU49983	593	36	169	37	63	0	17	26
11	568118	3175	552	1546	384	831	29	309	557
12	New.ReferenceOTU2204	0	0	0	0	0	0	0	0
13	New.CleanUp.ReferenceOTU66448	9	1	4	0	9	0	0	1
14	New.ReferenceOTU10079	28	5	18	8	12	0	1	1
15	347875	0	22	1	20	17	0	17	9
16	New.CleanUp.ReferenceOTU109752	4	8	0	0	10	0	0	3
17	189083	0	8	1	1	0	0	7	2
18	295554	21	96	21	34	78	3	40	28
19	346938	0	2	1	3	4	0	2	0
20	336372	2	5	4	3	6	2	4	2
21	307571	24	35	18	13	20	2	18	12
22	4410166	11	18	7	7	9	1	14	8
23	New.CleanUp.ReferenceOTU5822	5	75	9	62	32	1	56	92
24	New.CleanUp.ReferenceOTU13017	28	28	7	34	25	2	45	29
25	New.ReferenceOTU11270	0	78	0	5	15	0	11	10
26	New.ReferenceOTU1511	0	19	0	0	3	0	0	8
27	328936	6	77	10	12	5	0	0	16
28	New.ReferenceOTU10136	5	13	7	0	1	0	0	12
29	333028	0	46	0	23	35	1	37	12
30	New.ReferenceOTU8969	11	5	4	28	12	0	1	2
31	New.ReferenceOTU1852	0	0	0	0	0	0	0	1
32	New.ReferenceOTU3771	0	0	6	0	4	6	0	5
33	288250	1	1	121	13	89	178	19	24
34	New.ReferenceOTU10738	0	0	11	1	24	3	2	5
35	New.ReferenceOTU2586	30	51	28	25	56	1	36	25
36	New.CleanUp.ReferenceOTU85918	0	5	0	2	4	1	6	0
37	New.ReferenceOTU10389	0	3	0	10	8	0	4	4
38	4330423	0	0	0	0	0	0	1	0
39	4355075	0	0	1	1	0	0	3	0
40	567226	119	269	397	446	412	38	312	161
41	New.ReferenceOTU10811	3	2	4	7	3	1	6	6
42	New.ReferenceOTU1363	1	0	0	3	1	0	5	3
43	261240	0	1	2	2	1	0	26	0
44	300859	3	16	4	13	2	11	46	3
45	New.ReferenceOTU11102	4	94	5	14	16	0	7	26
46	New.CleanUp.ReferenceOTU140068	0	18	3	7	4	0	7	15
47	530854	23	440	56	198	130	5	33	206
48	New.ReferenceOTU10838	0	2	1	4	0	0	0	12
49	New.CleanUp.ReferenceOTU118873	0	3	1	9	0	0	10	0
50	New.CleanUp.ReferenceOTU50120	11	0	10	116	4	14	126	1
51	New.CleanUp.ReferenceOTU59589	0	0	2	3	0	0	0	1
52	New.CleanUp.ReferenceOTU90815	4	8	8	20	0	0	1	4
53	New.CleanUp.ReferenceOTU62967	4	3	6	5	2	0	1	1
54	New.ReferenceOTU10485	4	2	5	13	0	0	0	0

1		343443	457	415	1580	435	104	14	35	68
2	New.ReferenceOTU3756		1	5	10	1	1	0	2	0
3	New.CleanUp.ReferenceOTU115530		93	67	55	35	19	0	3	2
4		47181	11	2	13	7	3	0	0	3
5	New.CleanUp.ReferenceOTU143342		1	3	8	19	2	9	11	7
6	New.CleanUp.ReferenceOTU134090		1	1	1	0	0	0	32	5
7		28970	2	14	53	34	3	7	238	48
8	New.CleanUp.ReferenceOTU122974		0	0	0	13	0	1	0	0
9		1068116	0	0	0	4	0	0	0	0
10		46566	0	2	0	0	1	85	7	16
11	New.CleanUp.ReferenceOTU106698		0	0	0	13	5	1	10	15
12		987581	4	0	0	177	18	130	110	57
13	New.ReferenceOTU2550		0	0	0	4	0	2	3	4
14		196800	0	0	0	5	4	7	18	14
15	New.CleanUp.ReferenceOTU128569		11	11	7	3	3	0	6	2
16	New.ReferenceOTU10646		0	3	1	25	0	2	14	28
17	New.ReferenceOTU10891		0	2	0	0	0	0	0	1
18	New.ReferenceOTU2200		1	12	3	13	6	1	12	9
19	New.ReferenceOTU10560		5	2	2	19	4	0	21	7
20	New.ReferenceOTU6359		0	9	2	2	1	0	4	9
21	New.CleanUp.ReferenceOTU4920		1	11	11	16	1	2	4	2
22	New.CleanUp.ReferenceOTU145850		46	170	31	48	44	9	70	140
23	New.ReferenceOTU1537		1	6	2	11	5	1	2	11
24	New.ReferenceOTU2144		0	0	0	1	0	0	3	7
25	New.ReferenceOTU10183		0	1	1	4	3	2	9	6
26		4476186	0	1	0	3	1	0	1	2
27		591785	89	486	320	608	212	202	622	932
28	New.CleanUp.ReferenceOTU121626		27	42	43	16	19	0	16	14
29	New.ReferenceOTU10859		1	3	3	1	4	0	1	0
30	New.ReferenceOTU11119		48	77	46	15	30	0	33	41
31	New.CleanUp.ReferenceOTU121714		2	5	5	16	12	5	5	1
32		524371	1	3	3	1	3	0	1	1
33		956050	1	27	44	7	10	3	1	6
34	New.ReferenceOTU6786		0	0	0	0	0	0	5	5
35	New.ReferenceOTU394		0	0	0	0	0	0	8	10
36		547854	0	0	0	24	1	9	97	90
37	New.ReferenceOTU2058		0	0	0	0	0	1	1	1
38		558458	0	0	0	0	0	0	1	3
39	New.ReferenceOTU6997		0	0	0	1	0	0	3	5
40	New.ReferenceOTU8839		0	4	2	72	8	0	3	30
41	New.ReferenceOTU11085		0	0	0	2	0	0	0	2
42	New.ReferenceOTU8757		1	85	25	18	4	4	4	15
43	New.CleanUp.ReferenceOTU26971		3	4	1	15	5	1	16	4
44	New.ReferenceOTU1359		2	2	0	23	7	1	19	4
45	New.ReferenceOTU4410		0	1	0	22	2	4	4	6
46	New.ReferenceOTU4859		0	0	0	6	6	0	15	6
47	New.ReferenceOTU2729		2	4	0	20	6	0	12	2
48	New.CleanUp.ReferenceOTU112786		17	43	3	83	81	3	67	47
49	New.CleanUp.ReferenceOTU68137		1	4	0	14	5	2	9	7
50	New.ReferenceOTU10892		2	1	0	40	4	0	18	3
51	New.ReferenceOTU6315		0	1	0	25	10	0	13	4
52	New.ReferenceOTU3652		0	2	0	16	2	0	8	1

2		20534	78	225	119	1662	530	107	1079	316
3	New.ReferenceOTU7952		0	0	0	0	5	0	0	11
4	New.ReferenceOTU11142		0	3	1	7	9	3	0	79
5		1033345	0	1	18	4	12	5	1	69
6		527437	0	0	0	9	0	41	6	24
7		522858	0	0	1	4	1	2	2	10
8	New.ReferenceOTU4309		0	0	0	4	3	7	28	28
9		515074	0	0	5	7	46	10	33	34
10		514137	0	0	0	1	20	6	15	19
11	New.ReferenceOTU1296		0	1	0	0	0	0	4	54
12	New.CleanUp.ReferenceOTU85701		0	0	0	0	0	1	6	43
13		524213	14	6	24	56	221	80	122	71
14		531477	1	0	1	1	11	3	7	3
15	New.ReferenceOTU3403		0	0	0	4	7	0	0	2
16	New.ReferenceOTU4092		0	0	0	0	3	1	1	4
17	New.ReferenceOTU10703		0	0	0	2	13	1	8	5
18	New.ReferenceOTU11332		0	0	0	4	1	0	0	10
19	New.CleanUp.ReferenceOTU107762		12	0	2	4	44	3	19	27
20	New.ReferenceOTU1474		0	0	0	0	2	0	5	2
21	New.ReferenceOTU5058		0	0	1	2	2	2	5	9
22	New.ReferenceOTU7414		0	0	0	8	0	0	2	3
23		531596	0	55	44	255	1	2	86	36
24	New.ReferenceOTU2215		0	2	0	7	0	0	2	2
25	New.ReferenceOTU467		0	0	1	6	0	0	1	0
26	New.ReferenceOTU6666		0	1	2	8	0	0	1	1
27	New.ReferenceOTU7692		0	17	2	10	4	0	3	1
28		527408	0	0	0	4	0	0	3	0
29	New.ReferenceOTU3220		0	0	0	3	0	0	1	2
30	New.ReferenceOTU4334		0	3	0	56	0	20	22	25
31	New.ReferenceOTU4371		0	4	1	18	0	0	1	2
32	New.CleanUp.ReferenceOTU139196		0	0	0	6	0	0	1	0
33	New.ReferenceOTU6868		0	1	0	57	1	9	7	9
34	New.CleanUp.ReferenceOTU63327		0	0	0	0	0	23	1	1
35	New.ReferenceOTU407		326	739	457	203	27	15	6	92
36	New.ReferenceOTU5887		0	0	0	19	0	2	6	0
37	New.ReferenceOTU851		14	21	14	7	0	0	0	5
38	New.ReferenceOTU1008		55	115	28	11	8	1	1	6
39	New.ReferenceOTU228		2	15	6	8	0	0	0	9
40	New.ReferenceOTU4616		0	0	0	1	0	0	2	1
41	New.ReferenceOTU121		0	1	0	2	2	0	0	11
42	New.ReferenceOTU1441		0	8	0	1	19	961	20	116
43	New.ReferenceOTU8398		2	0	89	0	1	3	1	10
44		875643	0	0	3	37	30	25	7	14
45	New.CleanUp.ReferenceOTU86992		51	44	6	4	4	1	12	18
46		4369901	13	265	2	263	10	0	50	2
47		300853	443	352	379	77	157	100	346	287
48	New.ReferenceOTU5014		28	12	9	1	6	1	3	6
49	New.ReferenceOTU2527		17	16	5	0	11	0	4	1
50	New.ReferenceOTU8343		0	0	3	8	1	60	5	1
51	New.ReferenceOTU1242		0	0	0	40	137	21	6	24
52		791560	0	0	0	0	0	0	0	0
53	New.ReferenceOTU10365		0	0	0	0	0	0	0	0

1	New.ReferenceOTU6077		0	1	0	2	5	11	22	3
2		1105615	0	0	0	4	0	0	0	0
3		49461	5	1	7	3	2	3	3	0
4		179806	0	14	46	1	21	0	0	0
5	New.ReferenceOTU3298		50	32	3	2	7	0	3	5
6	New.ReferenceOTU3290		16	24	1	1	13	0	3	7
7	New.ReferenceOTU1706		4	15	1	1	4	0	1	1
8	New.ReferenceOTU644		19	1	46	9	0	6	0	2
9	New.ReferenceOTU6615		22	62	42	5	4	0	30	7
10	New.ReferenceOTU6532		0	0	0	7	0	5	1	20
11	New.ReferenceOTU105		0	0	0	19	0	42	0	0
12		522591	12	12	19	45	11	34	51	45
13	New.ReferenceOTU9161		0	0	0	0	0	3	1	1
14	New.ReferenceOTU9873		0	0	0	45	5	7	6	37
15	New.ReferenceOTU4644		0	0	1	4	7	36	65	21
16	New.ReferenceOTU4529		7	0	20	26	4	18	15	0
17	New.ReferenceOTU7312		0	0	0	7	1	0	0	0
18		1067655	0	0	0	0	0	0	0	0
19		293013	4	4	48	105	2	11	3	20
20	New.ReferenceOTU4989		11	0	3	13	1	24	17	26
21	New.ReferenceOTU2680		86	1	49	6	87	39	7	38
22	New.ReferenceOTU3992		7	21	2	3	4	0	8	3
23	New.ReferenceOTU7413		8	18	1	1	11	1	4	4
24	New.ReferenceOTU691		8	15	3	0	7	0	2	1
25		577228	1025	1243	332	150	913	34	230	230
26		524044	6	0	1	0	5	1	2	0
27		576221	1	3	2	0	1	2	1	2
28	New.ReferenceOTU357		0	0	22	24	1	14	5	0
29		4306043	0	0	0	0	0	0	0	0
30	New.ReferenceOTU3788		0	9	0	6	0	3	22	0
31	New.ReferenceOTU9536		0	0	0	0	0	0	0	0
32	New.ReferenceOTU8856		0	0	0	427	1	28	0	0
33	New.ReferenceOTU4568		0	0	4	16	1	12	5	0
34		4358599	0	1	0	0	0	1	1	0
35		844589	0	12	0	0	0	0	0	0
36	New.ReferenceOTU1203		0	0	0	0	0	94	6	64
37		276149	3	0	0	0	0	0	0	0
38		851323	0	0	1	0	0	0	0	0
39	New.ReferenceOTU6842		0	0	0	0	4	1	3	1
40	New.ReferenceOTU1988		0	1	0	8	4	15	3	0
41	New.ReferenceOTU6399		0	0	0	0	4	16	4	0
42	New.ReferenceOTU11247		0	0	0	0	0	113	0	0
43	New.ReferenceOTU1841		3	3	33	0	2	85	18	1
44		100852	8	0	12	0	0	15	1	0
45		529173	92	0	80	0	17	202	29	1
46	New.ReferenceOTU8956		0	0	0	0	0	0	0	0
47		102513	0	0	0	0	1	0	0	0
48	New.ReferenceOTU1204		0	0	1	1	0	8	2	7
49	New.ReferenceOTU3709		0	0	2	26	10	61	20	49
50		510205	2	2	3	13	2	53	2	29
51		918187	0	0	0	2	0	4	2	4
52	New.ReferenceOTU1512		0	0	0	2	0	0	2	2

2	New.ReferenceOTU3659	0	0	0	0	0	3	0	2
3		4003061	0	0	0	0	0	0	3
4	New.ReferenceOTU10948	0	0	1	1	0	12	1	0
5		921813	0	0	0	18	0	17	29
6	New.ReferenceOTU6663	0	0	9	1	0	12	0	0
7	New.ReferenceOTU2631	0	0	0	14	1	23	8	15
9		513985	0	0	1	0	0	20	5
10		520075	8	10	7	1	0	4	7
11		4307122	0	1	0	0	0	0	0
12		988375	0	8	0	0	0	10	2
13		355246	0	1	0	4	0	36	8
14		360730	0	3	0	3	0	0	0
15		16733	0	0	0	11	0	6	0
16		16915	1	4	0	353	15	501	30
17									
18	New.ReferenceOTU1797	0	0	0	2	1	1	0	1
19	New.ReferenceOTU3326	0	0	0	2	0	3	0	1
20		772282	0	6	0	0	0	0	1
21		953855	0	0	0	0	0	0	0
22		911254	58	9	21	40	183	19	43
23		350071	14	18	3	42	48	4	9
24		332527	0	0	0	0	6	3	0
25									
26	New.ReferenceOTU6021	1	4	1	3	4	0	3	1
27	New.ReferenceOTU5148	0	0	5	0	1	5	3	0
28	New.ReferenceOTU7023	14	9	2	8	3	0	1	3
29		3510697	336	77	650	84	100	67	42
30		907916	17	0	10	15	1	0	0
31									
32	New.ReferenceOTU3281	15	6	3	0	5	0	0	1
33		515590	49	180	23	52	39	11	17
34		516366	31	180	107	217	58	51	72
35									
36	New.ReferenceOTU1040	1	11	2	9	4	0	4	2
37	New.ReferenceOTU7161	0	0	6	22	0	17	1	0
38	New.ReferenceOTU1041	0	0	3	2	0	8	1	2
39		52441	0	1	0	0	1	16	5
40	New.ReferenceOTU7610	0	0	0	2	0	7	4	2
41		578207	4	0	0	0	0	0	1
42									
43	New.ReferenceOTU2359	6	14	31	51	16	222	92	17
44		1027100	0	0	0	0	0	0	0
45	New.ReferenceOTU7363	0	2	2	0	0	3	0	0
46		1092802	0	3	3	80	12	63	46
47		352943	0	0	0	0	0	0	0
48		651458	0	0	10	10	35	2	9
49									
50	New.ReferenceOTU10930	0	0	0	0	0	0	0	0
51	New.ReferenceOTU4455	10	11	44	6	3	12	4	10
52		552031	21	2	11	6	5	27	2
53	New.ReferenceOTU1096	0	0	7	44	29	39	11	0
54	New.ReferenceOTU4269	0	0	7	0	0	2	1	0
55		908071	4	0	12	6	10	19	18
56		298358	1	0	7	0	2	9	1
57									
58	New.ReferenceOTU1256	15	5	2	3	0	5	8	4
59	New.ReferenceOTU1382	11	0	8	4	8	6	6	2
60		733799	8	19	1	0	6	6	10
	New.ReferenceOTU2232	0	0	0	0	1	0	0	0

New.ReferenceOTU820	0	9	0	0	0	5	0	0
New.ReferenceOTU130	0	0	0	0	0	8	1	0
New.ReferenceOTU6717	0	0	0	11	3	173	3	5
New.ReferenceOTU545	0	1	0	0	0	0	1	0
533298	2	0	0	5	1	23	1	0
527058	1	116	81	24	29	31	48	7
New.ReferenceOTU10327	0	0	0	0	0	0	0	0
163857	2	3	0	21	15	0	19	0
516159	82	95	19	2100	768	72	416	2
524117	1	5	0	56	10	3	22	0
523751	4	2	5	0	0	0	0	0
New.ReferenceOTU6787	0	0	0	0	1	2	0	0
359779	0	1	0	0	8	0	2	0
74192	0	0	0	0	11	2	1	0
109413	0	0	0	0	2	2	0	0
70580	0	0	0	0	6	2	1	0
471412	0	0	0	0	2	0	0	1
1111294	2	4	10	8	1	24	54	393
782953	0	1	3	1	0	2	18	11
588216	0	1	1	0	0	2	10	15
1951826	0	1	0	0	0	0	3	5
4333897	0	0	3	0	0	1	1	6
797229	0	140	251	36	21	127	2138	2763
3867172	0	0	0	0	0	0	3	1
New.ReferenceOTU2154	0	2	5	1	0	0	72	59
25562	0	7	8	7	0	1	27	126
New.ReferenceOTU9791	0	0	0	3	0	6	2	0
2892743	0	0	0	1	1	8	0	1
4419621	0	0	0	0	0	0	0	0
529652	0	0	0	4	0	5	1	3
636296	2	1	1	9	2	31	16	17
638485	0	0	0	0	0	0	1	0
1129038	2	14	33	1	0	21	7	0
New.ReferenceOTU2932	5	122	38	8	1	3	2	4
368175	14	0	5	0	1	0	3	1
4441081	24	6	5	1	5	0	1	0
288683	0	0	6	3	20	11	1	12
290804	17	4	56	0	0	3	1	0
300355	3	0	2	0	1	0	0	0
New.ReferenceOTU6867	22	5	14	0	1	140	2	49
354599	0	0	0	0	0	0	0	0
New.ReferenceOTU3017	0	0	0	0	0	0	0	1
New.ReferenceOTU10893	0	0	0	0	0	0	0	0
New.ReferenceOTU699	0	2	1	0	0	0	5	1
New.ReferenceOTU9214	0	36	0	0	0	0	4	0
856253	0	0	0	0	0	0	6	0
4355504	5	137	3	0	3	3	5	2
309470	5	0	0	97	35	151	139	0
68837	0	1	2	0	10	31	59	0
259533	0	0	0	0	0	0	0	0
580934	0	0	0	0	2	0	2	0
924224	0	0	0	0	0	0	60	0

1									
2	New.ReferenceOTU3875	0	0	0	0	0	3	4	0
3	New.ReferenceOTU9478	0	0	0	0	0	0	0	0
4	296406	0	0	0	0	210	24	3	0
5	New.ReferenceOTU2495	0	9	16	2	9	1	3	3
6	1038455	0	0	0	0	0	0	0	0
7	514045	0	0	0	0	4	0	14	0
8	297140	0	4	1	11	13	35	34	0
9									
10	New.ReferenceOTU9622	0	0	0	0	0	2	0	0
11	291158	3	24	6	0	0	0	27	0
12	New.ReferenceOTU8817	0	1	7	0	5	0	0	0
13	New.ReferenceOTU2159	0	0	0	0	13	1	0	0
14	New.ReferenceOTU10916	2	1	0	0	0	1	11	3
15									
16	302158	27	4	12	13	32	0	14	17
17	113756	17	3	3	56	99	53	374	324
18	New.ReferenceOTU2774	0	0	0	0	0	2	7	3
19	New.ReferenceOTU10379	0	0	0	4	7	2	20	33
20	86812	1	29	3	69	337	157	990	1091
21	833609	4	0	1	2	5	2	19	23
22									
23	New.ReferenceOTU5528	0	0	0	0	2	1	8	9
24	297260	0	0	2	12	0	33	0	0
25	11235	19	0	2	13	51	3	29	38
26	311173	15	0	7	0	0	5	1	0
27	34757	0	0	0	0	0	0	9	0
28	548699	0	0	1	0	0	1	108	15
29	10945	1	6	17	0	0	38	21	3
30									
31	New.ReferenceOTU1065	0	2	0	0	0	0	10	3
32	294747	0	0	0	2	0	0	0	0
33	292585	0	0	0	0	2	0	0	0
34	617806	0	2	0	0	3	0	0	5
35	4315785	0	1	7	0	1	0	0	0
36	837859	0	0	0	0	0	0	0	0
37	324020	0	0	0	0	0	0	0	0
38									
39	New.ReferenceOTU4211	0	0	0	0	0	0	0	0
40	134399	2	8	0	2	6	1	0	0
41	42636	0	0	0	0	0	0	0	0
42	410242	5	0	15	0	5	0	7	0
43	99414	0	1	0	0	0	0	0	0
44	317515	0	1	0	1	2	0	0	1
45	295100	0	0	0	0	0	0	0	0
46	353336	0	0	0	0	0	0	0	2
47	799443	1	10	0	1	0	2	0	0
48									
49	New.ReferenceOTU1186	0	6	0	0	1	0	0	0
50	529258	9	2	25	0	17	0	3	0
51	798164	18	1	1	0	5	6	2	0
52	4453903	1	0	3	0	0	0	0	0
53	572130	4	4	2	5	39	10	2	8
54	827702	0	0	0	0	1	0	0	0
55	349752	0	5	17	0	1	2	0	0
56	619919	0	0	5	0	0	1	5	0
57	512398	0	0	1	0	0	0	0	0
58	353214	0	0	0	0	0	2	0	0
59	305261	2	0	2	0	3	2	0	0
60									

1									
2		584107	1	1	0	0	0	0	0
3		621649	1	0	5	0	4	32	0
4		345834	3	0	2	0	4	15	0
5		552988	1	1	1	2	2	0	3
6		348839	1	0	9	2	2	2	0
7		305187	0	0	7	12	4	0	0
8		313089	2	0	1	0	2	0	0
9		366391	0	0	0	0	0	3	0
10		308912	0	0	1	0	3	0	1
11		325254	0	0	0	0	0	0	0
12			0	0	0	0	0	0	0
13	New.ReferenceOTU10318		0	1	0	0	0	0	0
14	New.ReferenceOTU2844		0	0	0	0	0	0	0
15		644244	0	0	0	0	6	19	17
16		370217	0	0	0	1	1	0	0
17		570052	0	0	2	1	1	4	0
18		335884	0	0	0	1	0	0	0
19		337057	0	0	0	0	5	1	0
20		4451049	0	0	0	0	0	0	0
21		187492	0	0	14	9	19	1	1
22		888914	0	0	0	0	0	0	3
23		4296764	0	0	0	0	0	0	1
24			0	0	0	0	0	0	1
25	New.ReferenceOTU5926		0	0	0	0	0	5	4
26	New.ReferenceOTU5623		0	0	2	0	0	0	2
27	New.ReferenceOTU5775		0	0	0	1	1	0	3
28		187767	0	0	0	3	0	0	2
29		172163	1	2	16	14	0	3	15
30	New.ReferenceOTU1559		0	0	0	0	0	1	0
31		110842	3	1	17	7	2	44	6
32		343831	1	0	1	1	0	7	2
33	New.ReferenceOTU6230		0	0	0	0	13	0	1
34		4323524	0	0	0	0	1	32	8
35	New.ReferenceOTU2439		0	0	0	0	0	0	0
36	New.ReferenceOTU3795		0	0	5	0	0	0	4
37		197539	0	0	0	0	2	0	1
38		3060611	8	0	1	0	0	0	0
39		4334844	0	0	0	2	1	0	6
40		4406814	0	0	2	0	0	0	0
41		368490	0	1	0	0	2	0	0
42		198167	9	0	23	2	0	0	5
43		323200	0	0	2	0	0	0	0
44		605577	0	0	0	3	0	0	0
45		532232	0	0	0	0	0	0	0
46		533277	0	0	0	0	0	0	0
47		292057	1	1	0	3	14	2	1
48		24271	0	0	0	0	1	0	0
49		338757	3	15	2	2	4	11	10
50		725198	3	20	37	3	1	3	3
51		536754	4	22	16	5	4	1	1
52		588197	152	57	140	12	29	22	32
53		581474	73	21	0	3	65	19	14
54		549756	9	1	0	0	6	2	2
55		553352	11	7	0	0	9	3	5
56									
57									
58									
59									
60									

2		302975	10	35	9	4	2	1	1	8
3		703741	268	818	566	65	71	33	68	160
4		807795	12	33	29	2	0	0	2	4
5		583746	0	20	0	0	0	0	0	0
6		215963	0	0	0	9	2	1	7	5
7		306124	0	4	0	2	0	0	1	0
8		149335	0	0	0	5	0	0	6	0
9		311471	0	9	0	84	13	1	4	6
10		812596	1	1	0	1	0	91	15	0
11	New.ReferenceOTU741		0	0	0	0	0	14	1	0
12		341657	0	1	13	3	7	7	0	1
13	New.ReferenceOTU6110		0	81	56	27	21	84	2	9
14	New.ReferenceOTU4403		0	2	0	1	15	1	2	2
15		513552	0	2	0	0	2	0	0	0
16		72926	12	84	2	15	237	19	83	18
17		517344	10	143	25	20	664	39	153	30
18		4406819	0	0	0	0	1	1	0	0
19	New.ReferenceOTU3703		5	0	3	0	0	1	0	2
20		541328	6	0	1	0	0	0	0	0
21		555562	0	0	0	0	1	0	0	0
22		530061	0	0	6	0	6	0	0	0
23	New.ReferenceOTU3327		0	0	0	0	0	0	2	0
24	New.ReferenceOTU10514		5	4	21	0	0	1	2	1
25		337379	1	20	4	4	54	6	4	1
26		843459	0	4	2	0	7	0	0	0
27		526583	8	13	8	0	1	0	0	2
28		555945	0	0	1	0	1	0	0	0
29		712677	0	9	0	0	1	0	3	0
30		337392	0	0	1	0	0	10	0	1
31	New.ReferenceOTU7634		0	0	0	45	0	17	0	0
32		578588	7	0	2	0	1	0	0	0
33		683621	77	39	16	8	22	61	85	32
34		524842	17	4	4	0	3	7	2	4
35	New.ReferenceOTU10710		3	0	0	0	0	0	0	0
36		302433	0	0	21	3	2	141	1	3
37	New.ReferenceOTU3436		0	0	2	0	0	30	0	0
38	New.ReferenceOTU9743		0	0	12	1	7	2	0	0
39		36792	0	0	13	0	0	1	0	0
40		208539	6	0	4	0	1	0	0	0
41		347636	0	0	17	6	0	0	0	0
42		33133	2	0	0	0	0	3	0	2
43		4455005	0	0	0	1	0	12	0	1
44		337511	8	9	6	2	2	1	0	4
45		4380006	0	0	2	3	5	42	0	12
46	New.ReferenceOTU7944		0	0	1	1	0	12	0	3
47	New.ReferenceOTU9226		0	0	2	0	0	33	8	1
48		337784	6	1	3	3	3	0	1	0
49	New.ReferenceOTU8825		0	0	0	0	0	13	0	0
50		1084643	0	0	0	0	0	16	0	0
51		314204	2	0	7	1	5	0	0	2
52	New.ReferenceOTU8919		0	0	0	0	0	0	0	0
53	New.ReferenceOTU9525		1	0	0	0	6	4	3	1

1									
2		355187	1	4	0	0	1	0	0
3		461487	0	0	4	0	2	7	0
4		584263	0	1	2	0	0	5	2
5		249776	0	1	0	0	0	0	0
6		362450	0	0	0	0	0	0	0
7		515299	7	0	2	0	1	0	0
8		210262	8	0	0	0	13	0	0
9		1110312	10	6	18	8	39	10	1
10		348897	0	0	0	0	0	0	0
11		772972	2	0	0	0	0	0	0
12		312490	0	14	0	1	1	4	0
13		323818	12	2	1	2	6	0	0
14									
15	New.ReferenceOTU1457		0	0	0	0	0	1	0
16		552448	0	0	1	4	0	0	0
17									
18	New.ReferenceOTU11125		0	0	1	0	0	0	0
19		559659	2	3	2	4	0	1	1
20		309745	0	0	0	0	0	1	0
21									
22	New.ReferenceOTU7211		0	0	3	2	10	4	0
23		356245	0	0	0	0	3	4	0
24		184287	0	0	0	7	0	0	1
25		321960	19	1	0	3	9	8	0
26		719058	4	0	0	0	1	2	0
27		1111350	0	0	1	0	5	0	0
28		592065	0	2	3	0	0	2	0
29									
30	New.ReferenceOTU2811		0	1	5	0	0	0	0
31	New.ReferenceOTU1994		0	0	2	3	0	13	7
32	New.ReferenceOTU491		0	1	9	11	3	0	2
33		300613	0	0	0	0	1	3	0
34		4338990	0	0	1	2	1	0	1
35		4439487	2	0	4	0	0	1	0
36									
37	New.ReferenceOTU10800		1	0	0	0	1	0	0
38		581201	0	1	7	1	0	0	0
39		235212	0	0	2	0	1	2	2
40									
41	New.ReferenceOTU7656		0	2	0	0	3	0	0
42	New.ReferenceOTU4443		0	0	0	2	0	1	1
43		367946	9	7	0	0	13	34	4
44		4439489	0	0	0	2	2	0	0
45		296094	9	0	13	3	0	4	0
46		330285	0	0	0	3	2	0	2
47		359445	0	0	2	0	8	2	0
48		291206	6	2	103	0	43	0	1
49		329729	0	0	0	13	0	0	0
50		290322	0	0	0	0	0	0	0
51		359563	76	19	86	47	53	22	16
52		564941	10	2	5	2	1	3	0
53		361398	7	0	3	1	0	0	0
54		758482	1	0	3	0	10	10	4
55		4399755	0	0	0	12	2	2	1
56		359720	7	0	0	0	9	1	0
57		349680	28	3	17	17	79	7	6
58		292816	15	16	5	13	15	2	1
59		366633	1	1	3	0	4	0	0
60									

1									
2		521792	42	2	20	6	10	3	1
3		1016598	0	0	0	0	0	0	0
4		1035392	1	0	2	3	2	2	1
5		345763	0	0	5	5	11	2	2
6		347085	0	0	0	1	12	0	0
7		340809	1	1	0	2	9	0	0
8		555101	2	0	3	0	6	0	0
9		576712	11	0	2	0	0	10	4
10		427159	7	4	23	0	1	1	0
11		870421	14	1	20	1	31	3	1
12		537959	0	0	0	0	0	7	1
13		531867	0	0	0	0	1	4	0
14		592139	31	0	44	2	9	35	6
15									
16									
17	New.ReferenceOTU4928		5	12	5	0	0	3	0
18		353173	89	1	57	0	51	2	2
19		528782	126	12	176	8	8	14	10
20		319818	35	2	142	0	34	2	1
21		570341	0	0	46	0	3	0	0
22		539202	0	0	1	0	0	0	0
23		720093	32	1	8	0	0	0	4
24		291171	0	0	3	0	1	0	0
25		558420	2	0	15	0	0	1	0
26		641783	202	30	328	8	50	25	8
27		298804	0	0	2	0	0	0	0
28		721569	2	0	4	0	0	0	0
29		433722	1	2	7	11	15	3	8
30		558599	19	1	50	32	27	48	1
31		580121	0	0	6	0	1	0	0
32		334839	4	2	0	0	0	4	9
33		198151	5	8	1	0	0	0	0
34		191332	29	68	14	3	31	0	8
35									
36									
37	New.ReferenceOTU3279		2	3	1	1	0	1	2
38		375106	0	3	3	0	0	0	2
39		310886	5	1	4	42	16	10	13
40									
41	New.ReferenceOTU7077		2	0	1	0	0	0	1
42		316925	2	0	5	1	3	5	0
43		1026524	0	1	2	1	1	3	6
44		204093	1	0	7	0	6	12	2
45									
46	New.ReferenceOTU490		0	2	0	0	1	0	0
47	New.ReferenceOTU3914		0	0	0	0	0	0	1
48		296941	4	3	2	0	8	0	0
49		270303	0	0	0	0	0	1	0
50		519763	0	0	0	1	0	1	0
51		569826	0	0	13	11	3	13	0
52		581265	1	0	26	12	0	12	1
53		443620	1	0	0	4	0	0	0
54		158183	0	1	1	8	0	0	0
55		304777	0	1	0	0	0	0	0
56		4362724	0	0	2	7	0	1	0
57		157772	1	1	2	0	0	0	12
58									
59	New.ReferenceOTU10212		0	0	0	1	0	0	1
60		328905	1	1	0	0	2	4	3

1									
2	New.ReferenceOTU9063	0	0	4	2	1	0	2	2
3	291571	8	20	6	0	2	0	1	3
4	528752	7	6	11	56	14	36	15	18
5	540862	0	18	0	2	2	0	0	0
6	408513	19	41	9	7	5	0	6	5
7	322895	2	12	11	8	2	32	4	6
8	366584	5	21	2	398	1	38	10	12
9	819181	0	4	12	109	71	59	17	218
10	199286	0	0	0	3	4	1	1	6
11	520720	2	1	0	0	0	0	1	0
12									
13	New.ReferenceOTU6776	32	24	25	7	8	24	3	3
14	New.CleanUp.ReferenceOTU118183	0	3	1	0	3	0	0	4
15	548692	23	14	40	4	50	16	22	28
16	520931	9	7	25	4	30	8	18	18
17									
18	New.ReferenceOTU2041	11	6	15	0	18	1	17	7
19	New.ReferenceOTU5001	0	0	1	0	6	5	0	2
20	272953	12	0	5	1	17	45	22	20
21	New.ReferenceOTU10850	0	0	10	25	1	6	8	7
22	36503	0	0	0	0	0	0	1	0
23	306315	7	2	9	0	0	0	0	2
24									
25	New.ReferenceOTU4549	1	0	3	3	4	0	0	1
26	522699	13	4	9	2	18	10	1	2
27	198814	18	0	4	12	63	2	2	8
28	655793	25	1	68	46	58	106	6	4
29									
30	New.ReferenceOTU368	0	0	2	0	0	3	0	0
31	1110378	113	518	47	2	29	7	5	12
32	314582	32	23	10	54	0	0	23	14
33	348009	0	0	0	3	1	18	5	4
34	334797	20	31	10	14	11	5	6	2
35	333363	0	0	0	0	0	0	0	0
36	362078	1	4	6	1	1	0	6	2
37	1062061	31	3	33	348	8	79	24	4
38	176645	2	7	5	7	11	15	21	14
39	553080	0	0	0	15	2	8	1	0
40	351927	53	7	25	53	80	30	8	3
41	535399	1	3	0	5	4	11	1	4
42									
43	New.ReferenceOTU5855	0	1	0	1	2	1	0	0
44	New.ReferenceOTU3892	1	0	4	5	0	13	2	0
45	510070	0	0	0	1	0	1	1	0
46	250784	0	0	0	4	0	0	0	0
47	574122	25	1	3	1	8	3	1	2
48	40149	0	0	162	1	3	55	6	85
49									
50	New.ReferenceOTU7593	0	0	0	0	0	3	2	72
51	324244	22	0	18	11	126	6	12	0
52	302809	7	0	9	1	10	3	3	0
53	175377	0	0	1	0	0	5	0	0
54	291202	1	5	1	0	0	0	0	5
55	697548	0	0	0	0	0	0	1	1
56	336890	5	21	7	0	1	0	2	1
57	40798	30	1	3	46	7	3	2	2
58	738351	15	0	31	48	4	10	1	8
59	308157	0	0	0	2	1	12	1	3
60									

1		269611	1	1	0	5	1	13	1	5
2		4267520	0	5	0	13	0	4	15	14
3		551902	0	51	0	2	1	0	1	0
4		523140	3	16	8	0	34	0	0	1
5		530928	0	0	0	0	0	0	0	2
6		351663	27	0	6	0	1	4	0	3
7		196392	2	0	1	1	0	0	0	0
8		308786	0	0	0	0	0	7	0	0
9		43052	0	0	0	0	0	0	1	0
10		362342	30	3	15	2	1	0	2	2
11		608244	40	3	0	0	2	2	0	1
12		593824	5	5	6	3	0	0	0	0
13		332831	0	11	13	0	25	0	3	9
14		566899	3	24	40	0	2	0	0	8
15		509788	1	1	2	0	2	0	0	0
16		302144	0	0	0	0	0	2	0	0
17		322004	0	0	0	0	0	2	0	0
18		279534	1	2	0	7	4	27	1	4
19		712142	2	3	0	28	22	39	20	86
20		350979	2	1	1	0	0	0	0	0
21		46910	4	0	6	0	0	0	2	1
22		276561	0	7	0	0	0	0	0	0
23		359984	33	2	0	0	0	0	0	0
24		333325	0	0	0	0	0	0	0	0
25		304531	0	0	0	0	1	0	0	0
26		365965	35	4	34	13	16	3	7	6
27		958505	1	0	1	0	0	0	0	0
28		147100	0	0	3	0	0	7	4	0
29		844006	1	3	3	3	5	1	3	0
30		4303850	0	0	0	0	0	1	1	0
31		290399	0	0	0	0	1	0	0	0
32		369109	0	61	0	53	4	27	52	32
33	New.ReferenceOTU3102		25	27	0	0	15	59	5	1
34		301280	1	0	15	4	33	16	1	2
35	New.ReferenceOTU8405		0	0	0	0	0	0	1	1
36		301386	0	0	0	0	0	0	0	0
37		189312	0	7	0	8	4	6	8	37
38		297065	0	2	0	0	2	0	0	1
39		30872	15	82	10	5	99	2	9	5
40		345730	0	0	0	3	0	0	0	0
41		343709	0	0	20	13	2	1	3	3
42		303213	1	3	0	2	0	0	0	0
43		356167	0	1	78	0	0	0	0	0
44		292575	9	6	7	0	1	0	0	0
45	New.ReferenceOTU5866		0	5	27	1	3	12	0	0
46		557051	0	0	0	0	0	0	0	0
47		362991	4	0	4	7	0	0	0	0
48		193755	0	0	2	2	8	0	0	0
49		346720	15	9	8	2	31	0	0	0
50	New.ReferenceOTU8097		0	0	0	0	1	0	0	0
51		562408	26	12	31	0	10	10	4	1
52		192079	3	3	1	0	1	0	0	2

New.ReferenceOTU3939	0	0	2	1	1	0	0	0
552380	2	4	0	3	0	3	1	0
318997	0	0	0	0	0	0	0	0
New.ReferenceOTU471	0	0	0	1	0	0	0	0
262258	0	0	0	0	0	0	0	0
333195	0	0	0	0	0	0	0	0
43051	0	1	0	0	1	1	0	0
148925	4	16	1	4	116	15	3	3
248492	4	2	3	1	1	0	0	0
33112	0	0	7	0	0	0	0	0
526413	4	1	9	1	2	0	0	0
New.ReferenceOTU5400	0	2	0	0	2	1	0	5
519882	0	0	0	0	1	0	0	0
166689	1	1	4	0	1	2	1	1
New.ReferenceOTU7703	5	4	3	0	4	1	0	3
157455	0	38	0	1	1	0	0	0
851865	5	8	3	4	48	2	5	7
514523	0	0	0	2	4	0	0	0
525215	2	1	2	5	4	0	3	0
366794	5	1	4	2	15	0	5	6
525698	40	53	80	165	249	2	118	61
291543	0	1	2	0	3	0	0	2
51306	0	0	5	0	4	3	0	1
515953	0	1	73	17	14	4	108	14
361811	0	7	0	6	0	0	1	1
29495	0	0	0	1	10	31	2	13
560535	26	37	15	77	14	1	3	12
359175	1	1	0	1	0	0	1	1
367213	12	8	4	13	12	3	26	12
584951	15	4	31	16	17	5	3	21
199182	4	1	3	3	0	1	0	3
New.ReferenceOTU2924	10	1	1	0	2	0	0	0
New.ReferenceOTU3593	1	0	1	6	5	3	1	0
313423	0	0	0	0	0	0	0	0
48088	0	2	0	0	0	2	0	0
295410	0	7	0	7	22	15	10	3
335527	1	0	2	0	4	32	10	0
New.ReferenceOTU101	0	0	0	1	0	2	0	0
529873	0	0	0	1	0	0	0	3
739387	5	1	1	1	2	1	1	4
306866	0	0	1	12	1	20	0	1
New.ReferenceOTU7990	0	0	0	7	0	5	0	0
New.ReferenceOTU11302	0	0	0	0	0	31	0	0
New.ReferenceOTU10080	1	1	3	0	0	0	0	0
198552	1	0	9	1	0	0	0	0
New.ReferenceOTU11047	0	1	0	1	1	5	2	1
New.ReferenceOTU11114	0	8	1	18	25	40	33	37
New.CleanUp.ReferenceOTU69721	0	2	0	1	0	0	0	3
339504	0	4	1	2	3	2	4	5
528692	0	23	14	18	55	40	49	80
584463	0	1	0	0	0	0	0	0
22371	0	0	0	2	2	0	0	0

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2	New.ReferenceOTU7671	0	0	0	1	15	5	3	9
3	New.ReferenceOTU10047	0	1	1	0	0	3	0	1
4	New.ReferenceOTU11082	0	3	0	0	4	0	0	8
5	New.CleanUp.ReferenceOTU111198	0	1	0	0	1	35	0	0
6	New.ReferenceOTU11197	0	0	0	0	0	30	0	0
7									
8	340761	0	5	0	2	15	2	0	4
9	195465	0	6	0	0	17	2	1	10
10	362947	0	3	3	1	4	0	1	6
11	300235	2	192	97	43	25	4	12	477
12	621472	0	3	0	0	0	0	1	6
13	701221	0	9	1	11	24	0	2	5
14	708680	2	98	41	166	745	29	92	108
15	571178	0	8	0	26	59	42	6	41
16	524575	0	1	4	37	2	45	4	10
17	184465	0	0	0	2	5	7	1	0
18	522107	1	0	0	0	2	3	2	14
19	532771	0	0	3	0	1	5	0	8
20									
21	589852	1	6	18	34	116	42	10	92
22									
23	368261	26	18	14	21	29	8	2	6
24	562038	1	0	0	1	4	2	5	3
25	580090	0	11	0	0	2	2	1	0
26	366716	0	1	0	0	0	0	0	0
27	322505	17	5	10	10	11	8	9	10
28	531436	0	0	0	0	3	1	0	4
29									
30	New.ReferenceOTU3580	0	0	1	2	0	4	4	0
31	New.ReferenceOTU7292	0	0	0	1	0	0	0	0
32									
33	4387706	4	1	0	0	1	1	0	0
34	1105328	0	0	0	0	0	3	1	1
35									
36	804526	44	18	79	1	11	0	1	3
37									
38	531052	0	0	60	18	4	7	3	3
39									
40	339791	1	0	2	0	0	26	3	0
41									
42	842596	1	1	0	0	0	0	1	2
43									
44	New.ReferenceOTU5842	0	0	0	0	0	0	0	0
45									
46	347189	0	0	0	0	2	1	1	1
47									
48	352852	0	0	46	3	27	3	8	6
49									
50	357471	0	0	2	0	6	0	0	0
51									
52	360329	1	0	0	1	9	0	3	1
53									
54	509383	7	7	15	16	151	2	20	25
55									
56	526468	0	0	0	0	0	0	0	0
57									
58	New.ReferenceOTU9138	0	0	0	0	0	0	1	0
59									
60	299179	0	0	0	0	0	0	1	0
61									
62	879327	0	0	0	0	0	8	0	0
63									
64	353195	2	24	160	15	17	36	11	32
65									
66	584137	0	2	1	0	0	2	0	0
67									
68	19873	0	0	0	0	0	0	0	0
69									
70	262936	3	0	0	0	0	0	1	0
71									
72	New.ReferenceOTU2208	0	0	0	1	1	3	2	0
73									
74	791522	0	37	189	1	1	0	1	15
75									
76	New.ReferenceOTU584	0	0	0	0	0	43	1	1
77									
78	356138	4	0	0	0	2	1	1	0
79									
80	304154	0	1	9	0	3	1	0	0
81									
82	34413	9	1	3	1	8	3	0	0

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2		168071	0	2	0	0	3	2	0
3		316037	29	13	21	2	1	11	3
4		369027	1	19	11	0	8	4	0
5	New.ReferenceOTU7458		0	0	0	0	2	1	1
6		355697	6	3	0	13	33	25	9
7	New.ReferenceOTU8691		2	0	0	3	3	2	0
8		846386	0	1	0	0	0	0	0
9		772384	4	0	5	0	6	3	0
10		561171	8	67	3	0	2	0	1
11		369429	8	9	6	0	2	0	0
12		370361	7	4	2	0	0	0	0
13		370183	11	1	6	0	1	0	0
14		70067	0	0	0	0	0	2	0
15		20439	0	1	27	0	6	0	0
16		355817	20	2	4	0	0	2	0
17		36330	0	0	6	0	0	5	1
18		354461	1	0	0	0	6	0	0
19		523934	0	11	6	0	0	0	0
20		567715	0	0	22	0	4	2	0
21		546876	2	0	0	0	0	0	1
22		570507	35	33	81	1	2	0	12
23		1076587	4	14	2	6	4	0	0
24		291493	0	0	0	6	1	0	16
25		299059	0	0	0	0	0	0	1
26		577406	1	1	3	1	1	0	0
27		574689	5	2	9	16	12	1	4
28		759751	0	0	0	0	16	37	2
29	New.ReferenceOTU3242		0	0	0	0	3	1	0
30		574038	0	1	0	0	1	16	0
31		531773	10	13	8	1	74	12	2
32		355630	3	9	8	5	3	26	5
33		293665	0	1	0	14	0	12	18
34		457614	3	33	8	7	1	0	4
35		216111	0	7	0	17	3	0	2
36		338992	1	15	4	14	2	0	3
37		181170	2	16	3	2	0	0	0
38		352733	5	16	44	11	3	0	0
39		177061	0	2	0	3	0	0	0
40		351659	1	0	1	1	0	2	0
41		535601	35	4	15	29	11	15	4
42		363400	11	4	0	0	5	0	0
43		361727	0	0	0	0	0	0	0
44		364736	0	0	0	0	0	0	0
45									
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	ole dataset are showed.												
	T0-604	T0-622	T0-603	T0-609	T0-599	T0-608	T0-662	T1-506	T1-509	T1-510	T0-661	T1-564	T1-543
	0	0	1	1	0	1	0	0	0	0	0	0	0
	2	0	8	6	3	11	5	0	2	0	3	5	0
	5	0	0	1	0	1	4	4	0	0	2	4	19
	5	1	0	1	0	0	0	7	4	1	5	6	4
	26	2	1	5	4	15	3	17	22	2	12	21	26
	0	0	0	0	0	0	0	21	3	0	0	16	0
	0	0	0	0	3	0	0	0	14	0	0	0	0
	0	0	0	0	0	0	0	0	0	2	12	0	0
	0	0	0	0	0	0	0	0	81	0	1	0	0
	11	1	1	7	8	8	1	0	1	12	4	5	4
	0	0	0	0	0	0	0	0	33	1	0	6	0
	10	0	3	11	11	9	2	0	5	13	5	12	2
	7	0	0	4	6	3	0	0	0	14	8	14	1
	1	0	1	3	1	0	1	0	0	1	0	2	0
	0	2	5	0	0	0	0	0	7	0	0	0	0
	4	1	0	9	7	1	0	0	73	95	61	2	0
	1	0	0	1	0	0	0	0	0	2	1	0	0
	2	0	0	0	0	0	0	0	1	1	2	11	0
	0	0	0	1	0	0	0	0	0	0	4	20	0
	20	0	0	1	0	0	0	1	2	0	15	255	1
	1	4	0	7	3	0	1	0	0	0	7	0	0
	0	0	0	3	0	0	0	0	14	1	2	0	0
	14	0	35	28	15	71	0	3	6	32	25	59	0
	31	1	57	38	33	114	1	4	10	53	45	66	0
	39	2	0	73	9	0	0	10	11	25	19	12	2
	1	3	0	0	0	0	0	0	15	0	1	0	0
	1	0	0	0	3	0	0	34	1	25	3	1	0
	13	7	9	2	1	16	19	3	12	0	4	2	10
	0	14	0	0	1	0	0	0	30	7	1	38	0
	0	0	0	0	0	0	0	2	0	0	0	1	22
	0	0	0	0	0	0	0	0	5	10	1	2	0
	0	0	0	0	0	0	0	0	1	0	0	0	0
	0	0	0	1	0	0	0	2	11	5	3	11	0
	9	8	10	1	0	2	22	4	6	5	2	0	0
	0	0	0	0	0	0	0	0	13	0	5	2	0
	0	0	0	2	2	0	0	0	7	0	2	4	0
	1	0	0	1	0	1	0	2	2	0	2	0	0
	0	0	0	0	2	0	0	0	2	3	4	0	0
	1	0	2	2	3	0	0	0	7	3	1	0	0
	0	0	0	6	0	0	0	0	0	2	9	0	0
	0	1	0	4	0	0	0	1	1	7	4	0	0
	3	3	0	3	0	0	0	0	0	3	2	0	0
	1	0	0	1	1	0	0	1	4	0	3	1	0
	5	0	0	81	15	0	0	1	19	24	9	32	0
	0	0	0	1	1	0	0	0	0	0	2	1	0
	10	0	0	4	34	0	0	3	0	0	8	0	0
	0	0	0	4	44	0	0	1	4	0	0	0	0
	37	15	0	14	13	5	1	0	13	1	187	0	0
	25	2	0	15	5	1	0	2	79	62	4	3	0

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2	0	3	4	0	0	0	1	0	2	0	1	2	0
3	0	0	0	1	2	2	0	0	6	1	0	0	0
4	1	0	0	0	2	0	0	0	3	0	4	0	0
5	0	0	0	10	15	0	0	1	3	0	16	1	0
6	10	0	0	0	3	0	0	0	12	0	6	16	0
7	13	0	46	3	8	10	26	5	15	7	11	0	12
8	0	0	1	0	3	0	1	1	8	0	0	0	5
9	3	2	0	9	0	18	0	0	22	2	0	2	16
10	0	3	0	1	0	1	0	12	22	11	0	3	1
11	1	0	0	0	0	0	0	0	2	0	0	2	0
12	0	0	3	0	1	0	0	0	34	0	3	12	0
13	4	0	0	0	8	0	0	0	12	0	8	13	0
14	0	0	0	0	0	0	0	0	16	0	0	15	0
15	0	0	0	0	1	0	0	1	5	0	5	4	0
16	2	3	3	0	0	4	2	1	1	0	0	4	0
17	0	3	10	9	4	6	0	0	10	6	0	27	20
18	10	0	0	4	5	0	0	0	38	0	2	6	0
19	0	0	0	1	2	0	0	0	8	0	2	37	0
20	0	0	0	0	6	1	0	17	6	0	2	6	0
21	0	0	0	2	2	0	0	4	0	0	0	1	0
22	1	8	1	2	1	3	2	0	0	0	0	0	3
23	0	0	0	0	34	0	0	3	22	11	8	56	0
24	15	2	14	3	10	32	4	0	50	5	14	31	0
25	0	0	0	0	1	1	0	1	10	0	0	0	0
26	3	2	4	3	0	17	0	3	93	10	7	29	0
27	3	0	0	0	7	0	0	0	3	9	0	3	0
28	0	0	0	6	0	6	0	0	2	1	0	2	0
29	10	0	0	1	1	1	0	0	23	5	7	1	0
30	0	0	0	0	0	0	0	0	9	1	7	0	0
31	0	0	1	0	2	2	0	0	4	0	0	0	0
32	11	0	0	0	0	19	0	0	6	0	2	0	0
33	2	0	0	1	2	5	0	0	14	5	1	16	0
34	0	0	5	2	0	0	0	1	34	1	0	10	0
35	1	0	5	1	0	2	3	0	3	0	1	3	4
36	33	2	0	10	7	25	5	7	14	15	5	15	37
37	5	1	0	6	2	80	0	2	7	0	6	4	0
38	3	1	0	0	2	1	0	5	7	1	2	17	3
39	11	0	10	1	0	2	0	7	9	0	1	1	8
40	0	0	7	0	0	2	0	0	45	0	0	4	0
41	0	3	0	2	1	0	0	2	3	0	1	4	1
42	1	16	0	1	0	1	0	0	1	9	2	0	0
43	0	0	0	0	0	0	0	0	0	106	0	1	0
44	2	52	0	3	17	0	8	1	100	0	3	130	0
45	8	8	0	1	3	0	1	1	141	163	8	19	0
46	0	0	1	1	0	5	24	0	0	0	0	0	1
47	0	0	3	0	0	0	3	3	9	3	1	0	7
48	0	1	0	0	0	0	1	0	3	1	1	5	0
49	1	0	0	0	2	0	0	7	0	3	2	0	0
50	3	8	3	0	0	0	0	0	8	8	0	1	30
51	1	4	3	0	1	1	0	0	1	0	0	2	0
52	0	0	0	2	0	0	0	0	0	2	0	0	0
53	0	0	0	0	0	0	0	5	0	0	1	0	0

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2	0	0	0	0	0	0	0	0	0	0	3	0	0
3	0	0	0	0	0	1	0	0	0	0	0	1	0
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5	0	0	0	0	0	0	0	0	0	0	2	0	0
6	1	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	1	0	0	5	0
8	0	0	0	0	1	0	0	0	0	0	1	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	18	0	0	0	4	2	0	10	0
12	0	0	0	520	0	0	0	0	0	0	10	0	0
13	49	10	2	28	0	15	0	688	0	0	9	0	1
14	142	56	38	227	111	1513	3	154	12	55	839	13	0
15	3	3	0	0	4	15	1	9	1	0	1	26	0
16	0	8	0	0	0	0	0	3	0	0	0	3	0
17	0	2	0	0	7	2	0	2	5	5	0	3	0
18	10	2	3	2	3	12	9	2	1	4	3	11	11
19	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0
21	3	8	0	1	0	0	0	52	17	0	0	0	0
22	133	24	108	239	81	290	120	57	75	206	138	201	20
23	3	0	0	2	1	3	2	0	0	1	1	4	0
24	0	1	0	0	1	0	0	2	0	0	0	0	0
25	1	0	0	5	1	0	1	1	0	1	3	0	0
26	1	1	0	5	0	0	0	0	0	0	3	0	0
27	8	1	0	3	15	0	0	0	0	3	4	0	0
28	4	0	0	26	30	0	0	1	0	0	5	0	0
29	4	0	0	1	0	0	0	2	0	0	1	0	3
30	2	1	2	0	1	0	3	0	0	1	1	0	12
31	0	1	0	0	0	0	0	0	0	0	0	0	0
32	10	0	0	1	1	0	0	0	0	6	20	1	0
33	1	0	0	0	0	0	0	0	0	0	2	0	0
34	2	0	0	5	1	0	0	0	0	4	5	0	1
35	40	0	0	29	81	0	8	10	38	83	41	8	0
36	2	0	0	2	1	0	0	0	1	10	1	0	0
37	0	0	0	0	0	0	0	0	0	0	0	0	1
38	3	2	0	10	4	0	0	0	4	43	17	0	0
39	5	3	2	3	12	3	4	0	18	11	15	0	0
40	6	0	0	9	24	0	0	2	11	28	10	1	1
41	7	1	5	4	13	14	0	0	8	3	9	0	3
42	0	0	0	2	0	1	0	0	27	0	2	3	0
43	0	4	0	0	4	1	0	0	9	3	4	5	0
44	4	3	0	0	0	0	0	0	0	0	2	0	0
45	0	0	0	1	1	0	0	0	0	2	0	0	0
46	0	1	0	0	0	0	0	0	0	0	0	0	0
47	4	2	2	7	4	5	25	0	0	0	7	0	11
48	5	2	0	10	20	0	0	0	0	5	3	0	0
49	7	1	6	0	0	5	0	0	2	0	8	0	0
50	54	18	41	9	12	80	8	27	23	2	40	2	7
51	2	0	1	0	0	2	2	0	1	0	1	0	0
52	5	6	4	10	52	15	0	0	22	51	6	21	0
53	29	36	5	11	47	20	6	3	453	68	45	162	0
54	0	0	0	1	0	0	0	0	1	0	3	0	0
55	1	1	0	1	2	5	0	0	5	1	4	0	0

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2	1	0	0	2	2	0	0	0	0	1	1	0	0
3	7	6	3	0	11	14	0	0	8	0	8	2	0
4	26	28	4	8	33	15	13	0	34	3	11	14	0
5	11	30	6	7	22	2	10	1	582	25	20	99	0
6	0	3	0	3	4	0	0	0	1	0	0	1	0
7	10	4	0	15	22	1	0	0	82	45	18	23	0
8	1	2	0	1	1	0	1	0	2	1	0	0	0
9	9	1	0	101	5	1	1	0	24	107	28	4	0
10	44	6	0	385	62	41	1	1	131	342	112	12	1
11	1	1	0	30	6	7	2	0	6	3	4	0	0
12	0	0	0	6	0	1	0	0	0	1	4	0	0
13	0	0	0	3	1	1	0	0	1	3	0	0	0
14	0	0	0	7	0	1	0	0	2	0	2	0	0
15	0	0	0	7	0	1	0	0	2	0	2	0	0
16	1	0	0	10	2	0	0	0	0	0	5	0	0
17	2	8	10	9	5	0	18	0	10	1	2	8	4
18	1	3	4	2	3	0	6	2	14	1	3	6	2
19	45	37	96	165	33	39	152	51	458	28	58	203	115
20	2	0	12	18	1	5	8	1	9	0	4	0	1
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22	3	6	10	11	3	0	18	1	6	0	5	2	1
23	0	0	0	1	0	0	0	0	0	0	5	0	0
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47	196	540	689	58	37	11	1	310	16	14	43	214	531
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49	11	15	14	9	33	1	4	5	2	9	6	1	2
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7													
8	324	761	893	122	328	260	1133	148	220	28	214	348	309
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11	479	1198	1491	968	396	1677	3357	415	329	59	357	407	1052
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52													
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6	11	4	1	13	11	3	37	0	17	36	17	24	0
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8													
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22													
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31													
32	719	990	1398	326	272	653	471	754	176	19	268	36	93
33	12	32	49	8	18	17	9	7	25	1	8	10	4
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37	1	4	1	2	0	3	0	2	0	0	2	0	1
38													
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42	24	438	53	13	12	7	104	67	475	0	53	421	47
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45	0	25	3	0	0	0	6	2	0	0	0	0	0
46													
47	65	25	16	30	41	18	151	1	27	147	21	10	0
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2	116	134	212	129	285	14	557	35	135	176	157	340	102
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8													
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14													
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29	491	121	74	192	449	1122	353	380	223	473	621	611	2523
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31													
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35	15	0	0	1	1	0	5	0	33	0	7	17	0
36	0	0	0	0	0	0	0	0	0	0	0	0	0
37													
38	3	0	0	2	29	0	3	5	33	22	0	19	0
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41	0	0	0	0	2	0	4	7	4	1	0	23	0
42	8	1	3	18	37	41	0	0	9	0	15	7	0
43	0	0	0	0	0	0	0	0	0	0	0	0	0
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45	5	1	0	10	39	31	0	7	0	0	59	3	0
46													
47	7	37	52	12	2	0	0	328	1	958	16	27	0
48	16	1	0	13	104	3	0	56	31	0	20	3	0
49	1	0	0	0	8	0	0	0	3	0	10	0	0
50	21	0	2	85	19	44	4	2	12	11	54	9	0
51	1	0	0	3	2	21	0	0	1	0	1	3	0
52													
53	14	0	1	34	13	282	0	0	51	0	30	28	0
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55	1	0	0	1	0	0	0	0	35	0	0	2	0
56	0	2	0	1	4	1	0	0	8	10	1	1	0
57	19	13	2	23	40	22	1	4	105	99	51	37	2
58	4	8	2	9	12	2	12	3	12	13	8	9	0
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60	0	0	0	0	3	0	1	0	1	3	1	0	0

1													
2	0	0	0	0	4	0	0	1	2	1	2	1	0
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6	1	6	0	0	1	0	0	2	2	3	1	1	0
7													
8	11	5	2	7	9	4	1	1	30	48	5	13	0
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11	1	0	0	0	0	0	0	1	0	0	0	0	0
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13	1	0	0	0	1	0	0	17	0	0	2	0	0
14	0	0	0	0	0	0	0	0	0	1	4	0	0
15	0	0	0	1	0	0	0	0	0	11	0	0	0
16													
17	74	122	0	496	265	7	1	1657	24	1173	279	54	0
18	0	0	0	1	3	0	0	7	0	1	4	0	0
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21	1	0	0	0	0	0	0	0	0	0	0	0	0
22													
23	32	20	30	140	46	79	2	22	68	25	41	23	18
24	47	56	6	53	105	75	0	357	11	24	261	17	0
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27	1	0	1	21	7	2	0	56	3	26	0	0	0
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29													
30	139	45	113	166	72	160	39	130	187	195	85	154	99
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32	3	2	5	0	1	5	2	1	0	1	4	0	1
33	41	6	17	9	39	28	5	128	5	38	49	24	122
34	226	47	162	77	128	287	62	260	42	196	51	129	212
35	10	1	5	3	7	10	1	7	3	6	0	6	8
36	0	1	0	0	3	0	0	0	4	58	3	0	0
37													
38	4	0	0	9	7	0	0	0	1	18	2	0	0
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42	161	68	42	37	131	153	17	38	21	50	253	11	0
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44	0	0	0	1	3	42	0	45	0	1	1	20	0
45													
46	18	20	0	101	115	68	5	73	11	17	70	8	0
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48	10	0	87	666	130	89	0	0	109	11	26	0	0
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52	36	0	25	48	52	10	0	73	15	19	19	11	0
53													
54	0	0	0	4	5	1	0	2	1	2	0	0	0
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56	1	0	0	3	23	0	0	9	16	74	5	0	0
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60	3	0	0	0	0	3	0	0	1	1	0	0	0

1													
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4	18	6	0	7	67	0	0	2	45	33	36	33	0
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7	53	7	78	83	14	28	19	53	41	4	32	4	4
8	0	0	0	1	1	0	0	0	0	0	0	0	0
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10	82	32	18	69	489	149	104	13	27	13	102	1	220
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16	1	0	0	0	6	0	0	0	0	0	0	0	0
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24	400	82	140	111	100	43	213	33	205	519	354	5	74
25	2	0	1	0	0	0	3	0	0	1	1	0	0
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27	11	6	2	1	1	0	554	9	30	2	4	80	0
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32	11	18	7	4	17	9	5	7	8	1	11	34	21
33	4	5	0	1	32	0	0	1	0	0	12	0	0
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36	23	0	0	3	0	10	0	8	8	3	1	27	28
37	2	2	2	0	0	5	0	0	9	0	0	25	20
38	19	0	0	9	7	0	0	0	39	18	7	60	0
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40	1	0	6	0	0	4	1	2	1	0	0	2	24
41	26	3	0	3	19	0	0	1	0	0	12	22	0
42	0	0	0	6	0	19	0	41	0	0	0	13	0
43	3	8	9	12	8	37	0	107	2	0	1	85	0
44	0	12	0	14	0	0	0	46	0	0	0	0	0
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46	8	0	0	23	13	0	0	0	0	0	24	0	0
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53	3	0	0	3	1	0	0	22	0	0	7	6	0

1													
2	2	0	0	3	1	0	0	133	0	0	7	12	0
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6	0	0	3	0	15	0	0	0	0	0	1	3	0
7													
8	55	0	0	0	10	0	0	0	0	0	62	0	0
9	50	7	3	72	253	0	1	13	109	6	133	19	0
10	0	0	0	7	0	0	0	0	0	0	0	4	0
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15													
16	11	170	16	48	25	43	29	67	82	52	125	91	0
17	201	272	85	261	41	366	244	340	656	126	129	810	13
18	1	2	1	1	0	8	3	2	4	1	1	2	0
19	5	21	2	1	1	21	16	13	4	5	11	3	1
20	205	539	137	92	43	640	632	437	453	256	361	270	44
21	1	8	3	3	1	3	7	13	12	2	2	4	0
22													
23	2	5	1	0	0	0	5	2	1	0	0	2	0
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25	77	142	19	329	15	209	12	175	232	75	49	268	3
26	3	0	0	4	7	2	1	4	0	2	8	6	0
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28	4	1	0	0	0	0	203	25	0	0	12	25	0
29	1	10	0	0	1	0	2	40	0	0	3	1	0
30	0	3	0	0	0	0	22	0	0	0	1	0	0
31													
32	24	0	0	13	3	12	0	2	3	0	0	2	0
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34	2	2	0	0	0	7	0	2	7	3	13	8	0
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37	1	0	0	0	0	0	0	0	0	0	2	1	0
38	0	0	3	0	0	0	0	0	0	0	0	1	0
39													
40	13	1	4	2	1	8	0	0	4	0	1	7	0
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42	12	0	0	18	8	12	0	2	7	6	22	14	0
43	0	0	0	0	0	0	0	10	0	22	2	0	0
44	8	1	0	8	7	1	0	1	7	3	34	13	0
45	0	1	0	1	0	4	0	0	1	0	0	1	0
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47	5	1	0	26	27	12	0	5	23	24	22	8	0
48	9	2	0	24	24	4	0	0	7	11	16	12	0
49													
50	21	0	6	5	10	9	0	8	10	7	53	18	0
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53													
54	7	0	6	11	4	22	0	67	7	9	138	29	0
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56	3	0	0	9	1	1	0	0	1	6	4	1	0
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60	4	0	0	51	3	0	0	1	0	8	8	1	0

1													
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7	5	3	0	2	59	0	0	80	3	46	1	18	0
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29	21	6	0	29	29	28	1	87	0	5	54	4	0
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35	1	0	0	7	18	0	0	0	6	0	2	0	0
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38	1	0	0	0	5	1	0	6	0	0	3	0	0
39	3	5	0	2	5	7	1	17	0	2	2	8	0
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42	6	0	0	7	7	7	0	16	0	0	722	2	0
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53	80	460	23	44	3	30	3	78	30	13	8	162	440
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55	13	83	6	9	3	8	1	9	3	2	2	24	73

1													
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3	109	3	19	55	70	55	290	219	589	331	26	170	75
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13	30	153	44	18	32	51	45	19	3	6	22	7	182
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16	30	114	6	34	32	6	30	11	12	22	25	19	0
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22	0	0	20	3	1	0	9	0	6	1	0	1	10
23	8	0	0	0	0	0	1	0	0	0	4	0	0
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25	3	0	4	8	3	22	0	1	97	6	85	8	107
26	1	0	0	1	1	2	0	0	6	0	18	0	14
27	7	0	0	5	4	23	3	1	24	5	3	11	9
28	0	0	0	0	1	0	0	4	3	0	3	0	7
29	2	0	0	1	0	0	0	15	18	0	10	0	26
30	1	0	1	1	2	6	0	2	11	3	3	2	0
31	0	0	0	3	0	0	0	1	7	7	0	0	0
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33	13	4	7	23	29	18	9	18	14	22	38	42	2
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36	5	4	0	7	28	23	0	8	81	46	11	37	0
37	1	0	0	0	1	3	0	1	7	0	0	1	0
38	3	23	0	10	12	9	0	12	3	14	32	3	0
39	1	0	0	1	2	0	0	0	11	1	3	2	0
40	3	0	0	3	2	3	1	0	2	2	7	0	6
41	1	0	0	26	5	0	0	2	5	3	8	0	0
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43	1	0	0	0	2	0	0	1	6	0	15	28	0
44	1	5	0	4	1	3	0	10	1	7	6	14	0
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31	47	14	2	76	22	182	36	15	3	1	9	110	175
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14	131	170	78	43	94	146	298	51	436	30	54	84	370
15	31	5	12	29	19	23	2	3	222	26	23	27	28
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17	0	1	0	0	0	0	4	0	3	1	0	1	1
18													
19	11	1	11	8	2	3	1	61	150	4	18	18	1
20	4	2	6	5	1	0	0	50	112	1	12	11	1
21													
22	84	21	76	30	28	45	6	8	184	103	52	122	186
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25	14	8	4	0	11	2	0	0	44	1	2	0	2
26	0	0	0	0	1	0	0	6	7	1	0	5	10
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34	24	54	13	48	3	7	31	33	132	14	15	72	43
35	3	9	0	12	9	0	4	37	20	133	10	16	0
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38	2	0	0	2	0	0	0	0	7	6	2	0	0
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42	4	6	0	0	1	0	0	0	0	4	1	1	0
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44	8	1	109	4	13	6	117	38	28	8	4	2	148
45	0	0	2	0	0	0	0	3	2	0	0	0	0
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47	0	0	1	17	0	0	0	0	2	0	1	0	0
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49	35	1	22	46	238	11	1	0	186	143	191	127	0
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13	20	3	2	12	2	19	5	15	8	18	2	11	21
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16	13	0	0	2	0	1	0	0	39	9	1	7	0
17	0	1	0	4	2	0	0	0	3	0	82	0	0
18	2	0	0	0	1	0	0	4	14	9	0	10	11
19	0	1	3	1	1	36	0	4	16	1	1	6	23
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21	0	0	0	0	0	2	0	2	0	1	1	0	33
22	76	6	21	29	11	60	4	17	127	35	8	30	230
23	6	17	2	2	6	8	0	6	22	1	0	14	279
24	11	4	0	0	1	0	0	0	0	3	2	80	168
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38	17	20	2	4	5	7	119	3	65	33	3	48	64
39	7	8	2	1	1	1	30	3	12	3	2	24	94
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45													
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	T1-559	T1-616	T1-643	T1-623	T2-501	T2-502	T2-543	T2-525	T2-549	T2-557	T2-564	T2-562	T2-619
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11	0	0	0	0	0	1	0	4	0	0	3	0	0
12	18	0	0	0	0	0	0	0	0	0	0	0	0
13	1	0	0	0	0	44	0	0	0	0	8	0	0
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17	10	11	16	3	3	0	0	7	3	0	6	0	2
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20	133	17	0	7	12	154	1	9	0	93	1	0	27
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25	1	33	0	1	0	5	0	0	0	0	0	1	114
26	0	2	0	7	0	52	0	0	0	0	4	0	0
27	195	9	67	18	0	12	0	1	0	6	3	4	8
28	265	12	106	30	2	47	1	1	0	19	11	1	17
29	11	73	84	65	0	0	0	41	0	10	19	36	48
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37	163	0	0	0	0	30	0	0	0	1	15	0	18
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53	8	1	0	4	18	7	4	38	1	22	11	13	5

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15	0	3	0	0	0	4	0	2	0	1	8	0	17
16	0	2	1	10	13	0	2	6	0	5	3	8	1
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21	0	0	0	9	0	3	0	0	0	0	2	1	9
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29	16	3	7	3	7	20	0	4	0	14	2	0	14
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37	0	13	1	5	3	2	0	7	2	0	1	2	0
38	10	0	2	10	7	1	1	4	3	0	4	0	2
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13	236	125	33	17	8	22	8	13	0	19	26	51	61
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26	1	0	0	2	51	36	0	0	0	0	0	0	93
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30	0	42	0	0	0	0	0	1	0	0	0	0	0
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32	8	0	0	0	0	1	0	0	0	2	1	0	0
33	46	134	1	9	5	48	0	5	0	35	5	0	75
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37	18	3	0	6	4	8	0	3	0	11	3	0	4
38	2	0	46	0	0	1	0	19	1	39	6	20	0
39	17	1	9	0	8	2	0	1	0	2	2	4	7
40	8	1	8	9	46	2	0	1	4	12	4	4	5
41	5	1	6	7	27	3	0	0	5	5	1	1	4
42	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	0	0	0	1
44	0	0	0	0	0	53	0	0	0	0	0	0	0
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51	259	10	91	208	1076	37	0	39	196	74	89	31	77
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10	110	728	240	59	9	274	0	72	3	82	3	3	249
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33	59	0	4	6	96	0	0	99	0	31	3	0	44
34	133	71	1	5	79	4	0	0	0	26	43	0	50
35	238	190	0	4	0	6	0	0	0	180	8	0	18
36	85	0	0	18	0	6	0	2	0	0	0	0	291
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40	84	9	174	263	48	136	7	1	58	14	34	23	27
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46	0	460	796	220	39	559	2330	73	788	244	47	1064	10
47	0	6	31	4	0	22	144	5	20	1	1	29	0
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43	681	283	4167	512	1561	2693	2034	1597	4371	3596	1273	4663	1118
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11	130	91	1883	325	585	966	4849	1849	4655	1258	494	730	200
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38	17	0	31	0	57	5	11	17	9	0	2	13	0
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40	76	186	403	250	236	468	362	58	223	346	255	287	261
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45	0	0	11	0	0	2	48	15	29	14	9	14	2
46	0	0	3	0	0	0	12	3	4	0	7	2	0
47	30	13	222	114	89	147	253	470	452	255	137	194	31
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29	108	756	820	156	430	604	233	184	860	225	742	411	77
30	4	7	10	4	31	24	3	20	27	11	18	30	3
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36	0	0	5	0	38	4	0	0	0	0	3	1	2
37	0	0	36	0	36	14	2	0	0	8	29	0	5
38	82	5	634	16	1535	290	8	5	0	147	1039	26	32
39	0	0	5	0	16	4	0	0	0	0	14	0	0
40	0	0	9	2	19	4	0	0	0	2	20	0	0
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55	0	0	0	0	0	0	0	0	2	0	0	1	4

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10	7	0	17	1	6	71	19	9	76	4	9	3	1
11	0	0	2	0	0	0	0	20	0	1	4	1	20
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13	82	5	124	10	20	552	156	101	633	60	77	77	18
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21	0	0	1	0	0	2	0	2	5	0	0	0	0
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23	6	48	131	32	996	37	36	35	55	144	112	292	42
24	0	2	0	1	4	0	1	0	0	1	0	5	0
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28	0	0	6	0	0	0	0	1	0	0	4	3	2
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33	9	29	0	18	0	3	0	22	5	61	40	0	28
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35	10	133	9	37	39	180	36	12	11	12	94	229	18
36	5	16	4	8	0	1	0	10	6	67	11	0	6
37	0	1	0	0	1	0	1	0	1	0	2	0	0
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43	0	1	0	0	0	0	0	5	0	0	3	0	16
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45	0	2	9	2	0	6	7	0	2	1	5	6	2
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47	268	102	96	198	10	402	5	89	91	180	218	317	185
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50	13	1	0	2	0	30	0	1	0	62	0	0	1
51	355	39	2	4	18	23	0	0	1	40	86	28	216
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9													
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11	14	22	37	8	18	46	1	13	15	27	14	59	4
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16	7	1	1	9	0	3	0	0	0	7	0	0	0
17	9	6	2	11	0	11	0	0	5	27	8	8	4
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21													
22	31	216	1	80	0	67	0	2	2	34	5	4	56
23	4	18	34	28	0	19	0	37	0	18	0	5	13
24	47	13	22	26	2	40	0	32	1	9	5	1	35
25	0	0	0	3	3	0	0	1	0	0	0	0	0
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27	0	4	0	0	1	3	4	1	4	3	0	4	1
28													
29	839	753	761	1270	205	395	240	251	564	387	199	450	137
30	2	1	1	3	0	0	2	0	2	0	1	0	0
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37	3	1	0	7	0	24	0	0	0	0	0	0	7
38	0	0	0	0	0	0	0	1	1	0	0	0	0
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43	18	32	0	0	0	9	0	0	0	0	0	0	1
44	355	151	0	5	3	1	0	0	0	27	17	25	7
45	34	292	0	1	0	73	0	0	0	2	2	2	10
46	0	0	0	0	0	0	0	0	0	0	0	0	0
47	107	12	4	5	7	0	0	2	6	0	14	10	12
48	24	1	0	0	0	0	0	1	0	6	0	0	5
49	249	27	0	0	0	0	0	6	0	62	1	3	20
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53	45	51	15	19	9	21	0	0	0	36	11	4	37
54	12	16	4	0	3	9	1	6	0	5	2	2	7
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56	1	2	0	0	1	0	0	0	0	0	1	1	3

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2	0	0	0	2	0	0	0	0	3	1	0	0	1
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5	24	5	1	5	0	9	0	1	4	3	2	5	4
6	2	0	0	7	0	0	0	4	9	2	1	0	4
7	24	24	10	3	12	16	0	1	0	10	4	0	13
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9	14	92	66	44	17	9	16	128	45	21	17	13	22
10	3	0	0	0	0	0	0	0	0	0	0	1	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0
13	11	0	0	0	0	0	0	0	0	0	0	1	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0
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17	946	262	20	128	1	70	0	77	6	31	11	3	219
18	4	0	0	0	0	0	0	0	0	0	0	0	1
19	1	0	0	0	0	0	0	0	0	0	0	0	0
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21	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0
23	118	331	36	74	13	43	0	57	6	17	16	37	32
24	91	311	271	305	5	57	0	26	2	69	14	14	8
25	4	10	12	9	0	1	0	0	0	3	0	0	1
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27	9	24	5	1	3	11	0	0	0	1	1	0	6
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29	50	304	320	107	38	118	51	54	88	110	61	170	56
30	3	4	4	0	1	5	0	3	1	3	4	2	4
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33	58	26	34	41	17	18	0	13	9	29	7	36	4
34	32	47	232	156	88	90	7	333	116	306	87	107	61
35	3	0	6	9	1	1	0	12	2	15	2	6	3
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37	4	46	0	0	0	9	0	0	0	0	0	0	1
38	35	49	1	5	1	0	0	1	0	1	0	0	37
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40	15	4	3	2	2	0	0	0	2	1	0	1	1
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42	94	18	36	29	77	10	1	34	4	101	2	5	252
43	14	17	0	0	1	6	0	1	0	0	0	0	0
44	0	39	0	0	0	0	1	1	0	1	1	0	6
45	57	240	6	17	2	15	0	13	0	13	15	4	26
46	0	8	0	0	0	10	0	0	0	0	6	4	0
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49	3	16	0	2	1	4	0	0	0	0	0	2	3
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56	0	5	2	1	0	23	0	1	0	4	3	7	26
57	2	12	21	3	11	11	0	4	0	1	1	3	0
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59	23	11	38	38	10	14	0	2	9	14	7	15	7
60	0	4	2	9	4	1	0	0	0	0	2	4	1

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7	72	12	150	71	38	36	26	18	11	96	24	89	18
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21	0	0	0	5	0	18	0	1	1	7	2	4	1
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26	23	18	20	51	5	563	17	47	143	39	46	162	166
27	0	0	0	0	0	2	0	0	2	0	0	0	2
28	0	1	0	1	0	8	0	1	1	1	2	3	7
29	0	25	1	7	5	92	1	0	10	0	2	14	7
30	0	2	0	0	0	0	0	2	0	6	0	2	0
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35	30	16	12	0	3	14	0	1	0	3	0	13	26
36	8	35	11	0	17	7	0	2	0	6	3	3	12
37	0	20	21	0	12	3	0	5	0	3	10	64	25
38	9	5	28	23	5	2	0	6	10	4	8	6	1
39	0	4	13	1	7	5	0	25	8	2	3	1	1
40	50	23	8	43	15	33	0	6	4	0	29	11	30
41	1	23	2	23	0	8	0	0	0	3	9	0	0
42	0	1	9	1	0	0	0	1	0	5	0	1	0
43	141	111	6	54	0	1	0	0	4	0	4	0	1
44	1	34	3	14	0	0	0	0	0	0	17	0	1
45	5	237	6	119	0	0	0	0	0	1	88	0	25
46	0	0	0	0	0	0	0	0	0	3	0	0	0
47	0	11	5	0	0	0	0	0	0	0	0	0	1
48	2	13	21	9	0	24	0	20	0	5	0	0	2
49	50	391	7	0	0	180	0	0	1	0	0	0	0
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51	25	26	11	2	47	63	0	83	0	224	34	31	56
52	37	82	9	23	5	4	0	3	0	23	4	9	48
53	0	1	0	0	0	0	0	0	0	24	0	0	0
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55	72	6	5	6	0	0	0	2	0	4	8	4	295

1													
2	23	31	10	6	0	0	0	3	0	0	11	0	473
3	0	0	0	0	0	0	0	0	0	0	0	0	0
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5	23	6	6	1	15	15	0	20	0	8	5	4	9
6	0	1	0	0	8	0	0	0	0	0	1	0	16
7	0	0	0	0	0	0	0	0	0	0	0	0	0
8													
9	333	153	13	2	347	9	0	118	0	383	104	5	156
10	0	16	0	0	0	0	0	0	0	0	12	0	0
11	14	36	19	21	16	0	0	39	2	45	6	21	12
12	4	9	0	0	0	10	0	0	0	9	0	2	11
13	0	0	0	0	2	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	1	0
15													
16	85	221	0	11	6	75	51	138	60	30	11	1	102
17	346	212	42	41	43	419	136	236	614	65	281	719	241
18	1	0	0	0	0	0	1	0	0	0	0	0	2
19	14	1	0	0	1	7	6	23	2	7	0	0	16
20	626	3	9	68	149	363	314	757	143	275	96	64	312
21	9	10	0	5	0	5	5	7	4	0	1	3	9
22	1	0	0	0	1	0	4	4	0	0	2	0	4
23	1	0	0	0	0	0	1	1	4	0	1	0	0
24													
25	182	32	22	28	10	192	72	163	197	46	101	229	60
26	8	9	0	0	2	10	0	3	8	0	2	4	0
27	0	0	0	0	0	1	0	0	0	0	3	0	0
28	0	0	0	0	0	7	0	0	7	0	26	4	0
29	5	6	0	3	0	0	0	1	1	0	3	0	1
30	0	0	0	0	0	0	0	0	0	0	1	0	0
31	1	1	2	0	1	1	0	1	0	0	0	0	1
32	0	7	0	0	0	0	0	0	0	0	0	0	0
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36	2	1	0	0	0	14	0	0	0	0	0	1	0
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40	5	7	2	4	0	10	0	10	0	1	6	6	3
41	0	12	11	0	0	0	0	0	0	0	0	0	0
42	5	23	3	7	0	12	0	0	0	0	3	0	2
43	0	4	9	1	0	0	0	0	0	0	0	1	0
44	0	18	0	1	0	3	0	0	0	0	1	0	0
45	2	35	3	8	0	1	0	8	0	1	5	1	2
46	3	24	9	3	0	10	0	0	0	2	4	6	1
47	12	48	14	19	0	0	0	2	0	0	16	0	3
48	16	102	13	21	4	5	0	6	0	4	14	3	7
49	6	6	2	5	0	1	0	0	0	1	0	0	1
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53	13	50	20	19	5	1	0	5	0	2	5	6	0
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55	0	1	4	1	0	0	0	0	1	1	0	1	0
56	3	27	2	1	0	5	0	0	0	0	1	1	0

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2	4	1	2	8	1	0	0	1	0	1	1	3	0
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6	0	9	0	8	1	3	0	0	0	0	1	0	0
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9	4	5	2	8	0	12	0	5	0	0	7	1	0
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15	0	1	0	11	0	0	0	7	0	3	3	5	0
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18	0	1	0	0	0	0	0	0	0	0	0	0	0
19	0	5	3	3	0	3	0	2	0	0	0	4	0
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21	58	49	46	59	0	3	1	9	0	8	2	0	0
22	4	13	5	18	0	18	0	0	0	0	3	0	0
23	1	10	0	0	0	2	0	0	0	0	0	0	0
24	0	1	0	0	0	9	0	0	0	0	0	0	0
25	0	4	0	2	0	0	0	0	0	3	0	0	0
26	0	4	0	0	0	0	0	0	0	0	0	2	0
27	0	44	0	0	0	4	0	0	0	0	2	0	0
28	5	47	0	2	0	5	0	5	0	1	8	5	5
29	1	26	0	0	0	0	0	0	0	2	0	0	0
30	1	53	4	6	0	7	0	1	0	0	2	0	0
31	1	2	0	0	0	0	0	0	0	0	0	0	0
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33	14	0	0	0	0	0	0	0	0	0	0	0	0
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35	1	5	0	0	0	0	0	0	0	0	17	0	0
36	0	12	2	1	0	0	0	0	1	0	0	1	0
37	1	8	0	1	0	0	0	1	0	1	2	1	1
38	1	3	2	0	0	0	0	5	0	1	0	5	3
39	0	4	0	0	1	4	0	0	0	0	1	0	1
40	0	26	0	20	0	13	6	0	0	3	13	2	0
41	7	5	0	3	0	0	0	1	0	0	1	2	0
42	0	2	0	11	0	0	0	0	1	2	0	1	0
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46	0	0	4	13	2	0	0	1	0	0	0	9	3
47	6	0	8	6	0	0	0	0	0	2	0	2	4
48	0	1	0	8	1	0	2	1	0	3	1	4	0
49	14	1	1	2	0	0	3	2	12	10	3	13	1
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51	32	159	178	135	25	118	36	98	155	201	91	148	32
52	6	89	186	158	227	139	65	73	38	177	191	87	35
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54	1	12	25	24	29	16	9	7	8	34	21	15	12

1													
2	1	5	3	5	9	0	7	5	5	3	10	0	3
3	117	291	390	264	95	77	249	228	433	233	263	161	84
4	3	15	19	6	4	1	6	10	11	9	11	6	8
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7	0	0	5	0	4	1	0	3	0	1	0	0	0
8	0	0	79	0	7	7	3	17	11	6	8	2	0
9													
10	3	2	7	5	5	9	25	1	3	14	31	53	0
11	330	1	7	14	0	269	48	216	258	313	551	431	37
12	127	4	0	0	14	0	0	0	0	3	7	1	3
13	0	2	0	2	1	2	2	0	19	2	0	23	0
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15	6	0	0	1	9	0	0	0	0	3	0	0	3
16	0	0	3	0	0	0	1	1	6	0	1	2	3
17													
18	73	3	0	60	319	49	11	12	13	99	52	11	42
19	182	6	9	172	528	59	12	13	19	59	116	45	48
20	0	7	1	6	0	2	0	0	0	0	0	0	0
21	9	3	2	22	1	9	0	2	0	0	2	3	2
22	0	0	0	0	0	7	2	2	1	1	4	1	1
23	0	2	3	7	0	35	4	0	1	11	19	8	2
24	1	0	1	1	0	13	13	65	6	22	15	12	2
25	0	0	0	0	0	0	0	0	0	5	0	0	0
26													
27	11	1	4	6	0	9	0	10	1	0	12	1	1
28	2	77	67	74	1	183	7	31	0	9	31	8	4
29	0	9	1	4	0	23	0	3	0	2	11	7	2
30	5	62	9	11	1	7	0	7	5	6	6	0	8
31	0	18	0	4	0	19	28	1	0	1	13	3	0
32	2	147	7	27	0	59	3	7	0	8	22	1	1
33	7	7	0	26	0	15	0	2	0	0	5	0	1
34													
35	39	2	0	0	0	7	0	0	1	0	0	1	1
36	2	15	2	5	0	1	0	0	0	0	0	0	0
37													
38	46	100	6	32	1	30	0	18	2	11	14	16	73
39	5	19	5	1	0	7	0	4	0	6	2	3	13
40	2	7	1	2	0	1	0	0	0	0	0	0	4
41	19	5	5	55	15	14	2	19	8	16	14	41	14
42	0	0	0	1	1	0	0	2	0	0	2	1	2
43	1	40	10	5	0	37	0	17	0	26	13	12	0
44	0	25	0	1	2	7	0	0	0	0	0	0	3
45	0	1	2	1	0	0	0	0	0	1	0	2	0
46	0	37	0	9	0	8	0	0	0	1	1	0	1
47	0	13	0	7	0	0	0	3	0	0	0	0	0
48	1	4	2	1	0	1	0	1	0	0	1	3	0
49													
50	10	3	2	6	1	0	0	0	0	1	2	0	6
51	5	9	2	2	8	17	0	2	3	6	8	5	15
52	0	1	0	0	0	0	0	0	0	2	0	0	1
53	0	8	1	3	0	0	0	1	1	2	0	0	0
54	0	1	1	1	2	0	1	0	5	5	3	5	1
55													
56	20	0	0	5	2	38	0	1	0	0	4	3	9
57	4	0	0	0	0	1	0	0	0	0	2	0	5
58	0	34	10	30	0	5	0	2	0	4	0	0	0
59	0	7	0	10	1	4	1	2	0	0	2	0	0
60	0	0	0	1	0	2	0	3	0	3	0	0	0

1													
2	0	16	20	0	0	3	0	24	0	1	5	0	2
3	0	3	33	18	2	3	0	5	1	0	0	0	1
4	0	7	6	2	4	1	0	5	0	3	0	0	1
5	0	32	9	0	2	6	0	2	0	1	23	0	0
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9													
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27	120	38	98	21	29	148	0	8	1	10	12	18	16
28	82	15	57	22	12	56	5	34	0	33	34	22	25
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45	5	6	0	2	0	3	0	0	0	0	1	0	0
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9	362	89	81	83	13	49	4	37	89	46	20	3	63
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25	261	18	240	150	51	65	3	181	10	105	32	86	125
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27	21	11	113	6	65	60	23	29	1	28	31	27	1
28	8	0	165	14	38	8	14	14	28	15	18	60	0
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30	46	22	45	43	25	41	0	11	11	32	20	11	19
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33	94	146	113	193	6	261	2	20	4	32	26	12	2
34	70	108	21	19	3	17	5	46	1	18	0	1	5
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43	70	78	12	17	6	196	0	78	2	436	14	8	17
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53	0	0	0	1	0	0	0	1	0	0	0	10	8

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9													
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16													
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21													
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30													
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36	0	9	9	6	0	16	0	0	0	3	1	0	0
37													
38	3	42	161	35	9	3	4	23	1	12	0	12	5
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43													
44	26	4	13	0	24	67	2	7	25	47	17	32	25
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52													
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22	71	18	194	228	234	156	59	71	201	94	254	398	174
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25	11	50	191	31	38	313	48	217	474	513	38	155	54
26	10	40	182	0	12	83	53	12	8	6	31	1	7
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31	11	36	20	8	12	8	62	16	25	11	22	23	4
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7	0	0	4	2	7	2	5	1	0	0	8	0	0
8	4	0	0	1	2	5	3	0	0	3	10	3	3
9	0	0	12	5	8	2	5	6	2	1	6	5	3
10													
11	284	19	493	393	1236	172	104	309	198	106	680	363	89
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14	32	7	237	137	314	248	227	230	291	277	627	539	82
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16	9	1	11	9	69	7	2	63	0	3	232	7	41
17	0	3	1	0	0	1	0	1	0	0	9	1	0
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19	2	3	0	32	5	38	0	3	0	75	15	0	6
20													
21	411	25	99	203	222	102	94	212	109	61	361	145	50
22	9	6	45	25	32	13	13	29	150	22	24	46	44
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26	28	7	9	10	19	17	7	13	75	6	79	18	4
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39	0	0	0	1	55	11	18	7	0	6	22	6	0
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41	62	29	18	409	158	22	32	30	12	15	13	75	23
42	0	4	0	14	0	0	9	1	7	1	0	2	0
43	0	0	0	0	0	2	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0
45	199	0	0	0	0	2	0	17	0	1	30	0	322
46	13	83	44	98	13	151	1	151	0	50	74	5	40
47	0	1	0	1	1	1	0	2	0	2	2	0	0
48	33	0	0	2	0	1	0	11	0	0	97	0	24
49	0	4	0	0	1	31	0	5	0	0	0	0	2
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52	2	0	0	0	0	0	0	0	0	2	0	0	0
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55	4	10	0	7	6	11	1	5	0	8	7	6	1

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18	0	3	0	4	0	6	0	0	0	3	6	1	0
19	0	1	10	12	0	0	1	8	2	3	28	18	0
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25	4	4	36	9	4	11	4	24	32	12	19	28	13
26	0	0	56	1	58	103	293	45	241	76	85	77	0
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34	12	46	7	11	8	30	0	5	0	5	16	8	8
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47													
48													
49													
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1													
2													
3													
4	T2-638	T2-641	T2-618	T2-643	T2-623	T2-644	T2-645	T1-639	T1-599	T2-561	T2-642	T2-609	T2-617
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32	72	10	2	13	30	2	32	9	63	62	26	1	40
33	132	23	0	12	61	0	130	419	79	87	72	72	372
34	0	0	3	0	2	0	0	0	1	1	0	0	0
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37	34	15	0	0	21	0	88	15	76	4	1	13	41
38	0	0	0	3	2	10	0	0	0	3	0	0	0
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45	57	0	0	0	0	0	5	59	59	7	1	1	0
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49	10	0	0	0	0	0	0	0	5	1	0	1	0
50	6	0	0	0	0	0	0	1	7	0	0	3	32
51	6	0	0	0	0	0	0	1	8	1	3	2	55
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56	0	1	0	0	2	0	0	0	1	1	0	1	1
57	0	0	0	0	0	0	0	1	23	0	0	2	0
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60	6	2	0	0	2	0	3	17	61	31	16	1	15

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9	0	0	3	8	6	0	0	3	0	0	1	0	0
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22	0	0	0	0	0	3	3	0	1	2	0	1	5
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26	14	25	9	15	25	0	117	7	17	0	3	15	58
27	0	0	0	0	3	0	5	2	1	0	1	5	0
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39	3	11	1	0	1	0	3	0	9	15	0	1	38
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43	18	0	0	0	0	0	0	0	14	12	0	0	138
44	0	1	2	1	1	2	44	5	0	0	1	0	4
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46	0	0	0	0	0	0	0	0	0	2	0	0	0
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49	1	1	0	0	1	0	0	4	0	2	4	1	0
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9													
10	45	0	0	5	0	0	0	2	0	0	3	0	29
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17	12	13	0	6	9	0	5	12	4	6	6	0	0
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19	0	0	0	0	0	0	0	0	0	0	0	0	0
20													
21	11	6	0	65	0	1	5	0	5	0	1	1	18
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28	0	0	1	0	1	0	18	4	3	0	1	24	109
29	0	0	0	0	0	0	0	0	1	0	0	0	0
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31	0	4	0	0	0	0	0	0	0	1	4	0	0
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38	46	2	2	0	10	0	2	5	1	35	68	0	34
39	14	5	1	1	11	0	7	9	2	20	2	1	27
40	16	0	1	41	0	0	0	4	0	20	199	0	0
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44	5	0	0	0	0	0	0	0	0	0	0	0	22
45	2	0	3	0	0	0	0	0	0	0	0	0	0
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47													
48	36	69	0	26	94	0	3	1	3	1	11	1	15
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50	5	8	0	5	0	14	0	0	0	0	0	0	0
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54	25	45	51	28	33	2	5	98	19	167	17	44	106
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56	0	3	1	0	1	0	0	1	0	4	0	0	1

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9	144	54	0	5	94	0	20	25	53	26	11	72	142
10	792	332	1	24	418	0	118	164	251	102	110	338	694
11	13	33	0	2	13	0	7	6	3	3	0	2	11
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18	194	263	94	82	170	61	62	38	223	85	51	123	295
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22	9	0	0	0	0	0	0	0	0	0	0	0	10
23	4	11	218	1	1	21	0	2	28	31	3	4	0
24	291	343	23	13	181	5	47	73	216	16	15	7	751
25	250	131	36	24	122	3	18	84	151	126	33	20	761
26	0	0	1	2	2	0	2	2	5	6	0	2	4
27	114	11	1	0	119	0	17	13	186	64	60	1	147
28	10	11	0	0	3	0	4	4	2	1	1	1	16
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30	75	45	10	6	83	1	40	59	14	44	38	129	159
31	34	4	0	1	20	0	7	3	7	0	0	25	15
32	29	15	61	19	82	0	55	53	24	180	59	134	49
33	55	0	64	1	9	0	84	4	0	0	11	5	162
34	2	28	11	0	33	4	43	87	24	83	65	21	201
35	6	17	2	0	9	0	68	25	19	100	48	8	166
36	136	7	0	0	1	0	113	51	0	104	110	0	136
37	0	0	4	4	0	0	0	1	0	0	0	5	0
38	0	7	8	16	1	0	0	0	0	0	0	0	1
39	1	4	5	4	0	1	0	2	0	0	0	0	0
40	96	67	61	103	25	39	34	82	33	27	44	50	56
41	0	0	0	3	0	0	0	0	0	1	0	0	0
42	57	11	11	5	34	0	97	19	21	48	14	7	30
43	0	1	2	2	0	9	0	0	0	0	0	0	2
44	1	16	5	5	2	58	0	0	0	0	0	0	2
45	0	2	3	0	0	9	0	0	0	0	0	0	0
46	229	248	107	135	94	863	0	4	3	1	0	63	67
47	1	17	9	8	2	29	0	0	0	0	0	1	3
48	6	6	33	9	0	13	22	0	0	3	0	6	5
49	2	1	5	1	0	0	7	0	0	0	0	0	1
50	0	1	2	0	0	2	3	1	0	4	0	1	0
51	0	0	1	0	0	0	3	0	0	1	0	1	0
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53	0	0	10	0	0	1	5	0	0	0	0	0	0

1													
2	2	0	12	0	0	0	6	0	0	0	0	0	0
3	2	0	2	0	1	2	0	2	0	0	0	0	1
4	193	107	690	103	36	394	988	58	79	216	13	216	316
5	1	2	9	0	0	3	4	2	2	0	0	3	3
6	5	0	11	1	2	5	11	0	0	2	1	4	3
7	0	1	14	1	0	1	4	0	0	0	0	2	0
8													
9	20	32	4	4	2	0	1	10	3	5	0	1	12
10	5	7	5	0	0	0	4	4	1	3	0	3	1
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13	1	4	7	1	5	9	1	2	0	0	0	0	4
14	0	0	2	0	0	0	0	0	0	0	0	3	0
15	1	1	1	0	0	1	0	0	0	0	0	0	0
16	1	0	2	1	0	1	1	0	0	0	0	0	0
17													
18	12	10	5	5	8	20	3	2	0	3	0	1	3
19	0	3	3	1	0	0	0	2	0	0	0	0	6
20	1	1	2	4	0	0	0	0	0	2	0	0	0
21	4	23	5	0	0	3	0	0	0	1	0	0	0
22	0	0	0	0	0	1	0	0	0	0	0	0	1
23													
24	2	3	10	0	1	11	2	2	1	0	0	2	1
25	1	17	0	0	1	1	1	1	1	4	0	2	13
26	3	2	43	6	20	11	6	1	0	2	0	6	2
27	0	1	2	0	1	1	4	0	0	1	0	4	1
28	0	0	2	3	1	5	4	3	0	4	1	0	0
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30													
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32	6	26	22	9	13	58	7	2	0	3	1	4	5
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35	0	5	7	9	2	31	2	0	0	0	0	1	1
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38													
39	0	2	0	0	0	0	0	0	0	0	0	0	0
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41	0	0	0	3	0	0	0	0	0	0	0	0	0
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43	2	6	8	0	5	0	1	0	0	1	0	3	0
44	0	1	0	2	2	0	0	0	0	0	0	0	0
45													
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47	0	4	14	1	0	6	3	3	0	2	0	0	1
48	2032	4264	3623	1795	992	5021	1699	1070	709	826	162	987	1554
49	0	4	10	3	0	2	7	1	0	1	2	2	0
50	1	0	0	4	0	0	0	0	0	1	0	2	0
51	3	10	0	7	4	3	3	1	0	15	0	2	3
52	5	5	0	3	6	1	0	1	0	2	0	0	1
53													
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55	8	8	0	20	14	3	3	6	0	8	0	2	1
56	2	5	0	3	7	4	0	2	2	2	0	0	2
57	3	25	24	1	2	20	4	4	2	4	0	0	1
58	0	0	0	5	0	0	0	1	1	0	0	2	0
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1													
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5	1	1	3	0	0	7	0	0	0	0	0	0	0
6	3	2	0	6	1	2	2	0	0	2	0	0	0
7													
8	407	382	323	378	340	986	214	102	84	287	1	83	190
9	2	5	1	3	6	4	2	0	0	1	0	0	1
10	51	90	5	141	59	52	13	16	6	98	0	6	10
11	758	1003	553	1188	1059	1584	307	172	52	838	5	183	314
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14	8	3	2	4	0	1	1	1	0	7	0	0	0
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16	0	4	1	8	1	1	2	0	0	0	1	2	0
17	3	1	5	1	0	2	6	1	0	3	0	0	1
18													
19	20	48	41	32	14	57	17	11	10	5	2	4	22
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21	7	14	4	3	0	7	3	3	0	1	0	2	3
22													
23	15	28	19	23	18	38	11	13	6	12	0	6	16
24	8	22	15	5	6	27	9	6	5	4	0	8	5
25	4	13	11	10	1	14	11	2	1	10	0	3	0
26	1	5	72	7	0	33	25	0	0	6	0	1	3
27	0	10	16	0	0	13	6	1	0	1	0	1	2
28	2	10	3	5	0	5	2	0	0	0	0	0	0
29	3	5	3	0	0	4	8	0	0	1	0	0	0
30	0	0	0	0	0	0	0	0	0	1	0	0	0
31	0	0	0	0	0	0	0	0	0	1	0	0	0
32	0	0	18	1	0	4	3	0	0	0	0	0	0
33	0	0	0	1	0	1	2	0	0	0	0	2	0
34	14	33	0	0	0	0	26	48	38	17	19	0	1
35	0	3	0	0	0	0	2	2	1	1	0	0	3
36													
37	37	62	13	6	35	0	22	40	67	89	0	12	137
38	0	4	1	1	0	0	0	3	0	0	0	1	0
39	2	11	18	10	1	6	7	3	1	6	0	6	5
40	2	0	3	2	0	2	0	0	0	2	0	0	1
41	0	0	9	0	0	0	0	0	0	0	0	0	0
42	0	7	17	75	0	19	0	1	0	0	0	3	0
43	0	6	13	18	0	8	0	0	0	1	2	0	2
44													
45	289	238	262	456	232	139	269	204	443	359	203	353	233
46	2	0	3	3	2	1	3	0	2	2	0	5	2
47	0	0	0	0	0	0	0	0	0	2	2	2	0
48	2	7	41	0	1	8	6	1	2	34	6	3	4
49	24	16	155	4	1	56	19	5	8	132	12	6	22
50	0	10	48	6	0	12	4	0	1	3	0	0	0
51	1	1	0	1	0	2	0	0	0	2	0	0	0
52													
53	42	170	210	152	73	233	184	31	45	161	19	16	48
54	1	0	4	0	0	0	2	0	0	1	0	0	0
55	0	3	0	0	0	0	2	2	0	1	0	0	5
56	74	30	12	3	108	0	28	35	71	17	125	34	295
57	0	1	0	0	0	0	0	0	0	1	0	0	2
58	2	1	0	0	0	0	5	0	3	0	0	1	4
59	0	0	0	0	0	0	2	0	0	3	0	0	4
60	0	0	0	0	1	0	0	0	1	3	0	0	7

1													
2	60	213	42	34	49	6	116	49	820	479	15	251	1411
3	0	0	1	0	0	0	0	0	0	3	0	0	2
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5	0	2	0	0	0	0	0	0	4	2	1	0	0
6	19	4	0	0	5	0	4	1	12	0	20	2	47
7	1	4	1	0	9	2	3	0	0	1	0	0	4
8													
9	26	55	33	2	448	1	87	49	39	16	153	27	152
10	0	0	0	0	9	0	0	6	0	4	1	0	5
11	18	0	0	0	0	0	3	0	0	0	3	0	19
12	3	1	5	0	1	0	1	7	0	10	33	2	26
13	1	5	1	0	2	0	0	0	2	0	0	0	1
14													
15	107	15	26	24	48	1	62	41	12	30	15	116	95
16	0	0	0	0	0	0	0	1	2	0	0	4	0
17	12	0	1	0	24	0	0	0	0	2	0	0	2
18	0	5	4	0	0	6	1	3	3	2	0	0	3
19	3	0	0	1	1	0	1	1	0	3	0	1	2
20	1	0	1	0	0	2	0	0	0	0	0	0	0
21	1	0	1	0	0	1	0	0	0	0	0	0	0
22	1	0	0	0	0	1	3	0	1	1	0	0	0
23	0	1	2	0	0	0	1	0	0	1	0	1	0
24	0	0	0	0	0	0	0	0	0	4	0	0	0
25	5	15	13	8	0	21	7	5	0	5	0	4	2
26	0	1	0	0	0	2	0	0	0	2	0	0	0
27	0	0	7	1	0	1	6	0	0	0	0	0	1
28	0	0	0	3	0	4	2	0	0	6	0	3	1
29	1	0	1	1	1	0	2	0	2	2	0	0	1
30													
31	195	220	132	101	146	223	247	178	277	664	92	351	180
32	3	35	14	10	0	16	17	9	8	12	5	14	22
33	0	2	1	3	0	0	2	1	0	2	1	0	1
34	3	62	15	19	6	31	7	33	26	18	11	22	44
35	0	4	1	5	2	13	21	0	1	1	0	1	5
36	0	1	1	2	1	0	0	0	3	0	0	0	2
37	7	23	59	13	1	2	9	1	0	31	0	0	0
38	0	0	18	5	0	4	6	3	0	0	3	0	0
39	0	0	132	30	2	24	22	6	0	3	0	0	1
40	13	0	2139	709	42	403	1113	251	5	268	30	77	66
41	0	0	13	1	0	2	6	3	0	1	0	0	1
42	0	0	19	7	0	3	8	6	0	2	0	1	0
43	0	0	12	3	0	4	2	0	0	1	0	1	0
44	9	3	13	6	8	15	169	10	42	4	24	26	2
45	0	0	0	0	0	0	3	1	0	0	1	1	0
46	46	18	0	2	36	1	14	1	22	8	11	3	22
47	0	0	11	1	1	1	2	1	0	0	0	0	5
48	0	0	6	2	0	3	6	0	1	0	0	1	1
49	1	0	4	1	0	0	1	1	1	0	0	0	0
50	0	0	0	0	0	0	3	0	0	0	0	0	0
51	0	0	1	0	0	0	4	0	0	0	0	0	0
52	0	0	47	4	0	6	16	1	0	0	0	2	0
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54	0	0	26	0	0	2	12	0	0	2	0	0	0
55	0	0	2	1	0	0	2	0	0	0	0	0	0
56	0	0	6	0	0	0	2	0	3	0	0	0	6

1													
2	51	5	1076	116	6	202	585	26	206	21	14	83	469
3	0	0	0	0	4	5	0	4	0	2	1	0	0
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5	151	7	22	2	7	1	66	27	92	8	9	7	87
6	3	1	155	3	28	3	23	9	0	1	20	23	15
7	11	6	3	1	0	1	2	0	1	10	4	0	2
8	31	10	13	5	3	4	1	2	0	31	44	0	54
9	32	22	6	12	1	1	4	0	4	28	17	0	86
10	2	4	0	5	0	1	2	0	1	7	1	1	1
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13	49	23	21	42	1	41	33	0	17	76	16	7	62
14	3	0	2	0	0	0	0	0	1	2	2	0	4
15	1	0	2	2	0	0	0	0	0	0	0	0	0
16	0	1	1	0	0	0	0	1	1	1	1	0	3
17	0	1	3	0	0	0	0	0	0	0	1	0	0
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21	0	1	2	1	0	1	1	0	0	2	0	0	0
22	0	1	0	0	0	0	2	0	0	1	1	0	0
23	4	0	2	1	0	0	0	0	1	0	1	0	0
24	410	476	72	8	83	52	44	48	139	79	7	27	95
25	1	4	0	0	0	0	0	0	0	0	0	0	0
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27	1	1	0	0	0	0	0	0	0	0	0	0	0
28	7	15	2	1	1	5	0	0	0	0	0	0	0
29	1	3	0	0	1	0	0	0	6	1	0	0	17
30	0	3	1	1	0	0	0	0	1	0	0	0	0
31	3	9	25	1	43	18	7	0	42	2	0	5	32
32	19	0	2	0	1	0	0	0	2	0	0	0	0
33	7	0	0	0	0	0	1	0	4	0	1	1	0
34	278	12	2	15	10	5	36	3	40	53	3	2	2
35	8	0	0	0	0	0	14	15	4	8	3	0	0
36	17	69	53	8	22	31	61	13	22	138	93	133	98
37	163	14	8	3	9	3	26	2	12	43	1	1	0
38	0	3	1	0	0	1	1	0	0	0	1	2	0
39	8	5	1	2	0	3	6	0	0	3	2	0	0
40	0	0	1	0	0	0	0	0	0	1	0	0	0
41	0	2	1	0	0	5	5	0	0	0	0	0	0
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43	12	46	1	0	1	1	49	4	238	48	68	11	212
44	5	0	4	0	1	0	4	3	10	6	0	1	167
45	77	40	0	0	5	1	14	93	74	23	78	0	51
46	0	5	7	3	1	13	0	0	1	2	0	2	0
47	8	21	13	28	24	90	1	9	0	0	9	30	0
48	367	422	336	273	231	80	183	8	190	156	69	672	91
49	3	7	4	2	0	2	2	0	0	3	0	0	0
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51	32	2	0	0	1	0	76	10	81	9	1	18	143
52	84	27	155	1	42	6	827	3	121	5	0	189	308
53	0	0	0	0	0	0	0	0	0	324	0	0	0
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1													
2	16	8	5	2	10	0	21	86	1	17	12	0	52
3	10	0	4	0	0	0	0	0	6	0	0	0	0
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5	7	6	12	35	19	10	0	4	0	0	0	6	28
6	0	2	4	9	3	0	0	0	0	0	0	0	0
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8	0	2	3	3	0	0	0	0	0	0	1	1	0
9													
10	19	0	0	6	12	2	0	0	5	0	0	57	0
11	21	17	12	14	44	3	4	2	23	3	0	33	14
12	3	0	2	0	4	0	3	4	0	18	10	4	12
13	0	0	0	0	0	0	0	0	0	0	3	0	1
14													
15	96	58	21	51	107	9	27	40	31	105	22	106	7
16	0	0	0	1	2	0	0	1	1	0	2	1	19
17	12	4	1	1	89	1	0	4	6	7	4	16	2
18	0	2	22	16	8	0	0	0	8	9	2	18	0
19	28	36	0	0	26	4	67	36	106	32	189	83	15
20	0	5	0	0	0	0	0	0	1	0	0	0	5
21	0	0	0	0	0	0	0	0	0	0	2	0	5
22													
23	52	9	31	0	32	0	2	49	49	12	107	84	55
24	2	25	0	16	38	0	1	22	23	17	32	40	10
25	68	43	14	62	247	0	16	76	66	33	123	280	39
26	0	0	3	6	0	0	0	2	0	0	0	0	0
27	0	5	1	8	1	3	0	1	0	2	2	0	0
28	0	3	4	9	1	1	0	1	0	2	1	0	0
29													
30	258	469	318	1486	1010	91	149	529	132	342	670	1227	147
31	1	1	1	3	0	0	0	1	0	1	2	5	0
32	2	0	1	3	0	0	1	1	0	1	3	1	0
33	4	2	0	0	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	1	1	0	0	0	0	0	0
35													
36	13	11	0	34	0	0	0	0	13	0	25	0	0
37	0	0	0	0	0	0	0	0	0	0	0	0	0
38	11	5	0	250	14	0	0	0	22	1	8	0	0
39	4	1	0	0	3	0	5	0	1	2	1	3	1
40	0	1	2	0	2	0	0	0	0	0	0	0	0
41	0	5	35	3	0	4	0	0	0	0	0	0	7
42													
43	46	178	3	0	27	22	241	7	9	0	0	6	10
44	0	2	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	1	8	0	0	0	0	0	19	3	1	52	54	0
47	1358	188	1	1	11	0	0	496	14	236	388	1	0
48	10	4	6	9	75	0	7	63	78	15	464	231	0
49	2	6	0	0	0	0	0	11	0	0	12	1	0
50													
51	33	23	2	1	0	0	6	60	18	0	13	111	326
52	3	0	0	0	0	0	0	10	1	0	2	0	3
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54	0	0	0	0	0	0	0	0	0	7	0	0	0
55	0	0	0	0	0	0	0	40	118	5	0	0	2
56	3	2	2	0	0	0	1	4	7	6	3	3	1
57													
58	51	32	20	11	11	0	44	32	61	76	49	49	46
59	7	14	5	1	2	0	1	4	13	6	8	3	24
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6	1	2	1	0	14	0	0	0	0	5	3	0	3
7	13	14	8	1	4	0	12	8	49	38	31	25	19
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9	48	67	9	23	16	10	2	54	9	15	34	44	77
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13	0	0	0	0	3	0	0	0	0	0	5	0	0
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16	106	63	24	12	159	0	90	301	398	128	851	274	211
17	0	0	1	0	1	0	0	2	0	0	3	0	0
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22	50	29	96	50	42	1	17	201	64	64	107	29	63
23	135	122	10	285	502	0	6	12	125	46	242	182	44
24	5	0	0	5	9	0	1	0	3	0	6	3	0
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26	12	10	0	0	2	0	0	19	0	2	19	17	3
27	0	11	5	5	0	0	0	1	0	0	0	0	0
28	164	266	78	610	50	15	45	232	95	186	129	71	221
29	6	1	1	5	0	0	1	0	1	9	1	2	6
30	0	5	0	9	2	0	0	0	0	1	0	0	0
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32	116	350	114	306	146	13	66	217	91	79	95	119	181
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35	12	0	0	0	2	0	2	0	0	3	5	0	5
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39	132	49	2	33	12	0	28	21	42	0	47	41	84
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42	143	20	8	31	30	0	14	117	63	27	508	57	144
43	0	0	0	0	0	0	0	0	0	1	6	0	0
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45	16	0	0	0	12	0	0	1	7	0	0	8	0
46	38	0	4	7	10	0	9	24	41	9	46	18	22
47	17	13	17	17	1	3	8	12	3	15	5	2	17
48	40	9	2	6	47	1	2	2	7	23	114	18	30
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51	8	22	0	0	3	0	1	21	29	1	88	32	13
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53	29	6	0	1	0	0	1	25	31	12	6	58	10
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8	36	0	0	0	0	0	0	0	102	0	0	0	0
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19	0	0	0	0	0	0	10	0	0	0	0	1	0
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28	19	6	0	13	2	0	0	2	0	32	7	0	81
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36	10	0	95	18	22	0	0	3	4	10	1	2	56
37	0	5	2	9	14	9	2	3	8	20	2	17	0
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45	0	0	0	0	0	0	1	0	0	9	0	0	0
46	5	0	0	0	2	0	0	0	0	0	6	0	27
47	2	26	0	9	26	0	1	0	0	0	30	0	194
48	233	1	0	0	0	0	0	0	3	0	6	2	0
49	12	22	56	8	10	0	14	25	5	78	35	2	26
50	45	28	3	44	4	0	104	18	45	416	14	7	306
51	15	95	0	5	61	0	6	29	25	12	4	2	33
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54	22	28	0	0	109	0	0	352	0	0	63	2	34

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2	36	3	0	0	8	0	0	1	0	0	171	1	76
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8													
9	17	1	174	10	31	0	780	14	7	166	121	1095	37
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13	3	2	0	0	0	0	2	0	3	0	6	0	0
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16	9	612	96	81	87	42	311	220	149	135	86	181	214
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19													
20	13	106	158	47	140	163	53	177	346	382	14	159	81
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24	5	179	37	30	50	5	101	84	56	91	24	70	77
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28	0	1	0	0	12	0	0	8	1	0	10	0	1
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39	1	0	0	2	0	0	8	2	0	0	2	0	0
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41	2	0	0	0	16	0	5	11	44	1	100	29	32
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49	18	9	5	9	30	0	6	34	92	13	25	78	9
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57	1	0	0	3	6	0	0	5	23	4	47	13	0

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15	14	1	0	90	21	0	0	5	0	1	16	0	0
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19	0	0	0	23	18	0	0	2	0	4	22	0	0
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23	1	1	0	6	5	0	0	55	17	9	110	51	1
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25	0	14	0	0	0	0	0	1	0	0	0	0	0
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28	0	0	0	0	0	0	0	0	0	0	0	7	0
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31	1	0	0	0	2	0	0	0	0	0	0	4	0
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37	3	0	0	0	0	0	0	0	5	0	1	1	0
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41	3	6	3	3	14	0	0	1	1	0	0	0	5
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47	14	1	1	2	11	0	0	19	1	0	0	0	2
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54	240	87	36	326	291	60	35	71	47	26	80	342	132
55	39	198	9	60	175	270	108	48	43	7	0	23	25
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1													
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3	93	194	32	398	293	171	39	103	47	36	22	152	57
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10	200	157	382	32	4	49	249	3	196	242	0	142	21
11	17	0	1	0	0	1	86	21	20	120	13	28	0
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17	172	64	54	45	102	67	388	12	85	96	1	19	529
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22	0	0	8	2	5	0	1	6	23	105	1	16	11
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25	56	34	21	3	12	39	42	36	76	38	6	10	143
26	7	14	4	0	10	1	1	17	6	6	2	0	17
27	2	0	11	3	8	0	1	21	3	8	0	10	0
28	5	0	15	0	3	4	5	8	0	0	0	2	9
29	6	5	4	0	14	6	17	53	6	6	12	6	11
30	1	2	0	0	8	0	0	10	12	14	6	3	1
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36	14	20	8	12	8	2	94	25	7	51	11	0	16
37	1	2	0	1	0	1	5	6	0	10	1	0	0
38	0	7	2	8	23	0	1	12	7	34	20	8	1
39	2	10	0	0	4	0	1	0	6	1	0	7	5
40	0	2	0	0	4	0	0	7	4	0	0	2	0
41	0	4	0	2	3	0	0	5	25	2	15	26	0
42	3	0	0	1	3	0	0	11	0	0	5	6	0
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45	10	6	2	0	0	0	15	9	3	12	13	1	6
46	2	0	3	0	0	0	1	4	1	0	0	0	0
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50	3	3	0	0	0	0	0	20	1	3	9	0	4
51	0	0	1	4	3	1	0	4	1	1	0	1	0
52	0	5	0	0	8	0	0	14	0	0	6	4	4
53	0	0	5	0	1	0	0	0	0	2	0	0	0

1													
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5	14	35	0	12	3	0	0	2	35	2	0	18	4
6	0	0	0	5	0	0	0	0	0	2	0	0	0
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9													
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20													
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30													
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46													
47	45	13	8	0	38	0	1	13	105	1	0	24	16
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58													
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21	4	0	0	0	0	0	0	2	8	0	0	9	3
22													
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28	16	0	0	0	1	0	0	0	0	2	0	156	0
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30													
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32	19	29	7	27	21	3	18	172	98	17	27	186	28
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60	2	0	0	2	1	0	2	1	0	0	0	0	5

1													
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14	95	75	35	13	74	5	52	41	51	46	12	146	116
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27	50	53	22	28	25	1	12	2	16	31	0	4	89
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43	121	31	1	18	73	1	54	133	106	62	127	3	230
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46	3	9	1	9	2	0	6	15	12	11	33	3	0
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22	26	9	0	16	25	0	1	12	0	5	1	0	83
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27	141	66	8	49	160	3	1	109	128	59	238	122	136
28	24	0	0	0	0	0	0	0	0	0	0	0	0
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37	12	0	0	0	4	0	1	1	0	2	0	0	0
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43	4	35	0	0	2	0	2	2	55	0	0	25	2
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25	14	62	149	95	13	274	343	100	93	258	33	158	249
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35	97	0	3	70	0	18	21	8	0	10	6	0	17
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46	1	0	0	5	0	0	8	0	191	13	0	123	0
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48	86	14	23	3	13	1	310	9	105	75	16	9	151
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53	1	0	0	0	0	0	9	0	4	2	1	0	10

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10													
11	263	235	1570	265	320	721	438	82	588	4	0	82	109
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14													
15	100	190	424	70	50	539	221	74	172	21	3	84	65
16	71	34	10	6	24	9	5	3	95	154	2	6	68
17	133	5	89	6	7	16	13	6	46	60	1	105	169
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19	4	2	17	1	0	2	8	5	23	30	3	0	58
20	2	2	14	2	2	3	5	33	18	31	3	0	39
21													
22	102	85	56	59	72	71	12	21	98	60	10	51	35
23	17	23	79	8	5	198	12	24	57	9	0	9	28
24	35	1	4	0	0	1	3	2	34	1	0	2	8
25	16	5	3	1	0	14	0	2	79	11	0	0	43
26	0	0	1	1	0	1	0	0	1	0	0	0	0
27	5	6	2	5	13	71	6	1	38	8	1	3	2
28	0	2	2	0	3	1	7	0	7	0	0	2	2
29	0	0	0	0	1	0	0	0	1	2	3	0	1
30	2	0	0	0	0	0	0	0	0	0	0	0	3
31													
32	0	0	1	2	3	3	0	1	0	2	0	3	0
33	3	0	1	0	1	1	1	0	0	6	3	7	4
34	2	6	54	10	14	35	0	14	5	0	0	161	11
35	8	4	0	0	1	1	12	100	18	7	38	1	13
36	1	0	0	0	0	1	0	2	0	0	0	0	0
37	0	0	3	5	0	3	0	1	0	0	0	3	0
38	0	0	0	0	2	0	1	0	0	2	0	0	0
39	0	0	0	0	0	0	0	0	0	1	0	0	11
40													
41	26	9	83	3	4	1	67	2	10	1	0	3	24
42	3	0	21	1	10	3	0	0	5	0	0	2	5
43	2	2	5	0	4	0	0	1	0	0	0	0	1
44													
45	8	16	105	9	74	15	5	16	19	8	0	8	39
46	100	0	0	0	2	0	26	0	318	2	0	31	184
47	0	0	0	0	0	0	0	0	0	0	0	0	0
48	97	0	0	0	0	0	0	0	0	0	0	9	0
49	16	0	0	0	1	0	2	2	133	12	0	108	86
50	35	41	6	7	155	0	27	22	84	412	56	28	113
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53	5	3	0	0	0	0	0	5	6	5	18	0	3
54	1	3	0	0	4	0	2	0	3	3	4	0	7
55													
56	10	18	135	40	97	78	52	6	32	3	0	0	13
57	0	0	0	0	0	0	0	3	1	0	1	0	0
58	0	0	2	0	1	0	1	93	0	59	0	42	0
59	12	2	0	0	3	0	3	1	8	0	0	0	4
60	11	7	2	0	8	0	3	13	15	9	4	22	7

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7	18	0	0	4	0	0	2	12	12	4	3	6	4
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10	9	6	15	61	13	28	3	37	5	6	0	7	8
11	0	0	13	4	0	19	0	0	0	2	0	1	2
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13	0	1	0	7	0	15	1	1	2	2	0	33	0
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15	1	0	0	4	13	0	1	0	4	0	0	1	0
16	1	2	0	0	1	0	1	1	3	4	0	0	0
17	5	0	0	0	0	0	2	0	18	2	2	0	5
18	0	0	0	8	7	0	0	0	0	1	0	0	0
19	0	4	3	33	4	3	0	7	0	0	1	9	1
20	0	0	3	3	0	5	0	4	0	1	1	0	0
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22	7	6	13	74	23	45	17	15	18	13	4	70	6
23	6	6	5	32	10	51	11	25	4	0	0	14	5
24	34	93	40	76	43	95	73	13	41	3	10	17	2
25	0	3	9	3	0	1	4	0	1	0	0	0	0
26	0	0	0	0	0	0	0	5	2	7	1	0	0
27	1	4	5	9	3	14	5	0	9	24	4	3	11
28	3	11	0	9	2	1	0	3	10	26	5	0	0
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30	1	3	0	0	0	0	1	1	1	1	2	1	1
31	0	0	0	0	0	0	2	2	4	3	0	1	1
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35	0	22	0	10	2	1	12	0	0	1	1	0	4
36	1	9	14	5	8	34	9	2	24	3	2	8	9
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38	2	5	24	4	2	14	13	5	10	44	1	5	9
39	0	13	11	2	2	18	14	2	9	18	0	4	13
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41	5	18	15	3	15	14	38	10	37	39	11	0	22
42	0	1	6	20	4	2	1	0	0	8	0	18	5
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45													
46													
47													
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59													
60													

	T2-655	T0-560	T2-507	T2-563	T0-553	T0-502	T0-549	T0-508	T0-503	T0-513	T0-527	T0-509	T0-506
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2													
3													
4													
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7	0	0	0	2	1	0	3	6	2	2	0	2	4
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9	26	0	3	0	7	1	8	26	1	9	1	1	9
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11	0	0	0	0	0	0	4	2	0	0	0	3	0
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24	9	14	0	12	0	0	29	57	0	0	587	31	60
25	0	12	0	0	1	9	3	1	2	1	21	5	0
26	0	0	0	0	2	19	2	0	0	0	4	3	0
27	76	0	23	7	83	3	53	38	2	45	5	7	45
28	128	1	49	10	98	7	89	95	10	64	14	11	51
29	12	0	0	21	92	0	15	0	2	0	1	12	5
30	0	0	5	5	0	0	0	0	0	3	0	0	0
31	0	0	0	6	0	2	6	2	0	0	1	1	4
32	8	1	12	1	20	26	23	42	12	14	4	0	30
33	19	0	3	34	0	7	3	1	0	0	5	0	0
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35	4	0	0	1	0	10	1	83	0	0	16	2	0
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37	0	4	0	2	0	1	10	4	0	0	0	8	9
38	4	0	14	0	5	3	17	2	0	6	11	0	1
39	0	0	0	0	0	9	2	0	0	0	0	1	0
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47	0	1	2	7	2	5	0	3	0	0	3	2	1
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50	0	0	7	0	1	42	13	7	0	0	21	12	2
51	0	0	1	0	0	40	8	2	0	0	4	9	0
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53	10	0	13	26	1	1	21	0	0	1	15	0	0

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2	1	0	3	1	6	0	0	0	0	4	0	0	0
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9	0	0	0	4	1	0	1	0	0	26	0	5	0
10	0	0	1	0	7	0	0	0	0	0	0	0	0
11	0	0	8	1	0	0	0	0	0	0	0	0	0
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13	0	0	2	87	0	2	1	0	0	0	0	1	0
14	10	0	2	128	0	0	1	0	0	0	0	0	0
15	0	0	2	6	0	1	1	0	0	0	0	1	0
16	5	0	0	6	0	1	1	0	0	0	0	1	0
17	0	0	21	2	0	0	0	0	0	3	0	0	0
18	0	0	2	1	0	2	1	18	0	15	0	2	0
19	0	0	0	0	4	0	2	0	0	3	0	21	0
20	0	0	126	2	0	0	2	0	0	10	0	5	0
21	0	0	3	2	1	0	0	5	0	1	0	0	1
22	0	0	0	0	0	1	0	5	0	1	1	5	0
23	0	0	0	5	2	0	1	1	8	0	3	0	0
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25	4	0	16	46	0	14	9	4	0	0	0	7	0
26	10	0	49	10	8	23	4	2	2	1	12	16	0
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35	0	0	0	2	1	0	0	0	0	2	0	3	0
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37	0	0	5	2	0	6	2	0	0	0	0	8	0
38	0	0	36	4	1	0	5	0	4	9	0	0	3
39	0	0	1	9	6	4	5	7	6	3	1	33	18
40	30	0	0	1	1	1	3	1	3	0	4	19	7
41	2	0	0	1	1	1	3	1	3	0	4	19	7
42	3	0	4	7	1	1	1	6	2	12	1	0	1
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45	7	0	0	13	3	0	1	4	0	0	0	0	0
46	0	1	0	0	11	0	0	0	1	4	1	3	0
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52	9	0	0	0	7	6	5	11	13	0	0	0	20
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54	0	1	0	0	0	1	0	1	4	0	5	0	0
55	7	0	0	3	1	1	2	0	1	0	0	2	0
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59	6	0	0	0	2	0	0	0	0	0	1	4	1
60	0	0	0	1	0	0	0	0	1	0	0	0	0

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6	0	0	0	0	43	0	0	0	0	0	0	0	0
7	5	0	6	0	0	0	0	0	0	0	0	0	0
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18	16	3	0	32	0	7	2	0	0	0	1	0	0
19	3	1	2	4	4	1	3	5	1	4	8	3	9
20	0	0	0	1	0	0	0	0	0	0	1	0	0
21	0	0	0	2	0	1	0	12	56	0	22	37	0
22	203	251	165	221	26	157	113	124	213	71	80	91	215
23	0	6	1	2	0	1	3	0	4	1	1	1	2
24	0	0	0	0	0	0	0	0	0	0	0	0	0
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26	3	3	0	1	0	12	4	0	69	0	10	1	0
27	0	21	0	0	0	49	6	0	0	0	2	0	0
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29	55	3	0	7	0	4	25	0	0	1	1	24	0
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31	1	0	4	5	0	1	2	0	2	0	16	0	0
32	0	55	6	0	0	0	0	0	13	0	0	0	0
33	0	0	1	4	0	0	7	0	0	0	2	0	0
34	0	0	1	4	0	0	7	0	0	0	2	0	0
35	52	0	0	9	0	0	7	0	0	0	0	0	0
36	0	0	0	1	0	0	5	0	5	0	0	4	0
37	109	26	2	66	0	152	98	5	379	15	118	32	32
38	0	0	0	0	0	5	0	0	2	0	0	1	0
39	0	11	0	0	0	0	0	0	0	0	4	0	1
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41	12	0	0	17	1	13	25	2	7	0	5	10	1
42	15	0	0	20	0	12	7	4	33	8	20	5	22
43	31	0	0	0	8	17	11	5	0	0	10	91	0
44	0	0	2	1	6	10	6	2	15	2	14	4	10
45	5	0	0	1	0	2	3	1	2	0	0	1	0
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49	0	0	0	0	0	0	0	12	0	0	0	0	0
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55	10	0	8	43	5	86	19	9	13	18	29	5	2
56	0	0	0	1	0	5	0	0	0	0	0	0	0
57	58	0	0	5	0	63	0	5	60	0	8	25	7
58	59	0	18	79	1	28	38	19	84	7	12	25	9
59	0	0	0	1	0	0	0	0	1	0	0	0	0
60	3	0	0	0	0	0	2	0	6	0	0	0	0

1													
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9	66	1	23	34	1	45	30	52	17	9	21	45	2
10	134	3	76	106	12	109	138	158	43	30	126	121	28
11	1	0	1	8	0	7	18	16	0	16	5	1	3
12	0	0	0	1	0	0	0	8	0	0	0	0	0
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15	0	0	0	0	0	3	2	3	5	1	3	0	0
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17	3	0	0	3	0	16	8	14	1	6	1	0	2
18	301	0	18	72	132	291	191	283	15	232	20	5	76
19	1	0	0	0	9	14	8	18	3	21	2	3	3
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21	0	0	0	0	8	10	36	11	0	14	2	0	10
22	15	0	0	2	0	0	0	0	0	0	0	0	0
23	6	0	520	0	0	2	0	2	6	0	0	1	59
24	9	0	6	574	0	30	84	5	60	6	14	2	0
25	30	0	6	521	1	45	63	12	105	16	28	21	3
26	3	0	0	1	0	0	3	0	0	0	0	0	0
27	14	0	0	31	0	2	19	0	6	1	10	1	0
28	2	6	0	3	0	0	14	1	1	0	4	9	0
29	0	1	0	1	0	0	0	0	0	0	1	0	0
30	5	4	0	23	3	9	78	2	109	29	42	77	0
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32	66	0	2	113	1	20	15	4	24	2	28	11	1
33	17	0	0	21	0	0	32	0	1	0	11	11	0
34	61	0	0	394	0	0	26	0	37	1	12	11	0
35	117	0	4	81	0	0	9	4	5	0	3	0	0
36	32	0	0	3	0	0	9	0	60	0	7	7	0
37	0	0	0	0	2	1	1	2	4	15	2	0	0
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41	0	0	0	2	1	0	4	4	1	1	2	0	3
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43	0	0	12	1	6	0	0	0	0	20	0	0	5
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46	0	0	3223	130	479	2	13	2	26	1044	24	44	204
47	0	0	66	5	20	0	0	2	1	75	2	0	6
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49	0	0	3	0	0	0	1	4	0	0	0	1	0
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53	0	0	0	0	0	4	7	7	3	0	1	2	1

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42	510	2	4233	3015	1766	587	1202	917	415	967	761	153	1809
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7													
8	122	0	387	255	358	50	386	302	55	1172	126	18	256
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11	72	0	1044	305	887	90	1476	732	69	2044	198	22	293
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22	1	0	18	14	6	3	4	11	0	4	2	2	6
23	0	0	2	7	9	2	17	31	21	5	14	1	23
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40	76	0	224	52	580	16	111	836	452	16	69	12	46
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50	31	19	31	2	20	67	49	169	2	15	8	0	27
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54	0	0	0	2	0	0	2	5	7	0	1	0	0

1													
2	80	0	162	64	1178	20	151	846	106	535	40	1	115
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7	0	0	2	3	0	0	3	1	2	1	0	0	0
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13	62	3	30	61	21	193	108	2	330	58	51	106	50
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28	37	41	324	288	290	5	128	387	947	118	150	57	284
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34	1	0	0	0	24	1	17	136	124	38	8	90	2
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37	1	1	0	58	1	0	25	3	89	1	67	14	0
38	0	0	0	1	0	0	0	0	7	0	0	0	0
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41	112	119	1	8	1	0	39	179	0	1	20	7	186
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47	0	2	0	0	0	11	2	0	0	0	0	0	8
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2	5	111	14	2	84	1275	252	21	477	17	75	129	454
3	0	0	1	1	1	1	0	0	4	3	0	0	3
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8	3	253	11	4	3	11	9	0	0	0	5	0	20
9													
10	17	286	122	7	2	15	39	13	2	3	12	0	19
11	13	155	74	1	0	1	13	8	2	2	2	1	12
12	0	45	0	2	0	0	1	0	0	0	1	0	0
13	0	34	0	0	0	0	0	0	0	0	1	0	0
14													
15	247	1254	561	30	13	113	117	41	7	15	15	17	152
16	7	51	19	1	0	6	7	3	0	1	1	0	6
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24	0												
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26	75	285	147	267	1	58	9	0	891	371	20	150	0
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28	2	0	2	3	0	2	0	0	34	2	2	1	0
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32	0	0	0	0	1	0	1	0	0	9	11	0	2
33													
34	12	19	0	3	12	3	11	0	32	19	266	0	15
35	0	0	0	0	0	31	12	1	32	0	2	3	0
36	0	1	1	4	0	17	1	0	47	0	2	9	2
37	0	28	13	24	0	365	74	2	340	0	49	134	38
38	8	1	0	0	0	0	5	0	0	0	0	0	0
39													
40	8	20	3	4	41	5	219	430	67	337	210	1	132
41	0	17	6	18	2	18	42	0	215	0	11	52	6
42	0	0	0	0	1	0	12	2	0	8	5	0	1
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45	2	0	0	0	0	0	7	9	0	0	1	1	8
46	0	0	0	1	1	1	0	2	0	1	1	0	1
47													
48	20	6	16	95	2	20	173	0	400	9	37	83	4
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52	0	0	64	78	7	0	17	275	5	14	32	10	180
53													
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57	29	0	0	42	0	1	22	8	0	1	34	32	0
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1													
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9	0	0	75	0	0	64	14	37	0	60	1	0	4
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12	24	0	0	0	0	0	1	1	0	0	1	0	0
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21	0	3	5	116	0	7	33	19	41	14	19	6	25
22	7	2	33	4	0	1	32	0	1	294	9	39	0
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27	0	0	0	5	4	0	0	1	0	0	2	1	2
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30	47	0	0	0	0	0	0	0	0	0	0	0	0
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32	417	0	0	0	0	0	0	0	0	0	0	0	0
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34	7	0	0	5	0	5	1	3	4	4	1	0	10
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37	0	0	0	34	0	80	21	8	360	1	3	3	0
38	0	0	0	0	0	0	0	0	0	0	2	0	0
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41	1840	7	16	352	1	7	25	559	0	4	20	7	836
42	0	0	0	13	5	102	8	0	0	11	5	852	1
43	0	0	0	1	0	0	2	0	0	0	1	11	1
44	1	6	0	17	10	6	19	0	15	0	23	69	0
45	0	0	0	1	2	1	0	0	0	0	1	14	0
46	5	0	0	0	24	0	27	0	0	0	5	222	0
47	0	0	0	0	0	0	0	0	0	0	0	0	0
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49	2	4	0	1	0	3	5	0	7	0	2	0	0
50	22	49	3	81	1	25	48	1	86	2	16	10	4
51	4	61	19	21	0	21	14	0	38	37	12	0	0
52	27	4	1	6	0	2	3	0	5	0	2	0	0
53	0	2	0	2	0	0	0	0	8	0	2	2	1

1													
2	3	2	0	4	0	0	1	3	1	0	173	0	3
3	2	0	0	1	0	1	0	0	0	0	142	0	1
4	0	3	0	5	0	0	0	2	0	0	97	1	3
5	65	15	0	31	0	73	8	2	22	3	278	0	11
6	7	2	0	11	0	0	2	7	0	0	186	0	3
7	9	15	0	39	0	11	15	1	56	0	9	4	3
8	0	19	0	7	0	2	1	0	3	0	1	0	0
9													
10	16	7	275	27	1	8	10	0	1	501	8	2	1
11	0	0	0	0	0	0	0	4	8	0	0	0	23
12	2	87	0	0	0	0	0	1	28	0	12	0	2
13	17	270	0	0	0	0	0	3	42	1	26	0	58
14	0	0	0	0	0	1	2	0	8	0	8	0	2
15	0	0	0	0	0	0	0	0	0	0	0	1	0
16													
17	32	13	22	8	43	0	149	12	43	2	317	42	0
18	0	0	0	0	4	0	1	0	0	0	0	0	0
19	4	0	0	1	0	0	0	0	1	0	3	0	0
20	0	0	0	0	0	0	2	0	2	0	16	0	15
21	0	0	0	0	0	0	0	0	0	0	170	0	6
22													
23	50	0	5	55	37	35	25	32	7	45	12	104	11
24	227	1	5	18	4	0	64	0	42	24	54	55	17
25	14	0	0	0	0	0	2	0	0	0	2	2	0
26	0	0	0	0	0	0	2	0	8	0	1	0	0
27	11	0	0	0	5	5	2	0	1	11	2	8	2
28	0	0	1	0	2	0	7	7	1	2	0	0	2
29													
30	231	85	64	37	456	133	68	314	30	145	52	29	68
31	3	2	0	4	3	1	1	5	0	4	4	2	3
32	0	0	3	0	23	1	1	5	1	0	0	0	1
33	5	1	9	40	306	2	12	9	23	10	3	15	39
34	86	0	82	307	52	32	56	13	179	66	48	12	33
35	4	0	2	10	2	3	0	0	6	6	0	0	2
36	7	0	0	3	0	1	4	1	0	0	0	17	17
37													
38	115	49	0	5	5	306	2	11	1	7	2	0	4
39	4	0	0	4	0	5	12	0	4	0	3	7	2
40	6	60	0	2	0	6	0	1	26	2	6	0	9
41	10	0	0	0	2	0	0	0	46	0	1	1	0
42	59	212	32	8	64	92	72	1	81	12	43	196	47
43	2	0	0	1	0	1	0	0	0	0	0	0	5
44	0	60	8	0	0	0	0	0	0	4	0	0	16
45													
46	112	60	1	120	0	53	32	3	39	4	26	13	24
47	22	4	0	0	0	0	0	0	0	0	0	0	0
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49	0	0	1	0	16	5	1	5	0	11	1	7	0
50	33	0	3	11	10	112	8	26	9	14	2	1	27
51	2	3	3	5	3	7	19	2	42	7	4	7	4
52													
53	114	23	0	108	2	24	25	62	34	13	17	34	25
54	4	0	0	4	2	3	3	1	0	22	1	1	1
55	26	2	17	83	6	17	11	70	0	12	6	10	211
56	2	0	1	64	7	45	3	0	2	2	4	7	0
57	23	0	0	19	12	13	2	12	4	4	11	30	13
58	8	1	0	36	4	15	9	8	0	2	21	60	16
59	48	3	0	8	26	0	17	0	55	2	4	0	0
60	1	0	1	4	2	0	2	0	0	0	0	1	0

1													
2	0	0	0	5	0	0	1	3	4	0	1	0	0
3	0	0	1	1	0	11	1	0	0	0	1	0	0
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6	30	0	0	227	0	0	7	2	2	0	4	1	1
7	86	0	6	328	3	245	11	3	118	5	43	150	27
8	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0
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12	0	0	0	15	9	0	4	11	5	5	5	3	6
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16	0	2	0	8	0	0	3	0	5	7	0	0	0
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19	0	1	0	0	0	0	5	0	0	0	0	0	0
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21	2	210	2	7	117	337	24	4	6	38	27	0	49
22	0	9	0	0	3	5	4	2	1	1	1	0	12
23	0	3	0	0	4	4	2	2	2	6	1	0	9
24	0	0	0	0	0	2	2	1	0	0	0	0	8
25	1	0	0	0	0	4	4	2	0	0	1	0	8
26	199	642	27	33	1047	779	1187	298	259	254	298	1	3660
27	0	4	0	1	4	1	6	1	1	2	2	0	13
28	7	14	1	0	15	16	13	7	5	5	4	0	71
29	10	0	544	58	0	42	15	0	2	0	5	0	2
30	7	17	0	4	0	0	1	1	0	0	6	32	1
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34	12	94	8	10	2	9	1	8	22	1	12	0	15
35	0	0	1	0	79	0	11	0	1	0	2	0	0
36	0	0	4	7	0	1	2	0	19	2	2	5	10
37	3	0	44	2	0	48	18	4	2	34	6	7	7
38	15	0	7	7	6	0	2	4	5	0	8	4	12
39	2	0	0	4	0	0	0	2	0	0	0	0	0
40	40	0	12	27	9	12	9	1	0	5	2	7	0
41	16	0	0	0	2	1	5	0	4	7	4	15	3
42	1	0	3	1	0	0	1	0	0	2	0	0	0
43	28	19	0	2	0	2	9	0	146	0	362	3	17
44	1	0	0	1	0	0	0	0	0	0	0	0	0
45	0	0	5	9	0	0	0	0	0	0	2	0	0
46	0	0	0	0	0	0	0	0	0	0	1	0	0
47	0	0	0	2	0	4	2	0	0	0	4	1	10
48	4	0	0	0	0	0	48	0	5	0	5	0	0
49	0	0	0	0	0	14	3	0	0	0	6	0	81
50	16	0	10	4	1	0	11	2	1	5	2	1	3
51	13	0	22	196	21	27	43	4	0	0	64	34	44
52	23	0	7	32	3	20	8	2	1	0	5	35	3
53	0	0	0	0	0	0	0	0	0	0	0	18	0
54	0	0	0	0	0	0	8	0	0	0	1	172	0
55	17	0	0	12	2	0	2	0	1	0	7	0	0

1													
2	28	0	0	2	3	0	5	0	0	0	2	0	2
3	0	0	0	0	0	0	0	0	0	11	0	13	0
4	0	0	0	129	0	0	16	0	3	0	4	671	0
5	8	0	0	8	0	2	10	0	6	1	8	0	5
6	0	0	0	7	79	0	19	0	0	0	0	0	0
7	1	0	0	0	0	0	28	0	1	0	56	0	0
8	9	0	10	164	20	6	217	0	12	36	53	180	141
9	0	0	0	0	0	0	0	0	0	0	0	0	0
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11	75	0	6	12	5	0	4	0	0	0	4	0	0
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13	0	0	0	3	1	0	2	3	0	0	0	3	0
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15	37	653	33	8	7	22	11	0	3	83	19	3	20
16	230	216	220	248	24	116	227	25	123	77	45	60	159
17	1	7	0	0	0	2	0	0	4	1	3	1	5
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19	0	4	5	3	1	9	17	0	4	7	3	0	9
20	160	458	319	71	50	268	476	28	333	43	93	29	350
21	2	25	8	2	1	3	7	0	4	3	0	0	6
22	0	2	0	0	1	2	2	0	2	0	1	0	1
23	0	2	0	0	1	2	2	0	2	0	1	0	1
24	89	0	0	1	0	1	2	0	14	8	0	0	1
25	76	54	81	73	0	21	31	3	27	9	12	11	18
26	0	3258	0	0	3	5	3	0	2	0	0	0	2
27	0	83	0	1	0	0	0	0	0	0	1	0	0
28	0	270	3	21	0	1	9	4	0	1	25	0	8
29	5	89	3	5	1	0	5	0	103	0	6	1	0
30	0	96	0	0	0	0	3	0	3	0	1	0	0
31	0	96	0	0	0	0	3	0	3	0	1	0	0
32	2	0	0	10	1	1	0	0	0	0	0	0	0
33	0	11	0	4	0	66	1	0	0	0	1	2	0
34	2	0	1	5	0	1	0	2	1	0	0	0	1
35	4	0	0	9	6	0	4	0	0	3	0	1	0
36	0	0	5	3	0	0	0	0	0	2	0	0	0
37	0	0	0	2	0	0	1	0	0	0	0	0	0
38	0	0	0	2	0	0	1	0	0	0	0	0	0
39	2	0	2	0	0	1	0	0	0	0	0	1	0
40	0	0	2	2	3	7	6	0	0	3	0	0	0
41	0	0	0	0	0	0	0	1	0	0	0	1	0
42	17	1	0	3	19	5	19	5	0	7	7	7	0
43	0	0	0	10	0	0	0	0	0	0	0	0	0
44	1	0	0	0	0	2	1	0	0	3	0	11	0
45	25	0	0	0	0	0	0	0	0	0	0	5	0
46	0	2	0	0	0	9	4	0	0	0	17	0	0
47	0	2	0	0	0	9	4	0	0	0	17	0	0
48	7	26	2	2	2	4	3	2	1	0	12	32	0
49	5	61	0	0	2	3	1	0	0	0	12	17	0
50	33	11	0	5	36	2	8	2	7	2	13	0	4
51	44	7	1	2	4	7	5	2	4	10	9	42	0
52	8	0	0	0	0	0	0	0	0	0	0	0	13
53	27	0	0	1	3	2	5	5	6	14	9	2	16
54	7	1	0	3	0	0	4	0	0	0	0	0	0
55	12	0	1	5	4	3	0	1	0	3	0	8	2
56	35	1	0	2	2	11	8	0	1	3	4	47	7
57	0	0	0	0	0	0	1	0	0	0	0	0	0
58	0	0	0	0	0	0	1	0	0	0	0	0	0
59	3	0	0	0	0	0	0	0	0	0	0	2	0
60	15	1	0	0	11	0	0	0	1	3	1	9	4

1													
2	40	0	0	1	2	0	2	1	3	0	0	0	3
3	8	4	0	3	0	3	5	2	0	0	3	49	1
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5	8	0	0	0	4	0	1	4	1	1	1	9	16
6	0	0	0	3	0	1	0	0	0	0	0	2	1
7													
8	85	0	0	16	9	16	4	0	1	9	8	129	72
9	9	0	1	0	4	0	2	0	10	1	2	1	1
10	70	0	0	3	2	9	3	0	0	0	9	85	4
11	56	0	0	2	0	2	2	0	0	0	1	49	2
12	15	0	0	1	0	1	0	0	0	0	0	0	0
13													
14	159	0	0	21	0	7	2	0	1	0	1	14	0
15	0	1	0	0	0	15	1	0	0	0	0	156	0
16	16	56	0	21	0	247	46	0	1	0	7	3438	0
17	179	0	0	0	0	1	0	0	1	13	39	12	0
18	20	18	3	4	1	5	1	0	1	0	7	15	0
19	38	0	0	8	0	14	4	2	0	1	2	1	0
20	1	0	1	1	0	0	0	0	0	0	0	1	0
21	0	0	0	0	0	0	0	0	2	0	0	0	0
22													
23	54	0	2	6	99	3	11	29	0	37	23	50	42
24	394	1	0	0	3	12	12	1	0	0	1	195	37
25	9	2	2	4	1	0	1	1	1	1	3	0	0
26	0	0	0	1	2	0	4	0	0	0	2	0	11
27	7	1	0	0	0	0	16	0	1	0	109	0	4
28	4	3	0	9	0	0	0	3	25	0	3	6	12
29	0	0	0	0	0	0	0	0	0	0	16	25	0
30													
31	11	241	0	3	1	8	6	0	59	1	7	5	21
32	6	173	0	0	0	1	1	0	1	0	5	6	0
33	25	65	2	0	4	9	14	2	11	1	16	73	93
34	2	3	0	1	0	1	4	0	3	2	1	2	2
35	22	0	0	5	6	0	1	0	2	0	0	4	2
36	4	169	0	3	0	0	4	0	0	0	0	0	10
37	0	0	0	1	0	1	1	0	0	0	2	0	0
38													
39	0	31	0	1	0	1	15	0	0	0	2	1	3
40	2	0	0	0	0	0	0	0	2	0	0	0	0
41	0	0	0	2	0	0	1	0	0	0	5	11	1
42	2	0	1	4	0	4	1	0	7	1	7	1	3
43	0	0	0	0	0	0	1	0	4	0	5	0	0
44	0	0											
45	0	0	15	4	0	0	4	0	0	0	0	0	0
46	3	0	0	0	0	0	6	0	1	1	5	26	6
47	1	29	6	0	0	0	0	0	0	0	0	0	0
48	5	8	2	3	0	1	0	0	1	0	0	0	0
49	0	0	0	0	0	1	0	0	1	0	1	0	0
50	0	0	0	1	0	0	0	0	1	0	0	0	0
51	1	0	5	0	0	0	5	0	0	0	0	3	0
52	0	0	0	1	0	1	0	0	0	0	0	0	0
53													
54	11	0	4	0	0	0	2	0	0	2	0	0	0
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56	2	0	2	0	1	0	0	7	0	0	0	0	0
57	32	1	98	79	59	5	9	133	3	12	10	10	35
58	6	2	144	12	2	2	5	6	1	5	5	1	1
59	0	0	13	1	0	0	0	0	0	2	0	1	0
60	0	1	25	0	1	0	2	1	1	0	0	0	0

1													
2	5	0	0	0	11	3	0	5	0	0	0	0	0
3	276	0	36	34	253	32	8	54	0	7	4	7	15
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7	12	0	1	0	0	0	1	4	0	29	0	0	11
8	4	0	10	1	0	0	1	0	0	3	0	0	0
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10	0	0	51	477	0	0	81	0	3	1	9	0	5
11	64	0	0	11	0	0	8	0	1	0	1	0	0
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13	34	0	124	49	15	0	30	86	80	0	15	0	65
14	2	0	2	6	4	0	3	1	4	0	0	0	0
15	0	0	14	4	1	0	0	7	0	0	1	0	0
16	21	0	32	270	29	21	41	37	176	10	43	9	0
17	19	1	52	157	88	17	66	110	387	31	79	7	2
18	6	0	0	1	0	1	0	1	0	2	0	2	1
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22	0	0	5	10	9	1	1	0	0	0	2	0	0
23	0	0	0	0	3	0	5	0	0	0	1	0	0
24	0	0	0	7	12	0	4	0	0	0	0	11	0
25	0	0	22	11	67	2	11	0	15	0	3	6	0
26	0	0	2	5	0	0	1	0	2	0	2	0	0
27	0	0	4	5	4	1	0	3	1	1	0	3	0
28	0	0	10	9	0	0	0	0	0	0	0	0	0
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32	4	0	0	1	5	0	0	0	0	0	0	1	0
33	53	285	14	21	32	62	19	47	72	27	96	24	44
34	5	6	1	2	6	8	2	7	3	2	6	4	2
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36	22	0	5	13	33	7	12	0	43	1	2	18	5
37	0	0	0	5	1	0	1	0	6	0	0	0	1
38	41	0	4	1	1	6	4	3	0	3	1	15	0
39	0	3	2	0	0	0	1	1	0	0	0	1	1
40	16	0	0	7	0	0	3	0	0	1	2	1	2
41	4	1	1	1	3	2	0	0	0	2	0	17	0
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43	5	0	0	0	0	0	0	0	12	0	0	1	0
44	6	3	3	1	0	2	5	1	3	6	1	2	1
45	10	2	14	28	0	33	7	1	8	0	5	4	1
46	0	0	0	2	0	9	0	0	2	0	0	1	0
47	0	0	0	0	0	14	1	1	16	2	1	1	0
48	0	0	8	0	1	0	0	0	0	3	1	0	0
49	31	2	0	16	0	11	1	1	0	1	0	0	5
50	2	0	0	15	0	0	0	0	0	0	0	0	0
51	1	0	0	3	2	0	0	0	0	0	0	2	3
52	0	0	1	3	4	2	0	0	0	0	0	2	0
53	0	8	0	1	0	8	6	0	2	0	0	0	0

1													
2	0	0	5	5	4	2	6	38	0	2	0	0	0
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33	106	17	39	44	31	80	67	114	133	10	176	152	150
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36	166	14	42	18	5	11	34	14	7	21	21	25	5
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28	171	3	60	106	2	3	35	10	1	47	49	3	11
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34	975	34	2	21	63	14	28	14	36	7	50	17	673
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45													
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4	T0-616	T0-617	T0-562	T0-558	T0-564	T0-607	T0-600	T0-612	T0-561	T0-605	T0-610	T0-565	T0-623
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33	22	68	177	73	150	91	41	34	384	42	9	57	238
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37	8	5	28	6	35	34	9	9	42	5	13	27	13
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38	5	1	0	0	0	0	1	3	0	1	4	0	0
39	6	1	1	0	2	0	3	8	0	2	14	1	0
40	49	27	2	0	21	18	19	53	29	43	48	21	22
41	11	0	0	0	0	0	4	0	0	0	2	0	0
42	10	18	1	5	3	9	13	4	12	34	74	2	3
43	9	2	0	0	0	0	0	3	0	0	4	0	0
44	51	3	0	0	0	0	2	1	0	0	6	4	0
45	20	2	0	0	0	0	1	1	0	0	4	6	0
46	530	85	1	0	1	2	11	20	0	7	112	48	11
47	48	8	0	0	0	0	3	1	0	0	11	6	0
48	14	6	5	10	0	1	31	13	0	4	36	13	5
49	0	0	0	0	0	0	0	0	0	0	1	3	0
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53	1	2	2	5	0	3	2	3	0	1	1	13	5

1													
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4	131	165	72	171	13	63	236	189	29	118	278	408	83
5	1	1	0	0	0	1	7	2	0	0	6	4	0
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7	0	2	0	0	0	0	10	2	0	0	5	1	0
8													
9	18	8	0	19	3	8	25	24	12	4	19	36	7
10	7	8	0	5	1	0	10	18	7	5	7	10	3
11	13	1	0	0	1	0	12	4	0	0	11	6	0
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14	0	1	1	6	0	3	13	6	0	0	3	7	1
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16	2	2	16	3	2	8	0	19	0	0	1	3	0
17													
18	86	11	0	0	0	2	8	9	0	1	24	5	0
19	4	0	0	0	0	1	1	8	1	0	4	0	1
20	23	2	0	0	0	0	5	3	0	0	3	0	0
21	6	6	0	0	0	0	1	7	0	0	3	0	0
22	5	0	0	0	0	1	0	2	0	0	2	0	0
23													
24	16	3	0	0	0	7	22	26	1	3	10	1	1
25	57	3	3	1	0	3	63	4	0	0	2	22	0
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29	0	0	2	2	0	0	1	3	0	3	6	0	0
30													
31	51	9	0	0	0	1	3	10	0	3	17	1	3
32	43	4	0	0	0	3	0	9	1	2	9	1	0
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35	41	10	2	4	0	1	8	14	5	3	20	4	0
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38													
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43	10	4	0	1	0	2	6	11	0	1	11	2	0
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46	43	17	0	0	1	2	3	30	3	6	20	2	0
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48	1261	1124	1159	585	133	375	1421	2900	350	763	2809	990	360
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52	13	4	0	0	0	0	2	3	0	0	5	2	0
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54	15	6	0	0	0	0	0	3	0	0	13	1	0
55	6	0	0	0	0	1	0	3	0	0	1	0	0
56													
57	33	6	2	0	0	1	4	15	0	0	15	1	1
58	0	1	0	0	0	0	0	0	0	0	0	0	1
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60	2	1	0	0	1	1	0	11	0	6	5	0	0

1													
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6	2	0	0	0	0	0	0	0	0	0	0	0	0
7													
8	511	268	32	32	6	35	216	256	18	37	374	127	22
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10	225	40	0	0	0	3	20	25	0	5	67	11	1
11	1439	424	22	22	5	89	226	363	15	86	837	126	41
12	7	2	0	0	0	0	0	0	0	0	4	3	0
13	8	2	0	0	0	0	1	0	0	1	2	0	0
14	21	3	0	0	0	0	0	3	0	0	4	1	0
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16	0	3	0	0	0	0	3	4	0	1	2	0	2
17	0	1	3	4	0	1	0	3	3	2	1	2	0
18													
19	30	16	22	5	4	12	21	55	5	6	45	13	5
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21	6	3	0	0	0	0	1	5	1	0	4	1	0
22													
23	17	14	10	6	0	4	6	17	4	10	37	8	1
24	7	4	3	2	0	1	2	7	0	1	9	3	7
25	104	17	0	1	4	1	37	11	5	5	73	1	0
26	32	15	5	12	0	2	42	17	1	6	45	32	7
27	21	6	0	0	0	0	12	26	0	1	30	4	0
28	10	4	0	0	0	0	3	15	0	2	3	1	0
29	25	5	6	1	0	4	24	25	2	1	26	5	4
30	33	1	0	2	1	1	4	0	0	0	3	1	0
31													
32	0	3	8	4	6	2	1	15	2	1	2	30	2
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35	9	5	0	2	0	7	2	2	1	1	0	2	1
36													
37	42	68	8	60	0	194	24	41	58	41	12	34	31
38	15	5	0	7	1	6	3	6	2	2	2	1	1
39	43	15	0	0	1	0	10	16	1	2	14	3	0
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41	0	3	0	0	8	1	1	3	0	0	0	1	0
42	0	0	0	0	0	0	0	8	0	0	28	0	0
43	1	2	0	0	0	0	1	3	0	0	9	1	0
44													
45	392	536	0	2	63	227	74	166	48	197	111	80	70
46	15	11	0	0	4	0	1	1	2	2	4	2	0
47	17	3	0	0	2	0	3	1	1	0	2	0	0
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49	55	10	0	7	0	6	9	9	2	6	109	0	16
50	45	11	0	0	0	0	20	33	1	1	32	0	0
51	17	2	0	0	0	0	4	1	0	1	6	0	0
52													
53	240	99	0	1	2	39	120	147	0	55	159	23	13
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56	9	25	19	72	62	6	69	8	6	37	2	309	37
57	6	4	0	0	0	0	25	3	0	1	1	3	0
58	39	7	0	0	1	1	39	1	0	1	0	2	0
59	7	2	0	0	0	0	18	0	0	0	2	5	0
60	7	2	0	0	3	2	15	0	1	0	0	7	0

1													
2	588	172	0	14	83	39	773	48	5	56	16	259	50
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6	1	21	13	7	14	15	10	20	23	11	6	15	11
7	2	2	3	0	2	0	0	6	4	1	0	9	0
8													
9	6	72	13	55	67	14	3	41	21	50	4	93	68
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15	0	1	1	3	0	0	10	2	3	3	0	1	9
16	0	2	0	1	50	7	0	0	20	1	0	4	0
17													
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21	0	5	0	0	14	0	3	2	5	3	5	0	0
22	11	1	0	1	0	0	1	2	2	1	10	0	0
23	17	0	0	0	0	0	5	1	0	0	8	0	0
24													
25	19	4	0	0	1	0	17	0	0	0	1	2	0
26	149	33	0	0	1	1	48	15	4	4	89	3	1
27	19	8	0	0	1	0	3	1	1	4	8	0	0
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29	10	2	0	1	0	1	13	0	0	0	7	2	0
30	1	1	0	0	0	0	0	0	0	2	2	1	0
31													
32	840	405	0	15	165	75	486	109	195	161	505	38	18
33	34	9	3	0	0	18	10	0	0	17	11	5	4
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35	94	23	0	0	4	31	26	2	1	24	10	6	7
36	10	0	8	2	3	10	8	15	2	7	1	3	0
37	6	1	0	0	0	0	1	0	0	2	1	0	0
38													
39	11	29	7	15	4	14	42	3	0	15	6	7	31
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41	2	6	0	0	0	0	8	37	3	1	18	0	0
42	8	29	1	11	6	2	58	332	118	74	138	6	2
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45	0	1	0	0	0	0	0	4	0	1	5	0	0
46													
47	23	40	2	14	1	22	6	122	9	38	12	3	11
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52	0	3	0	2	28	11	0	5	4	1	1	32	0
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54	0	2	1	3	16	1	0	5	5	0	1	10	0
55	1	14	8	7	14	3	0	50	3	1	21	44	2
56	1	0	0	0	7	2	0	3	2	0	0	1	0
57	1	4	2	2	2	1	0	3	0	0	3	18	0
58	1	0	0	0	4	1	0	3	2	0	0	1	0
59	1	5	3	0	11	1	0	2	1	1	0	1	0
60													

1													
2	42	183	222	143	1885	244	2	320	237	71	110	1342	74
3	2	2	7	0	0	1	0	0	0	0	12	0	1
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5	18	12	109	104	4	136	25	20	35	82	7	12	22
6	2	23	4	87	31	18	0	21	13	2	3	0	49
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9	6	17	90	49	125	62	3	51	3	7	6	5	132
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26	37	62	13	10	19	0	1	28	0	2	12	1	23
27	5	2	0	0	0	0	0	0	0	0	0	0	0
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29	3	3	0	0	0	0	0	0	0	0	1	0	0
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35	2	1	0	1	21	0	1	1	2	0	6	7	12
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40	483	82	26	34	115	306	216	22	12	4	119	73	33
41	1	12	2	12	26	5	16	21	17	5	17	31	148
42	33	0	0	2	2	6	3	4	0	0	5	0	0
43	48	8	0	4	3	6	13	5	1	0	12	8	7
44	18	2	0	0	1	3	6	0	0	0	0	1	0
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48	398	167	1851	143	1012	240	67	220	1075	181	42	210	85
49	0	6	9	2	3	29	0	1	22	1	0	10	0
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51	17	6	0	0	0	7	8	16	0	0	20	2	0
52	16	38	1	0	0	1	1	6	0	1	136	0	23
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55	3	5	0	0	0	4	8	6	0	0	10	2	0
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57	0	17	21	54	16	11	50	21	32	24	0	98	64
58	66	86	0	0	2	437	0	112	3	82	47	1	157
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1													
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16	0	2	2	0	23	2	2	0	4	0	0	24	0
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20	16	34	1	1	1	173	17	22	3	85	2	21	10
21	0	16	12	17	14	31	37	18	11	1	13	46	22
22	5	238	0	30	9	2	250	118	2	453	12	9	177
23	0	2	0	0	0	0	0	6	1	2	1	1	1
24	0	3	0	0	0	1	0	9	3	3	1	1	0
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26	44	816	3	39	38	66	81	428	127	1296	168	115	248
27	0	1	0	0	0	0	0	0	1	2	0	0	4
28	0	6	0	0	1	0	0	1	2	5	0	0	2
29	0	6	2	16	64	23	1	0	11	0	0	85	0
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32	0	0	0	0	0	0	0	0	0	0	0	0	0
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37	0	85	0	20	11	63	15	128	8	6	6	5	145
38	0	0	0	0	0	0	0	0	0	0	0	0	0
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41	1	18	89	4	0	1	0	5	2	1	7	19	1
42	0	47	1	5	2	201	6	21	3	0	17	6	0
43	0	1	1	0	6	0	0	0	67	4	0	0	0
44	2	65	232	23	33	70	25	33	4	31	3	0	28
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26	13	6	89	26	21	0	0	0	5	1	3	2	8
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9													
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36	16	23	46	49	77	79	3	17	50	33	12	55	20
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9													
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13	4	1	0	1	0	3	0	2	0	0	0	3	0
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22	0	1											
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26	0	2	0	1	0	1	0	1	0	5	0	1	4
27	0	4	0	0	0	0	0	0	0	7	2	2	3
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29	0	4	0	0	0	2	3	2	0	2	0	0	0
30	0												
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34	0	16	6	0	0	1	4	1	1	10	10	2	5
35	1	7	0	7	0	5	1	1	0	8	7	0	0
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37													
38	6	17	0	0	0	0	0	2	0	6	23	0	1
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40	0	2	0	0	0	0	0	0	0	0	2	0	4
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42	11	42	6	4	3	34	8	44	0	99	22	7	18
43	0	4	0	0	0	1	0	2	2	0	2	2	0
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47													
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57													
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9													
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15													
16	26	17	6	19	15	51	27	8	16	14	13	159	22
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21	4	4	8	7	3	5	7	2	0	0	18	2	3
22													
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26	10	2	4	2	11	26	0	2	2	3	1	3	17
27	2	34	0	1	0	10	9	28	3	12	29	3	21
28	3	46	6	32	7	35	181	94	3	41	41	14	207
29	0	1	0	1	0	0	7	1	0	0	1	0	3
30													
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32	30	9	3	0	0	1	2	5	0	21	5	10	0
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34	7	51	0	20	55	10	6	18	10	5	9	29	25
35	0	7	0	0	0	0	0	1	0	0	0	0	0
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37													
38	101	111	70	55	44	102	18	76	317	86	70	32	144
39	21	73	2	2	1	0	1	113	0	93	23	4	7
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42	13	2	35	2	7	10	0	6	1	5	7	1	1
43	0	1	1	0	0	0	0	0	0	0	3	1	0
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46	0	1	0	2	2	3	0	2	0	0	0	18	0
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48	21	15	3	57	2	76	0	8	17	72	7	12	9
49	0	6	0	0	0	21	0	0	0	0	0	0	0
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51	10	61	5	3	0	5	9	37	37	85	16	2	8
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55	0	8	0	0	0	0	8	0	0	43	0	0	3
56	6	7	0	0	0	7	9	6	0	23	12	0	1
57													
58	39	1	0	0	0	12	3	0	0	0	18	30	2
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60	0	0	16	3	4	0	1	1	20	0	0	2	0

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21	1	0	0	0	0	2	0	0	0	0	2	1	1
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53	3	0	0	1	0	3	3	8	0	0	0	3	1

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9													
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21	4	0	0	0	0	1	0	2	0	0	1	4	1
22	9	1	0	0	0	2	1	0	0	0	6	0	1
23													
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26	2	1	1	0	3	0	0	0	0	0	1	4	4
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28	14	8	0	8	15	88	0	15	5	0	49	21	0
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35	66	28	0	9	0	16	41	11	1	14	8	23	9
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43	0	3	0	14	0	0	0	0	0	0	1	0	0
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52	17	44	247	58	77	36	105	36	282	27	14	55	43
53	0	0	12	2	1	1	3	1	8	1	1	4	0
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55	54	100	528	87	48	74	214	119	448	60	16	148	113
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57	0	9	10	2	1	1	5	0	11	1	2	4	1

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22	8	3	1	0	0	0	1	1	1	0	4	12	6
23	1	1	0	0	0	0	1	0	0	0	3	0	0
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34	0	0	0	0	1	2	2	0	0	0	0	0	0
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44	4	182	30	118	90	98	66	26	11	526	15	279	183
45	0	3	1	1	1	2	2	2	1	2	0	3	4
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53	1	2	2	0	2	3	1	1	3	12	0	4	1

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37	0	0	0	0	0	1	0	0	0	0	0	0	0
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47													
48													
49													
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	T0-641	T1-502	T0-657	T0-645	T1-503	T0-636	T0-639	T0-643	T1-504	T0-638	T0-655	T1-551	T1-563
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27	4	4	3	0	0	2	3	1	0	114	2	4	0
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29	90	106	63	32	13	178	14	35	19	1	3	30	37
30	141	262	106	62	29	223	31	67	22	3	5	50	78
31	9	0	0	56	0	50	190	18	3	119	11	0	45
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52	7	24	6	1	0	53	1	49	0	0	0	1	0
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19	1	0	0	0	0	0	0	0	2	0	1	6	0
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36	3	1	1	6	7	11	3	4	8	9	1	8	8
37	3	1	14	2	0	0	0	3	2	4	2	0	2
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11	13	2	0	0	0	0	0	4	8	0	1	0	0
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13	133	2	567	19	271	701	24	1461	527	536	841	30	17
14	1	9	2	0	40	0	4	0	0	0	0	111	4
15	0	0	0	0	0	0	3	0	0	0	0	7	0
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17	0	5	7	1	9	5	1	3	16	4	3	0	4
18	0	0	0	0	0	0	0	0	0	0	0	0	0
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20	119	341	147	112	314	134	279	115	258	149	189	303	179
21	1	0	2	2	1	2	6	0	2	1	5	1	1
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24	5	6	1	0	0	0	0	6	0	0	3	0	0
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28	0	8	0	0	63	0	0	0	2	0	12	41	1
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31	0	0	0	0	0	0	43	2	0	0	20	0	2
32	11	7	0	3	0	0	27	1	0	2	10	0	1
33	128	338	49	51	73	29	105	37	3	37	250	18	43
34	0	0	0	0	1	2	0	1	0	0	0	1	0
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36	51	11	31	61	4	3	127	24	0	76	29	7	17
37	11	18	3	12	11	3	11	0	3	0	25	2	6
38	9	10	0	15	0	3	23	4	1	40	90	0	17
39	14	0	8	3	1	8	1	2	1	20	9	6	0
40	0	0	0	0	1	0	4	4	2	3	0	3	5
41	0	0	0	7	2	3	2	8	1	1	2	2	4
42	1	0	0	0	18	0	21	1	0	0	1	0	63
43	2	11	0	0	0	0	0	0	0	3	0	0	1
44	0	0	0	0	0	0	0	0	0	0	0	0	0
45	4	0	10	4	2	29	1	19	1	51	3	0	0
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48	44	10	2	11	1	0	0	31	11	7	18	60	26
49	1	0	0	0	1	0	0	0	1	0	2	3	1
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5	15	1	20	39	29	36	26	32	12	22	18	20	73
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9													
10	49	23	62	10	44	45	38	31	0	141	21	57	65
11	269	243	495	107	175	238	115	149	4	680	46	159	167
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22													
23	10	1	4	4	1	0	0	7	6	0	2	14	0
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27	147	3	11	27	26	79	31	37	7	180	0	12	114
28	99	3	25	44	58	139	40	113	29	173	20	26	235
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32	3	0	1	1	1	0	2	2	0	2	8	0	0
33													
34	75	58	16	2	30	47	279	38	4	50	201	2	19
35	9	0	3	0	2	1	12	6	0	15	5	0	1
36	26	16	7	25	138	21	43	19	11	44	8	34	103
37	36	0	3	13	0	5	8	11	3	33	10	1	61
38	33	6	11	32	46	0	65	21	1	83	81	9	85
39	11	39	4	5	35	1	14	12	5	5	20	106	38
40	16	2	41	7	8	2	6	11	0	11	372	4	32
41													
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45													
46	14	88	21	59	274	22	51	53	72	0	11	90	145
47	5	0	0	0	0	0	0	0	0	0	0	1	0
48	13	10	6	12	46	17	22	12	17	9	1	20	14
49	1	0	0	0	0	0	0	1	0	0	0	0	0
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52													
53	25	36	0	30	22	96	0	63	71	0	15	16	1
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55	10	3	3	11	20	3	4	3	5	1	7	5	1
56	0	0	1	0	3	0	2	1	0	0	0	0	2
57	1	0	0	3	2	1	2	2	0	0	0	2	0
58	0	7	0	4	2	0	2	0	0	0	0	0	0
59	16	1	0	6	20	3	1	15	5	5	0	9	0
60	4	0	0	1	6	0	3	6	1	1	0	0	0

1													
2	0	0	2	9	2	1	0	2	0	0	0	0	0
3	2	1	4	1	5	3	13	2	0	0	0	2	0
4	103	153	46	115	854	134	244	113	232	79	15	108	78
5	0	2	0	0	10	2	3	0	1	1	0	2	0
6	0	2	1	1	18	1	4	2	2	3	0	1	1
7	0	0	0	0	0	1	0	2	0	1	0	0	1
8													
9	17	1	0	7	12	4	0	12	0	9	2	10	5
10	4	0	0	2	4	1	0	3	0	0	0	4	2
11	4	0	3	0	2	0	0	0	8	0	0	6	0
12	3	0	0	3	0	1	0	3	0	0	0	2	0
13	0	0	2	4	7	0	0	5	0	0	0	0	1
14	6	0	0	1	3	0	1	1	0	0	2	0	0
15	1	0	0	1	0	0	0	3	0	0	0	10	0
16	4	0	0	3	2	0	0	0	0	0	0	3	0
17													
18	16	0	0	10	3	3	2	5	6	3	0	13	0
19	2	0	0	0	7	0	0	0	0	0	0	5	0
20	1	0	0	1	0	0	0	1	1	1	0	2	0
21	2	0	0	9	0	0	0	3	4	3	0	3	1
22	0	0	0	4	0	0	0	2	4	0	0	6	0
23													
24	2	0	0	3	2	2	0	2	0	0	0	0	0
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26	2	0	1	1	6	3	0	2	2	0	0	10	3
27	0	0	0	1	2	0	0	0	0	0	0	2	1
28	1	0	0	0	4	0	1	2	0	1	0	5	4
29	0	0	0	0	3	2	0	0	0	0	0	2	0
30													
31	11	5	2	5	15	2	0	8	23	2	0	10	0
32	7	2	0	2	9	0	1	5	13	0	2	8	0
33	0	0	0	0	5	1	0	1	2	0	0	1	0
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36	0	0	0	0	3	0	0	1	5	1	0	1	4
37	0	0	0	0	0	2	1	0	0	1	0	1	0
38													
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41	1	0	0	1	0	2	0	2	0	0	0	1	0
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43	4	0	0	5	5	0	1	0	1	0	0	2	0
44													
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47	2	2	0	0	0	1	0	0	4	0	0	2	2
48	848	109	32	283	1553	251	52	671	1645	118	134	2469	1516
49	1	0	0	2	1	0	0	0	3	0	0	0	0
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51	9	0	0	8	1	0	0	4	7	1	0	17	0
52	4	0	0	3	0	1	0	0	10	0	3	11	0
53	1	0	1	1	0	2	0	0	2	1	0	9	0
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55	1	0	0	0	0	0	0	1	12	0	0	3	1
56													
57	10	2	1	6	1	0	1	1	2	0	0	7	1
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60	1	0	0	0	0	0	0	1	3	0	0	3	1

1													
2	0	0	0	0	0	2	0	0	2	0	0	0	0
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7	170	9	20	113	126	59	14	131	986	32	24	426	56
8	0	0	0	1	0	0	0	0	10	1	0	4	0
9	27	0	6	23	13	0	2	20	187	5	6	149	5
10	306	50	51	161	246	49	27	229	2020	42	49	1167	121
11	0	0	0	0	0	0	0	2	0	0	0	0	0
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13	3	0	2	4	0	0	0	1	11	0	0	12	0
14	7	1	0	2	7	0	0	7	0	2	1	9	0
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16	1	0	0	0	3	0	1	1	1	0	0	3	1
17	12	1	2	13	24	4	2	14	20	2	3	28	10
18	1	3	0	0	2	0	0	1	1	0	0	1	0
19	1	0	0	0	0	1	0	1	0	1	0	11	2
20	7	0	1	3	10	4	0	8	22	2	0	26	5
21	2	2	2	4	7	0	0	3	12	1	0	6	3
22	21	0	0	40	6	0	0	23	3	1	2	5	1
23	20	2	0	8	9	3	2	12	4	1	3	3	0
24	2	0	0	1	2	2	0	8	2	1	2	14	2
25	4	0	0	0	1	0	0	1	1	0	0	1	0
26	7	0	0	5	6	0	0	6	0	0	2	1	1
27	0	0	0	1	0	0	0	0	1	0	0	0	0
28	7	0	0	2	4	0	0	3	2	2	1	2	0
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30	1	10	0	3	0	0	5	0	0	30	0	0	8
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32	59	88	9	64	108	9	35	33	12	42	1	48	20
33	8	2	0	1	2	2	0	7	0	0	0	2	1
34	14	0	0	53	12	0	0	11	14	0	4	9	1
35	0	0	2	12	2	3	0	3	0	0	0	0	0
36	5	0	0	2	7	0	0	0	0	0	0	0	0
37	0	5	0	0	43	0	0	2	39	0	0	0	0
38	0	1	1	2	9	0	0	1	11	0	0	0	0
39	108	37	88	921	592	93	1	238	1069	3	29	146	229
40	0	0	1	16	1	0	1	7	1	0	1	0	1
41	4	0	0	39	0	0	0	1	0	0	0	0	0
42	3	0	1	4	10	0	4	2	9	0	1	3	7
43	10	1	0	10	52	2	6	3	42	3	2	18	17
44	7	2	0	4	3	0	0	6	4	0	3	25	0
45	1	0	0	3	0	0	0	2	0	0	0	1	0
46	54	33	10	19	335	15	10	40	121	28	7	207	29
47	0	0	0	0	0	0	0	1	0	1	0	0	0
48	0	0	0	0	1	0	0	1	0	0	0	2	0
49	17	98	52	9	22	26	40	8	0	15	41	78	44
50	1	7	15	1	0	0	3	2	0	0	0	0	0
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53	4	5	17	4	2	2	2	5	0	7	0	3	2

1													
2	76	1698	666	313	303	128	114	58	398	150	28	1043	237
3	2	2	4	23	2	0	0	0	1	0	1	3	0
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6	45	6	7	7	15	1	13	15	0	27	18	1	5
7	2	1	1	1	10	2	0	0	0	0	0	1	2
8	39	276	573	5	146	108	74	25	7	17	4	15	37
9	0	0	0	0	0	0	7	0	0	15	0	0	0
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11	130	29	61	57	0	2	6	33	0	8	675	0	11
12	8	0	0	8	3	2	3	5	1	0	1	0	0
13	134	65	50	66	286	94	542	115	51	46	173	1	103
14	5	0	2	1	4	1	17	3	0	2	3	0	2
15	0	0	2	0	0	0	0	6	0	0	1	38	1
16	1	0	0	6	0	0	0	0	4	0	0	1	3
17	9	1	4	23	1	2	1	13	0	0	2	0	1
18	2	0	3	3	0	0	0	0	0	0	1	1	0
19	3	0	0	8	0	0	1	2	3	0	0	0	0
20	1	0	0	5	3	1	0	0	0	0	2	0	0
21	1	0	0	1	0	2	0	1	0	0	0	0	0
22	1	0	2	20	0	0	0	0	3	0	0	9	0
23	26	0	5	50	8	0	1	24	10	0	4	17	0
24	0	0	2	47	1	1	0	2	0	1	0	1	0
25	0	0	0	8	0	0	0	0	0	0	0	0	0
26	3	0	1	9	2	2	1	2	1	1	0	0	0
27	0	0	0	1	0	0	0	1	0	0	0	0	0
28	182	16	124	754	213	140	20	198	616	15	66	135	173
29	6	4	3	8	17	12	1	14	66	2	3	33	15
30	1	0	0	0	3	1	0	0	2	0	0	3	0
31	15	10	12	12	33	15	2	14	99	0	4	49	24
32	3	4	0	2	0	0	1	6	8	0	0	14	12
33	0	1	0	0	2	1	0	0	3	0	0	1	1
34	46	0	28	16	1	9	23	18	16	30	9	0	1
35	1	0	0	0	0	0	0	1	0	0	0	0	0
36	0	0	0	3	5	0	0	5	0	0	0	0	0
37	21	2	1	82	93	4	2	32	35	0	2	5	78
38	1	0	0	9	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0	0	0	0	1
40	0	0	0	9	0	0	0	0	0	0	0	0	0
41	100	7	49	2	61	4	16	27	70	19	15	0	79
42	5	0	2	1	1	0	0	3	1	4	0	0	4
43	10	3	2	22	129	4	13	5	19	17	5	2	0
44	1	0	0	2	5	0	1	0	1	1	0	0	0
45	5	0	0	5	7	0	2	1	1	1	0	2	0
46	7	0	2	0	0	0	5	2	0	3	0	0	0
47	10	0	0	0	3	0	1	2	1	1	0	4	0
48	2	0	0	2	2	0	3	0	0	0	0	0	0
49	3	0	0	0	10	2	0	10	5	5	0	5	0
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52	0	0	0	4	7	0	0	1	1	0	0	0	0
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57	1	0	0	0	4	0	1	0	1	0	0	0	0
58	1	0	0	0	4	0	1	0	1	0	0	0	0
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1													
2	236	4	54	68	925	35	404	150	586	189	33	257	3
3	0	0	0	0	0	0	0	0	1	1	1	0	0
4	5	0	0	0	0	0	0	4	5	0	2	3	8
5	32	0	12	2	0	0	7	3	23	14	82	0	0
6	6	1	6	11	0	49	0	9	0	1	0	4	0
7	2	5	1	11	2	2	1	0	0	7	5	1	0
8	5	6	0	33	11	1	19	4	2	28	23	0	4
9	30	9	2	57	37	7	36	7	17	25	11	9	3
10	11	4	2	11	23	2	4	2	20	5	7	8	1
11	0	0	0	5	0	0	5	3	0	0	0	0	0
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13	89	31	4	176	227	32	71	31	290	62	144	400	16
14	3	4	0	7	11	1	5	1	9	0	9	13	1
15	4	3	0	1	0	1	0	0	2	1	0	1	0
16	1	0	0	1	1	0	0	0	0	1	2	1	0
17	8	0	0	8	0	0	3	2	0	1	1	4	0
18	10	0	0	5	1	1	0	4	0	1	2	0	0
19	4	0	0	20	0	1	4	7	1	2	2	16	1
20	0	0	0	10	6	0	1	3	0	2	1	0	0
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22	1	0	1	3	0	3	0	1	3	4	0	3	0
23	30	34	87	91	1	66	8	46	354	401	4	151	21
24	2	0	1	6	0	1	0	0	2	7	0	0	0
25	0	0	2	2	0	2	0	0	0	19	0	1	0
26	3	1	2	2	0	1	1	2	0	5	1	3	0
27	3	0	1	6	0	1	0	1	3	1	1	0	0
28	1	0	1	2	0	1	0	2	2	2	0	1	44
29	6	0	2	0	4	0	0	2	0	1	1	1	0
30	28	1	134	4	146	4	1	8	23	2	3	10	13
31	26	0	0	0	6	2	0	4	0	0	2	0	4
32	5	0	0	0	26	0	0	4	1	0	0	0	0
33	157	3	0	34	93	16	5	21	36	3	20	8	52
34	0	0	0	3	0	0	23	1	0	0	11	0	6
35	58	357	249	133	193	32	25	35	182	47	12	46	410
36	101	0	1	11	60	4	7	12	7	1	9	3	20
37	3	0	4	0	1	0	0	0	1	2	0	1	3
38	11	1	1	3	3	0	0	4	3	0	0	3	1
39	1	1	1	8	0	0	0	0	0	0	0	0	0
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42	146	187	11	11	758	11	74	64	12	16	54	47	63
43	3	0	0	0	2	0	1	3	2	2	0	2	0
44	26	26	54	6	2	18	64	80	2	5	125	1	19
45	3	0	1	2	1	0	3	4	1	0	0	8	2
46	30	1	0	2	54	8	1	25	79	1	11	36	78
47	99	281	101	189	430	71	222	66	228	69	52	209	102
48	0	1	1	6	0	0	1	2	0	1	2	0	0
49	3	5	1	5	2	2	0	9	1	2	0	1	1
50	21	13	37	0	0	14	57	3	0	193	42	0	20
51	164	18	0	111	288	0	54	41	137	66	17	139	8
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0

1													
2	10	20	20	8	19	18	22	8	2	16	19	0	5
3	0	0	0	0	5	1	0	0	7	1	0	0	0
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6	1	1	0	4	0	2	0	8	3	0	0	1	2
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8	0	0	0	4	0	0	0	3	0	0	1	1	0
9													
10	2	10	48	0	0	0	1	3	38	1	3	30	0
11	1	9	11	7	16	7	0	11	52	0	1	17	16
12	8	0	87	2	0	1	103	4	0	26	82	0	20
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14	24	53	39	19	76	6	51	29	63	51	0	35	48
15	2	1	0	0	0	0	0	0	1	0	2	1	0
16													
17	1	0	28	1	0	30	9	13	1	0	0	0	0
18	4	26	0	2	1	4	0	3	0	0	2	27	112
19	7	155	82	8	67	9	96	12	102	7	16	39	123
20	0	18	4	0	0	0	0	0	2	0	2	0	3
21	0	0	1	2	0	0	0	0	0	0	0	0	2
22													
23	8	120	110	48	18	0	45	10	46	20	15	98	40
24	46	6	88	3	6	59	129	27	4	16	22	26	31
25	41	60	620	26	24	798	75	52	99	149	16	0	33
26	2	0	4	0	1	0	1	22	0	2	0	0	1
27	4	0	4	4	0	5	0	10	0	1	0	0	1
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29	312	598	562	496	541	1542	85	3403	1052	474	121	384	978
30	0	1	0	0	1	2	0	9	3	0	1	3	0
31	3	3	1	0	0	0	0	5	3	1	0	4	3
32													
33	4	5	0	0	0	0	0	1	18	0	5	13	12
34	0	0	0	0	0	0	0	0	0	0	0	0	0
35	5	2	2	2	1	1	0	14	0	8	0	0	4
36	0	0	0	0	0	0	0	0	0	0	15	0	0
37	6	1	1	0	1	0	0	7	26	6	0	4	35
38	1	24	1	0	10	0	6	4	5	2	4	12	1
39	0	0	0	0	0	0	0	0	4	0	0	0	0
40	0	0	0	0	4	2	0	3	6	0	0	3	2
41													
42	12	6	7	77	9	1	65	4	0	19	0	254	72
43	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0
45													
46	16	31	47	0	0	11	14	17	0	6	14	4	2
47	15	0	0	1	16	0	548	15	230	34	63	0	13
48	21	120	0	38	0	26	49	11	78	683	0	32	35
49	4	0	1	4	0	0	25	4	0	0	3	4	0
50	35	2	125	1	4	81	204	43	0	149	64	189	29
51	5	4	1	0	0	2	10	6	0	0	17	4	0
52	34	22	14	22	0	3	91	21	3	13	118	69	3
53	0	0	0	0	0	0	0	0	0	0	0	0	0
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55	6	5	1	2	3	1	2	3	0	6	2	0	2
56	61	86	12	42	64	22	63	16	2	31	14	12	15
57	15	20	2	5	5	1	4	9	3	1	13	22	8
58	1	0	1	2	2	0	2	1	0	0	14	0	0
59	1	2	0	1	2	0	0	2	1	1	0	2	1
60													

1													
2	1	1	0	0	1	0	0	0	0	0	2	0	1
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45													
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28	32	135	43	4	12	182	105	32	36	36	14	65	124
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37													
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49	28	122	8	90	24	0	55	7	172	9	266	65	203
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39	0	0	0	0	1	0	0	0	8	0	0	0	0
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41	17	13	7	3	36	2	7	4	106	5	5	48	6
42	0	0	0	0	0	0	0	0	3	0	0	8	0
43	5	0	0	2	0	0	143	2	0	0	0	0	0
44	0	0	0	9	0	0	0	0	0	0	0	0	1
45	4	2	0	0	0	0	0	0	0	0	0	84	19
46	50	79	2	10	21	51	41	50	959	345	16	85	58
47	2	1	1	1	0	0	0	0	1	4	0	1	1
48	0	0	0	0	0	0	0	0	0	0	0	74	0
49	1	18	0	0	2	0	3	3	0	0	0	2	0
50	0	3	0	0	1	1	1	2	6	1	0	4	3
51	3	43	4	3	12	12	1	7	14	0	2	17	89
52	3	0	0	0	17	0	0	0	3	0	1	0	2
53	0	0	1	0	0	7	0	1	0	0	0	3	0
54	2	0	0	0	0	3	1	1	1	1	0	1	0
55	4	12	4	4	6	18	1	0	3	5	1	0	1

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2	0	0	0	0	5	0	0	0	0	2	0	4	6
3	4	16	11	2	0	5	8	7	1	5	2	1	4
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5	1	0	2	3	0	3	2	1	0	14	2	0	0
6	39	78	140	36	0	54	48	31	61	296	61	0	16
7	6	5	9	0	0	0	2	1	0	36	3	0	1
8	0	1	0	0	0	0	0	0	0	0	0	0	0
9	0	1	0	0	7	1	0	6	3	4	2	4	0
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11	1	4	0	0	1	1	0	0	1	0	0	7	2
12	0	0	0	0	1	0	0	0	0	0	0	5	1
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14	0	49	0	0	0	0	0	0	0	10	2	68	0
15	2	2	14	0	0	5	3	3	0	1	0	7	3
16	2	3	18	0	0	1	1	1	0	0	2	22	28
17	1	0	32	0	0	0	0	8	0	2	0	1	4
18	0	3	0	0	2	0	0	0	0	0	0	0	0
19	0	0	0	2	1	1	1	2	0	0	2	2	4
20	2	0	12	0	0	4	1	3	0	2	0	1	1
21	0	0	0	0	3	0	0	1	0	0	0	1	0
22	14	10	5	13	28	12	3	16	5	3	3	27	68
23	0	8	0	0	26	0	0	1	4	0	0	0	0
24	6	3	0	0	0	0	0	1	0	0	0	3	23
25	0	0	0	0	0	0	0	0	0	0	0	0	4
26	0	5	0	0	0	0	1	3	0	0	0	13	14
27	0	0	15	7	4	1	5	2	0	2	0	2	3
28	6	0	0	11	4	1	0	5	1	2	1	0	10
29	2	0	2	0	0	0	0	4	0	105	0	0	0
30	1	1	1	1	0	1	0	0	2	3	0	4	1
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32	10	8	25	6	11	2	21	2	27	3	14	34	29
33	9	7	0	8	1	0	13	4	0	0	4	9	1
34	11	11	4	3	10	1	9	26	31	13	6	2	28
35	1	0	0	8	0	0	0	0	1	0	0	0	0
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37	2	0	1	0	2	0	1	0	0	3	1	0	0
38	4	8	1	0	10	0	0	6	28	0	1	9	5
39	2	1	0	1	5	0	0	3	15	0	0	7	10
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41	25	16	19	15	11	0	10	5	19	2	11	9	19
42	5	0	1	1	3	2	0	0	9	0	0	15	0
43	1	0	0	0	9	0	0	0	5	0	0	10	3
44	1	0	0	0	10	0	0	0	3	0	0	19	1
45													
46													
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2													
3													
4	T1-548	T1-558	T1-557	T1-547	T1-560	T1-561	T1-555	T1-530	T1-614	T1-644	T1-638	T1-608	T1-617
5	0	0	1	0	16	0	6	3	0	0	0	0	0
6	7	5	21	43	13	3	36	0	0	0	2	14	2
7	0	0	0	1	0	0	2	0	4	2	1	0	0
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9	6	25	0	1	0	3	141	2	4	9	2	3	16
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13	0	0	0	0	0	0	0	0	0	0	4	0	0
14	0	0	0	0	0	0	0	0	0	0	4	0	0
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27	0	0	0	0	0	0	0	0	0	0	0	0	10
28	0	0	0	0	0	0	0	0	0	0	0	0	10
29	3	8	72	10	33	8	0	13	0	6	79	27	10
30	3	12	125	21	71	21	0	18	2	5	193	43	13
31	0	11	91	82	0	87	1	1	0	0	207	0	56
32	0	0	0	0	0	0	0	0	0	0	0	0	0
33	0	0	48	7	0	14	0	0	0	0	7	0	0
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35	0	4	0	4	0	0	0	0	4	0	16	0	9
36	2	3	0	0	0	0	1	4	0	0	0	2	0
37	0	0	0	0	1	0	0	0	0	0	18	0	7
38	0	0	0	7	31	7	0	0	22	10	0	0	0
39	0	0	0	1	5	10	0	0	0	0	8	0	0
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47	0	0	1	1	0	2	0	0	0	0	21	0	139
48	0	0	1	1	1	13	0	0	0	0	19	0	205
49	0	0	0	3	1	4	0	0	10	0	4	0	9
50	57	14	209	9	8	10	39	23	0	1	72	16	6
51	1	1	4	0	0	0	0	0	0	0	1	0	4
52	0	0	0	18	41	1	0	0	0	0	0	2	0
53	0	0	0	4	10	0	0	0	0	0	0	1	0
54	4	0	3	3	1	0	0	1	2	1	0	0	0
55	256	4	0	187	1	1	0	1	7	111	8	0	7

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2	0	1	0	0	0	0	0	0	0	4	1	0	1
3	0	0	3	5	2	3	0	1	6	0	2	0	2
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7													
8	40	0	9	13	3	0	13	0	20	1	6	7	14
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14	0	23	0	4	0	0	0	0	0	0	8	0	0
15	0	31	0	0	0	0	0	0	0	1	4	0	3
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17													
18	11	1	0	0	0	0	8	0	3	2	0	2	4
19	5	1	0	0	0	0	0	0	12	0	2	1	0
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22	0	0	0	0	0	0	0	0	1	0	1	1	1
23	0	0	0	0	0	0	0	1	1	0	1	0	1
24	0	0	1	0	1	0	0	0	0	1	0	0	1
25	0	3	0	1	0	0	0	0	0	0	2	5	9
26	0	1	17	17	0	4	7	17	5	10	56	15	37
27	0	0	0	0	0	0	0	10	0	0	0	2	4
28	0	2	2	17	1	1	0	56	5	0	12	61	26
29	0	0	0	2	0	1	0	2	0	0	3	0	5
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36	0	0	0	0	0	0	0	5	0	1	16	0	29
37	1	0	0	0	0	0	0	0	5	0	0	0	0
38	5	18	3	6	4	1	28	4	1	78	4	4	19
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40	0	6	0	1	2	9	0	6	0	31	0	4	0
41	8	1	7	1	18	2	1	0	0	5	0	3	10
42	0	0	1	1	0	0	0	0	0	0	0	1	0
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45	0	0	0	0	0	5	0	0	0	0	1	16	70
46	26	45	0	37	62	36	4	186	7	3	14	1	4
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52	1	12	4	12	6	4	0	7	2	7	2	6	7
53	0	0	0	0	0	0	4	2	0	0	2	1	0
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55	0	0	0	0	7	0	0	0	0	0	1	0	0

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3	0	13	25	3	13	12	0	0	0	31	7	2	0
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5	0	0	0	0	8	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	3	0	0	0	1	19	0	12	0	0	1	0
8	0	0	0	0	0	0	0	0	0	32	0	3	0
9	0	0	0	0	0	0	0	0	75	0	3	51	0
10	0	0	0	0	0	0	0	0	2	0	0	1	0
11	0	3	4	12	0	0	2	0	2	0	0	1	0
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13	1	0	0	0	0	0	0	0	0	0	18	17	0
14	43	11	54	56	27	38	257	60	10	103	185	11	26
15	16	49	0	5	9	2	15	1	46	56	0	1	1
16	6	34	0	0	0	8	0	0	35	2	6	0	4
17	0	1	0	2	9	6	3	6	0	0	9	1	0
18	6	3	13	2	0	0	3	2	23	10	9	7	4
19	20	0	0	0	0	0	0	0	0	0	0	0	0
20	3	2	0	15	0	0	0	7	62	175	87	0	7
21	377	294	162	333	189	235	622	206	181	41	221	209	133
22	0	3	0	1	1	3	0	1	1	0	0	0	2
23	0	3	0	0	0	0	0	0	3	0	6	1	0
24	1	5	0	0	10	31	0	7	8	6	0	3	2
25	0	0	0	0	74	3	0	4	0	0	0	0	18
26	0	0	0	1	14	8	0	3	0	0	9	0	8
27	1	1	0	0	7	14	0	76	0	0	0	0	80
28	0	0	0	0	0	0	1	0	0	0	0	0	0
29	0	3	0	0	6	0	0	9	36	0	0	10	0
30	1	1	0	0	0	0	0	0	63	0	0	0	0
31	0	0	24	0	0	69	0	0	13	0	4	0	0
32	0	3	5	0	0	12	0	0	0	0	0	0	0
33	0	3	2	3	23	104	0	4	0	0	4	1	0
34	2	24	128	59	290	487	0	105	71	9	91	8	214
35	0	0	0	0	7	6	0	2	0	0	0	0	4
36	0	0	0	0	0	0	0	1	0	0	0	3	0
37	0	1	14	1	27	307	0	13	0	0	16	0	26
38	7	3	25	1	23	18	0	25	14	1	0	4	12
39	22	0	147	0	1	333	0	1	12	0	1	4	0
40	2	1	5	34	4	7	1	3	6	1	1	6	4
41	0	11	8	0	1	2	0	9	0	4	3	2	12
42	1	6	5	0	0	2	0	1	2	3	0	0	6
43	0	0	0	0	0	0	0	0	0	0	7	0	111
44	0	0	0	0	0	0	0	18	0	2	3	0	0
45	0	0	0	0	0	0	0	0	0	0	0	4	0
46	12	3	57	0	1	0	2	10	27	1	420	6	12
47	0	0	0	7	0	9	0	17	0	0	0	0	13
48	0	2	0	0	0	0	1	7	3	2	0	2	2
49	36	33	7	8	58	9	15	50	101	32	0	21	16
50	1	2	0	0	1	1	0	3	5	0	0	0	1
51	0	23	28	4	70	51	0	22	0	9	0	3	26
52	56	133	165	18	7	41	0	71	61	69	16	30	173
53	0	0	0	0	0	0	0	0	0	1	9	1	2
54	1	4	1	0	0	0	0	0	0	1	0	2	3

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3	1	3	9	2	0	0	0	0	1	0	0	0	0
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7	0	39	450	22	6	68	0	109	0	1	216	0	304
8	0	0	6	0	0	0	0	1	0	0	1	0	3
9	2	35	69	16	14	24	1	0	2	3	38	10	129
10	25	155	209	47	101	59	14	7	7	15	272	73	591
11	0	4	6	3	0	0	0	0	0	1	1	3	8
12	0	4	5	0	0	0	0	0	0	0	2	0	0
13	0	1	10	3	0	1	0	0	0	0	5	1	11
14	0	1	3	0	0	0	0	0	0	0	1	3	2
15	0	1	2	0	1	0	0	0	0	0	0	1	1
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18	8	8	24	6	3	2	9	26	11	6	12	6	14
19	79	264	711	112	66	23	198	177	158	178	173	127	164
20	1	10	14	0	0	3	0	0	0	1	3	5	5
21	0	7	5	2	0	0	0	3	0	8	0	0	1
22	0	7	5	2	0	0	0	3	0	8	0	0	1
23	3	3	5	1	0	0	0	2	2	3	1	5	2
24	0	0	0	0	0	0	0	0	0	1	4	0	11
25	0	4	49	1	3	1	21	553	1	8	4	240	0
26	0	32	94	10	0	5	14	49	230	317	91	17	312
27	45	170	279	25	7	51	4	82	104	165	103	54	552
28	2	5	0	0	2	2	0	6	4	1	0	0	14
29	0	65	37	62	24	41	0	9	1	1	99	0	149
30	0	1	3	0	22	3	0	1	0	0	15	0	19
31	0	1	1	1	3	0	0	0	0	0	0	0	3
32	1	93	102	42	95	30	19	6	4	25	78	1	163
33	0	0	0	1	0	0	0	5	0	1	9	1	46
34	60	272	63	116	85	30	8	94	117	46	10	20	130
35	0	29	3	23	2	3	2	90	0	24	17	21	87
36	0	11	37	44	103	24	1	2	9	201	0	9	170
37	0	115	27	90	5	48	1	12	3	52	8	1	34
38	0	1	1	348	225	249	0	422	0	4	31	0	230
39	3	0	0	0	0	0	2	1	0	0	0	0	0
40	13	0	0	0	0	0	6	0	0	9	0	3	0
41	9	6	0	0	0	1	0	4	0	2	0	5	1
42	106	71	25	53	32	238	121	96	62	165	26	147	20
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44	33	3	34	69	48	12	13	7	13	48	26	8	15
45	0	0	0	0	0	0	0	0	0	0	0	2	0
46	0	2	1	0	0	0	0	0	0	1	1	2	0
47	0	0	0	0	0	0	0	0	1	0	0	0	0
48	31	9	9	0	0	0	285	82	37	86	154	66	2
49	3	0	0	0	0	0	1	1	1	3	0	1	0
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53	1	0	0	0	0	0	0	2	0	0	0	3	0
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55	1	0	0	0	0	0	0	0	0	0	0	1	1

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2	4	3	0	0	2	0	0	0	0	1	0	9	0
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4	451	72	50	96	12	73	24	411	672	153	88	1048	203
5	4	1	1	3	0	0	0	19	4	2	3	12	6
6	5	0	0	0	0	4	2	13	12	3	2	13	8
7	2	1	0	0	0	0	0	0	0	0	0	0	0
8	1	5	18	0	1	1	0	1	3	2	1	7	9
9	1	6	4	0	0	0	0	0	0	4	2	1	0
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13	0	0	1	0	0	0	0	1	0	0	0	0	0
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16	1	4	1	0	0	1	7	1	2	1	0	0	7
17	0	0	2	0	0	0	0	0	0	3	0	4	0
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19	3	0	0	0	1	0	0	1	0	4	0	21	1
20	12	0	0	0	0	0	1	0	1	0	0	1	0
21	2	7	0	2	0	0	0	2	0	1	1	0	2
22	3	7	15	1	0	0	4	3	0	0	0	2	6
23	1	5	1	0	0	1	5	11	1	12	1	0	6
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25	0	2	1	1	0	0	0	7	1	9	0	0	0
26	2	6	0	0	0	0	2	2	1	5	0	0	2
27	2	5	1	3	3	3	3	4	4	11	1	6	5
28	5	3	2	3	5	4	4	5	3	16	0	8	3
29	1	0	0	0	0	0	2	2	2	3	0	2	0
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31	4	2	1	0	0	0	0	0	0	4	0	2	0
32	5	0	7	1	0	0	4	2	0	7	0	2	1
33	0	1	1	1	0	0	0	0	2	2	1	0	1
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35	0	1	1	0	0	0	2	2	5	26	0	15	1
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40	10	9	0	1	2	0	4	2	1	14	0	13	2
41	1	13	0	1	0	0	4	0	3	84	0	4	1
42	1322	1212	1489	502	150	30	999	1065	1897	2797	513	1359	800
43	0	0	1	1	0	0	0	0	1	0	0	0	0
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46	7	1	0	0	0	0	1	0	0	0	0	4	5
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49	10	1	1	0	0	0	5	16	3	1	0	0	4
50	1	1	0	0	1	0	3	5	5	2	0	2	0
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52	44	12	0	0	0	0	65	38	37	21	0	19	17
53	0	6	0	1	2	0	0	12	13	7	2	7	0

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7													
8	720	126	64	32	21	4	905	297	404	223	58	303	100
9	6	1	0	0	0	0	7	6	6	0	2	0	1
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11	1053	159	107	48	28	36	1894	429	781	456	54	572	245
12	0	0	0	0	0	0	3	0	0	1	0	1	0
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16	2	5	0	0	0	0	3	0	0	0	0	0	0
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18													
19	17	16	12	8	2	0	30	10	21	29	4	20	8
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21	3	0	0	1	0	0	1	5	3	4	1	4	2
22													
23	28	8	11	3	0	1	18	16	21	33	1	18	7
24	10	4	9	2	1	0	11	0	6	11	5	8	5
25	0	19	4	1	0	0	1	5	0	10	0	3	0
26	8	3	3	0	0	2	1	4	4	6	0	27	3
27	4	2	2	0	0	0	0	1	0	0	0	4	2
28	1	0	0	0	0	0	0	0	5	4	0	0	1
29	1	3	1	0	0	0	0	3	0	2	0	0	0
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31	0	0	1	0	0	0	0	1	1	4	0	0	0
32	0	0	0	0	0	0	1	1	2	1	0	1	0
33	0	0	6	13	0	0	0	0	0	115	37	0	9
34	1	0	4	0	0	0	0	1	1	1	0	0	2
35													
36	49	18	267	27	34	36	11	37	38	26	16	1	65
37	1	0	2	0	0	0	0	0	3	0	0	0	2
38	8	8	0	1	1	0	0	4	0	6	0	8	1
39	1	0	0	0	0	0	0	1	0	1	0	5	0
40	0	0	0	0	0	0	0	1	0	0	0	0	0
41													
42	73	0	0	0	9	0	60	0	28	47	0	27	0
43	28	1	1	0	3	0	14	1	2	16	2	10	1
44													
45	83	415	100	188	585	12	664	355	158	325	211	727	159
46	0	0	0	1	4	0	2	0	0	3	1	2	1
47	0	2	0	0	0	0	0	0	0	2	0	2	0
48	6	4	8	4	2	18	1	4	5	6	0	18	18
49	6	7	25	14	9	27	9	30	23	25	1	52	45
50	10	2	1	0	1	0	0	2	1	6	1	6	0
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52													
53	337	90	107	35	42	5	20	316	108	110	35	193	32
54	3	2	1	1	0	0	0	0	0	1	0	0	0
55	2	0	0	0	0	0	0	0	0	0	0	0	5
56	25	6	91	41	21	219	0	15	31	2	12	23	363
57	1	4	2	0	0	0	0	0	0	0	0	0	6
58	1	7	4	0	0	0	0	0	0	0	0	1	4
59	0	3	1	0	0	0	0	0	0	0	0	3	1
60	0	3	5	0	0	0	0	0	0	0	0	1	3

1													
2	154	479	930	123	75	123	859	271	106	45	473	225	386
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4	4	1	9	2	0	0	7	0	0	1	4	5	4
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6	5	3	3	8	18	10	1	4	0	6	21	8	22
7	14	3	1	0	0	0	1	0	0	0	0	2	1
8	266	66	88	22	41	59	38	54	67	21	61	33	154
9	0	6	0	0	0	1	1	1	0	0	0	0	9
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14	25	80	76	139	65	279	37	12	44	42	12	22	46
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19	0	7	1	0	1	1	0	0	0	0	1	1	0
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22	0	0	0	0	0	0	0	0	2	1	0	6	0
23	1	0	0	0	0	0	0	0	0	0	0	1	0
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25	13	13	0	4	0	0	1	4	3	6	0	8	3
26	0	2	0	0	0	0	0	2	0	0	0	2	0
27	0	0	0	0	0	0	0	0	0	2	0	1	0
28	0	2	0	1	0	0	0	3	0	1	0	7	0
29	0	0	0	0	1	0	2	0	2	0	0	1	0
30	89	575	99	139	47	30	290	490	161	254	64	308	91
31	27	16	10	22	3	1	18	14	26	12	8	24	11
32	6	3	1	1	0	0	3	2	8	1	0	2	0
33	63	55	12	29	0	3	31	23	103	16	11	61	26
34	0	0	0	3	1	0	2	15	4	7	0	0	1
35	5	5	0	2	1	1	0	0	2	3	0	2	2
36	1	16	120	3	0	0	7	23	25	37	4	8	3
37	0	0	0	0	0	0	0	1	4	0	0	2	1
38	0	2	1	0	0	0	3	2	6	22	0	9	0
39	0	34	66	2	0	23	143	370	371	1110	0	435	4
40	0	0	4	0	0	0	0	4	1	2	0	1	2
41	0	1	0	0	0	0	0	15	5	13	0	5	1
42	0	2	0	0	0	0	0	0	0	6	0	0	0
43	41	0	4	0	0	2	3	27	29	10	7	126	2
44	0	0	0	0	0	0	0	1	0	0	0	4	0
45	50	0	26	0	17	12	0	45	14	0	25	86	16
46	0	0	0	0	1	0	0	0	0	1	0	1	0
47	0	0	0	0	2	4	0	0	0	2	0	0	0
48	0	0	0	0	3	0	0	1	0	0	0	0	2
49	0	0	0	0	1	2	0	0	1	0	0	0	1
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55	0	0	0	0	4	1	4	2	0	2	0	0	0
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57	0	0	0	0	1	2	0	0	1	0	0	0	1
58	0	0	0	0	0	0	0	2	0	0	0	0	0
59	5	0	0	0	0	0	3	4	1	7	0	0	2
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	1	0	0	0	0	1	0	1	0	0	0	0	0
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	0	0	0	0	4	1	4	2	0	2	0	0	0

1													
2	153	39	4	1	1168	385	295	634	67	265	51	82	287
3	2	0	0	0	1	3	1	0	10	0	0	5	1
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5	10	2	3	0	0	538	1	48	2	17	15	192	13
6	0	0	173	0	40	11	0	5	85	1	3	76	50
7	15	5	9	0	0	2	2	0	15	0	1	0	0
8	16	11	37	0	0	13	0	0	23	1	2	1	0
9	144	42	23	15	2	9	2	2	65	11	2	1	14
10	80	6	1	11	1	0	0	1	97	2	0	0	5
11	0	4	0	0	0	0	0	0	1	0	2	0	14
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13	720	154	120	78	28	36	0	18	523	50	17	89	11
14	22	7	5	4	1	0	0	0	14	3	1	5	3
15	3	0	0	0	0	0	0	0	1	1	0	0	0
16	9	4	0	2	0	1	0	0	1	0	0	0	0
17	5	0	0	0	1	0	0	0	0	0	0	0	0
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19	23	8	1	0	0	0	0	0	6	2	0	3	2
20	9	1	0	0	0	0	0	0	2	1	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0
23	6	0	0	0	6	0	0	5	0	2	2	10	0
24	419	0	28	4	411	20	0	1443	44	124	341	1031	131
25	1	0	0	0	1	0	0	2	0	0	0	1	1
26	0	0	0	0	0	1	0	1	0	0	1	2	1
27	0	0	0	0	0	0	0	1	0	2	0	2	0
28	7	0	0	0	0	0	0	9	0	0	0	10	1
29	0	1	5	0	10	35	0	17	0	0	1	0	3
30	0	0	0	0	0	0	0	0	0	0	0	3	0
31	1	3	0	53	41	0	3	35	29	7	1	21	12
32	0	0	0	0	0	1	0	0	0	0	0	0	0
33	2	2	0	0	0	0	0	20	0	3	1	0	0
34	65	55	4	6	0	3	0	501	5	12	43	14	22
35	0	0	1	0	54	21	0	43	0	0	7	0	0
36	78	100	97	222	50	141	105	294	139	98	6	65	102
37	78	27	7	4	0	1	2	109	1	8	13	8	12
38	0	1	1	0	0	0	0	0	0	0	0	0	2
39	0	2	1	0	0	0	0	3	1	3	2	5	0
40	0	0	0	1	0	0	0	0	0	0	0	0	0
41	2	0	0	0	0	0	0	0	0	0	0	2	0
42	2	0	0	0	0	0	0	1	2	0	0	3	0
43	19	4	1513	193	405	91	0	44	96	8	26	42	312
44	0	1	0	112	25	0	0	14	0	0	0	0	18
45	0	15	94	98	0	3	2	11	0	0	41	0	19
46	0	1	2	0	0	0	1	1	1	1	0	5	1
47	18	0	0	13	0	0	10	6	202	21	2	15	2
48	41	66	383	187	288	136	215	300	571	113	280	281	352
49	0	0	2	0	0	1	0	1	0	0	0	4	2
50	0	0	0	3	0	0	0	2	1	0	0	1	0
51	1	10	32	28	8	121	0	22	0	2	10	0	29
52	6	3	6	45	124	127	19	154	0	88	95	33	153
53	0	0	0	0	0	18	0	0	0	0	0	0	0
54	0	0	0	0	0	22	0	0	0	0	0	0	0

1													
2	9	15	39	2	25	36	2	0	37	5	8	2	69
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6	0	0	0	0	0	0	5	0	1	1	2	1	0
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13	103	45	25	45	77	104	116	90	58	14	32	27	51
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19	0	1	1	2	31	0	0	2	0	0	0	0	5
20	4	59	174	660	219	49	0	206	5	10	83	75	92
21	0	6	4	191	2	23	0	3	21	5	0	70	50
22	0	72	81	107	17	47	6	15	124	3	90	43	111
23	2	1	0	0	0	0	8	0	1	0	0	0	0
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25	0	5	0	0	0	1	6	2	1	0	1	0	4
26	564	861	342	628	110	474	3508	1068	685	130	727	801	232
27	0	1	2	3	0	1	12	4	1	0	2	0	1
28	2	0	1	2	0	0	5	4	2	0	0	0	2
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35	0	15	0	109	0	6	1	0	95	0	11	1	4
36	0	2	0	8	0	3	1	1	10	0	3	2	4
37	15	0	2	0	0	1	2	5	1	0	0	0	0
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39	0	46	0	1	1	6	0	13	0	1057	11	48	40
40	0	0	1	0	0	0	0	0	0	0	0	0	0
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42	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	1	0	1	121	2	0	0	1	20	14	1	1
44	19	255	38	0	2285	317	8	2	2	2	369	172	1
45	0	21	13	7	0	1	23	26	17	35	174	32	0
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47	8	29	21	13	13	120	4	4	2	13	28	6	172
48	0	0	6	0	0	3	0	0	0	0	2	0	15
49	29	1	85	36	10	7	1	0	0	6	26	6	112
50	0	5	1	0	0	131	0	0	0	0	0	0	0
51	0	0	0	0	0	22	0	0	0	0	0	0	0
52	0	4	11	6	11	3	0	11	2	7	5	4	13
53	2	46	145	95	176	100	4	45	8	35	75	69	86
54	65	3	9	13	32	22	10	9	155	4	9	9	32
55	1	0	10	5	7	12	1	6	5	0	3	0	6
56	0	1	4	1	7	3	0	1	2	0	2	1	5

1													
2	0	0	3	1	1	3	0	0	3	0	0	0	2
3	0	0	0	0	0	2	0	0	18	0	0	0	0
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5	3	5	16	12	65	49	1	18	13	14	4	3	16
6	8	1	5	0	3	5	0	4	55	6	3	1	3
7	5	11	66	28	71	42	0	25	14	13	27	14	26
8													
9	13	0	0	0	8	1	3	1	32	0	0	0	2
10	168	39	68	27	5	20	58	17	72	50	62	28	47
11	0	0	0	0	0	3	15	0	0	0	0	0	0
12	0	1	1	0	3	7	1	0	2	0	0	0	0
13	0	2	1	0	0	48	0	0	0	1	0	0	0
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16													
17	92	78	33	455	52	128	173	37	75	58	171	54	213
18	0	4	0	3	0	3	0	0	0	0	0	1	2
19	0	3	2	0	5	1	0	2	6	0	0	0	0
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21	0	0	0	0	0	0	0	0	0	0	0	0	0
22													
23	51	44	101	233	100	78	38	55	122	21	118	78	97
24	196	19	501	324	0	159	171	33	106	20	107	81	45
25	2	1	10	8	0	2	3	0	8	0	2	1	1
26	5	0	7	0	0	1	2	1	0	0	1	2	0
27	1	4	18	4	8	26	2	0	16	0	10	2	0
28	3	1	4	0	0	0	1	0	4	0	0	2	1
29													
30	378	252	305	348	309	173	260	53	337	88	119	251	73
31	2	1	18	8	22	4	1	3	8	1	4	10	5
32	5	5	1	0	0	0	4	0	0	0	1	0	0
33	46	22	3	33	11	69	363	4	74	8	20	23	10
34	266	125	102	114	51	195	59	92	260	85	192	91	154
35	9	4	4	2	1	4	7	2	7	6	6	4	3
36	0	0	6	0	0	33	0	1	0	0	12	2	0
37													
38	0	27	1	19	13	18	0	0	0	0	23	9	12
39	0	21	7	11	16	145	0	0	16	17	21	6	129
40	20	3	0	7	59	22	0	0	26	17	0	3	14
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42	40	34	112	27	40	154	4	17	180	92	42	63	104
43	2	0	0	0	0	2	0	0	0	0	5	3	1
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45	416	281	3	0	125	129	11	56	325	8	0	3	0
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47	0	0	0	0	0	0	0	15	2	16	0	0	3
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49	0	2	0	6	2	1	0	1	0	2	31	11	0
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51	25	32	11	11	15	52	5	13	26	11	19	22	6
52	4	19	47	34	80	80	17	1	1	0	43	27	27
53													
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56	0	1	151	42	0	125	0	0	10	0	28	0	11
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29	20	35	16	4	0	14	0	0	21	1	16	0	19
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34	17	30	8	2	19	4	9	49	41	50	2	11	31
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49	0	23	0	0	5	8	1	0	2	0	15	0	0
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15	607	143	82	289	2006	362	147	94	277	136	35	151	171
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18	410	247	84	121	279	848	163	217	580	17	31	393	549
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22	218	80	42	73	635	216	59	19	136	42	19	70	94
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37	0	4	3	74	5	0	0	4	0	0	56	0	37
38	23	0	0	0	0	17	7	0	19	0	0	0	0
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42	0	5	0	1	9	16	2	1	10	2	16	8	14
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53	2	2	1	8	3	26	2	0	0	4	8	0	1

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37	2	2	0	0	1	4	4	0	16	7	3	1	3
38	0	0	0	0	0	0	6	0	6	5	2	0	0
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41	30	0	0	1	0	2	1	3	4	0	0	1	1
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43	0	0	0	5	0	2	1	0	0	0	32	0	0
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45	0	66	0	6	2	0	0	0	0	11	0	0	0
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50	48	155	15	146	19	19	390	28	144	18	137	37	65
51	36	119	11	29	1	38	37	1	52	2	119	60	51
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53	4	28	1	2	0	4	6	1	4	0	13	7	7

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33	71	67	57	61	95	108	11	25	118	30	71	40	56
34	9	16	2	4	5	4	0	4	11	4	15	4	10
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36	17	30	0	21	43	32	12	2	27	35	23	29	39
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53	0	0	11	2	21	7	1	0	0	0	5	1	1

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7													
8	32	7	9	0	0	5	0	0	11	0	0	0	0
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13													
14	31	9	3	0	0	0	0	12	14	0	3	1	3
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16	0	0	10	1	2	2	0	0	1	0	7	0	5
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22													
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25	6	14	3	48	52	11	1	3	7	8	16	0	6
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38													
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51													
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34	186	222	18	23	68	9	112	19	31	3	28	30	23
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32	0	2	1	0	0	0	0	0	0	0	283	0	0
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43	16	65	13	2	12	16	5	51	51	11	5	16	42
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28	183	226	10	52	19	76	18	7	34	54	155	132	113
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31													
32	35	39	43	12	7	6	283	34	9	33	35	16	6
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53													
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58	6	2	5	2	2	0	0	2	1	0	0	3	1
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10													
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20													
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39	12	4	9	1	6	2	0	56	0	11	4	30	11
40	1	2	0	0	0	0	0	0	1	0	0	0	3
41	1	1	2	1	0	0	3	2	1	4	0	0	0
42	21	1	70	47	4	0	37	20	50	93	7	24	12
43	0	0	2	0	0	0	0	0	0	2	113	0	61
44	0	0	0	0	0	0	0	0	0	0	0	0	0
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46	0	8	4	0	100	10	0	151	0	0	155	0	82
47	24	62	14	104	71	40	0	13	5	0	66	101	49
48	0	1	5	0	0	1	0	2	0	1	5	1	3
49	0	0	0	74	4	0	0	0	1	0	0	0	0
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52	32	6	2	6	7	0	0	60	2	195	15	2	16
53	8	0	0	5	0	0	0	0	0	5	0	0	0
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55	0	6	0	4	2	1	0	1	0	0	8	0	8
56	0	3	3	2	2	3	0	1	2	0	6	8	6

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7	0	2	1	0	0	4	0	0	0	0	30	0	1
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9	0	5	0	0	2	0	0	0	0	35	11	3	12
10	28	21	1	17	15	1	112	3	0	31	6	17	26
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16	0	14	0	4	1	4	9	2	0	1	0	0	2
17	0	2	0	0	0	0	0	1	0	0	44	0	37
18	1	0	0	1	0	0	2	0	1	0	0	1	1
19	9	9	1	1	1	0	36	0	0	0	1	2	1
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22	24	65	7	17	8	2	34	16	13	14	4	6	17
23	17	13	0	0	0	0	10	5	6	3	2	9	4
24	32	76	32	1	0	0	27	1	49	8	17	63	2
25	2	5	0	0	0	0	0	0	0	1	0	4	0
26	0	16	0	1	0	2	3	1	0	0	0	0	0
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28	12	2	10	7	0	20	48	3	0	11	7	2	0
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36	8	15	3	0	12	0	2	49	6	19	1	16	10
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38	15	10	13	1	3	1	37	13	6	29	5	7	16
39	23	40	7	0	0	4	20	59	10	45	0	15	13
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45													
46													
47													
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	T1-603	T1-622	T1-607	T1-604	T1-658	T2-503	T1-661	T1-645	T2-528	T2-526	T2-545	T2-558	T2-548
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2													
3													
4													
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28	0	0	0	0	0	0	0	0	0	0	0	0	0
29	16	24	3	181	0	4	38	14	57	25	4	26	3
30	24	48	3	291	0	8	57	28	93	50	16	39	4
31	0	14	1	15	31	14	0	0	0	0	1	25	1
32	0	0	1	0	0	13	0	0	0	0	0	0	0
33	0	0	13	0	0	0	0	1	0	0	0	2	0
34	20	1	0	20	8	7	11	3	1	0	7	27	5
35	0	0	5	0	0	9	10	63	0	0	27	24	0
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37	0	0	0	2	0	9	0	0	0	0	0	0	0
38	0	22	0	0	0	0	0	0	0	0	1	0	0
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45	0	0	0	0	0	0	2	2	0	6	0	3	0
46	0	1	1	0	1	0	0	2	117	0	0	0	1
47	0	2	1	0	0	0	0	0	141	0	0	0	0
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53	0	0	0	35	24	0	0	0	0	1	0	0	0
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55	0	0	3	9	9	96	34	42	33	2	2	8	23

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7	7	8	11	22	2	23	15	0	0	0	30	6	1
8	0	0	46	0	0	2	0	0	0	0	6	0	0
9	0	1	6	14	0	4	0	0	1	3	4	0	18
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11	0	0	1	15	0	4	0	0	0	2	0	2	0
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13	13	0	1	51	3	27	0	0	0	9	2	8	0
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17	0	0	3	0	0	0	0	0	0	0	0	1	0
18	12	0	0	0	3	32	0	0	0	1	24	3	2
19	1	0	8	5	3	3	0	0	0	2	2	17	22
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23	0	0	3	2	0	20	0	0	2	0	1	1	0
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27	2	8	11	9	10	17	14	45	5	42	9	11	3
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35	0	0	1	0	0	0	0	0	0	5	1	0	4
36	0	3	8	24	2	0	6	2	0	4	10	4	0
37	0	7	4	7	3	3	5	6	0	2	8	19	14
38	0	0	0	0	0	1	0	3	0	23	2	0	0
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43	0	3	2	7	0	5	10	0	0	0	65	0	0
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47	0	0	1	6	1	5	2	1	14	0	121	0	0
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54	0	0	0	1	0	6	1	0	0	2	3	4	0
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57	6	0	2	0	0	0	2	2	0	4	8	3	1
58	0	0	0	0	0	3	0	1	0	0	18	0	0
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6	0	0	0	0	0	0	0	0	0	0	0	0	0
7													
8	16	2	0	0	0	4	0	1	0	0	1	0	0
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14	95	318	35	49	139	15	173	195	2	3	27	28	188
15	0	3	1	29	0	11	0	7	0	0	11	2	0
16	0	17	1	0	24	0	3	3	0	0	5	5	1
17	10	10	2	9	0	0	4	22	0	0	0	8	0
18	22	2	5	18	3	1	3	1	4	3	12	4	12
19	0	0	0	0	0	0	0	0	0	0	0	0	110
20													
21	63	172	8	0	38	0	4	3	4	11	9	0	6
22	253	148	209	195	105	35	377	265	405	279	60	135	127
23	0	0	1	1	1	0	4	0	2	2	0	2	0
24	0	0	0	0	33	58	0	0	0	0	0	23	0
25	0	0	0	0	3	0	5	20	0	0	1	0	0
26	0	0	1	0	3	0	5	20	0	0	1	0	0
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34	0	0	0	4	0	1	0	0	0	9	0	1	0
35	0	0	0	0	0	0	0	2	0	0	0	1	0
36	0	0	0	0	0	0	3	4	0	0	0	1	0
37	0	8	6	4	9	17	34	162	0	0	17	23	2
38	0	0	0	0	2	1	0	6	0	0	0	0	0
39	0	0	0	0	0	0	0	0	64	0	0	0	0
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42	0	3	1	1	12	2	3	20	0	2	3	11	1
43	0	17	0	0	4	0	0	0	0	4	11	9	12
44	1	0	0	0	0	10	1	4	0	13	2	2	0
45	0	6	0	0	0	11	2	0	2	5	11	3	2
46	0	4	0	0	1	6	2	1	5	5	10	0	5
47	0	0	0	0	0	81	0	0	0	0	0	0	0
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51	1	3	0	0	3	2	0	9	0	19	5	0	1
52	0	0	0	0	0	0	0	5	0	0	5	0	0
53													
54	4	2	0	7	0	0	0	0	0	0	25	9	0
55	44	5	6	105	14	3	15	11	0	52	776	83	0
56	5	0	0	0	0	0	0	0	0	2	17	2	0
57	0	0	3	2	4	42	5	32	1	0	9	22	4
58	0	160	5	0	6	180	59	40	145	128	409	16	86
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	2	1	0	0	0	0	0	2	4	0	0

1													
2	0	0	0	0	0	0	0	0	0	0	0	2	0
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9	0	0	0	0	0	3	3	0	0	0	0	0	0
10	0	4	3	5	1	13	16	26	0	128	27	16	37
11	1	151	7	60	21	82	73	256	1	798	58	58	125
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19	8	3	4	6	0	16	0	0	6	13	7	2	5
20	115	10	79	206	28	223	14	4	69	425	116	43	87
21	0	0	1	1	1	1	0	0	2	15	3	1	1
22	0	0	9	16	0	2	0	0	4	21	2	3	2
23	0	0	1	9	0	6	0	0	2	7	6	0	0
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27	0	3	20	5	6	91	10	39	0	19	7	30	3
28	0	80	13	7	7	244	52	52	81	113	178	24	70
29	0	0	1	2	0	9	2	2	13	2	1	0	0
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34	0	0	25	10	2	41	24	23	2	14	2	53	0
35	0	1	0	0	1	1	3	2	0	0	0	0	0
36	0	11	27	32	6	205	16	142	385	61	41	102	17
37	0	0	3	0	4	2	7	62	0	1	3	9	0
38	0	6	3	8	3	22	14	287	1	1	56	40	5
39	0	4	20	4	7	33	0	45	1	11	33	81	0
40	0	0	0	0	0	0	73	229	0	0	0	5	0
41	0	0	0	0	0	0	3	0	0	0	0	0	0
42	0	0	0	2	4	0	3	0	0	0	0	0	0
43	1	8	0	27	0	0	3	0	0	4	0	0	4
44	1	0	0	8	1	4	11	0	0	2	0	0	0
45	123	21	22	172	162	11	77	13	1	26	29	37	5
46	0	1	0	1	1	1	0	0	0	0	0	1	0
47	0	12	1	0	11	23	8	5	0	2	91	24	14
48	0	0	2	1	3	0	2	0	0	0	0	0	0
49	0	0	6	5	15	11	13	0	2	3	4	3	3
50	0	0	0	1	6	2	0	0	0	0	2	1	3
51	336	161	223	95	722	317	188	0	35	113	93	236	552
52	1	4	5	3	17	5	12	0	0	4	1	1	9
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54	1	0	0	2	2	0	0	0	0	1	3	0	0
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57	0	0	0	19	7	1	11	0	8	10	21	3	2
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1													
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4	120	58	148	275	324	92	154	21	107	291	714	172	92
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25	4	0	3	3	0	4	0	0	7	1	0	2	0
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42	1171	66	904	5054	728	2642	827	142	3890	1418	1631	2402	370
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53	9	0	1	24	0	6	0	0	1	36	1	16	8

1													
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7													
8	117	5	47	853	67	294	141	4	143	264	97	337	61
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11	429	31	81	1637	185	648	290	45	90	514	294	380	329
12	3	0	0	2	1	0	0	0	0	0	0	0	0
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17	0	0	0	1	1	1	1	1	1	2	1	3	0
18													
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25	2	0	0	17	20	11	6	0	7	12	4	7	0
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37	0	0	0	0	1	2	2	0	16	2	0	1	0
38	3	2	8	16	22	8	9	0	0	9	5	1	0
39	0	0	2	0	10	0	0	0	0	0	1	1	0
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41													
42	106	5	3	53	29	16	51	2	0	2	30	0	76
43	27	1	3	25	22	5	23	0	0	0	4	4	17
44	1343	109	1044	416	991	184	157	15	0	278	336	117	177
45	0	0	1	2	3	0	5	0	0	5	3	0	0
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47	2	4	0	9	9	7	9	1	0	3	7	32	2
48	6	7	1	12	21	27	31	1	1	10	26	125	6
49	0	0	0	7	1	8	13	0	0	1	5	11	0
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52	19	12	13	142	84	197	68	71	1	33	120	130	59
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55	0	18	1	22	0	6	24	32	0	47	9	173	44
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59	0	0	0	0	0	1	3	0	0	3	3	0	0
60													

1													
2	35	204	110	60	43	27	790	100	0	622	122	372	57
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32	248	137	36	462	643	289	57	41	113	561	487	198	74
33	22	6	8	13	32	10	4	2	9	9	21	12	4
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35	67	10	15	35	54	29	19	5	12	27	24	37	17
36	10	0	0	12	9	2	15	1	1	1	11	3	1
37	5	1	1	0	0	3	0	0	2	0	2	1	1
38	0	0	0	0	4	7	16	27	1	13	39	22	4
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42	40	145	1	11	73	987	0	244	184	265	2247	228	2
43	0	0	0	0	1	5	0	0	0	4	6	0	0
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47	47	2	2	106	186	147	1	144	0	86	23	1	3
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60	2	0	3	1	1	0	4	2	0	0	1	0	1

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2	230	5	370	112	274	89	241	201	6	68	351	130	2
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7	7	1	0	5	7	0	0	2	25	0	2	7	0
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26	46	24	195	193	9	326	9	98	1	475	119	268	51
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36	0	9	2	11	7	7	5	2	0	12	27	30	2
37	0	0	0	0	0	0	0	97	0	0	0	27	0
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39	12	3	124	47	64	107	13	229	1	177	88	45	30
40	0	2	11	3	7	10	2	0	0	10	11	13	2
41	1	0	1	1	2	0	0	0	0	1	2	0	0
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51	12	34	7	16	189	41	0	0	76	55	61	52	166
52	156	122	126	175	83	343	76	119	0	423	270	311	94
53	0	1	0	0	0	4	1	0	0	1	0	2	0
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56	1	2	53	26	21	62	21	683	0	41	276	28	32
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1													
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14	2	37	21	118	26	26	65	101	0	71	53	33	8
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16	20	0	4	1	2	0	0	0	0	4	16	0	4
17	13	45	24	16	7	4	0	0	0	2	64	14	8
18	4	56	177	14	18	47	21	60	103	101	26	48	0
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22	9	62	118	2	8	14	20	2	0	12	44	31	0
23	6	0	3	15	9	14	4	35	1	162	0	4	1
24	47	21	20	84	65	5	37	22	0	344	12	37	2
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27	2	2	4	0	6	0	10	0	5	5	0	3	1
28	1855	899	1446	315	1257	208	2990	178	1833	1078	252	426	2858
29	7	3	1	3	5	1	8	1	6	2	1	1	8
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35	0	0	0	0	6	12	0	0	0	0	7	2	2
36	0	1	1	7	4	5	18	18	0	1	4	1	0
37	0	0	0	0	0	0	0	0	0	33	0	0	1
38	4	46	0	6	1	0	0	6	0	0	12	0	0
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42	0	0	20	2	0	0	0	0	21	0	0	7	0
43	84	462	5	0	2	155	0	0	0	2	24	44	12
44	0	292	259	8	259	0	5	613	0	11	15	25	0
45	0	2	0	0	0	0	0	60	0	0	1	1	0
46	0	23	3	3	1	0	3	192	25	1	13	26	10
47	0	6	0	0	0	0	0	27	0	1	0	1	7
48	0	65	2	0	0	2	0	367	0	16	10	50	64
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9													
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16													
17	10	147	414	0	2663	56	347	140	0	20	368	68	5
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22													
23	251	123	77	45	25	53	59	60	0	30	33	80	99
24	1346	787	173	1	358	168	66	69	99	107	7	14	637
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26	1	3	2	0	9	1	2	0	4	3	0	1	0
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29													
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34	131	142	55	111	43	220	76	233	1	63	96	136	21
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49	34	1	200	0	11	171	54	109	0	19	186	58	25
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16	74	238	107	133	315	248	80	339	30	96	393	163	61
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19	154	38	279	340	817	697	181	183	21	233	54	279	79
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35	14	0	2	0	0	0	0	1	2	8	0	2	11
36	0	1	0	1	0	2	1	4	3	0	9	1	2
37	0	0	0	0	0	0	0	4	0	4	35	2	0
38	0	46	0	17	10	5	13	9	0	24	4	1	0
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43	13	4	44	18	10	3	2	6	19	11	2	1	38
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45	10	22	21	10	1	4	21	51	23	37	5	10	19
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48	42	56	57	25	7	3	68	11	0	12	23	2	52
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40	15	3	6	6	5	0	1	0	0	0	0	0	0
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33	47	29	96	22	80	12	18	80	56	16	36	53	21
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43	0	6	7	1	9	5	1	0	0	3	0	1	101
44	16	3	2	9	6	2	7	4	11	9	0	7	8
45	0	5	4	5	0	16	1	37	9	0	11	19	0
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21	29	7	68	122	11	25	29	23	4	133	208	82	23
22	74	4	43	11	4	14	13	12	32	20	28	115	27
23	0	0	3	1	0	2	2	1	0	2	2	1	0
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25	0	0	18	4	1	19	0	0	1	32	17	11	11
26	0	0	2	0	3	2	0	0	0	9	0	31	1
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29	0	0	0	0	0	0	0	11	4	0	1	0	0
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38	0	0	0	1	0	9	0	7	1	1	0	0	0
39	0	0	0	0	0	0	0	1	0	0	0	0	0
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43	1	4	1	2	0	0	1	0	2	1	0	0	0
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50	95	6	164	42	13	49	41	18	624	416	15	25	17
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55	44	0	0	6	11	40	13	41	2	67	58	73	5
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21	0	0	2	8	0	0	0	3	0	0	4	1	0
22	11	1	33	16	4	4	105	10	19	52	19	21	39
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24	182	26	41	13	9	54	1	6	0	63	16	52	59
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45													
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4	T2-604	T2-603	T2-663	T2-664	T2-662	T2-616	T2-610	T0-501	T0-504	T0-507	T0-512	T0-526	T0-530
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28	15	25	98	235	120	24	4	27	65	75	32	597	32
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53	36	14	0	19	0	7	0	11	3	0	4	0	523

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39	27	7	3	0	0	2	0	6	0	2	1	27	1
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53	0	0	0	0	201	0	50	2	6	0	0	0	0

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22	203	32	219	25	84	97	100	132	115	129	164	67	56
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35	0	0	8	33	119	74	82	42	64	59	237	6	106
36	0	0	0	0	5	1	3	2	9	4	35	0	7
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41	1	1	1	2	0	16	32	11	19	1	38	18	27
42	0	0	8	1	10	0	0	0	1	7	4	1	0
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45	0	0	0	0	0	0	0	0	0	0	0	0	7
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33	0	0	37	17	29	29	17	2	0	0	10	18	0
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38	29	3	0	0	0	0	0	2	0	0	0	11	1
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41	1	0	3	0	0	3	0	5	0	0	2	8	0
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47	16	0	7	0	0	2	0	0	0	0	12	0	0
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32	3	1	12	3	1	2	2	22	0	4	3	229	17
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37	109	127	159	193	36	61	8	1	0	142	1	0	0
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6	92	4	26	0	9	0	0	44	0	39	9	6	14
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25	128	229	14	12	8	305	27	17	216	17	236	61	8
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22													
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25	21	47	27	210	125	1	39	39	19	21	32	28	6
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29	426	403	303	724	352	130	115	661	0	156	11	84	28
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32													
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37	0	0	1	2	0	19	93	0	0	27	0	0	0
38													
39	15	9	0	3	0	3	0	21	0	6	7	3	3
40	0	2	0	0	0	0	0	0	0	0	1	0	82
41	6	26	2	0	0	3	0	0	0	0	0	1	0
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43	0	0	1	0	0	0	1	0	0	0	0	0	0
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45													
46	0	0	0	13	0	0	9	14	134	0	2	2	3
47	2	38	0	128	1	39	342	3	32	4	77	1	56
48	5	0	84	442	14	6	43	2	8	0	0	0	9
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57	10	3	53	17	28	34	7	22	1	5	100	19	42
58	12	3	7	4	20	43	1	6	0	1	18	5	31
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60	0	1	2	0	1	3	0	0	0	0	2	2	3

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2	0	0	0	0	5	1	1	1	1	0	0	0	8
3	0	0	0	0	2	0	0	0	0	0	0	0	6
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5	7	1	6	4	9	15	1	13	3	5	11	6	37
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9	29	46	18	14	53	30	2	2	0	3	4	5	14
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13	0	0	0	0	0	0	0	1	0	0	2	0	0
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18	0	0	1	0	0	0	0	0	0	0	0	0	0
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22	91	119	529	189	36	17	33	0	0	47	2	7	18
23	0	1	12	11	1	1	1	0	0	2	0	0	1
24	0	1	8	0	0	3	0	0	0	3	0	0	0
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27	137	169	164	348	156	74	100	129	60	74	40	61	65
28	1	0	6	3	1	2	1	5	7	30	2	0	4
29	0	0	0	0	0	0	0	2	0	1	0	0	0
30	22	16	14	83	3	5	1	12	0	5	3	7	6
31	82	43	100	410	28	145	8	66	1	33	48	310	17
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38	5	4	20	138	74	18	28	15	51	21	21	105	50
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41	29	5	58	62	24	46	1	8	29	29	32	11	101
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44	0	1	0	14	0	1	5	0	5	0	1	0	0
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46	18	8	3	65	6	19	0	6	2	9	3	5	8
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49	0	0	4	15	114	12	33	3	28	20	28	5	0
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1													
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7	425	10	82	23	72	86	11	186	0	0	0	29	7
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24	68	9	31	2	652	234	3435	466	89	17	184	104	221
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27	28	0	15	0	37	118	134	5	10	0	3	65	0
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29	1	0	1	0	1	1	0	0	0	2	22	1	5
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33	4	0	9	0	0	5	21	0	2	0	0	0	0
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44	0	0	0	0	2	0	10	0	0	0	0	0	0
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46	0	1	0	1	0	0	21	1	1	1	0	1	3
47	0	1	2	7	0	12	5	0	0	0	0	0	0
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49	0	141	179	52	7	98	200	15	97	64	524	18	17
50	0	6	1	40	60	5	27	2	14	22	2	2	0
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54	0	0	0	16	297	0	277	1	0	0	0	0	30

1													
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6	0	16	3	7	0	9	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	0	0
8													
9	212	47	83	27	30	257	127	1	30	1071	220	1	2
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14	0	0	0	0	0	0	0	0	0	0	0	3	60
15													
16	26	8	20	8	118	40	1	3	6	4	0	10	72
17	191	33	78	468	1324	97	3	28	12	108	150	174	817
18	0	0	2	0	1	0	0	3	0	3	0	1	1
19	1	0	7	1	30	9	0	4	0	6	2	11	30
20	80	33	244	51	798	228	1	65	14	308	70	423	839
21	2	0	5	5	14	5	0	0	0	2	1	8	4
22													
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25	62	16	36	184	456	46	0	3	1	10	43	19	189
26	0	0	0	1	7	1	3	1	4	3	2	6	273
27	0	0	0	0	0	0	0	7	1	1	1	4	92
28	0	0	0	0	49	0	0	20	13	0	2	55	1047
29	9	0	0	0	10	0	1	2	0	0	0	10	52
30	0	0	0	0	0	0	0	0	0	0	0	5	48
31	0	0	0	0	0	0	0	0	0	0	0	0	0
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33	0	0	0	2	0	0	0	0	0	0	0	0	0
34	0	0	0	8	0	0	0	0	0	0	0	0	0
35	0	0	1	3	4	0	12	0	0	0	0	5	0
36	0	0	6	0	4	5	2	1	4	0	7	0	0
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40	6	0	5	0	0	5	2	0	0	3	0	0	0
41	6	3	4	12	1	5	1	2	8	1	3	3	3
42	0	11	0	0	3	0	7	0	0	0	0	0	0
43	0	11	5	2	1	0	0	0	0	0	0	0	1
44	0	0	0	0	1	0	0	0	0	0	0	0	0
45	0	0	0	0	0	1	0	0	1	0	0	0	1
46	2	0	4	15	0	0	1	0	0	0	0	0	6
47	0	1	4	1	0	0	1	1	0	0	2	4	3
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49	2	10	12	14	1	1	4	2	8	2	4	0	3
50	0	0	1	0	0	0	0	0	0	0	3	0	0
51	5	6	26	25	6	3	0	0	0	0	0	2	2
52	13	3	1	0	0	0	0	5	43	0	0	0	3
53	2	1	2	8	0	0	1	2	3	0	0	0	0
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55	0	1	0	1	0	0	0	0	0	0	0	0	0
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57	0	0	0	1	1	0	1	2	4	2	0	0	1

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3	1	1	2	9	0	0	0	4	13	5	5	2	7
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7	2	0	4	0	10	0	0	2	8	1	1	0	0
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9													
10	0	0	1	10	1	0	1	1	3	0	1	0	2
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13	0	0	0	17	0	0	1	0	2	1	0	0	0
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16	5	0	6	0	0	0	0	0	0	0	0	0	0
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19	0	1	2	5	0	0	0	0	0	0	0	0	0
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21	0	0	0	0	0	0	0	0	0	4	0	0	0
22	12	0	5	196	8	0	0	0	1	6	1	0	0
23	0	0	0	56	0	1	0	1	1	2	1	0	0
24	0	2	4	4	0	0	0	0	0	1	1	3	0
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27	0	0	0	0	9	0	3	0	1	29	4	0	0
28	0	0	0	16	0	0	1	0	0	1	0	0	0
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30	0	0	1	0	0	0	0	0	0	1	10	0	1
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32	0	0	0	0	0	0	0	0	0	1	2	0	6
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35	0	0	0	0	0	1	0	0	0	0	0	0	0
36	0	0	0	0	1	0	10	8	2	4	0	0	827
37	0	0	0	0	0	0	1	0	1	0	1	0	6
38	0	2	1	2	1	1	0	1	1	1	0	2	3
39	5	1	0	6	6	0	1	0	0	2	1	1	0
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41	1	1	6	2	5	13	4	0	0	0	0	4	2
42	0	0	1	0	5	0	2	0	0	1	2	24	7
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44	6	11	1	7	1	12	14	0	0	0	3	0	2
45	7	1	7	8	0	1	0	0	0	0	0	0	0
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55	2	1	9	29	0	3	0	0	2	0	2	2	0

1													
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3	4	14	85	473	66	25	20	2	7	10	2	8	1
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6	21	18	18	4	0	3	0	123	0	3	19	14	6
7	32	3	0	0	0	0	0	121	0	0	0	12	2
8													
9	119	69	1	1	0	1	0	17	0	0	3	10	1
10	233	20	7	16	4	12	0	10	0	2	25	8	2
11	324	380	253	9	179	99	112	1	0	4	1	0	0
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14	93	114	21	0	8	13	11	60	1	2	34	11	2
15	1	0	2	0	7	4	3	2	0	6	0	0	0
16	0	0	0	0	2	1	0	1	0	0	0	0	0
17													
18	11	15	53	44	434	130	54	49	5	93	6	6	0
19	1	43	182	42	73	100	18	130	1	293	26	14	21
20	0	0	1	2	0	0	0	0	0	0	1	0	0
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22													
23	1	0	8	0	0	1	1	0	0	0	0	0	0
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25	5	5	26	1	7	13	11	1	0	0	0	7	1
26	0	1	3	0	0	0	1	0	1	0	1	0	0
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29	0	1	1	10	1	5	16	0	0	0	1	4	5
30	0	0	0	17	6	3	2	0	0	2	0	3	0
31													
32	3	0	4	0	9	3	5	1	0	0	0	4	2
33	1	4	8	18	0	2	1	0	1	0	5	1	8
34	0	1	1	4	0	0	3	0	9	0	0	0	5
35	0	0	0	1	0	1	0	0	0	11	21	0	0
36	1	1	1	4	0	0	0	0	0	3	0	0	0
37													
38	4	19	8	46	1	7	55	9	38	9	32	5	175
39	0	7	0	7	0	1	11	0	3	1	11	2	3
40	1	1	0	4	0	0	1	1	3	1	1	2	2
41	0	2	14	14	0	2	0	27	1	39	86	2	0
42	0	0	1	1	0	0	0	3	0	0	8	0	1
43	7	6	13	15	0	2	17	0	5	7	0	2	0
44													
45	1	5	0	3	0	0	0	5	3	0	4	0	0
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47	2	1	0	8	0	0	0	2	0	2	0	0	0
48	0	0	0	2	0	1	0	0	0	0	0	0	0
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50	1	8	9	13	2	3	6	2	3	0	5	2	2
51	9	6	13	4	21	11	15	4	1	5	37	0	6
52													
53	2	0	0	1	5	1	1	0	1	4	10	0	2
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56	10	0	0	12	18	0	0	0	3	2	15	0	1
57	0	0	0	4	0	2	0	0	0	0	0	0	0
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60	0	2	0	0	0	0	7	1	0	0	1	3	4

1													
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3	17	0	0	0	0	6	2	4	5	0	6	2	7
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9													
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11	12	0	10	2	4	2	1	2	0	2	0	0	0
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14	20	0	131	22	6	92	34	6	2	36	9	9	2
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	T0-543	T0-544	T0-550	T0-545	NTC0	T0-556	T0-559	T0-563	T0-618	T0-602	T0-640	T0-642	T0-644
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29	5	206	0	8	0	7	2	4	21	1	67	387	12
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57	6	51	13	10	0	131	43	27	73	3	38	45	35
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25	7	38	11	13	0	114	43	17	50	6	73	84	137
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46	51	0	87	0	0	16	0	2	27	1	102	175	0
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52	33	182	165	24	0	2	10	1	25	109	0	16	20
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37	0	0	3	0	0	0	0	0	28	0	0	0	0
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28	2608	981	614	276	24	46	2	13	542	1320	297	1293	255
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32	36	18	6	4	0	3	1	2	0	24	13	7	33
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45	26	24	13	9	0	15	1	5	5	9	0	0	9
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26	97	166	484	143	4	63	16	11	222	46	130	846	315
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38	0	0	0	11	0	11	3	8	2	0	1	1	0
39	0	0	3	0	0	1	2	0	2	0	0	0	0
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41	9	0	0	0	0	23	4	4	2	0	3	7	20
42	0	0	0	0	0	0	0	0	1	0	0	2	0
43	0	0	2	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	3	0	17	3	0	6	10	0
45	4	0	0	0	0	1	1	2	11	0	4	0	0
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47	1	0	0	9	0	0	0	50	1	0	0	0	0
48	14	9	1	70	0	20	91	33	13	0	97	36	38
49	0	1	0	0	0	2	10	0	1	0	6	2	1
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55	5	1	0	27	0	170	75	99	59	0	49	14	43
56	0	0	1	28	0	80	60	13	22	2	3	2	23
57	0	0	0	2	0	11	10	1	1	0	1	2	1
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1													
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9	3	9	7	4	0	17	5	7	9	2	24	27	17
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12	0	0	2	33	0	21	33	0	15	0	0	0	6
13	2	0	0	0	0	0	0	0	0	0	0	0	3
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15	32	0	1	544	1	39	72	318	255	1	137	146	121
16	0	0	0	7	0	1	0	0	3	0	1	7	0
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21	13	12	3	14	0	11	0	2	28	1	49	99	1
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26	18	105	82	28	27	37	6	13	67	38	115	214	43
27	1	0	3	0	0	4	0	0	1	0	14	30	10
28	2	1	0	0	0	0	0	0	1	0	1	13	2
29	11	31	40	10	0	1	1	4	7	9	12	54	13
30	40	163	115	52	12	16	18	33	109	34	76	85	76
31	0	12	2	1	0	1	1	2	2	1	0	3	2
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38	0	2	0	0	0	0	0	0	1	0	1	1	0
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40	3	9	0	101	0	16	68	62	34	1	19	13	7
41	0	0	0	0	0	0	0	0	0	0	0	0	0
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53	0	0	1	0	4	0	1	0	0	0	0	0	0

1													
2	0	123	0	0	0	2	24	4	1	0	3	4	4
3	0	0	0	2	0	0	4	32	1	0	0	0	0
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9													
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15	7	0	0	4	0	0	15	1	0	0	0	3	0
16													
17	10	0	0	2	0	0	29	2	1	0	0	2	0
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19	27	0	0	1	0	0	11	3	0	0	0	0	0
20	4	0	0	1	0	0	10	2	0	0	0	2	0
21													
22	65	27	8	6	301	107	128	13	52	8	2	2	88
23	13	2	2	3	41	0	1	3	11	1	0	4	13
24	3	5	0	2	39	0	1	1	7	1	0	1	55
25	5	1	2	0	37	0	0	0	3	0	0	0	11
26	8	1	1	0	40	0	2	2	3	0	0	1	11
27	2566	1212	246	593	17786	321	277	469	1099	21	38	262	4662
28	10	3	0	3	30	4	1	0	2	0	0	1	11
29													
30	54	24	10	13	385	8	0	8	17	1	0	1	104
31	1	26	0	2	0	1	7	18	6	1	2	0	15
32	0	0	0	0	0	3	0	11	1	0	0	0	0
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35	19	0	0	4	0	3	0	0	5	108	1	0	0
36	20	5	7	25	0	11	3	14	22	93	4	0	13
37	0	36	0	0	0	4	0	0	3	0	61	112	0
38													
39	0	8	17	0	0	9	11	23	9	0	1	3	16
40	2	163	113	10	0	3	0	3	34	6	6	0	3
41	0	3	2	6	0	3	0	1	6	3	14	0	0
42	0	0	1	0	0	0	0	0	1	1	2	7	0
43	0	12	0	1	0	18	2	3	2	0	27	0	8
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45	0	0	0	0	0	0	0	0	0	0	0	0	0
46													
47	0	2	7	23	0	2	29	1	28	0	2	4	1
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51	0	0	0	1	0	0	1	0	0	0	8	3	0
52													
53	5	11	0	67	0	6	0	0	1	0	9	120	3
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56	7	64	0	25	0	7	13	24	24	0	94	11	25
57	0	4	2	8	0	9	12	30	4	0	68	0	29
58	0	0	0	0	0	0	0	0	0	0	0	0	0
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60	2	13	0	58	0	0	16	223	2	0	11	9	1

1													
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9	0	0	0	0	0	0	0	0	2	0	0	0	0
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15	485	59	117	1097	0	378	263	1124	142	42	79	14	177
16	5	1	0	4	0	4	4	8	3	0	3	0	0
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18	1498	133	329	1247	0	1160	743	1720	393	123	220	4	117
19	20	0	6	11	0	18	9	23	4	4	0	0	0
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21	99	0	6	5	0	0	0	0	13	2	0	0	0
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23	0	0	0	0	0	2	2	0	65	2	9	0	1
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26	0	0	0	0	0	18	83	19	7	0	0	0	0
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37	2	0	0	6	0	2	15	4	6	1	14	1	3
38	2	0	5	0	0	0	0	0	0	0	0	0	0
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43	4	1	3	0	0	13	4	10	4	0	13	1	0
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47	1	5	4	2	0	4	1	6	21	0	29	28	6
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1													
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19	0	0	0	0	0	0	0	0	0	0	0	6	0
20	0	0	0	0	0	0	1	0	0	0	0	0	0
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25	0	0	0	0	0	1	0	16	0	0	18	2	0
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37	2	0	0	36	0	20	0	139	5	0	1	2	0
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39	1	3	0	0	0	0	2	5	0	0	0	1	2
40	2	0	4	9	0	4	0	0	7	2	1	1	2
41	0	1	2	0	0	0	0	0	0	0	0	0	0
42	11	0	0	3	0	0	0	2	0	0	2	1	0
43	0	0	0	2	0	0	0	0	6	0	2	3	0
44	0	0	0	0	0	0	0	0	2	0	0	0	0
45	0	0	0	0	0	4	1	3	0	0	0	0	0
46	0	0	0	1	0	0	0	0	0	0	0	0	0
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48	2	26	0	0	0	0	2	5	3	1	0	0	0
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55	0	1	0	0	0	0	0	1	0	1	4	1	0
56	0	2	0	0	0	0	0	0	1	3	1	1	1

1													
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3	14	28	215	2	7	5	0	4	12	5	17	4	24
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16	8	22	24	3	7	79	66	13	44	81	47	10	42
17	9	61	43	14	22	189	210	19	118	150	72	28	108
18	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	1	1	0	6	2	1	0	0	0	1	0
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21	8	0	2	0	0	0	1	1	0	0	2	6	0
22	10	1	0	0	0	0	0	0	2	0	0	0	0
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24	3	1	5	0	0	2	0	3	3	0	5	2	0
25	109	25	5	5	0	3	4	4	9	2	12	25	2
26	4	3	0	2	0	0	1	0	1	0	1	5	0
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28	12	0	0	0	0	1	0	0	0	0	1	2	0
29	4	5	0	1	0	1	2	3	1	0	19	14	0
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31	0	0	0	0	0	0	1	0	1	0	0	0	5
32	0	0	0	0	0	2	0	1	1	0	8	7	0
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36	2	0	5	0	16	2	1	0	1	0	3	0	2
37	0	0	0	0	0	0	1	0	0	0	0	0	0
38	0	0	0	0	0	0	2	0	2	0	16	4	4
39	0	1	0	0	0	0	1	0	0	0	11	0	0
40	0	0	0	0	0	0	0	0	0	0	3	0	0
41	2	0	0	0	0	3	0	0	1	0	6	1	0
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44	1	0	0	1	0	1	0	5	3	0	0	1	0
45	2	1	0	9	0	9	22	18	9	0	1	1	11
46	1	0	0	0	0	3	7	2	2	0	1	0	0
47	0	0	0	0	0	5	14	2	6	0	2	1	2
48	0	1	0	0	0	0	0	0	0	1	0	1	0
49	0	0	0	0	0	13	1	15	0	0	5	0	1
50	0	0	0	0	0	0	1	0	0	0	0	0	0
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53	0	3	2	4	0	8	1	2	2	0	2	7	36

1													
2	0	4	2	0	0	0	0	0	6	0	2	0	0
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8	0	0	2	0	0	0	0	0	9	1	32	0	2
9													
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11	0	0	0	0	0	3	0	0	0	0	0	0	0
12	0	0	0	0	0	1	0	1	0	0	2	0	0
13	0	5	3	0	0	0	0	3	5	1	7	0	0
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15	0	0	0	0	0	3	0	3	1	0	0	0	0
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17	0	0	0	2	0	0	0	0	7	0	1	3	0
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19	0	0	0	0	0	0	0	0	0	0	0	0	0
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22	0	0	0	0	0	8	4	11	0	0	1	0	1
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55	1	1	0	0	0	0	1	0	0	0	2	0	0

1													
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17	5	0	0	0	0	4	0	0	5	0	19	13	25
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19	0	0	0	0	0	1	0	0	1	0	23	8	7
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22	1	0	0	0	0	2	0	1	2	0	10	5	1
23	0	0	0	0	0	0	0	0	1	0	3	0	0
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32	0	1	3	0	0	1	0	0	0	0	0	7	0
33	0	7	41	1	0	6	0	0	4	0	0	116	0
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37	0	0	0	0	0	1	0	1	3	0	0	1	0
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43	0	2	1	0	0	0	0	0	0	1	1	3	0
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46	0	0	0	0	0	0	5	0	4	0	1	0	0
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16	1	7	3	21	0	5	11	8	12	9	11	6	19
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18	5	24	6	6	3	5	112	37	46	14	76	4	98
19	1	10	6	2	5	3	7	1	8	0	6	5	11
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21	0	5	2	7	0	0	0	0	6	0	0	0	1
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23	0	5	2	1	0	8	5	6	6	0	12	5	8
24	2	4	0	0	0	1	0	2	19	1	18	27	4
25	9	9	313	2	0	52	8	6	41	1	76	287	56
26	0	1	8	0	0	0	0	0	0	0	2	7	0
27	13	123	22	5	0	6	0	9	46	57	18	29	26
28	16	27	35	11	0	3	0	0	17	10	0	71	1
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30	0	12	25	7	0	92	25	115	30	5	40	15	15
31	0	0	0	0	0	1	0	0	0	0	5	0	0
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33	4	2	2	32	11	34	50	75	44	0	14	33	18
34	1	1	9	6	0	7	8	4	45	0	22	19	3
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36	1	15	1	0	0	31	4	10	31	1	7	106	12
37	0	2	6	6	0	3	15	0	8	23	1	4	2
38	0	1	1	0	0	0	3	1	1	6	1	0	1
39	1	0	0	3	0	15	6	7	3	0	41	1	14
40	0	0	0	0	0	0	1	0	2	0	5	0	1
41	0	0	0	15	0	33	6	2	1	0	0	5	0
42	4	3	3	0	0	1	0	0	4	35	14	1	2
43	4	2	0	20	1	41	20	2	17	1	57	4	40
44	1	0	0	0	0	0	0	0	84	0	1	0	1
45	1	2	17	5	0	22	0	5	6	0	21	17	7
46	0	0	0	0	0	0	0	1	4	0	0	5	8
47	0	0	0	2	0	0	1	0	0	2	1	1	1
48	0	1	0	0	0	0	0	0	0	0	3	0	0
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53	0	0	0	4	0	1	18	5	0	0	0	4	10

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4	149	0	6	0	0	0	0	0	12	3	0	0	0
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6	0	3	0	0	0	0	0	0	2	0	0	0	0
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12	0	0	11	1	0	1	1	1	1	0	16	0	2
13	0	0	0	0	0	4	1	0	0	0	1	0	0
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19	0	0	0	0	0	1	0	0	0	0	0	0	0
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21	0	4	0	14	0	14	3	2	31	4	0	4	7
22	0	1	0	0	0	0	1	0	2	0	0	0	0
23	0	2	0	1	0	0	14	0	1	0	2	27	0
24	0	0	0	0	0	0	0	0	1	0	0	0	0
25	0	0	0	0	0	0	0	0	2	0	11	0	7
26	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	4	0	0	0	0	0	0
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29	7	36	2	7	0	15	1	0	3	0	11	0	0
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32	0	1	0	1	0	3	5	0	2	0	2	0	0
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35	4	6	21	30	0	34	1	2	113	1	25	82	8
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37	3	2	0	25	0	10	4	15	2	0	2	13	0
38	0	0	0	0	0	3	1	4	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0	0	2	0	0
40	4	7	6	3	0	0	0	0	2	8	0	3	8
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45	0	1	13	0	0	0	0	0	0	0	0	0	0
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47	0	0	0	0	0	1	0	0	3	0	2	0	3
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52	0	0	0	1	0	3	2	1	4	0	8	2	0
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55	0	2	2	2	0	0	1	1	0	0	1	1	1

1													
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9													
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14	0	0	1	0	0	6	0	4	1	0	1	1	0
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16	0	0	0	0	0	0	0	2	1	0	3	7	2
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18	0	6	5	1	0	0	1	0	5	0	0	3	0
19	34	3	3	0	0	0	0	0	19	28	19	24	1
20	2	0	0	0	0	0	0	0	1	0	0	4	2
21	15	2	3	0	0	0	0	0	4	0	1	8	1
22	33	6	5	0	0	0	0	0	4	2	0	9	1
23	555	90	81	5	0	1	0	1	62	44	23	256	13
24	0	2	0	1	0	1	0	0	0	0	2	0	4
25	0	3	0	6	0	2	0	4	1	1	19	0	6
26	23	1	94	0	0	3	10	0	41	0	100	33	148
27	4	4	25	0	0	2	0	0	1	1	36	29	2
28	0	3	0	15	0	15	19	9	3	0	21	5	6
29	2	2	7	0	0	1	0	5	13	15	26	66	4
30	2	0	1	0	0	0	0	0	0	0	0	0	0
31	22	14	7	7	0	0	12	6	5	23	14	32	1
32	4	31	7	2	0	4	0	0	7	18	22	1	1
33	0	7	0	0	0	0	0	0	1	1	0	3	2
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37	1	0	0	0	0	1	0	4	0	0	0	1	0
38	5	1	4	10	0	4	1	4	6	0	3	10	3
39	0	0	0	26	0	17	4	11	1	0	5	16	8
40	0	0	0	0	0	0	0	0	0	0	2	0	0
41	0	0	0	0	0	0	1	0	1	0	1	0	0
42	0	3	4	0	0	3	2	10	2	0	29	18	1
43	0	2	0	0	0	13	1	6	3	0	0	2	8
44	0	0	0	0	0	0	0	0	0	0	0	0	11
45	0	0	0	0	0	5	30	1	1	0	0	0	7
46	0	2	0	0	0	6	0	0	2	0	1	0	1
47	0	2	1	0	0	0	0	0	0	0	3	0	0
48	0	0	0	1	0	1	5	1	3	0	1	0	5
49	4	20	7	16	0	67	572	61	23	1	41	2	27
50	0	0	2	2	0	5	22	3	2	1	4	0	0
51	0	1	0	0	0	6	30	7	6	1	5	0	2
52	1	62	21	61	0	203	843	125	62	13	39	3	36
53	0	0	1	0	0	4	14	4	0	0	1	0	0
54	0	2	0	0	0	2	14	1	2	0	2	0	0

1													
2	0	0	0	0	0	31	42	55	18	1	3	2	21
3	0	2	0	0	0	4	12	3	0	0	1	0	0
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7	11	6	1	0	0	0	0	0	1	5	0	0	0
8	6	16	2	2	0	0	0	0	1	0	5	2	3
9	15	5	2	2	0	0	0	1	1	4	1	5	1
10	50	435	151	130	1	8	4	1	62	182	27	43	54
11	1	10	6	3	0	0	0	0	2	2	0	2	1
12	21	4	5	5	0	3	0	0	1	2	8	4	3
13	479	173	79	52	0	13	18	1	70	29	156	30	32
14	4	9	0	10	4	129	69	26	13	7	9	19	19
15	5	8	8	1	0	38	6	4	10	4	8	3	5
16	2	0	1	1	0	5	0	6	0	0	4	0	0
17	0	7	0	1	0	2	2	2	2	23	1	0	2
18	0	2	1	1	0	0	0	1	0	6	13	0	5
19	15	31	2	13	2	215	91	31	42	26	5	26	45
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30	7	12	70	0	0	0	0	0	16	2	0	0	0
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32	0	1	0	5	0	24	30	12	18	0	3	0	0
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34	1	0	0	0	0	2	0	0	1	0	0	0	0
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37	0	0	0	0	0	0	0	0	0	0	1	0	0
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40	0	2	2	0	0	1	4	1	0	2	0	0	0
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42	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	1	0	2	0	0	1	0	0	0
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50	0	0	0	0	0	23	56	5	0	0	0	0	11
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17	1	0	0	0	0	0	0	0	0	0	4	0	0
18	0	1	3	0	0	0	0	0	1	0	0	0	0
19	6	15	14	0	0	2	0	0	3	0	3	3	0
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21	0	1	5	0	0	0	0	0	7	0	1	0	0
22	16	28	32	7	0	1	1	3	49	6	130	18	4
23	9	0	3	0	0	0	0	0	10	1	0	0	2
24	183	0	0	3	0	0	0	0	2	38	0	0	0
25	33	0	0	0	0	0	0	0	0	2	0	0	0
26	0	0	0	1	0	0	0	1	0	0	0	1	0
27	0	1	1	9	0	6	11	2	5	1	0	2	3
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29	0	2	0	1	0	4	2	0	0	1	64	0	0
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34	98	4	14	1	0	7	1	7	34	52	12	4	4
35	11	7	0	0	0	0	0	0	0	4	0	13	3
36	90	4	8	0	0	1	0	0	18	33	1	6	0
37	25	0	1	0	0	5	1	3	6	4	1	0	2
38	77	18	80	2	0	2	0	0	8	9	1	0	5
39	107	3	14	0	0	0	0	0	12	2	0	1	0
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42	2	0	0	0	0	1	0	0	3	1	4	7	0
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45													
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2													
3													
4	T0-658	T0-659	T0-664	T1-501	T1-507	T1-508	T1-512	T0-663	T1-513	T1-525	T1-526	T1-527	T1-528
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25	7	49	4	1	0	115	14	9	1	1	0	48	0
26	5	0	6	0	13	0	0	0	0	20	0	33	0
27	142	3	75	42	4	25	4	3	51	4	5	262	0
28	229	3	186	95	7	43	2	5	91	8	19	411	0
29	2	34	146	0	0	0	0	4	0	33	0	28	0
30	0	1	0	0	6	0	0	0	5	8	0	0	0
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32	2	7	8	1	17	0	11	1	3	19	2	6	0
33	1	8	3	0	5	3	9	0	0	4	0	11	0
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37	1	2	0	1	0	42	69	6	0	0	0	3	0
38	3	0	5	1	6	0	1	2	2	37	3	1	1
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50	2	0	5	0	0	8	0	28	1	1	21	14	0
51	0	0	0	0	0	4	0	21	0	0	12	4	0
52	7	0	24	0	0	0	1	795	1	0	0	3	86
53	47	4	7	7	17	0	149	1	0	30	0	26	31

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19	0	0	1	0	11	0	0	0	0	0	0	0	0
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21	3	0	0	0	0	0	15	0	0	5	0	27	0
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24	8	1	2	0	11	8	15	19	11	12	15	31	0
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36	9	0	9	1	4	0	8	61	1	1	11	9	0
37	5	0	8	3	0	1	0	26	0	0	2	1	0
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39	1	1	4	14	0	5	17	2	14	0	0	0	0
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41	0	0	0	0	4	1	0	0	5	1	0	0	2
42	4	0	3	0	3	6	0	8	0	2	2	1	0
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45	3	2	2	0	79	0	36	0	0	85	0	10	0
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53	0	56	3	0	0	0	2	0	0	0	0	0	0

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7	0	0	0	9	0	0	0	0	2	0	4	0	0
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9	0	0	0	0	1	0	0	0	0	1	0	0	0
10	0	7	0	0	0	0	0	1	0	10	0	7	0
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13	546	21	71	3	1	8	8	672	112	1	16	33	0
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15	0	0	0	0	0	0	0	0	0	0	0	0	10
16	6	19	3	9	0	4	2	0	1	2	6	2	0
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18	0	0	0	0	0	0	0	0	0	0	0	41	0
19	0	0	0	4	0	11	2	0	0	0	1	0	0
20	125	107	243	132	27	264	149	167	146	211	250	227	272
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23	0	1	1	0	3	2	6	0	8	0	0	0	0
24	2	4	0	5	0	0	2	0	0	0	0	0	0
25	14	88	17	4	0	3	0	4	0	0	0	0	0
26	1	2	6	439	0	707	93	0	0	0	0	9	0
27	0	0	0	0	0	0	0	0	0	0	0	0	5311
28	3	0	6	3	56	0	6	0	0	0	2	0	0
29	0	0	0	1	0	2	0	0	2	0	0	4	0
30	0	31	8	0	0	34	0	258	0	11	24	77	0
31	4	20	14	0	0	0	0	0	0	0	0	7	0
32	20	27	7	0	0	0	3	0	0	0	0	4	0
33	306	254	123	77	34	71	9	50	8	13	0	118	1
34	4	0	6	1	0	0	3	1	0	0	0	2	0
35	0	0	0	0	0	0	0	0	0	0	0	0	1073
36	19	40	110	5	0	2	2	25	1	15	0	37	0
37	16	18	29	2	20	3	9	6	17	21	3	14	0
38	7	77	145	0	0	5	0	18	0	74	0	66	0
39	7	2	7	8	1	3	7	1	0	16	3	10	0
40	1	3	8	2	4	1	9	1	0	4	0	0	0
41	2	2	5	1	4	1	4	2	0	1	2	0	0
42	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	8	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0
45	4	1	9	5	0	21	0	34	2	23	0	595	0
46	3	16	8	0	5	0	15	1	3	6	0	1	0
47	0	0	1	0	0	0	2	2	0	0	3	0	0
48	13	1	13	13	91	2	37	1	9	40	46	12	0
49	2	0	0	0	5	0	1	0	1	5	1	2	0
50	13	30	17	2	0	13	5	0	0	0	1	3	0
51	44	33	315	53	171	64	196	63	13	37	15	16	0
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9	15	9	44	4	22	20	3	70	16	12	41	22	0
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14	0	0	0	1	0	0	0	0	2	0	0	0	0
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24	76	16	155	14	28	11	36	545	7	42	12	143	0
25	102	35	422	23	132	68	174	383	16	77	12	77	0
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27	29	97	21	0	1	7	0	7	0	0	0	15	0
28	56	85	5	0	0	1	1	1	0	0	0	0	0
29	11	12	3	1	0	0	1	0	0	0	0	0	0
30	179	212	169	24	11	96	18	55	15	4	14	250	0
31	9	8	14	35	1	32	26	28	44	1	0	2	0
32	4	45	22	10	131	30	118	39	6	18	4	56	0
33	30	2	64	30	0	0	73	61	4	54	0	1	0
34	124	147	42	36	105	4	126	6	3	0	0	6	0
35	15	14	12	48	47	44	30	2	0	2	1	4	0
36	26	76	6	5	0	0	48	0	0	1	0	0	0
37	0	0	2	0	0	0	0	0	0	2	1	0	0
38	0	0	0	1	0	0	0	0	2	0	2	0	0
39	0	0	1	0	3	0	0	0	1	1	1	0	5
40	3	0	19	12	62	54	20	5	27	32	45	8	199
41	2	0	0	0	2	0	0	0	0	0	3	0	1
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46	6	0	9	0	167	6	35	41	16	3	187	209	2
47	0	0	0	0	2	0	0	0	0	0	6	3	0
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1													
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47	185	10	311	181	2512	192	1615	74	1437	1209	2934	1446	883
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55	2	0	2	0	4	0	2	0	4	1	10	2	0
56	0	0	0	0	0	0	0	0	0	4	1	0	0
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60													

1													
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6	0	0	0	0	0	0	2	0	1	3	1	0	0
7													
8	40	2	47	14	541	16	162	14	140	330	297	179	46
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11	48	7	85	59	1012	17	401	14	381	801	534	237	46
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21	0	0	0	1	7	0	4	0	0	0	3	1	2
22	1	0	1	4	22	2	5	1	6	12	20	2	2
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25	4	0	5	0	9	3	0	0	13	3	40	1	0
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28	1	0	4	0	1	0	21	0	0	2	12	2	0
29	2	0	1	0	0	0	5	0	0	0	9	0	0
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35	32	24	80	15	335	39	10	36	1	25	10	89	0
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40	0	0	1	0	0	0	50	1	66	0	14	0	0
41	0	0	0	0	0	0	20	0	23	0	8	4	0
42	22	8	32	15	205	17	54	13	261	743	580	177	63
43	0	0	0	0	0	0	0	1	0	0	9	0	0
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49	7	11	26	18	328	13	266	11	272	687	231	400	0
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56	0	3	9	2	2	0	0	2	0	0	0	1	0

1													
2	25	54	61	678	788	2570	61	84	599	1787	59	322	0
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7	0	0	3	0	1	0	0	0	0	5	2	2	0
8													
9	43	26	54	11	49	352	48	24	5	283	50	247	1
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11	0	19	0	0	0	0	1	0	2	0	0	4	0
12	10	5	2	18	0	0	11	0	0	0	0	9	0
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15	0	0	19	0	0	0	0	1	0	0	0	0	0
16													
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19	0	0	2	0	3	0	1	8	0	2	8	0	0
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22	0	0	1	0	5	0	1	1	0	2	14	0	0
23													
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26	6	0	8	0	21	0	1	3	3	6	93	0	12
27	0	0	0	0	0	0	0	0	0	0	1	0	3
28	0	0	3	0	0	0	0	0	0	0	1	0	0
29													
30	2	0	1	0	4	0	1	0	0	0	16	0	5
31	0	0	0	0	3	0	0	0	0	2	11	1	2
32	38	17	106	81	968	40	180	139	41	603	1855	40	2384
33	1	0	0	11	19	9	28	9	9	12	22	11	2
34	0	0	2	0	5	0	5	0	4	2	6	1	0
35	3	2	3	35	76	26	45	13	17	35	54	17	6
36	0	1	2	0	27	0	7	1	7	23	9	2	11
37	1	0	0	1	3	3	2	0	1	4	5	1	0
38													
39	13	8	23	3	30	4	83	1	7	32	3	32	0
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41	0	0	0	0	0	1	8	0	1	0	8	1	0
42	4	0	14	238	0	333	679	41	75	0	161	66	0
43	0	0	0	8	0	2	4	0	0	0	0	0	0
44													
45	0	0	0	4	0	6	7	1	1	0	1	1	0
46	0	0	0	0	0	0	0	0	0	0	4	0	0
47	329	18	10	209	23	29	13	2	12	11	61	994	0
48	9	0	1	6	1	0	0	0	0	0	1	20	0
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50	1	1	1	0	2	0	0	1	1	3	0	0	0
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52	1	7	2	0	2	0	0	1	1	2	0	0	0
53													
54	1	5	0	0	0	0	0	0	1	6	0	0	0
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60	0	1	1	0	2	0	0	0	0	12	1	0	0

1													
2	134	142	143	0	239	5	42	25	158	1368	167	54	103
3	0	0	0	0	0	0	0	0	0	10	6	5	2
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5	5	108	8	4	0	0	6	12	4	4	17	14	0
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8	20	31	10	0	14	0	16	6	13	95	2	1	9
9	15	48	11	24	130	0	26	4	27	269	6	10	93
10	3	27	0	20	67	0	10	0	41	3	1	9	78
11	0	1	7	0	0	0	0	2	0	72	1	0	0
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13	36	176	8	184	656	4	126	11	200	170	53	46	640
14	2	17	0	10	21	0	4	0	12	3	3	5	22
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16	1	1	0	1	4	0	3	0	1	5	0	2	1
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22	0	0	2	10	0	0	1	0	3	3	0	0	0
23	42	23	26	740	26	18	93	5	132	542	463	2	0
24	1	1	0	4	0	0	1	0	1	0	10	0	0
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26	0	0	1	5	0	0	0	0	0	0	2	0	0
27	0	0	0	0	0	0	2	0	1	4	4	0	0
28	0	0	36	0	2	0	2	0	4	4	0	0	1367
29	0	0	3	0	0	0	0	1	0	2	0	0	5
30	4	3	16	2	26	0	7	24	11	32	11	6	734
31	7	0	1	0	0	0	0	0	0	1	1	0	0
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33	54	5	10	1	40	0	8	2	1	4	19	10	0
34	0	5	40	0	0	0	0	0	0	0	0	0	0
35	18	20	47	3	511	4	1870	11	98	573	473	44	0
36	44	5	9	0	12	0	1	4	0	1	4	6	0
37	0	0	0	0	2	0	10	0	1	0	3	0	0
38	1	0	1	0	8	0	7	0	7	3	12	1	0
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42	256	253	223	9	771	84	30	8	56	0	8	9	0
43	0	8	0	0	26	3	881	0	168	0	1	0	0
44	4	55	22	2	3	1	1	10	0	0	2	85	0
45	0	0	5	0	1	0	2	0	1	0	0	0	0
46	4	0	12	16	24	0	0	7	24	0	35	0	0
47	14	37	240	1	289	131	299	27	153	111	154	135	1
48	0	0	3	0	0	0	0	0	1	0	0	0	0
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50	31	10	42	0	0	0	1	13	0	0	2	38	0
51	46	61	128	125	91	63	205	0	331	0	5	30	0
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1													
2	9	8	8	0	0	13	7	7	7	10	3	3	0
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7	1	0	1	0	0	0	0	0	3	0	3	0	0
8	0	0	0	0	1	0	0	1	0	2	0	0	0
9													
10	2	10	30	0	22	0	55	1	7	41	148	0	0
11	5	2	13	3	26	6	20	8	28	29	13	44	0
12	13	24	7	18	0	4	2	4	0	0	0	84	0
13	0	2	0	0	0	0	0	0	0	0	0	0	0
14	11	9	65	126	42	12	67	172	27	32	57	167	0
15	0	4	0	0	3	1	8	2	1	0	0	0	0
16													
17	7	10	23	2	0	0	5	4	0	0	0	1	0
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19	1	88	77	16	120	55	56	17	66	152	95	48	3
20	0	0	0	0	2	0	1	0	0	5	2	0	0
21	0	5	0	0	0	0	0	0	0	0	0	0	0
22													
23	1	81	19	0	125	102	92	2	72	77	8	0	0
24	41	23	71	0	6	2	27	164	1	41	25	27	0
25	92	9	17	0	0	2	53	111	145	42	80	184	0
26	1	0	3	0	0	0	1	3	0	0	0	0	0
27	1	0	3	0	1	0	3	4	1	0	6	3	0
28	2	0	4	2	0	0	0	0	0	0	2	2	3
29	195	6	200	157	141	109	215	531	288	348	731	398	154
30	0	0	0	1	0	0	0	3	1	2	1	0	0
31	0	0	0	1	0	0	0	3	0	1	0	1	0
32													
33	0	19	19	0	8	1	4	2	1	7	0	24	0
34	0	0	0	11	0	35	0	0	0	0	0	0	0
35	0	1	27	0	0	0	1	2	0	1	0	25	0
36	0	0	0	0	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0	0	0	47	0
38													
39	1	3	0	0	1	33	14	3	3	0	5	2	0
40	0	0	0	0	0	0	2	0	0	0	3	6	0
41	0	0	0	0	6	0	3	0	0	0	2	0	0
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43	0	0	0	0	0	0	0	4	0	0	0	0	362
44	0	0	0	0	0	0	0	0	0	0	0	3	363
45													
46	29	9	5	0	0	4	1	151	13	0	6	0	0
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48	3	2	38	1	0	0	0	5	37	0	65	0	0
49	4	1	13	0	0	0	0	6	0	0	0	0	0
50	196	208	31	22	2	2	10	55	14	4	5	0	0
51	1	4	1	0	0	0	0	0	0	1	0	0	0
52													
53	2	20	6	1	0	2	0	2	4	0	2	0	0
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55	0	51	0	0	0	0	0	0	0	0	0	0	0
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57	76	61	103	45	0	11	48	14	4	1	11	74	0
58	9	16	21	63	40	7	16	10	14	46	1	2	1
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48	166	17	24	81	5	0	17	43	51	23	9	27	0
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25	0	3	0	12	17	0	10	0	4	0	0	0	2
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27	102	817	123	7148	4983	45	1541	46	1007	22	21	3	1359
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35	5	1	2	0	3	2	16	0	1	0	0	1	16
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39	40	3	32	4	11	2	15	0	13	2	11	0	0
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45	0	0	0	0	0	2	0	0	0	0	1	4	0
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56	99	6	17	69	30	43	29	95	9	284	1	13	0
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18	131	32	356	21	171	19	743	33	659	289	272	16	3
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22	9	3	39	39	73	112	231	21	448	32	73	82	13
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39	9	5	76	1	1	95	0	135	2	4	13	75	0
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41	2	3	15	0	0	2	0	7	1	1	2	6	0
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45	4	16	18	14	34	16	11	2	14	4	0	13	0
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51	0	0	0	0	1	5	0	0	2	1	4	7	0
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1													
2	0	0	1	1	3	1	7	0	13	24	7	22	0
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8	0	0	1	0	0	0	0	5	0	0	2	2	0
9													
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15	4	1	14	0	0	16	0	4	1	4	11	0	0
16													
17	13	1	3	3	0	0	0	31	0	1	7	0	0
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19	3	1	0	0	11	1	0	7	2	0	0	0	0
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23	0	0	2	0	0	0	0	0	0	0	0	2	0
24													
25	9	0	9	5	0	32	5	12	7	5	1	0	0
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29	1	0	1	0	0	6	1	14	0	0	5	1	0
30													
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38													
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44	1	29	15	5	25	13	3	5	8	0	9	24	0
45													
46	16	1	10	0	0	5	0	34	16	2	14	3	0
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48	1	14	16	15	0	18	4	70	1	7	39	0	0
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51													
52	22	8	29	85	10	114	2	202	29	16	64	90	0
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57	0	1	2	2	3	9	0	1	2	1	4	0	0
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1													
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28	76	7	46	40	12	77	10	39	36	8	68	69	0
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1													
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7	2	16	15	44	0	15	35	1	5	7	4	44	0
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9													
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16													
17	7	4	19	7	11	27	22	12	11	54	22	15	0
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19	0	1	1	0	0	3	1	4	0	6	2	2	0
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21	2	2	3	12	3	2	2	1	9	4	6	12	0
22													
23	1	3	38	17	4	0	0	5	11	2	2	3	0
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25	0	3	6	4	7	1	0	7	6	3	4	4	0
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28	159	49	130	128	7	91	18	48	81	153	67	220	0
29	4	1	2	4	1	5	0	1	5	1	0	5	0
30	5	2	16	32	17	40	11	82	82	62	12	62	0
31													
32	0	0	10	23	25	17	20	5	22	30	11	22	80
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34	2	18	17	20	18	24	20	13	14	23	18	46	0
35	0	0	1	1	0	1	0	0	0	0	0	0	0
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37													
38	22	11	56	65	2	72	2	38	79	15	160	112	5
39	14	1	22	50	9	120	0	92	30	5	3	8	0
40	3	1	2	1	1	1	0	4	0	0	2	2	0
41	36	6	30	16	3	56	0	22	3	4	21	73	0
42	2	4	5	2	43	2	15	0	5	16	6	20	0
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44	0	51	12	6	3	0	6	1	16	9	22	4	0
45													
46	0	3	0	0	0	4	3	0	1	2	0	0	0
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49	3	213	39	128	176	402	225	47	128	76	38	75	0
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51													
52	35	0	38	8	8	25	1	66	11	0	12	4	0
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56	7	0	5	0	0	0	0	58	0	0	0	20	0
57	1	5	9	0	0	11	0	26	0	5	13	1	6
58	1	0	5	15	6	16	15	0	17	26	1	28	0
59	3	82	88	39	4	208	35	14	4	20	3	107	0
60	1	1	2	1	6	3	1	5	1	1	0	0	0

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23	0	0	0	0	0	3	0	0	1	0	0	0	0
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25	1	1	0	0	0	21	0	0	1	0	0	1	0
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27	138	19	155	4	0	215	15	469	168	30	140	126	0
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30	2	12	6	3	2	12	1	4	8	6	4	6	0
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42	31	1	2	18	15	5	2	17	0	30	11	29	0
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9													
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43	2	2	13	5	22	44	20	6	5	11	14	28	0
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51	12	0	10	3	4	0	3	1	2	3	1	0	0
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53	18	45	59	127	136	29	246	20	39	134	76	60	0
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55	1	3	0	2	3	0	0	0	2	0	3	1	0

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2	19	11	20	0	2	0	6	3	0	45	7	73	0
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8	0	0	0	3	1	0	2	1	0	0	1	3	0
9	1	0	2	1	0	2	2	0	0	1	0	2	0
10	10	0	16	45	97	12	167	4	39	145	40	132	2
11	0	1	1	0	1	1	3	1	0	2	2	4	0
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13	56	0	11	23	137	25	63	30	6	66	308	166	0
14	34	9	8	24	145	10	30	20	0	96	19	40	0
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45													
46													
47													
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59													
60													

	T1-544	T1-545	T1-553	T1-556	T1-562	T1-565	T1-549	T1-550	T1-600	T1-605	T1-609	T1-610	T1-612
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3													
4													
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27	1	0	0	4	2	6	0	0	0	9	0	1	13
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31	14	0	1	101	29	146	3	0	135	15	113	49	413
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51	0	0	0	3	27	11	0	0	0	0	0	44	8
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55	2	1	4	23	1	74	38	4	170	2	39	1	77
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25	4	0	0	11	25	1	5	4	31	12	6	13	19
26	4	0	0	12	0	0	2	0	49	1	38	0	0
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31	0	0	0	0	0	1	0	0	0	0	0	1	0
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47	0	8	17	0	0	0	2	0	2	0	1	0	0
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21	366	212	7	128	140	198	66	397	186	218	172	312	17
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26	0	56	0	0	0	0	0	0	5	4	0	23	5
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28	0	1	6	0	0	0	0	0	0	0	0	0	0
29	8	36	25	10	0	7	0	5	0	1	7	24	0
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31	0	0	0	0	0	2	0	0	0	0	0	34	0
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34	2	264	0	89	18	130	0	0	19	186	23	880	157
35	0	5	0	2	0	1	0	0	0	2	2	1	5
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7	6	0	12	136	23	78	0	1	438	134	9	62	415
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20	137	121	104	56	860	34	248	312	52	71	47	7	19
21	0	1	0	4	6	1	5	0	1	0	0	0	1
22													
23	2	2	3	1	4	0	9	8	4	0	3	0	0
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25	0	0	0	0	0	7	0	0	0	0	0	0	0
26	1	2	0	173	10	10	0	14	4	19	26	15	0
27	0	0	0	232	1	143	0	1	687	169	46	69	211
28	14	7	1	599	27	267	63	13	490	205	32	150	278
29	1	0	0	4	1	4	0	0	4	6	1	5	4
30	0	0	0	29	29	86	0	0	0	58	2	192	23
31	0	0	0	22	0	2	0	1	1	1	1	1	1
32	0	0	0	3	1	2	0	0	0	2	2	3	1
33	0	0	0	3	1	2	0	0	0	2	2	3	1
34	3	0	0	73	49	179	0	0	15	69	127	77	453
35	0	0	4	15	0	1	0	0	0	56	10	0	41
36													
37	16	5	1	201	8	174	3	16	94	96	69	87	175
38	0	0	0	56	7	90	0	1	42	70	20	121	136
39	0	8	2	17	13	54	0	0	134	13	44	99	49
40	0	5	0	205	14	82	0	0	13	31	26	47	39
41	0	233	0	26	1	292	0	0	0	54	0	1232	0
42	0	0	1	0	0	0	0	3	0	2	2	0	0
43	8	0	11	0	0	0	14	32	4	0	1	0	0
44													
45	2	1	1	4	0	1	0	3	0	2	5	0	1
46	51	79	100	98	38	161	31	110	7	38	288	43	17
47	1	0	0	1	0	2	0	0	0	0	0	0	0
48	0	1	0	30	14	14	10	23	56	22	59	28	23
49	0	0	5	0	0	0	0	0	0	0	0	0	0
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51	0	0	13	0	0	0	0	2	0	0	0	0	0
52													
53	60	0	2122	9	0	0	23	219	9	3	39	0	7
54	3	0	44	0	0	0	0	7	0	0	0	0	0
55	5	10	21	0	3	7	12	13	5	12	8	1	4
56	3	8	6	1	0	0	1	4	1	2	1	0	1
57	0	3	0	0	0	0	2	5	2	0	0	0	0
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60	4	5	4	0	0	0	3	3	0	2	0	0	0

1													
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4	519	998	781	26	192	151	1125	1437	188	221	322	155	153
5	4	10	15	0	4	0	6	10	4	2	3	1	2
6	8	8	8	0	1	4	14	17	6	1	4	2	0
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9	0	0	1	3	0	0	0	0	2	5	7	4	8
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19	26	0	5	0	0	0	0	2	22	0	19	0	0
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22	0	0	0	2	0	1	14	0	21	9	3	0	1
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26	1	0	5	0	0	3	5	1	0	5	8	1	3
27	23	8	59	3	1	1	32	36	21	28	11	3	3
28	27	8	68	1	1	2	41	56	13	24	11	4	0
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42	1451	749	4704	505	364	307	1033	2972	610	1002	2987	342	888
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49	0	0	1	0	1	0	1	11	0	0	1	0	0
50	6	1	8	2	0	0	5	8	1	0	2	0	0
51	3	0	0	0	0	0	0	4	0	0	0	0	0
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53	13	1	0	3	0	0	1	3	0	0	9	0	4

1													
2	1	3	1	0	0	0	0	7	1	0	0	0	0
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6	2	1	0	0	0	0	3	9	1	0	2	0	0
7													
8	251	223	508	41	73	38	353	688	105	96	309	12	76
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10	93	46	49	2	5	1	121	343	16	7	32	0	0
11	1072	640	1344	63	138	54	1078	2777	337	257	421	29	58
12	0	0	5	0	0	0	0	0	0	0	0	0	0
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19	1	2	4	0	0	0	1	1	2	0	3	0	1
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21													
22	17	13	47	4	2	4	17	32	4	6	16	3	3
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24	4	5	15	1	0	1	4	14	0	4	4	0	4
25	4	12	11	3	2	0	7	24	4	6	13	0	1
26	0	1	8	0	0	0	0	1	0	0	4	1	0
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35	0	52	0	116	114	25	11	4	78	40	3	21	156
36	0	1	0	1	1	0	0	0	1	1	0	0	2
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38	0	5	1	0	0	0	3	3	0	0	1	0	0
39	1	8	2	0	0	0	0	3	0	2	1	0	0
40													
41	52	11	28	1	0	0	1	72	11	0	155	0	0
42	10	11	7	1	0	3	0	20	4	2	48	0	0
43													
44	660	2168	513	136	239	392	597	638	151	366	372	111	118
45	1	7	0	1	1	1	3	2	0	0	1	0	0
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47	6	15	9	2	1	4	1	4	3	11	10	7	0
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49	1	0	9	1	0	0	3	13	1	5	13	0	1
50	0	0	1	0	0	0	0	0	2	2	1	0	0
51													
52	129	154	271	96	27	27	166	379	114	279	490	17	1
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55	3	4	0	7	63	1	4	0	7	397	107	12	168
56	0	0	0	1	0	0	1	0	3	3	0	0	0
57	0	3	0	0	3	0	10	1	15	2	0	0	0
58	0	1	0	0	0	0	6	1	7	0	0	0	0
59	0	0	0	5	0	0	5	0	18	3	0	0	3
60													

1													
2	12	85	18	260	613	128	1340	63	1796	429	73	18	74
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7	0	0	0	0	0	0	0	0	0	0	0	2	1
8	5	20	0	0	15	115	37	3	11	101	22	61	154
9	0	0	0	19	0	110	0	0	5	8	0	0	7
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13	20	49	0	107	34	42	57	25	13	117	149	109	129
14	0	0	0	0	1	1	1	0	0	1	0	0	3
15	0	0	0	8	1	13	0	0	0	0	0	0	0
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20	0	6	5	0	0	1	4	6	0	4	0	0	1
21	2	0	0	0	0	0	2	4	1	1	1	0	0
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24	0	7	1	0	1	1	1	0	0	0	0	0	0
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26	0	10	4	0	0	1	6	4	3	0	2	0	1
27	0	1	1	0	1	0	1	2	0	1	0	1	2
28	368	670	470	59	276	245	531	686	197	253	400	81	350
29	33	88	55	2	44	5	14	12	38	18	28	8	4
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31	111	218	88	1	46	2	38	77	36	28	65	2	12
32	1	9	80	8	1	1	1	13	4	5	4	0	2
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34	3	16	6	30	2	2	14	48	13	14	0	33	10
35	1	1	0	0	0	3	0	0	2	0	0	0	0
36	0	0	0	0	1	2	0	3	0	0	0	0	0
37	141	243	6	30	164	262	5	160	190	4	6	86	17
38	0	0	0	0	0	2	0	1	4	1	0	0	0
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41	24	0	13	5	0	3	29	65	0	280	9	1	25
42	1	0	1	0	0	0	3	0	0	6	1	0	1
43	0	0	0	45	0	3	17	0	0	360	13	0	31
44	0	6	6	0	0	0	0	11	0	1	0	0	0
45	4	7	9	1	0	2	1	11	1	5	0	0	0
46	0	0	9	0	0	1	0	2	1	2	0	0	0
47	0	0	0	0	0	0	5	0	2	1	0	0	0
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50	0	2	4	0	0	0	0	5	0	2	0	0	0
51	0	11	6	0	0	1	0	11	0	2	0	0	0
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53	6	10	6	1	0	2	1	11	0	4	1	0	0

1													
2	1713	2065	1523	36	13	557	120	2619	142	463	169	45	8
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4	0	0	0	6	5	3	1	10	5	139	0	9	92
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7	0	1	1	10	1	1	12	0	6	2	0	5	6
8	1	6	1	8	5	6	17	2	9	25	0	5	76
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14	30	36	250	78	11	3	2055	116	134	56	5	35	16
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16	0	1	0	0	0	0	6	1	0	1	0	0	0
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19	1	0	2	1	0	0	2	1	0	0	0	0	0
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21	0	1	6	6	0	0	31	5	7	2	0	0	1
22	0	0	0	0	0	0	19	2	2	0	2	0	0
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24	0	0	1	0	0	0	5	0	0	0	0	0	0
25	5	0	0	1	0	0	0	0	10	0	1	0	3
26	3640	2	127	74	57	1	1	89	2533	4	604	11	75
27	15	0	1	0	2	0	0	0	22	0	1	0	1
28	0	0	0	0	0	0	0	0	34	0	1	0	0
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30	5	0	0	0	0	0	0	0	38	0	2	0	0
31	10	0	3	0	0	0	0	1	15	0	11	0	0
32	0	6	2	0	6	0	0	0	0	10	2	0	15
33	0	2	0	0	0	0	1	0	0	0	0	0	0
34	4	35	11	6	0	1	53	9	1	14	7	116	57
35	0	3	0	0	0	0	0	0	1	0	0	4	3
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37	0	28	0	24	2	5	0	1	32	16	169	13	45
38	0	0	0	168	0	9	0	0	0	20	0	0	0
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40	43	24	34	137	57	99	570	4	36	197	43	22	55
41	0	3	0	6	0	1	3	0	7	10	63	6	35
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48	0	134	0	130	10	43	0	0	42	233	1	147	390
49	0	733	0	106	0	1	0	0	2	8	1	1	0
50	0	0	0	11	4	80	0	0	0	63	0	199	83
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52	0	0	5	1	0	0	4	4	1	0	2	0	0
53	33	91	244	0	37	1	35	152	0	4	69	129	46
54	281	43	60	93	423	142	155	418	265	166	213	23	14
55	0	0	0	0	1	2	2	1	1	1	0	0	0
56	1	0	0	2	0	1	0	0	2	0	2	0	0
57	0	4	0	178	4	5	0	0	0	5	1	0	141
58	2	200	16	382	10	133	0	0	381	105	65	165	265
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0

1													
2	0	1	0	34	5	1	2	3	10	47	5	20	55
3	0	0	0	0	0	0	2	0	2	0	0	0	0
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5	13	0	2	0	30	1	100	61	1	0	2	0	0
6	0	0	1	0	0	0	0	10	2	0	3	0	0
7	0	0	2	0	0	0	0	0	1	0	0	0	3
8	0	0	0	0	0	1	0	2	0	0	2	0	0
9													
10	2	0	0	2	0	19	20	1	11	13	17	0	1
11	37	4	26	5	95	42	47	58	4	6	28	16	0
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13	2	64	0	0	0	0	0	0	57	25	0	0	1
14	83	128	2	174	37	135	62	98	116	35	45	131	96
15	0	15	0	0	1	0	0	0	9	16	0	0	0
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17	6	11	4	1	2	3	24	64	0	1	11	7	1
18	1	178	4	33	68	28	121	0	16	61	34	35	1
19	0	3	0	0	6	1	0	0	0	6	0	0	0
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21	2	48	0	3	48	41	3	1	68	36	23	101	128
22	5	10	0	19	17	9	0	0	11	102	27	17	44
23	0	0	0	6	14	103	0	0	6	260	57	14	356
24	0	0	0	0	0	1	1	0	0	0	1	2	0
25	0	1	8	0	0	1	2	3	2	0	2	1	0
26	0	0	1	0	0	3	1	0	3	0	1	1	2
27													
28	903	688	463	32	452	1501	1150	1025	186	448	521	350	114
29	2	1	2	0	3	1	1	2	0	1	0	0	0
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39	1	163	0	1	15	3	2	0	7	88	26	0	121
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43	0	2	2	0	233	468	4	0	0	183	59	1	0
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52	21	40	0	96	17	77	2	0	122	84	54	323	169
53	5	11	32	19	7	4	36	21	6	9	36	24	48
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1													
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9													
10	28	30	76	10	8	34	410	74	28	11	39	83	59
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17	0	0	0	0	0	1	1	0	0	3	1	0	1
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21													
22	57	20	6	47	16	33	68	84	70	52	46	51	166
23	37	2	0	8	9	142	11	0	37	45	51	270	141
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27	0	0	0	0	0	0	0	0	0	1	0	2	1
28													
29	130	34	28	102	156	131	252	165	134	200	95	149	236
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43	12	2	0	5	14	46	0	0	2	44	71	214	123
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45	70	0	0	62	1	137	0	25	5	32	26	0	0
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53	9	7	0	10	1	52	5	35	6	1	9	61	57
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24	57	1238	3338	137	21	1	433	8	7	151	27	374	116
25	0	1	21	0	0	0	1	0	0	0	0	0	0
26	1	27	83	1	0	0	9	0	1	1	7	10	2
27	0	0	0	0	1	0	2	3	191	201	3	36	50
28	0	0	0	0	1	3	0	0	0	0	1	5	1
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32	12	14	1	6	5	23	11	58	21	14	24	19	30
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37	1	0	1	9	0	0	5	10	0	0	7	0	0
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43	0	0	0	0	1	0	6	0	0	0	0	131	18
44	0	0	0	0	0	249	0	0	0	0	0	3	0
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46	0	6	0	0	0	0	0	0	0	0	0	524	152
47	0	0	0	0	0	0	0	0	0	71	1	12	85
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50	0	4	3	5	45	38	0	2	10	8	15	51	46
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53	0	0	0	1	267	313	0	0	0	0	0	341	7

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15	38	427	190	481	279	179	259	3	147	464	432	579	339
16	0	0	0	3	0	2	0	0	3	4	9	2	0
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18	63	631	335	391	20	66	99	1	521	1512	1306	548	56
19	4	5	15	8	1	0	5	0	7	33	17	6	3
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22	151	154	245	185	147	64	91	1	83	301	235	219	124
23	1	0	0	1	0	4	0	0	0	0	5	6	3
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26	0	0	0	0	7	1	0	5	0	0	2	16	3
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39	0	0	0	6	1	1	0	0	2	1	3	2	0
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41	0	0	1	7	0	5	0	0	0	19	0	0	0
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43	0	0	0	4	5	5	0	0	0	2	0	6	5
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45	11	0	0	11	5	12	3	0	5	13	27	19	16
46	0	0	0	0	6	18	1	0	0	0	0	18	0
47	0	0	0	5	8	8	9	4	14	9	22	30	34
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53	0	0	0	3	27	1	0	0	1	0	1	2	1

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16	0	0	0	0	16	26	0	0	0	2	19	5	4
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25	0	0	0	0	0	11	0	0	0	0	0	2	10
26	0	0	0	0	1	4	0	0	0	3	0	0	0
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28	0	0	0	0	3	3	0	0	0	0	0	0	1
29	0	6	0	2	3	20	0	0	0	2	9	12	17
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32	0	6	0	0	0	3	0	0	0	0	0	0	1
33	0	0	0	0	0	0	0	0	0	0	0	2	0
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35	0	11	0	1	1	2	0	0	0	0	0	6	0
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37	0	0	0	2	2	0	0	0	0	0	5	1	3
38	1	0	0	2	3	8	0	1	0	0	0	2	10
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40	7	34	4	0	0	3	0	2	5	0	0	57	16
41	3	0	0	0	0	0	0	0	1	4	0	1	0
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43	90	1	0	4	1	7	5	24	2	8	22	1	5
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3	8	54	1	16	788	136	249	36	42	12	170	123	81
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13	70	80	35	98	19	5	270	3	1	90	1	2	4
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16	51	93	47	4	25	9	18	126	428	135	50	12	3
17	64	385	126	20	25	44	38	388	421	126	55	11	20
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22	0	3	7	0	3	7	1	5	0	1	0	0	50
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25	20	14	1	0	37	26	2	14	14	23	0	10	70
26	1	2	0	1	0	3	0	11	3	0	0	13	10
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33	84	342	2	23	34	110	22	23	10	84	90	138	18
34	7	10	0	5	6	10	2	8	2	21	13	5	5
35	2	3	0	1	2	1	1	1	0	4	4	2	0
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37	1	0	0	2	5	1	3	4	4	0	0	0	0
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39	0	0	0	1	2	2	0	0	1	0	2	0	0
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41	0	0	0	1	29	5	0	0	0	2	7	0	11
42	3	0	0	0	14	0	0	0	0	0	0	0	3
43	0	0	0	2	1	31	0	0	0	0	1	1	0
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47	0	0	0	0	0	65	16	0	0	3	0	0	12
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25	34	21	2	455	43	126	219	154	280	22	163	21	37
26	0	1	0	6	0	0	3	2	8	0	7	1	0
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28	60	151	19	12	11	11	46	78	24	10	16	16	3
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33	21	54	4	25	51	283	21	17	3	100	91	120	76
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53	2	19	0	1	3	2	0	0	8	0	6	11	0

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9													
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25	11	0	27	12	0	0	0	12	0	0	23	0	0
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37	1	6	0	0	0	222	2	8	0	3	20	82	1
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24													
25	659	169	291	94	61	14	35	91	369	42	197	19	21
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31	25	4	85	23	48	5	26	23	29	2	56	12	3
32	1	0	0	2	0	0	2	3	4	0	5	0	0
33													
34	122	52	79	32	18	34	47	91	118	57	27	22	12
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42	0	3	0	7	0	4	2	0	35	14	8	2	7
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57	0	5	0	1	0	1	0	0	0	0	0	0	0

1													
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3	1	0	0	11	1	7	0	7	7	1	7	0	5
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5	0	0	0	0	0	76	0	0	0	14	2	34	8
6	0	0	0	0	260	93	0	0	0	1	1	31	1
7	0	0	3	5	0	0	5	0	5	0	1	0	0
8	0	0	0	4	0	0	2	0	10	0	2	0	0
9													
10	3	0	1	2	0	3	2	0	5	0	3	0	4
11	891	175	478	53	11	54	466	170	1039	13	342	0	15
12	28	4	6	2	1	1	6	4	14	0	7	0	0
13	6	1	1	10	4	2	5	3	11	2	5	0	0
14	174	43	45	227	35	89	98	16	220	14	293	1	18
15	5	0	0	129	16	72	12	2	43	39	35	0	64
16	21	11	8	68	0	90	7	1	81	23	25	0	0
17	1	0	0	4	1	2	0	0	0	0	2	0	0
18	0	0	0	3	4	32	1	0	8	5	1	0	5
19	1	0	0	2	62	37	0	0	5	8	0	0	3
20	73	0	19	219	42	89	83	29	115	35	195	0	52
21	108	54	14	15	6	43	59	48	84	6	10	10	0
22	2	0	1	22	1	6	3	0	2	10	1	0	0
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25	8	1	22	7	4	18	9	15	15	0	42	4	11
26	1	0	0	0	2	1	0	0	0	0	0	0	5
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29	0	0	0	3	0	0	0	1	3	0	8	0	0
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31	11	0	0	0	2	0	3	20	7	0	1	0	2
32	0	8	0	1	100	58	0	0	0	4	0	7	12
33	0	0	0	0	1	0	0	1	1	0	0	0	8
34	7	3	3	0	3	1	6	13	3	0	11	1	0
35	0	0	0	0	1	4	0	0	25	0	0	0	0
36	0	0	0	0	0	0	0	0	0	2	0	0	2
37	10	77	1	27	4	11	33	1	70	5	45	2	36
38	0	0	0	0	0	1	3	0	0	8	0	1	0
39	11	0	1	1	3	0	0	3	7	0	0	0	1
40	203	46	67	9	9	7	11	169	86	5	15	14	18
41	2	0	1	0	0	0	2	5	3	1	1	0	8
42	0	0	0	0	5	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	6	82	197	0	0	0	119	75	0	96
45	25	0	0	135	46	230	1	2	25	20	26	8	141
46	0	0	0	3	2	0	0	1	1	2	1	0	1
47	0	0	0	0	0	15	0	0	0	3	0	0	39
48	0	0	0	1	0	0	0	0	0	4	0	0	5
49	0	0	0	0	1	3	13	0	0	0	1	0	4
50	325	0	1	3	0	1	226	347	76	37	172	0	5
51	0	3	0	0	0	0	0	0	2	7	0	0	0
52	0	0	0	0	1	0	0	0	0	31	1	0	18
53	0	0	0	0	1	7	0	0	1	2	0	0	7
54	0	0	0	3	15	6	2	0	5	10	7	0	7

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3	0	0	0	5	8	6	2	4	1	0	0	0	7
4	24	1	13	0	2	1	20	18	5	2	25	0	6
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6	0	1	0	15	134	169	3	0	1	40	3	85	2504
7	0	0	0	3	4	0	0	0	0	0	0	2	41
8	0	0	0	0	0	0	1	0	0	0	0	0	3
9	27	0	0	12	3	3	3	5	27	1	6	0	3
10	24	0	6	33	27	24	3	6	42	2	123	1	1
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15	0	0	0	2	3	2	1	0	5	0	2	6	6
16	3	0	0	35	5	2	1	0	8	1	2	1	4
17	0	1	0	38	0	1	0	0	0	0	0	0	9
18	0	0	0	0	14	3	0	0	0	0	0	2	1
19	1	0	0	0	1	1	2	0	2	0	1	4	0
20	0	0	2	0	0	0	1	1	0	0	10	0	0
21	12	0	2	2	0	0	0	0	1	0	5	0	0
22	15	6	8	70	7	7	26	17	12	7	67	8	5
23	64	0	11	7	0	0	8	27	0	0	108	0	0
24	4	3	45	0	15	18	133	2	35	1	83	0	0
25	0	0	1	0	0	1	9	0	1	0	7	0	0
26	0	0	0	3	11	10	1	0	0	1	0	14	3
27	14	0	1	2	4	2	13	17	10	4	8	3	1
28	25	24	2	0	1	0	19	12	0	49	2	0	37
29	0	0	0	0	0	0	0	0	0	2	0	0	0
30	0	0	0	1	0	1	2	1	0	5	2	0	1
31	2	0	5	2	5	1	1	3	0	0	0	35	5
32	12	3	0	15	30	13	1	3	34	20	27	2	14
33	0	45	0	3	0	6	1	0	3	18	0	30	0
34	19	7	253	17	1	3	13	47	10	5	41	4	0
35	0	0	0	0	3	3	3	5	0	13	1	0	2
36	10	2	69	6	0	1	9	30	6	12	9	1	2
37	1	2	2	5	0	0	0	1	0	0	2	0	0
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39	37	9	5	0	3	1	20	8	10	8	36	0	7
40	0	1	0	10	1	2	0	0	1	2	9	2	0
41	4	9	0	81	8	26	8	10	34	50	52	7	12
42	2	0	2	15	0	1	4	10	11	0	61	0	2
43	0	0	0	0	0	0	11	2	0	0	0	0	5
44	0	0	0	0	0	0	8	3	0	0	0	0	13
45													
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2													
3													
4	T1-618	T1-619	T1-636	T1-640	T1-641	T1-642	T1-602	T1-655	T1-659	T1-663	T1-664	T2-504	T2-506
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7	0	0	13	0	1	1	3	0	0	23	0	0	6
8	0	3	1	0	3	0	2	0	0	0	1	1	8
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17	13	33	5	5	7	1	18	1	0	0	5	1	1
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19	0	2	0	2	0	0	0	0	1	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	7
21	0	0	0	0	0	0	0	0	0	0	0	0	0
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23	1	0	0	0	0	0	0	0	0	0	0	1	0
24	0	0	0	0	0	0	2	0	0	0	0	0	0
25	0	0	0	0	0	0	1	4	0	0	1	0	0
26	0	0	0	0	0	4	21	1	0	0	1	2	9
27	0	0	0	0	0	0	0	0	15	0	0	1	1
28	167	8	0	91	0	0	0	0	0	0	0	1	1
29	0	0	0	0	0	0	0	0	0	0	1	0	0
30	92	19	13	21	67	0	0	19	1	1	52	23	5
31	145	18	14	50	84	2	2	34	39	0	137	24	3
32	0	164	0	0	52	32	0	0	13	0	19	6	34
33	0	0	0	6	3	4	0	0	0	0	0	8	0
34	0	0	0	0	1	3	1	0	2	0	1	0	9
35	13	0	60	30	1	3	9	3	2	42	0	24	16
36	2	0	0	0	8	0	0	2	0	0	15	3	0
37	0	0	15	8	0	0	2	0	0	13	0	9	0
38	0	0	0	7	0	0	0	0	0	0	4	57	0
39	0	0	0	0	0	9	0	0	0	0	0	0	0
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41	6	3	0	3	0	7	17	0	0	3	0	18	6
42	51	2	0	95	0	1	0	0	1	0	12	1	0
43	45	3	0	45	0	2	0	0	2	0	4	3	0
44	5	1	0	6	5	3	0	0	0	0	0	2	6
45	3	7	0	3	3	1	2	0	1	0	0	0	0
46	0	0	1	2	0	0	1	0	2	0	0	2	0
47	0	43	0	0	10	0	0	0	3	0	1	0	4
48	2	70	0	0	11	1	0	1	7	0	2	0	7
49	0	70	0	0	19	1	0	0	16	0	5	0	15
50	0	8	0	0	3	0	0	0	9	0	0	0	0
51	16	16	4	25	3	4	0	0	0	0	3	0	2
52	1	0	0	0	3	0	0	0	1	0	0	0	0
53	0	0	0	1	0	0	0	1	0	0	1	1	1
54	0	0	0	0	0	0	1	0	0	0	0	0	1
55	0	0	0	0	0	0	2	0	0	0	0	0	10
56	133	0	8	0	0	0	2	0	0	0	0	0	13
57	8	1	9	1	0	21	2	138	5	0	0	13	43

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2	0	0	4	10	0	0	2	0	0	0	0	0	3
3	6	0	0	0	1	2	0	0	6	0	0	0	0
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5	0	5	0	0	17	0	0	0	6	0	2	0	33
6	0	0	0	0	0	0	59	0	6	1	0	11	1
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9	0	0	0	0	0	0	0	0	0	1	3	0	15
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12	0	0	0	0	0	0	3	0	0	0	8	339	48
13	0	0	2	0	52	0	0	0	1	0	1	34	0
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15	2	0	0	0	3	0	0	0	1	0	0	26	3
16	0	0	0	0	1	3	1	0	0	5	0	2	6
17	0	0	0	0	15	0	9	0	5	6	24	7	0
18	0	0	0	0	9	0	0	0	8	0	47	4	0
19	27	31	0	9	0	0	0	0	0	0	0	73	15
20	0	0	0	0	0	0	1	0	0	0	0	7	2
21	0	0	0	0	0	0	0	0	2	0	0	0	0
22	0	0	0	0	0	0	0	0	1	0	1	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1	0	4	4	0	0	1	0	0	2	0	0	0
25	0	1	10	0	0	1	0	0	1	0	0	24	0
26	20	3	10	11	10	0	25	0	2	0	17	21	7
27	5	1	0	5	0	0	0	0	0	0	0	3	3
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29	128	1	1	18	1	0	16	0	0	0	25	106	46
30	1	0	0	2	6	1	13	0	0	0	3	2	0
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33	0	0	0	0	0	0	0	0	0	0	0	0	0
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35	1	0	0	0	0	0	7	0	0	0	3	6	0
36	11	0	0	4	0	0	0	0	0	0	2	5	2
37	7	0	10	9	3	3	10	1	1	0	3	9	0
38	0	0	1	22	0	0	0	0	0	0	14	0	0
39	1	0	2	0	0	0	3	0	0	1	0	0	2
40	2	3	0	3	15	1	7	0	1	4	11	1	1
41	0	1	0	0	1	0	0	0	0	0	8	0	1
42	0	1	6	0	0	1	1	2	0	0	0	5	1
43	4	7	2	13	0	0	9	0	0	2	0	0	0
44	0	1	0	0	0	0	0	0	0	0	1	11	0
45	0	1	0	0	0	0	0	0	0	0	1	11	0
46	1	0	11	11	0	2	0	5	0	9	0	27	1
47	6	0	0	0	3	0	1	0	1	5	0	0	0
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49	0	0	0	0	0	0	0	0	0	0	5	0	0
50	48	0	58	12	0	17	103	40	2	1	2	0	33
51	3	1	5	1	0	1	22	14	5	6	1	2	5
52	0	0	0	0	0	0	5	18	0	1	0	0	0
53	0	0	0	0	0	0	5	18	0	1	0	0	0
54	2	2	6	2	10	0	7	0	1	10	6	13	0
55	0	0	1	2	3	0	0	1	5	0	0	4	0
56	5	4	2	0	5	3	0	0	5	0	1	0	3
57	5	3	0	6	17	0	0	1	5	0	6	2	1
58	0	0	2	1	0	0	3	0	0	0	0	0	1
59	0	4	0	0	0	0	0	0	1	0	6	0	0
60	0	0	0	0	1	2	0	0	12	0	0	0	0

1													
2	0	37	0	0	1	0	0	0	0	0	0	0	0
3	0	6	0	0	6	6	0	0	0	0	0	0	0
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14	11	58	54	18	5	47	0	20	26	0	336	4	16
15	0	0	2	0	3	12	53	21	4	0	4	0	1
16	4	47	0	0	0	12	0	0	38	0	0	0	8
17	0	38	0	3	17	5	0	6	8	0	3	0	9
18	7	3	7	8	4	2	2	0	0	9	7	3	0
19	0	0	0	0	0	0	0	0	0	0	0	0	86
20	0	0	73	5	0	14	0	2	0	0	19	0	51
21	0	0	77	55	172	223	75	217	265	39	114	58	0
22	145	208	0	0	0	1	2	0	1	0	0	0	55
23	1	1	0	1	0	4	0	0	0	0	0	0	2
24	0	0	0	1	0	0	0	0	0	0	0	0	0
25	42	1	3	2	0	2	0	8	3	0	0	0	0
26	15	0	0	0	0	0	5	4	2	0	0	0	0
27	73	2	0	0	0	6	0	71	20	0	0	0	0
28	2	1154	0	0	0	0	2	39	2	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	8
30	0	0	4	2	0	5	50	10	1	0	0	2	0
31	0	3	2	0	0	0	1	0	0	0	0	0	0
32	0	22	0	2	0	0	0	0	84	1	0	2	0
33	1	0	0	0	0	0	0	20	1	0	0	0	0
34	5	3	0	1	0	12	0	19	8	0	0	0	0
35	86	205	2	6	165	98	2	283	210	0	45	1	6
36	12	0	0	0	0	2	0	4	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0	0	0	0	0
39	20	4	0	1	4	11	0	50	41	0	1	0	3
40	4	14	1	2	16	13	2	26	14	0	4	1	7
41	0	0	16	17	0	55	4	16	5	0	18	8	47
42	5	7	3	8	3	6	2	2	0	0	0	3	5
43	8	2	0	3	3	1	0	1	0	0	17	0	0
44	1	1	2	2	2	0	0	2	0	0	2	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	4	0	0	0	0	0	0	19	0	0	0	0	0
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48	0	0	22	19	9	4	0	1	0	6	0	5	0
49	0	12	1	0	1	0	0	1	4	0	0	0	0
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51	22	3	13	209	0	2	106	16	0	51	59	19	4
52	0	0	0	5	0	0	6	3	0	1	2	2	0
53	29	20	0	7	5	38	0	14	4	0	5	1	0
54	185	28	11	29	87	7	0	52	4	7	226	14	5
55	0	0	0	3	1	0	0	1	0	0	0	0	0
56	1	1	0	0	2	0	0	1	0	0	0	0	0

1													
2	0	1	0	0	0	0	0	0	6	0	0	0	0
3	0	4	9	2	0	0	3	0	0	0	0	0	0
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6	6	0	0	1	0	0	0	6	0	0	0	0	0
7	669	2	158	156	147	33	0	265	11	0	30	0	1
8	3	0	5	1	2	0	0	0	0	0	0	0	0
9	9	249	4	6	76	2	0	8	24	0	38	3	1
10	161	1013	26	15	433	12	7	22	196	0	260	3	5
11	0	15	7	0	6	0	0	0	0	0	0	0	0
12	0	16	0	0	0	0	0	0	5	0	0	0	0
13	2	6	0	1	3	0	0	0	1	0	0	0	0
14	0	2	2	0	0	0	1	1	0	0	0	0	0
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17	3	1	4	11	7	0	14	6	1	3	1	5	1
18	10	4	8	16	18	1	6	5	12	6	19	4	12
19	108	46	214	313	317	14	225	94	309	139	383	143	129
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23	0	0	0	0	0	0	0	8	5	0	0	0	0
24	17	9	16	116	0	0	3	9	0	1	0	122	95
25	339	6	35	144	226	2	0	109	2	2	81	0	0
26	257	30	28	97	255	15	0	144	5	17	161	1	3
27	2	4	0	4	1	0	0	2	0	0	4	0	0
28	12	1	1	45	18	11	1	40	33	0	29	0	0
29	0	0	0	1	18	2	0	2	1	0	0	0	0
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31	54	65	60	25	87	1	6	231	42	0	34	0	0
32	8	68	0	27	3	0	0	2	0	0	63	0	0
33	58	51	6	202	13	22	0	23	11	0	30	8	23
34	537	5	2	82	5	17	0	4	2	0	28	0	0
35	101	36	0	53	58	22	0	60	11	0	15	11	0
36	3	44	0	60	15	3	0	12	15	0	2	7	0
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41	60	21	146	72	82	29	29	105	3	113	6	18	107
42	0	0	2	2	0	0	2	0	0	1	0	1	0
43	12	63	1	62	1	12	0	27	12	0	44	5	21
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47	0	35	99	519	100	0	96	1	0	653	17	119	239
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28	0	0	24	21	3	0	37	7	0	108	5	26	3
29	0	0	1	0	0	0	1	0	0	9	0	14	1
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42	563	62	1467	3066	1438	186	2923	190	29	2703	1078	1829	754
43	2	0	1	2	0	0	1	0	1	3	0	1	0
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7													
8	40	287	888	607	147	32	416	24	11	407	157	1711	407
9	0	1	6	4	0	0	1	0	0	14	0	34	4
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11	44	322	1672	996	212	19	1014	29	12	1905	89	3370	549
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28	0	0	0	2	0	0	12	0	0	0	0	6	0
29	1	0	12	1	0	0	5	0	0	1	0	2	0
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38	9	0	6	1	3	2	1	1	0	81	0	52	29
39	2	0	8	2	1	0	0	2	0	15	1	19	10
40	66	65	945	398	277	415	319	678	3	345	287	401	855
41	1	0	1	3	0	0	2	0	0	0	0	0	0
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43	11	1	30	15	0	6	14	1	0	51	3	6	0
44	58	5	63	104	2	37	25	9	0	157	9	22	3
45	3	0	5	8	2	0	18	0	0	21	0	6	0
46	0	0	1	2	1	0	1	0	0	8	0	1	0
47	106	4	98	408	34	15	189	23	7	465	38	189	139
48	3	0	0	1	0	0	0	0	0	1	0	0	0
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50	66	14	0	39	402	4	4	71	470	0	16	0	0
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54	0	16	0	0	2	0	0	0	8	0	1	0	0

1													
2	19	1233	71	45	528	11	40	36	2514	4	246	85	0
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6	38	7	0	5	16	7	0	25	5	0	7	0	0
7	0	0	0	0	0	0	2	0	0	0	0	4	0
8													
9	110	28	18	23	84	8	6	8	3	18	448	22	0
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12	195	1	0	8	18	3	8	447	1	0	0	0	0
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14	141	14	29	99	33	91	13	87	18	0	25	14	11
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25	0	0	6	3	1	0	7	2	0	4	0	4	1
26	1	0	0	11	0	0	0	1	0	2	0	6	0
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29	19	17	379	1611	564	213	294	767	31	500	568	721	316
30	1	5	37	26	11	20	30	15	2	10	30	29	31
31	0	0	6	1	3	0	3	0	0	1	1	2	7
32	4	7	55	20	16	25	46	2	6	13	20	23	86
33	0	0	4	32	0	8	44	41	0	19	3	2	5
34	0	0	5	6	1	0	0	1	1	0	0	1	5
35	111	1	65	13	1	0	5	12	1	0	15	5	1
36	8	0	0	3	0	0	1	2	0	7	0	0	0
37	3	0	4	20	0	1	10	0	0	38	0	15	2
38	434	18	22	1019	1	50	64	224	0	975	10	422	233
39	5	0	4	4	0	1	0	1	0	4	0	0	0
40	2	0	2	8	0	1	0	3	0	13	0	4	3
41	1	0	0	8	0	0	1	0	0	9	0	4	0
42	16	0	47	123	27	1	31	11	4	63	22	62	15
43	0	0	1	2	0	0	1	0	0	1	0	2	0
44	1	0	3	0	26	3	7	0	5	3	39	17	0
45	3	1	4	1	0	0	1	0	0	0	0	1	0
46	5	1	13	0	0	0	1	4	0	0	0	0	0
47	23	0	2	0	0	1	3	3	0	0	0	0	0
48	0	0	5	0	0	0	8	0	1	0	0	0	0
49	0	0	2	0	0	0	0	2	0	0	0	0	0
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54	7	1	6	1	0	0	0	2	0	0	0	0	0

1													
2	1344	43	1228	161	15	83	121	980	26	39	18	193	0
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5	22	2	4	9	64	20	3	12	2	1	34	59	27
6	36	0	25	126	30	16	26	4	7	224	1	11	0
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8	1	0	1	6	2	4	8	0	17	7	51	4	0
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13	3	5	161	216	3	37	309	28	187	47	123	282	35
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22	0	0	11	0	0	1	9	0	0	0	0	1	0
23	117	95	674	253	87	163	466	8	7	29	42	274	28
24	0	0	5	2	0	0	6	0	0	1	0	1	0
25	3	0	0	0	0	0	2	0	0	0	0	0	0
26	0	0	4	1	0	0	5	0	0	0	0	3	0
27	1	0	15	6	2	0	35	0	0	1	0	7	0
28	0	2	0	0	0	1	1	0	0	11	0	2	6
29	0	0	2	0	0	0	4	0	1	0	0	0	0
30	23	1	14	7	46	8	40	1	0	17	5	6	1
31	3	0	0	0	0	1	1	1	0	0	1	0	0
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33	99	0	4	1	9	86	3	19	1	1	3	211	58
34	0	0	0	49	0	1	2	193	0	0	6	0	0
35	8	9	14	246	164	18	387	180	335	1	41	176	14
36	92	0	5	1	4	67	1	0	2	1	2	89	32
37	0	0	1	4	1	0	4	0	1	0	0	0	0
38	1	0	0	7	0	0	47	0	0	0	0	13	0
39	0	0	0	0	0	0	3	3	0	0	0	2	0
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42	9	72	16	18	88	133	173	612	25	0	27	0	49
43	107	3	0	17	0	0	0	3	119	0	0	0	0
44	3	20	0	1	87	10	0	2	40	0	9	0	0
45	1	0	8	2	1	0	6	0	0	1	0	10	0
46	0	0	5	0	2	18	137	0	0	59	0	224	285
47	380	149	197	256	378	137	149	123	317	22	253	262	18
48	2	0	4	1	1	0	2	1	0	0	0	0	0
49	0	0	0	0	0	1	5	0	0	0	0	0	3
50	108	32	6	100	25	24	0	0	49	0	27	0	0
51	329	38	7	10	51	49	0	49	91	0	22	104	25
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1													
2	43	20	1	10	19	9	0	3	2	0	47	6	3
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5	0	0	13	0	62	1	19	0	0	79	23	22	22
6	0	0	3	0	0	0	11	0	0	10	0	5	0
7	0	0	6	4	0	0	5	0	0	6	0	3	0
8	0	0	0	0	1	0	2	0	0	6	0	0	0
9													
10	18	0	0	5	0	0	1	3	26	0	3	178	0
11	12	7	13	7	39	1	21	9	36	67	68	31	21
12	22	9	5	12	1	3	0	4	9	0	0	0	0
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14	3	33	109	98	25	48	2	10	8	47	20	43	19
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16	0	0	2	31	4	2	0	0	0	3	3	6	0
17	0	0	2	31	4	2	0	0	0	3	3	6	0
18	13	1	2	1	1	0	13	0	2	3	0	3	70
19	8	15	26	25	187	49	0	77	240	1	113	13	1
20	0	0	0	0	2	0	0	1	31	0	0	0	0
21													
22	1	0	0	0	0	0	0	1	131	0	0	0	0
23	195	21	0	1	61	37	0	7	427	0	12	4	1
24	35	1	27	25	62	31	0	0	0	3	16	2	21
25	46	33	19	45	80	6	1	11	7	1	103	23	0
26	0	0	0	0	0	0	4	0	0	6	0	0	0
27	0	0	3	0	2	1	3	2	1	4	0	1	3
28	0	0	4	3	1	1	5	4	0	8	0	8	0
29													
30	72	409	1199	421	320	581	659	482	209	2751	361	606	2181
31	0	0	2	2	2	1	4	0	0	3	0	1	2
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33	7	0	0	0	0	0	1	0	13	0	1	2	0
34	6	0	1	0	0	0	0	5	0	0	0	0	0
35	0	0	2	0	3	1	0	5	0	0	34	36	1
36	0	0	0	0	0	0	0	14	0	0	0	0	0
37	0	0	0	0	6	0	0	49	0	1	2	72	37
38	2	0	2	4	4	9	1	7	2	0	0	1	0
39	5	0	0	0	0	0	0	1	0	0	0	1	0
40	9	0	6	1	0	3	27	0	0	1	0	6	5
41													
42	73	0	14	15	249	11	0	53	35	0	27	0	0
43	0	0	0	0	4	1	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	4	0	0	1	15	14	0	0	8	0	18	0	0
47	0	0	0	0	108	31	4	2410	41	0	31	13	297
48	13	7	12	0	2	164	2	0	20	0	298	0	3
49	3	1	0	0	1	12	0	0	11	0	0	0	0
50	31	351	0	10	145	131	4	43	81	0	21	0	0
51	1	15	0	0	0	7	1	7	0	0	0	0	0
52													
53	28	234	1	0	3	23	14	64	7	0	5	1	6
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	76	0	0	0	0
56	6	0	0	4	6	4	0	3	1	0	4	1	0
57	178	33	0	58	132	46	9	50	38	1	67	7	5
58	84	6	28	6	31	1	32	20	19	1	2	5	3
59	11	1	0	3	4	3	1	26	3	0	2	1	0
60	11	1	2	1	2	1	0	1	1	0	3	0	0

1													
2	6	1	1	0	0	3	0	7	1	0	0	0	0
3	3	1	0	0	1	0	0	4	3	0	3	0	0
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5	28	4	2	4	11	18	2	93	25	1	6	1	2
6	14	1	0	0	6	3	0	14	6	0	6	0	0
7	80	24	2	14	53	11	1	23	11	0	13	1	13
8	6	0	0	2	2	2	1	0	4	0	0	0	1
9	15	225	115	6	64	11	195	2	42	29	24	34	85
10	0	0	0	0	0	6	8	0	0	0	0	0	0
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12	0	0	0	0	0	0	0	2	0	0	0	0	0
13	1	3	0	0	0	1	0	45	2	0	0	0	0
14	0	0	0	0	0	1	0	3	0	0	0	0	0
15	35	0	0	1	0	7	0	2	9	0	0	0	0
16	37	242	5	72	58	126	1	111	347	0	234	142	67
17	0	1	0	0	0	0	0	0	0	0	0	0	0
18	21	1	0	3	0	2	0	0	2	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0
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21	0	0	0	0	0	0	0	0	0	0	0	0	0
22	74	55	50	52	252	65	26	36	58	0	121	69	84
23	15	199	42	28	46	163	0	5	11	1	24	25	679
24	0	5	3	2	0	10	0	0	0	0	1	1	7
25	0	1	0	0	0	0	0	0	0	0	0	0	0
26	0	14	0	0	14	17	0	1	4	0	6	0	3
27	0	0	1	1	2	0	5	0	1	0	0	2	0
28	71	368	81	51	181	45	179	35	468	45	256	169	122
29	1	11	2	2	8	2	3	3	23	0	11	2	2
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31	8	1	33	7	25	28	17	52	5	68	58	10	75
32	94	81	72	52	154	141	116	59	3	264	208	32	217
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34	0	18	0	4	5	0	0	12	1	0	5	0	0
35	11	31	0	0	10	0	2	33	63	0	9	0	0
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37	7	14	1	0	18	18	15	19	4	0	3	0	1
38	4	0	3	1	1	0	3	0	0	0	0	0	9
39	30	25	7	7	36	34	8	69	8	0	55	1	29
40	0	3	1	0	3	0	0	0	4	0	2	0	2
41	0	1	0	2	0	2	2	22	213	0	9	0	3
42	68	61	6	17	69	212	2	66	42	1	76	0	69
43	0	0	2	0	0	0	0	0	0	0	0	0	16
44	0	3	2	55	0	0	0	16	187	0	273	93	0
45	0	0	0	2	0	0	0	1	16	0	9	8	0
46	53	7	7	2	78	8	0	13	180	0	65	39	1
47	13	9	50	11	2	10	26	74	0	2	5	3	13
48	31	15	14	12	70	40	1	2	19	0	50	9	43
49	0	4	1	0	11	7	0	0	10	0	8	0	0
50	54	14	0	5	29	31	0	22	227	0	141	25	1
51	14	268	0	0	176	29	0	13	68	0	18	0	20
52	9	1	2	8	20	1	1	10	1	0	10	6	12
53	5	11	0	1	30	3	0	7	13	0	20	7	29
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55	0	4	0	3	6	0	4	6	0	0	1	0	5

1													
2	1	7	0	4	1	0	3	0	5	1	0	57	6
3	2	0	0	0	0	0	1	0	0	0	1	0	0
4	296	2	0	0	4	7	117	1	6	0	39	0	8
5	0	0	0	0	0	0	0	0	0	0	0	0	0
6	6	9	0	1	0	2	1	13	13	17	0	2	0
7	11	80	32	68	0	14	6	29	3	686	10	25	199
8	0	0	0	0	0	0	0	0	230	0	0	0	0
9	0	0	0	0	4	0	1	0	1	2	0	0	3
10	0	0	2	1	500	8	205	20	0	70	0	12	156
11	0	0	0	0	12	0	2	0	0	1	0	0	7
12	0	0	0	8	0	0	0	1	0	8	0	0	0
13	0	0	2	1	0	2	0	3	1	8	0	0	0
14	0	0	13	0	0	0	0	2	6	0	0	0	1
15	0	0	59	21	0	4	0	163	5	0	0	2	0
16	0	0	7	1	0	1	0	1	2	0	0	0	0
17	1	0	5	0	0	1	0	0	8	0	0	0	0
18	3	0	7	1	0	0	0	0	2	0	0	0	0
19	0	0	7	1	0	0	0	0	2	0	0	0	0
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21	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	1	0	0	0	0	0
24	0	0	0	0	0	0	1	0	0	0	0	0	0
25	0	0	0	0	0	0	1	0	0	0	0	0	0
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27	42	20	5	32	8	12	163	36	14	124	5	2	23
28	0	0	0	0	0	0	0	1	0	0	0	0	0
29	1	0	1	0	0	0	0	2	0	5	0	0	0
30	0	0	0	0	14	2	315	116	5	0	14	4	1
31	0	1	0	0	0	0	0	4	0	0	1	0	0
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36	13	3	11	11	13	6	21	23	8	72	4	17	9
37	1	5	0	0	4	11	0	0	0	0	0	4	13
38	0	2	2	0	17	2	0	70	0	0	0	0	1
39	2	32	2	9	0	5	1	14	3	0	5	47	0
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41	2	1	6	2	5	0	1	2	0	5	19	6	3
42	2	6	2	8	0	1	9	1	20	0	24	21	0
43	2	12	0	1	8	1	5	0	8	0	9	0	10
44	3	0	0	0	5	2	0	1	0	6	0	0	7
45	7	15	9	22	10	25	1	94	9	0	37	0	3
46	0	26	0	0	7	1	0	0	19	0	0	0	6
47	0	149	1	5	74	114	0	1	49	0	34	0	13
48	0	0	0	0	0	0	2	0	18	0	0	0	12
49	0	11	0	0	0	2	0	0	0	0	0	0	5
50	0	217	0	0	165	0	0	0	1	0	36	0	1
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53	76	270	7	55	106	3	5	5	56	0	36	9	51
54	1	4	0	5	29	19	0	7	1	0	34	23	8
55	0	0	0	0	0	0	1	0	0	0	0	0	0
56	0	0	0	0	0	0	1	0	0	0	0	0	0
57	16	1	0	0	7	20	0	4	0	0	107	0	54

1													
2	29	0	1	0	6	81	1	8	0	0	144	0	170
3	0	0	0	0	0	9	0	0	0	0	0	0	0
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5	10	35	0	7	7	4	0	8	0	0	0	21	8
6	0	138	7	29	0	0	0	0	0	0	61	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0
8													
9	717	4	137	187	1	16	2	6	20	0	97	62	40
10	46	0	0	2	0	0	0	0	4	0	0	0	0
11	1	20	4	3	2	7	1	13	0	1	9	46	7
12	0	20	0	0	36	2	0	0	2	0	52	13	1
13	0	0	0	0	2	7	0	0	1	0	0	0	17
14	0	2	0	0	0	0	0	0	0	0	0	0	0
15													
16	190	261	10	37	1	68	339	80	78	3	83	8	45
17	403	533	69	356	123	307	1491	237	80	16	310	27	279
18	2	0	0	0	0	3	10	4	0	0	1	0	1
19	29	1	0	5	0	9	40	29	2	1	0	1	7
20	1076	20	9	131	24	408	1711	749	98	13	102	75	202
21	18	4	3	2	4	8	26	11	1	2	5	3	7
22													
23	5	0	0	0	0	2	10	1	1	0	3	0	0
24	1	1	0	0	0	0	8	13	0	2	0	0	10
25	266	452	58	93	52	115	514	125	33	4	136	10	101
26	0	13	0	0	15	0	4	0	2	0	3	0	1
27	0	1	0	0	1	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	5	13	0	0	0	0	2
29	0	0	0	0	0	5	3	9	12	0	0	0	141
30	0	0	0	0	0	0	0	0	0	0	0	0	0
31													
32	1	2	2	0	2	0	0	0	0	0	8	0	5
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34	4	7	3	2	1	0	0	0	0	0	14	3	0
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36	20	3	0	0	1	0	0	0	0	0	0	3	0
37	0	0	0	0	0	0	0	0	0	0	0	3	0
38													
39	0	2	1	1	1	3	0	4	0	0	0	0	2
40	28	0	2	5	1	0	5	0	0	0	2	0	2
41	0	0	0	0	1	1	0	0	0	0	8	0	5
42	3	150	0	0	7	5	0	0	112	0	52	1	6
43	0	0	2	0	0	0	0	0	0	0	0	0	16
44	1	22	0	1	6	2	0	0	13	0	5	9	13
45	0	0	0	0	2	8	0	0	2	0	0	0	17
46	0	0	0	0	3	0	0	0	1	0	18	0	0
47	0	5	4	0	3	1	0	3	5	0	11	3	8
48	1	3	3	0	8	0	2	0	15	1	7	0	6
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50	2	136	1	2	22	8	4	0	77	1	32	2	39
51	2	3	0	0	0	1	0	1	1	0	0	0	0
52													
53	9	17	3	2	28	14	3	4	13	0	21	7	64
54	0	0	0	0	25	0	0	0	0	0	0	0	7
55	0	22	0	0	0	1	0	0	11	0	3	1	2
56	5	12	3	0	16	8	0	0	21	0	19	4	38
57	0	71	0	0	0	0	0	0	652	0	2	0	0
58	0	8	1	0	0	0	0	0	0	0	2	0	2
59	0	16	0	0	7	10	0	0	3	0	6	0	12
60													

1													
2	0	0	0	0	4	1	0	2	2	0	0	1	5
3	0	6	0	0	15	1	1	3	31	0	23	0	17
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7	2	40	1	1	194	70	0	6	4	0	10	2	286
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10	0	56	0	0	1	16	0	5	13	0	4	0	7
11	0	0	0	0	6	80	0	0	3	0	10	0	0
12	0	15	0	0	18	2444	0	0	30	0	84	0	12
13	0	1	0	0	0	5	0	0	0	0	0	0	5
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16	0	4	6	0	4	38	0	1	8	0	16	0	2
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19	0	0	0	0	0	0	0	1	0	0	0	0	0
20	0	9	5	1	4	69	0	9	1	0	138	0	154
21	0	19	0	0	37	77	0	0	28	0	95	0	564
22	1	20	0	0	9	18	0	0	2	0	0	0	1
23	0	0	0	0	0	2	0	4	0	0	0	4	0
24	0	0	0	0	6	1	0	16	0	0	4	0	3
25	0	2	0	0	0	3	0	0	0	0	0	0	0
26	2	36	0	0	0	0	0	0	2	0	9	0	0
27	1	11	0	1	0	6	2	9	1	0	5	0	46
28	0	0	0	3	0	0	0	1	0	0	0	0	3
29	3	0	0	0	11	14	1	20	1	0	8	0	57
30	0	0	0	0	0	1	0	1	0	0	0	0	4
31	6	1	0	0	1	2	0	0	0	0	1	0	30
32	0	0	0	0	0	2	0	19	0	0	0	0	0
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35	0	2	1	0	8	0	1	2	0	0	5	0	1
36	3	0	0	0	4	1	2	2	0	0	6	0	0
37	4	8	3	3	0	0	0	6	0	0	0	0	2
38	0	0	0	2	0	1	0	0	0	0	0	0	1
39	17	10	0	72	1	3	1	0	12	1	0	2	1
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41	0	0	6	0	0	1	0	2	0	0	0	0	6
42	11	1	9	12	0	4	2	14	2	4	0	9	1
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44	0	0	0	0	0	0	1	0	0	2	0	0	3
45	8	3	1	0	0	0	0	0	2	5	0	6	1
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48	0	1	0	0	0	0	0	2	0	0	18	2	31
49	0	1	0	0	0	0	0	0	0	1	1	1	19
50	13	9	29	5	100	4	29	12	10	79	104	76	108
51	0	7	4	3	36	10	102	1	22	75	37	30	39
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53	0	1	1	0	3	2	15	0	2	18	6	4	8

1													
2	0	0	0	0	1	0	2	0	0	3	5	0	2
3	51	95	9	2	186	6	43	24	10	79	541	40	142
4	0	2	1	1	4	0	3	1	0	2	14	3	6
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6	8	0	192	68	4	0	19	19	0	66	0	8	3
7	0	0	474	0	0	0	1	0	0	1	0	0	0
8	1	0	72	67	6	0	5	0	0	10	3	23	1
9	8	10	103	15	1	0	29	1	1	35	2	0	10
10	340	22	164	240	10	6	353	88	0	3	0	207	22
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13	2	0	123	18	40	9	37	3	0	172	13	68	70
14	2	0	3	1	2	1	1	2	3	0	1	2	1
15	0	0	3	0	1	0	6	0	0	7	0	3	6
16	51	8	75	260	24	7	10	76	29	51	26	23	32
17	37	23	182	157	50	4	18	103	98	140	37	47	45
18	4	6	0	0	3	4	0	0	0	0	0	1	8
19	12	18	1	2	17	2	2	0	31	1	0	4	6
20	0	4	0	1	0	0	0	0	9	0	0	2	0
21	11	22	5	15	8	1	0	0	9	7	0	2	4
22	0	3	1	13	0	1	3	0	3	11	0	4	11
23	0	0	0	0	0	0	0	0	0	0	0	1	0
24	1	8	13	10	5	0	0	0	8	17	17	0	35
25	13	7	6	4	118	6	2	0	33	14	1	52	13
26	0	3	0	1	17	2	2	0	8	0	0	16	3
27	3	0	3	2	12	0	0	1	5	9	23	7	4
28	1	1	0	6	1	2	0	0	3	0	2	25	1
29	8	16	0	3	17	10	3	0	3	0	24	10	4
30	15	6	2	2	5	8	0	0	8	0	5	0	3
31	0	0	15	1	0	31	0	20	1	0	0	0	3
32	1	12	0	0	5	2	0	0	0	0	0	0	13
33	95	44	20	8	36	29	6	185	54	1	57	0	64
34	5	16	8	1	7	6	0	4	11	0	10	1	10
35	4	3	5	0	4	1	0	2	4	0	1	0	3
36	29	0	51	1	8	45	16	5	98	3	12	0	12
37	1	0	3	0	0	2	0	0	3	0	0	0	2
38	4	28	24	2	15	1	0	0	23	0	5	0	74
39	10	1	1	1	22	0	1	0	24	0	12	6	0
40	0	6	1	0	3	0	6	0	3	0	0	0	9
41	2	8	1	0	21	0	1	0	3	0	23	0	5
42	0	3	2	0	5	0	0	6	2	0	0	0	1
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45	26	1	3	0	19	11	0	0	6	0	4	9	3
46	5	0	0	0	1	2	0	0	0	0	0	0	1
47	0	0	0	0	1	0	14	0	0	2	0	0	0
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49	18	10	8	4	18	3	0	11	14	0	22	3	0
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53	3	0	1	1	5	4	1	1	0	0	1	0	0

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8	0	8	2	0	1	0	5	0	0	2	11	22	6
9													
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21													
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30													
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49													
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54	0	5	1	4	0	46	0	0	0	0	0	2	23
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56	21	32	55	21	49	13	0	3	23	17	13	16	144
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58													
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25	15	300	39	63	339	325	26	67	468	7	442	14	496
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28	19	35	8	47	40	16	1	1	91	0	20	23	159
29	6	34	12	10	46	14	29	10	114	0	51	12	31
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37	3	2	0	0	3	0	0	0	10	0	1	2	0
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47	25	10	4	1	29	6	0	6	25	0	18	3	0
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49	1	2	5	1	0	3	117	0	0	0	5	2	1
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9	124	68	109	44	66	325	80	18	12	0	19	3	234
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24	6	87	26	5	52	17	5	3	35	2	24	8	90
25	386	48	147	43	129	12	0	14	8	15	41	170	15
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27	79	11	32	19	309	3	15	0	3	17	16	30	3
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31	3	66	0	1	199	0	0	0	7	0	77	0	0
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33	54	23	108	18	133	204	2	127	60	15	51	1	507
34	7	198	12	16	27	8	10	24	10	25	45	23	41
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37	3	0	7	39	11	8	6	0	2	0	9	53	4
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43	20	58	102	80	18	13	3	8	221	2	102	52	1
44	0	0	0	4	1	5	0	0	0	0	18	0	0
45	3	31	6	4	54	21	4	13	10	0	58	19	83
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15	43	0	2	120	95	0	0	1	5	0	0	10	0
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18	0	92	0	0	0	0	0	0	2	0	60	2	0
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22	0	0	12	0	2	12	82	0	7	77	15	5	22
23	13	0	20	0	5	0	5	0	0	0	0	0	1
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27	62	577	26	37	427	88	1	12	816	54	205	77	0
28	0	0	0	0	1	0	0	0	521	0	18	0	0
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31	14	11	0	1	6	4	1	2	10	0	0	13	14
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43	6	4	0	0	73	0	0	0	0	0	0	5	0
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46	109	5	1	0	4	19	0	2	2	0	2	4	17
47	0	0	0	0	6	0	0	0	0	0	0	0	0
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50	19	3	1	0	0	0	0	0	0	0	49	10	0
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53	29	2	10	9	2	0	0	0	5	2	23	1	7

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9													
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22	3	0	5	1	0	0	3	7	0	3	0	7	0
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24													
25	92	7	312	113	55	15	64	41	15	197	46	238	28
26	15	1	0	2	0	0	1	0	2	0	0	1	1
27	12	2	0	0	12	0	2	0	12	1	1	3	0
28													
29	155	0	0	9	66	7	162	129	2	425	118	260	153
30	0	27	36	2	97	0	13	0	0	56	24	12	99
31	104	0	1	19	7	1	2	4	2	3	9	0	0
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33	5	0	0	0	0	1	3	0	0	5	0	1	0
34	78	11	46	17	16	12	100	22	3	298	108	115	21
35	7	11	39	9	26	1	40	0	29	13	2	109	22
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39													
40	12	0	2	0	0	0	0	0	0	0	0	0	1
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42	13	11	43	10	1	9	7	14	3	6	0	1	0
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45	0	0	0	1	0	0	1	0	1	0	0	0	18
46													
47	27	12	4	0	3	1	3	0	1	11	12	18	10
48	13	4	7	5	10	5	14	3	1	1	0	2	11
49	1	0	0	0	5	2	0	1	0	0	8	2	1
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51													
52	15	2	2	2	15	0	13	0	32	2	1	2	0
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54	2	2	1	2	1	1	0	2	0	0	1	4	0
55	40	9	33	51	10	14	66	34	7	1	7	35	10
56	1	0	3	8	0	1	4	4	0	0	2	2	0
57	8	1	1	8	2	2	2	0	1	0	0	0	0
58													
59	150	22	52	343	44	29	172	113	10	0	27	69	35
60	1	2	2	3	0	0	2	1	1	0	1	0	0
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1													
2	0	19	0	0	0	0	4	0	7	0	0	0	0
3	5	2	1	7	1	0	2	1	1	0	0	0	2
4	3	1	3	6	1	0	5	1	0	0	0	0	2
5	0	1	0	0	15	5	3	0	1	0	0	0	2
6	0	0	0	0	8	13	1	8	0	0	0	0	39
7	0	0	3	0	0	0	11	0	0	1	0	2	2
8	1	0	4	5	1	0	15	0	0	0	0	4	0
9	0	0	9	2	1	0	1	1	0	1	0	8	3
10	20	5	846	440	16	25	475	102	0	243	227	1830	280
11	0	0	11	14	0	1	23	3	0	2	0	32	5
12	0	0	11	3	3	0	7	1	5	9	2	9	6
13	9	4	259	63	71	14	142	15	6	319	70	416	281
14	0	0	7	25	11	2	12	1	3	17	14	24	6
15	91	0	12	49	6	2	115	5	15	4	0	41	6
16	0	0	0	1	0	0	1	0	2	2	1	3	0
17	1	0	2	2	0	0	6	1	14	10	2	4	22
18	2	0	2	0	0	1	6	0	20	4	3	2	17
19	4	11	75	117	75	11	114	0	6	207	63	44	116
20	35	7	60	36	2	4	36	0	1	432	19	95	6
21	0	0	1	55	0	0	3	0	236	1	28	0	3
22	0	0	0	0	1	0	4	0	0	1	8	6	8
23	0	0	0	1	2	0	4	0	0	7	0	2	5
24	55	3	29	5	2	2	9	4	0	17	2	11	3
25	0	0	0	0	5	1	0	0	0	6	0	9	0
26	0	0	0	0	3	13	4	11	0	0	1	0	1
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28	5	1	0	0	1	0	3	0	0	0	2	1	1
29	1	3	2	1	4	2	3	0	6	0	0	6	0
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31	0	14	0	0	26	7	0	0	11	0	3	0	15
32	2	5	0	0	2	0	0	0	4	0	0	11	0
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34	0	0	4	0	0	3	0	0	0	0	0	5	0
35	11	0	1	6	0	0	0	0	1	0	0	0	0
36	8	0	20	4	4	6	3	28	0	3	3	20	12
37	0	0	0	0	0	0	9	0	0	0	0	42	8
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42	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	173	0	0	0	0
44	0	155	0	0	263	0	0	14	413	0	15	0	7
45	11	34	4	14	81	10	12	1	13	1	28	80	8
46	1	0	0	1	0	0	0	0	30	0	1	0	0
47	0	0	0	0	0	0	0	0	5	0	0	0	0
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49	15	0	0	1	4	0	0	0	16	0	0	1	2
50	6	0	49	183	4	2	53	0	0	0	19	23	59
51	0	0	0	0	0	0	0	8	0	0	0	0	0
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54	6	5	5	0	12	1	1	2	4	1	22	1	3

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6	4	771	0	1	141	21	0	1	267	0	222	0	76
7	0	25	1	0	3	0	0	0	12	0	0	0	0
8	0	0	0	0	0	0	0	0	0	3	0	1	2
9													
10	4	1	4	1	0	0	11	0	11	2	10	1	28
11	10	23	2	25	8	1	12	0	4	8	18	6	8
12	1	0	0	0	1	0	3	0	0	5	11	2	0
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15	0	42	0	1	2	0	0	0	5	0	39	0	0
16	0	17	0	0	6	0	1	0	0	0	3	0	0
17	0	17	0	0	6	0	1	0	0	0	3	0	0
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19	1	3	0	2	2	0	0	0	0	0	4	0	0
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21	0	0	2	0	0	0	1	0	0	3	0	0	9
22	0	7	1	0	0	0	0	0	7	0	2	0	0
23	2	0	9	0	0	0	1	0	0	0	1	1	0
24													
25	11	4	4	2	5	0	13	0	0	57	6	10	24
26	5	0	21	6	1	0	4	0	0	36	8	21	6
27	0	0	191	21	67	7	47	0	1	271	1	68	110
28	0	0	8	2	1	0	7	0	0	11	0	4	0
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31													
32	2	0	5	3	10	17	5	8	12	109	4	5	21
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35	3	2	2	2	2	0	1	0	0	0	6	6	0
36	44	30	4	6	29	8	7	5	90	0	4	21	1
37	28	0	0	0	2	8	0	0	2	0	0	0	1
38													
39	2	20	29	50	1	0	58	20	1	125	0	55	9
40	0	0	10	4	13	0	8	0	0	2	0	1	0
41	1	8	7	30	4	0	20	4	0	70	0	26	3
42	1	0	1	3	0	0	5	1	0	6	0	2	0
43													
44	31	1	23	4	10	1	71	0	0	43	0	32	3
45	28	0	48	0	5	1	51	0	7	23	0	16	6
46	1	0	3	4	2	1	1	2	3	0	0	1	0
47	33	4	46	73	19	10	15	12	82	1	5	42	1
48	4	12	7	8	1	0	46	0	0	37	3	4	1
49	0	0	1	0	0	0	2	0	0	0	0	14	4
50	0	0	2	0	0	0	22	0	0	0	0	13	8
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													

	T2-508	T2-509	T2-510	T2-512	T2-513	T2-527	T2-530	T1-657	T2-544	T2-547	T2-550	T2-551	T2-553
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7	0	3	1	0	0	1	0	0	1	0	1	4	0
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9	0	5	0	1	25	0	1	1	1	2	1	0	2
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18	2	2	0	0	9	1	2	1	0	2	0	0	0
19	0	1	0	0	0	0	0	0	0	1	0	7	0
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21	12	100	0	1	0	4	1	0	0	73	0	55	0
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23	0	0	0	0	0	1	0	0	0	0	0	3	0
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26	0	0	0	0	0	2	1	0	0	2	0	29	0
27	4	0	0	0	0	4	0	0	0	3	0	0	0
28	27	2	0	0	10	62	0	5	1	23	6	24	0
29	60	5	1	0	14	88	2	3	1	38	4	33	0
30	1	12	0	0	0	20	2	0	0	60	0	13	0
31	0	4	0	1	52	0	0	0	0	0	22	8	3
32	0	0	0	0	0	0	0	0	0	15	0	0	0
33	10	17	14	22	3	16	35	22	11	10	10	14	11
34	9	27	0	1	0	1	1	0	0	4	0	0	0
35	0	2	6	2	2	0	0	2	3	3	10	4	1
36	14	4	0	0	0	13	0	0	0	0	0	9	0
37	0	0	0	2	0	0	0	0	0	1	0	0	0
38	0	1	0	0	0	5	0	0	0	9	0	13	0
39	1	38	8	0	17	2	22	1	115	0	34	4	8
40	0	15	0	7	0	0	0	0	0	1	0	6	0
41	0	9	0	7	0	0	0	0	0	0	0	3	0
42	20	2	0	0	0	1	0	0	1	1	0	10	0
43	0	0	0	0	0	0	0	0	0	14	0	0	0
44	1	0	0	0	0	6	1	2	0	0	3	0	1
45	0	0	0	0	0	0	0	0	0	2	0	0	0
46	0	0	0	0	0	0	1	0	0	3	0	0	0
47	0	0	0	0	1	1	0	0	0	5	0	0	0
48	7	0	0	0	0	0	0	0	0	0	0	5	0
49	14	18	3	0	14	56	17	25	1	16	2	12	0
50	0	0	0	0	0	2	0	0	0	1	0	1	0
51	0	21	0	0	0	6	0	0	0	6	0	3	0
52	0	12	0	0	0	1	0	0	0	0	1	0	0
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54	0	7	0	8	0	7	0	0	1	28	0	12	1

1													
2	0	2	0	0	0	2	1	11	5	2	7	0	10
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4	28	9	0	3	0	0	0	0	2	27	0	3	0
5	0	0	0	0	0	8	0	0	0	0	0	16	0
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7	42	21	22	26	5	34	51	4	69	22	59	5	23
8	0	1	0	42	0	1	0	0	3	0	6	4	2
9	0	0	3	1	27	1	0	0	2	0	1	1	3
10	0	0	0	0	7	1	0	0	0	1	2	0	0
11	0	7	0	0	8	10	0	0	7	6	2	0	15
12	0	30	6	2	84	63	0	0	98	49	27	0	56
13	6	6	0	3	1	25	0	0	0	3	0	90	0
14	15	2	0	1	1	4	0	0	0	2	0	150	0
15	0	0	0	0	0	0	0	0	0	4	0	7	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	5	16	4	9	2	14	0	4	2	3	1	11
18	0	2	0	0	3	0	0	0	0	4	0	8	0
19	0	1	0	0	22	10	0	3	0	6	2	19	0
20	0	6	0	0	16	2	0	0	0	10	0	8	0
21	0	1	0	6	2	48	2	0	0	0	0	7	0
22	0	0	0	3	0	22	0	0	0	0	0	4	0
23	0	0	1	0	0	0	1	1	0	0	0	1	0
24	3	3	0	0	32	6	0	0	3	2	0	0	0
25	2	7	0	1	3	38	4	11	0	3	5	6	4
26	0	0	0	0	7	4	9	0	1	0	0	3	0
27	7	5	0	2	27	34	45	0	7	8	4	33	3
28	3	3	0	0	2	20	4	0	0	2	5	2	1
29	0	4	0	0	0	0	0	0	0	2	0	1	0
30	12	2	0	2	1	0	0	1	2	6	9	0	0
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32	0	1	0	0	0	0	0	0	0	1	3	0	0
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34	0	6	1	0	10	5	16	2	6	10	6	4	5
35	3	26	0	0	3	20	1	0	1	27	1	10	0
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37	0	0	2	1	10	1	0	2	3	3	3	6	4
38	0	0	0	0	2	0	1	0	0	2	0	1	0
39	53	5	2	0	9	8	6	12	35	3	3	13	20
40	13	0	1	0	12	0	0	7	6	4	0	0	0
41	1	0	2	0	7	0	0	0	0	0	9	3	0
42	44	0	2	4	15	1	10	11	21	2	0	1	1
43	0	0	3	0	10	0	0	0	0	0	0	0	0
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45	37	3	0	110	0	1	140	13	22	8	0	52	0
46	2	6	3	9	0	8	24	2	4	42	1	7	0
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49	4	1	1	0	0	0	0	5	0	2	0	1	0
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52	6	2	0	0	0	1	15	2	8	0	3	0	18
53	0	0	0	0	0	0	0	0	0	0	0	0	0
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1													
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11	0	0	0	0	0	0	0	0	0	58	0	0	0
12	1	3	0	8	69	0	1	0	0	4	13	10	0
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14	19	18	0	4	1	1	2	0	3	0	4	0	4
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20	44	16	33	132	141	54	71	226	38	81	106	187	37
21	0	0	0	0	0	0	0	0	0	0	1	6	1
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24	0	0	0	0	0	0	0	0	0	0	0	1	0
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26	196	0	0	27	0	10	0	0	0	1	0	4	0
27	0	0	0	0	3	0	0	0	0	0	0	0	0
28	27	0	12	7	0	0	37	3	18	0	2	9	6
29	0	0	0	1	2	0	1	0	0	9	0	2	0
30	6	0	2	0	0	6	2	0	0	0	0	0	0
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32	0	0	0	0	0	0	0	0	0	0	0	0	0
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36	5	2	0	0	0	14	0	1	0	0	0	0	0
37	8	12	0	0	0	7	3	13	1	0	0	5	0
38	15	0	1	0	2	35	0	0	0	0	0	0	0
39	15	0	2	1	0	31	6	1	6	5	3	3	11
40	4	4	0	0	0	0	1	2	0	2	1	0	0
41	0	0	1	1	0	3	0	0	4	0	0	0	0
42	0	0	0	0	0	5	0	0	0	0	0	0	0
43	0	2	0	0	0	0	1	0	0	0	0	0	0
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45	12	0	0	0	2	25	4	6	0	0	7	0	0
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47	8	0	14	13	21	0	1	0	15	6	1	3	9
48	267	5	306	250	345	6	34	2	527	51	18	43	189
49	5	0	6	3	16	0	0	1	15	0	1	0	9
50	17	8	0	4	0	7	5	1	0	3	2	2	0
51	50	16	25	41	4	40	15	84	15	22	11	18	1
52	3	0	0	0	0	0	0	0	0	0	0	0	0
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1													
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3	2	3	0	0	0	2	0	3	0	0	0	1	0
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5	35	20	37	15	0	14	6	23	7	10	4	11	0
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7	15	24	0	11	0	3	3	12	0	3	0	0	0
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9	15	26	1	1	4	6	0	2	0	13	0	17	0
10	100	91	5	24	29	33	0	6	3	79	0	63	0
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19	25	0	2	2	4	10	11	8	5	10	14	3	2
20	414	83	74	34	112	306	245	151	152	202	288	63	114
21	7	0	1	1	2	4	4	2	1	1	4	0	2
22	14	6	7	2	5	23	8	12	14	7	30	4	11
23	4	2	2	1	6	9	1	6	6	3	13	0	8
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25	60	1	2	245	44	42	292	8	0	11	98	20	3
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48	114	263	1169	497	146	158	43	3	16	63	204	405	77
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7	1064	410	2673	1052	267	935	551	381	899	361	1016	485	1106
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9	71	79	211	159	16	151	29	25	214	42	237	310	241
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23	9	27	13	4	6	12	24	15	86	9	24	13	143
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39	330	83	75	367	427	158	318	176	313	272	236	195	232
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46	120	118	401	428	307	489	290	280	190	124	447	293	413
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26	16	11	85	137	5	4	7	7	30	1	77	17	73
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28	0	1	0	3	0	0	5	0	4	0	5	0	0
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30	5	2	9	0	3	0	0	0	2	1	1	0	0
31													
32	740	71	910	1647	271	41	236	95	533	96	935	217	382
33	19	20	6	52	20	12	30	11	13	19	52	21	25
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35	28	37	1	219	42	15	99	13	41	30	153	42	43
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37	1	3	2	9	1	0	2	0	3	3	6	2	0
38													
39	50	0	2	0	0	151	5	0	3	17	104	12	5
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42	285	5	42	113	34	185	1583	304	333	25	471	20	0
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46													
47	444	13	58	172	16	280	10	99	0	0	19	3	15
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2	158	405	116	118	252	67	344	319	2550	765	31	570	149
3	0	1	0	11	0	6	0	0	0	4	5	6	1
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7	3	12	4	15	2	8	3	5	2	0	1	0	6
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14													
15	124	275	86	674	98	514	47	172	10	42	458	10	1050
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24	0	0	0	0	0	0	5	0	9	2	0	4	0
25													
26	92	55	23	41	170	0	1073	95	820	8	118	171	21
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31													
32	11	1	14	2	12	0	0	3	0	0	1	0	0
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34	3	20	10	11	2	18	5	0	3	4	40	9	97
35	1	0	0	0	0	0	3	1	1	3	0	9	0
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37													
38	105	30	0	52	0	17	65	57	11	47	4	124	0
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40	62	19	2	7	10	4	276	162	77	214	8	42	332
41	13	28	3	25	0	21	17	14	2	38	3	65	0
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45	9	2	5	6	0	19	0	2	0	0	1	0	0
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47													
48	374	21	4	3	0	38	2	79	0	22	0	11	0
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52	6	6	13	12	86	37	21	8	241	22	57	34	46
53													
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1													
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9													
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12	2	0	0	1	0	4	1	0	0	0	0	0	0
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14													
15	40	56	15	30	23	95	73	26	60	24	46	5	20
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19	26	14	2	5	20	13	21	60	0	47	0	19	8
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22													
23	78	27	0	11	12	0	29	36	0	150	0	22	21
24	8	7	0	9	13	6	0	18	0	33	0	36	0
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29													
30	90	313	305	308	732	394	726	220	123	388	355	379	147
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33	0	0	0	0	0	5	0	31	0	0	0	1	0
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36	0	0	0	0	0	0	0	0	0	0	0	0	0
37	0												
38		115	0	0	0	9	1	0	0	26	27	57	0
39	25	0	0	1	3	0	6	13	0	4	0	3	0
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41	0	12	6	11	23	0	7	5	3	0	1	13	7
42	0	2	0	7	3	0	2	28	0	15	0	96	0
43	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	1	0
45													
46	3	4	0	0	0	0	0	0	0	4	0	0	0
47	52	1	0	4	2	0	0	1	0	0	0	8	0
48	0	267	0	3	48	0	27	0	1	5	0	35	1
49	0	22	0	0	0	0	0	0	0	0	0	0	1
50	33	13	0	1	5	0	0	2	8	23	2	202	0
51	1	13	0	0	0	0	0	2	0	0	0	3	0
52													
53	31	231	0	0	0	0	0	6	2	4	0	35	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	1	64	0	0	0	0	0	0	0	0	0	0	0
56	0	2	0	0	0	2	2	6	0	3	0	0	0
57	7	38	3	19	0	46	47	69	6	2	5	7	0
58	1	9	2	17	5	6	3	12	10	0	9	3	1
59	0	3	0	2	0	1	0	0	1	0	2	0	0
60	0	1	0	1	0	0	3	2	0	0	1	0	0

1													
2	1	0	0	0	0	1	1	0	1	0	1	0	0
3	0	0	0	0	0	0	0	0	0	0	1	0	0
4	0	0	0	7	0	2	0	5	1	0	4	0	0
5	0	10	0	5	0	6	7	2	0	1	0	4	1
6	3	0	0	0	0	8	2	1	2	0	8	0	0
7	1	17	0	6	0	11	11	35	3	2	2	1	0
8	1	3	0	3	0	0	0	2	0	0	7	2	0
9													
10	203	29	33	4	72	69	34	4	48	11	28	26	21
11	0	0	0	0	0	0	1	0	0	0	2	0	5
12	0	0	0	0	0	0	0	0	0	0	1	0	0
13	0	0	0	5	0	0	2	2	1	0	0	0	2
14	0	0	0	0	0	0	0	0	0	0	0	0	0
15	7	0	0	2	0	0	12	0	0	3	0	18	0
16													
17	16	56	0	41	158	81	213	0	0	927	0	36	0
18	0	0	0	0	2	0	0	0	0	0	0	0	0
19	3	0	0	0	0	0	4	2	0	0	0	4	0
20	0	0	0	0	1	0	0	1	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0
22													
23	20	73	25	30	43	51	13	52	15	66	52	55	21
24	41	14	4	15	402	124	88	10	14	52	7	78	1
25	1	0	0	0	5	4	1	1	0	0	0	2	0
26	0	0	1	0	4	1	2	0	1	2	0	1	0
27	0	11	0	0	4	0	0	10	0	8	0	2	0
28	0	2	0	1	0	0	0	1	2	0	0	0	3
29													
30	125	138	59	41	166	147	110	132	133	114	135	57	108
31	0	0	1	1	1	5	1	0	1	1	0	2	0
32	0	0	0	0	1	0	1	1	0	0	0	1	1
33	14	34	28	5	58	95	8	8	10	1	17	28	4
34	84	127	100	107	297	379	71	131	49	16	93	32	147
35	4	9	1	6	6	14	8	2	0	2	5	2	6
36	6	5	0	0	0	6	1	0	0	0	0	0	0
37													
38	5	4	0	0	0	3	0	0	0	0	0	5	0
39	0	1	0	0	1	0	0	0	2	0	2	6	0
40	0	3	0	1	0	1	0	0	9	0	2	7	0
41	3	1	1	1	11	15	0	3	3	0	0	0	0
42	35	125	0	23	8	22	61	19	49	15	8	10	7
43	6	1	0	0	0	0	0	2	0	0	0	0	0
44													
45	4	0	0	0	20	2	18	0	0	1	0	14	8
46	34	9	0	0	27	4	14	26	16	3	23	6	0
47	2	2	0	0	0	22	13	0	0	1	0	7	0
48	9	87	0	6	18	0	6	1	7	186	47	149	0
49	0	1	0	0	0	0	1	0	0	3	2	6	0
50	22	38	0	9	3	3	12	19	0	58	14	23	0
51	1	12	5	6	16	10	20	30	22	5	5	13	8
52	4	71	0	7	1	3	1	90	0	12	0	18	0
53													
54	0	2	0	0	2	0	0	0	0	2	0	1	0
55	0	20	0	3	1	8	0	48	0	11	0	64	0
56	0	11	1	1	0	0	0	0	3	9	0	42	0
57	11	26	0	6	3	15	6	10	1	9	6	4	1
58	13	8	0	3	4	14	0	0	2	6	0	10	0
59	9	1	5	13	17	4	1	17	8	8	2	1	5
60	0	1	0	0	0	3	1	1	12	0	1	0	0

1													
2	17	0	0	0	0	1	11	2	9	6	43	2	2
3	0	2	0	0	1	0	0	0	0	0	0	4	0
4	1	137	0	0	16	0	0	0	1	0	22	133	0
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6	0	2	1	1	3	1	3	2	9	0	1	6	1
7	39	52	30	4	131	46	17	143	66	44	63	30	41
8	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	2	0	1	5	0	0	0	0	3	0	0
10	33	17	38	2	17	216	1	8	9	12	76	3	2
11	0	0	0	0	0	4	0	1	1	0	1	0	0
12	41	0	0	0	16	0	1	7	0	0	0	1	0
13	0	0	1	1	1	0	0	0	16	2	0	0	30
14	4	0	0	5	10	0	0	0	56	0	0	0	321
15	0	0	0	18	16	0	0	0	175	1	3	1	633
16	1	0	0	2	2	0	0	0	10	0	0	0	34
17	0	0	0	21	2	0	0	0	9	0	0	1	29
18	0	0	0	0	0	0	0	0	28	0	0	3	116
19	2	8	3	32	3	0	2	2	0	35	2	49	21
20	0	0	1	4	1	0	0	1	1	13	0	10	6
21	3	2	0	1	2	0	0	0	0	7	0	4	5
22	0	0	1	1	0	0	0	0	0	2	0	4	5
23	0	0	0	1	0	0	0	0	0	1	0	8	2
24	78	156	42	591	156	13	21	66	61	2166	10	2420	1002
25	0	0	0	1	0	0	0	0	0	4	0	4	3
26	1	6	1	12	9	1	0	3	2	64	0	61	21
27	10	13	0	20	0	14	56	0	4	219	31	1	0
28	3	0	0	0	1	0	0	3	0	0	0	0	0
29	17	0	0	0	0	2	0	1	2	0	1	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0
31	14	9	33	12	2	5	3	1	10	5	1	9	0
32	56	8	36	32	4	9	13	21	11	4	9	19	14
33	61	0	0	0	2	0	6	0	4	0	0	0	0
34	11	0	0	0	2	24	8	4	0	1	7	0	0
35	0	6	0	12	9	3	35	11	7	0	20	5	0
36	2	1	5	0	35	3	0	10	0	1	11	7	1
37	0	1	13	1	16	4	0	1	1	0	12	1	0
38	2	29	0	8	4	17	8	1	0	5	0	26	0
39	0	0	0	0	5	1	0	1	0	0	0	3	1
40	0	0	0	1	5	1	0	2	2	0	2	0	3
41	0	0	0	5	34	2	3	0	2	5	1	1	2
42	8	1	0	3	0	0	3	0	1	8	0	0	0
43	68	14	1	3	0	0	25	0	9	17	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	1	0
45	4	0	0	0	0	2	0	0	0	1	0	0	0
46	30	0	0	0	0	44	0	0	0	20	0	2	0
47	0	6	0	0	1	0	0	0	0	0	0	0	0
48	2	7	0	18	18	43	0	0	2	7	19	62	0
49	90	28	0	4	40	2	10	0	98	20	2	27	0
50	33	25	0	16	4	0	0	0	0	0	3	20	0
51	0	45	0	0	0	0	0	0	0	0	0	0	0
52	0	648	0	0	0	0	0	0	0	0	0	0	0
53	8	0	0	5	0	3	0	0	0	3	0	64	0

1													
2	22	0	0	4	0	0	0	0	0	8	0	2	0
3	0	59	0	0	7	0	0	0	0	0	0	0	0
4	0	450	0	0	0	0	0	0	0	0	0	0	0
5	11	7	0	5	2	19	1	1	7	12	7	1	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	6	0	0	4	0	0	0	0
8													
9	36	45	0	50	56	275	263	54	0	1	0	196	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0
11	31	3	12	2	15	9	9	0	62	2	0	3	15
12	3	13	0	4	0	7	14	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	19	0	0	0
14	0	3	0	0	0	0	0	0	0	0	1	0	0
15													
16	18	22	0	45	16	29	13	102	0	19	37	46	68
17	66	494	1	98	301	48	104	241	259	259	48	61	246
18	1	0	0	0	0	2	2	3	0	1	1	0	3
19	1	3	0	10	0	4	2	12	4	0	6	1	10
20	29	139	1	291	17	51	25	184	67	46	128	171	463
21	1	3	0	6	3	3	2	6	3	0	3	3	11
22	0	0	0	2	0	0	0	2	0	1	0	0	4
23													
24	25	0	2	7	11	0	2	40	5	0	0	1	0
25	21	172	2	80	100	15	62	152	84	91	27	34	99
26	1	0	0	0	1	0	0	1	0	1	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0
28	2	0	0	1	0	1	0	0	0	0	0	3	0
29	0	0	0	0	0	0	0	2	0	0	0	2	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0
32	0	2	0	1	2	2	3	7	1	4	0	0	0
33	0	0	0	2	0	0	0	0	0	1	0	0	0
34	0	3	0	5	4	0	2	2	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	15	0	2	0
36	1	1	0	3	1	2	3	0	4	5	0	9	0
37	0	0	0	0	0	0	0	0	0	40	2	36	0
38	0	0	0	0	0	0	2	0	2	0	0	1	21
39	0	0	0	0	0	0	0	0	0	0	0	0	0
40	3	0	0	0	11	1	12	0	0	1	0	12	1
41	0	2	0	0	0	10	0	0	0	11	0	0	0
42	5	9	0	0	7	4	2	4	0	11	0	16	0
43	0	0	9	0	0	0	0	0	12	0	14	0	0
44	0	0	0	0	2	0	3	0	0	24	0	5	0
45	0	0	0	0	3	0	0	0	0	0	2	3	1
46	0	0	0	0	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0	0	0	0	0
48	1	2	0	0	2	0	0	0	0	0	1	0	0
49	0	1	0	0	2	0	2	3	0	0	3	11	0
50	6	0	0	0	2	0	2	0	0	30	1	17	0
51	3	4	0	0	2	8	2	3	2	8	3	9	0
52	0	0	0	1	1	0	0	0	0	0	0	0	0
53													
54	0	5	2	0	52	3	10	0	0	0	0	3	0
55	0	0	0	0	4	0	0	0	0	0	3	0	0
56	0	0	0	0	2	1	0	0	0	11	0	0	0
57	2	0	0	0	33	0	3	0	0	6	0	4	0
58	0	0	0	0	0	0	0	0	0	1	0	0	0
59	0	2	0	0	0	0	0	0	7	0	2	0	0
60	0	0	0	0	2	2	0	0	0	13	0	4	0

1													
2	0	0	0	0	8	0	0	0	1	0	0	0	0
3	2	0	0	0	1	4	0	0	0	11	0	8	0
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6	0	0	0	0	3	1	0	0	0	0	0	6	0
7	2	1	0	0	4	8	0	0	0	18	1	15	0
8	0	0	0	0	1	1	0	5	0	1	0	2	0
9													
10	2	1	0	0	17	2	0	1	0	1	0	1	0
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12	0	0	0	0	1	0	0	0	0	0	0	0	0
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14	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	9	1	0	8	1	0	0	0	11	0	0	0
16	0	5	0	0	123	0	0	0	0	3	0	0	0
17	2	10	0	0	5	2	0	0	0	5	0	0	0
18	0	0	0	0	0	3	0	0	0	4	0	0	0
19	0	2	0	1	5	5	0	0	0	15	0	0	0
20	0	25	0	0	0	0	0	0	0	0	0	0	0
21	0	9	0	1	52	7	5	1	0	1	0	13	0
22	0	4	0	0	24	6	0	0	0	19	0	3	0
23	0	1	0	0	0	2	0	0	0	0	1	3	0
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26	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	1	0	0	1	0	0	0	0	0	0	0	0
29	5	4	0	1	6	3	2	10	1	0	0	4	0
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31	1	1	0	0	11	0	1	10	0	2	0	1	0
32	0	0	0	0	0	0	0	0	0	0	0	0	0
33	0	3	0	0	1	0	0	0	0	0	0	3	0
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36	7	0	0	0	0	0	0	0	0	0	0	0	0
37	7	1	0	0	0	0	0	0	0	0	0	0	0
38	0	8	0	0	0	2	2	0	3	0	0	0	0
39	3	1	0	1	0	0	0	2	2	0	0	2	0
40	0	8	0	0	7	7	1	6	0	0	1	0	1
41	0	1	0	0	0	0	1	3	2	0	2	0	0
42	2	3	0	17	11	2	0	0	5	0	12	2	13
43	0	0	0	0	1	2	0	19	0	0	0	0	0
44	1	3	0	0	1	19	2	5	0	0	0	0	0
45	32	7	0	11	0	18	13	2	5	11	11	1	0
46	0	0	0	0	19	0	0	0	0	0	0	1	4
47	0	0	0	0	14	0	0	0	0	0	0	1	3
48	1	0	2	0	2	0	3	3	14	2	0	1	5
49	4	0	0	0	1	0	0	1	27	1	31	5	0
50	1	0	0	2	1	0	0	5	1	1	1	0	1
51	0	6	1	0	0	16	19	0	2	0	2	0	0
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53	8	107	18	7	51	124	92	50	38	62	51	71	26
54	5	53	23	11	12	38	134	2	69	21	27	37	53
55	1	3	1	0	1	2	6	0	5	0	2	1	0
56	1	12	1	2	4	8	25	1	12	5	7	3	2

1													
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3	20	85	112	7	36	158	96	55	21	48	37	40	16
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7	0	0	0	1	12	0	1	7	1	0	0	0	0
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9	0	15	66	0	80	34	5	17	21	4	39	2	25
10	32	185	1	28	13	386	129	142	31	756	69	86	200
11	1	0	0	0	0	0	4	0	0	0	0	68	0
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13	3	40	23	31	1	33	76	0	45	35	51	15	5
14	3	0	0	3	0	0	6	0	5	0	0	1	0
15	1	6	9	24	2	3	8	1	2	13	7	2	0
16	124	5	28	172	16	15	163	93	238	29	18	15	6
17	82	7	70	118	38	38	360	81	299	45	63	28	25
18	0	4	0	0	1	0	0	0	0	6	0	2	0
19	6	5	7	5	0	1	1	0	1	6	0	3	0
20	0	0	17	0	3	0	1	1	1	1	6	14	2
21	0	0	3	13	15	0	0	4	14	7	64	10	26
22	3	0	6	10	3	0	0	3	13	4	78	39	18
23	0	0	0	0	0	0	0	0	0	0	1	7	4
24	0	0	2	0	4	3	0	3	2	0	23	9	4
25	7	11	8	31	66	4	0	2	21	22	22	17	26
26	0	0	4	8	7	3	0	0	2	1	34	20	3
27	2	3	3	0	6	2	0	4	2	4	8	4	2
28	2	2	1	31	8	0	0	0	10	5	16	8	9
29	1	4	1	2	15	1	0	0	7	1	5	22	0
30	1	11	0	2	1	0	1	0	0	5	0	8	0
31	0	0	0	4	0	0	14	5	11	2	0	0	0
32	0	0	0	0	1	0	1	0	0	1	0	1	0
33	8	21	0	7	9	5	10	6	13	23	11	22	3
34	2	5	1	2	3	0	5	2	0	5	1	2	0
35	0	1	0	0	0	0	0	0	0	0	0	0	0
36	0	29	2	1	6	34	27	28	6	0	4	2	15
37	0	3	0	0	0	2	1	2	1	0	0	0	1
38	0	5	0	3	17	6	54	0	0	6	0	0	0
39	2	6	0	0	4	0	0	0	0	0	0	5	0
40	0	0	0	0	0	1	0	0	0	1	0	4	2
41	0	2	0	0	5	0	0	0	0	4	0	0	0
42	0	0	0	0	0	1	0	1	5	0	0	2	0
43	0	0	0	1	7	6	3	0	0	2	3	4	0
44	0	1	0	2	1	4	4	5	0	2	3	3	1
45	11	3	0	14	0	9	7	0	9	20	2	10	0
46	2	0	0	0	0	1	1	0	0	3	1	1	0
47	1	0	0	0	0	5	0	0	0	2	0	0	0
48	0	6	8	0	2	1	1	0	1	2	6	2	1
49	9	1	0	20	0	0	12	7	0	3	0	0	0
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43	92	111	2	129	36	143	9	10	2	8	0	66	0
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24													
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29	14	33	113	14	22	19	27	3	23	24	12	0	20
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32	3	6	2	3	9	3	4	0	7	0	1	3	1
33													
34	35	251	35	204	1072	126	319	40	183	131	115	46	57
35	137	5	12	9	76	4	38	4	86	17	26	8	20
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8	0	6	0	0	1	0	0	6	10	0	2	2	2
9	1	2	3	1	8	5	3	2	8	4	3	0	15
10													
11	142	365	345	239	1346	34	169	555	1056	790	206	34	1694
12	3	9	16	9	19	0	1	13	24	17	4	4	33
13	3	6	8	4	10	3	2	7	7	7	5	1	14
14	90	200	349	148	360	85	29	135	299	64	555	47	882
15	22	84	58	9	12	4	4	2	20	54	17	16	7
16	59	17	13	19	31	5	106	22	27	14	9	434	31
17	0	0	3	0	2	0	0	1	0	0	0	7	2
18													
19	101	7	6	12	1	2	1	1	1	14	0	4	2
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21	29	85	280	26	166	38	43	29	22	73	107	51	44
22	21	49	180	17	164	8	13	6	50	30	53	34	6
23	0	13	0	1	0	4	0	1	3	2	2	10	0
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25	0	3	3	0	2	1	0	0	8	0	0	33	11
26	8	8	19	2	3	0	1	4	7	1	9	1	19
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31	0	0	0	0	0	0	4	4	2	2	3	3	0
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33	6	11	8	0	1	7	9	0	31	39	65	17	20
34	54	4	0	3	1	15	7	0	0	25	4	12	0
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36	1	3	1	1	3	4	4	0	8	1	2	0	1
37	0	0	0	0	0	1	0	0	0	0	0	0	0
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39	99	35	3	37	5	17	116	15	232	4	19	3	4
40	0	0	0	17	6	1	0	0	0	0	0	6	22
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42	36	16	91	12	51	2	24	0	70	22	47	30	14
43	1	4	0	0	0	0	0	0	2	9	3	24	1
44	0	0	0	0	0	0	0	0	0	0	0	0	0
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46	240	76	0	0	0	0	0	0	0	0	0	100	0
47	61	7	4	0	15	109	9	1	12	33	14	156	4
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49	0	5	1	0	0	0	0	0	0	68	0	84	0
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53	0	0	0	2	0	0	0	0	0	1	0	0	0
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56	3	4	2	2	0	1	2	3	0	7	0	5	0

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17	1	1	3	0	6	0	0	3	0	3	0	0	0
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19	0	4	0	0	6	0	0	0	0	0	1	0	0
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23	7	5	19	14	58	21	9	11	9	18	5	17	7
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27	0	1	0	0	0	0	0	0	0	0	1	2	0
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30	0	0	0	0	0	2	0	0	0	0	0	1	0
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35	47	5	51	42	15	19	90	94	52	16	37	4	47
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37	16	1	16	37	8	15	34	38	46	11	19	4	14
38	1	0	1	2	1	0	4	4	6	1	1	1	11
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40	2	5	14	28	6	8	19	11	30	14	11	28	56
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46													
47													
48													
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1													
2													
3													
4	T2-555	T2-556	T2-559	T2-560	T2-565	T2-599	T2-600	T2-602	T2-605	T2-607	T2-608	T2-612	T2-614
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9	18	2	1	1	0	0	0	0	1	3	0	7	5
10	125	0	0	0	0	2	0	3	0	0	0	2	70
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25	0	1	6	21	0	0	4	0	26	0	0	149	0
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28	7	14	7	43	51	91	51	0	54	2	24	62	0
29	3	0	29	2	134	20	0	0	44	0	0	3	0
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31	0	2	0	0	27	0	0	0	1	0	0	0	0
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33	0	145	7	0	21	48	4	2	388	5	0	0	16
34	4	0	3	0	1	0	0	2	0	26	4	0	1
35	0	0	0	5	0	0	0	0	2	0	0	0	0
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37	0	10	60	51	0	0	0	0	1	0	0	0	0
38	0	0	1	2	0	1	13	0	1	10	6	7	15
39	0	1	0	11	32	0	0	0	0	0	0	6	1
40	0	1	0	5	23	0	0	0	1	0	0	0	0
41	2	0	0	1	3	0	3	0	2	0	2	1	0
42	0	1	0	4	6	4	0	0	1	0	1	0	0
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45	0	0	0	1	3	0	0	0	3	0	0	2	0
46	0	0	0	0	4	0	0	0	3	0	0	2	0
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48	7	51	114	29	97	6	265	0	2	0	4	16	53
49	0	4	5	0	0	0	9	0	0	0	0	0	2
50	1	0	0	0	0	19	1	0	0	0	21	0	0
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53	23	2	2	149	34	7	69	0	18	0	12	0	33

1													
2	3	0	0	0	0	0	1	2	0	3	0	0	8
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7	0	2	11	4	27	22	2	1	12	3	38	27	12
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11	8	0	19	6	0	8	3	1	0	2	2	4	28
12	45	2	117	26	2	47	2	25	0	38	22	26	249
13	0	1	0	0	6	2	13	0	77	1	1	2	0
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18	2	6	10	1	0	6	0	0	25	0	0	46	0
19	0	0	5	0	3	1	0	5	4	13	11	5	35
20	0	0	0	1	1	0	0	0	1	5	0	0	4
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25	0	6	4	0	1	2	12	0	3	0	3	3	8
26	7	11	106	50	22	30	83	2	61	1	40	11	131
27	0	4	1	1	3	0	4	0	6	0	0	1	4
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33	7	3	17	3	10	5	15	2	0	3	7	8	2
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36	5	7	0	5	0	4	6	4	13	0	2	1	5
37	0	0	1	1	0	0	0	0	5	0	0	0	0
38	1	6	1	0	5	0	11	0	1	6	1	3	12
39	0	10	10	13	1	14	1	6	5	0	1	6	0
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41	1	16	9	0	2	0	60	3	7	17	9	0	1
42	16	0	0	0	0	0	0	0	0	0	0	1	0
43	0	3	0	0	4	12	0	0	0	0	16	8	0
44	4	6	0	13	1	0	15	2	0	15	7	14	9
45	109	0	42	12	40	3	6	0	6	15	4	5	0
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48	0	3	6	1	1	0	4	0	1	1	0	0	0
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59	0	0	0	0	1	0	0	0	0	0	0	0	0
60	0	0	0	0	1	0	0	0	0	0	0	0	0

1													
2	16	0	0	0	0	0	0	0	7	0	3	23	0
3	0	0	0	0	1	0	0	0	0	0	0	2	0
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9													
10	16	0	0	0	0	27	0	0	0	0	1	0	139
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14	10	26	62	50	24	64	20	3	7	1	61	123	12
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17	1	0	1	4	1	9	17	0	3	0	5	0	0
18	0	2	1	2	2	3	15	5	3	2	10	3	8
19	0	6	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	10	0	0	1	0	0	39	7
21													
22	325	115	239	102	341	74	105	43	78	46	152	46	11
23	1	0	1	1	0	2	1	0	0	0	0	0	0
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25	0	2	0	6	1	2	1	0	0	5	2	2	5
26	0	1	0	1	0	0	3	0	0	0	0	0	0
27	0	2	0	0	0	0	2	0	0	0	0	0	0
28	0	0	0	2	0	0	39	0	34	0	0	46	0
29	0	0	1	0	1	0	0	0	0	0	0	0	0
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31	0	0	0	0	0	0	0	2	0	0	1	1	0
32	0	0	0	0	0	0	0	0	0	0	0	0	6
33	0	0	0	0	0	0	0	0	0	0	0	0	0
34	0	1	2	11	6	0	0	0	0	0	0	0	0
35	0												
36	1	68	13	51	20	7	41	1	29	3	14	117	0
37	0	0	0	0	0	0	0	0	0	0	0	1	0
38	0	0	0	0	0	0	0	0	0	0	0	0	0
39	0	2	0	2	1	0	0	0	4	0	0	10	0
40	3	0	6	16	14	4	10	0	3	2	6	5	0
41	0	0	0	5	21	0	0	0	0	0	0	0	1
42	1	4	11	5	6	5	16	0	2	3	12	0	17
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45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	3	0	0	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	817	0	0	0	3	0	0
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50	2	1	0	3	98	31	0	0	57	0	0	30	0
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52	39	10	94	36	0	36	13	67	7	285	32	23	0
53	1	0	1	2	0	3	2	2	0	4	1	1	0
54	0	23	1	21	25	23	22	0	6	4	0	22	11
55	0	119	40	129	86	17	18	0	26	0	17	65	156
56	0	1	0	0	0	1	10	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	2

1													
2	0	0	0	10	0	3	0	0	1	0	0	0	0
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6	0	6	0	0	3	3	3	0	0	0	0	0	0
7	0	143	1	18	197	5	243	0	15	0	0	52	0
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10	16	90	161	123	73	291	27	1	81	3	16	254	1
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17	8	4	13	16	4	15	1	1	7	7	13	2	18
18	148	99	316	293	210	264	63	24	178	72	289	30	480
19	4	0	5	11	0	16	0	0	0	2	2	3	11
20	11	2	7	8	0	7	2	6	1	5	23	2	32
21	2	2	4	7	2	0	0	3	0	4	8	0	17
22	0	0	0	0	0	1	0	0	0	0	0	0	0
23	19	95	45	16	12	8	19	17	88	2	466	2	2
24	8	323	36	5	89	277	229	0	98	11	21	263	33
25	4	767	18	169	118	186	57	0	84	11	26	174	118
26	1	3	0	5	1	2	2	0	3	0	1	0	4
27	0	6	4	125	57	183	0	0	51	6	1	24	2
28	1	42	0	38	3	0	2	0	3	0	0	0	0
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33	0	48	41	28	10	2	15	0	56	0	4	71	0
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7													
8	301	117	342	108	131	314	182	1683	67	1607	418	185	1419
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11	742	150	937	89	122	517	302	3940	145	2143	1168	373	3029
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48	18	244	74	93	41	69	208	202	43	157	247	110	108
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8													
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29	49	221	86	338	133	218	75	685	94	729	214	500	452
30	10	11	22	11	2	6	17	20	4	17	6	10	28
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32	15	29	19	11	2	9	22	60	14	20	24	26	50
33	3	3	3	0	3	6	11	46	2	14	2	3	2
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38	320	25	18	41	61	1	4	1	28	317	839	84	1187
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50	0	3	6	0	2	0	2	1	0	10	14	1	20
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7	0	0	0	0	0	5	0	2	12	3	4	4	0
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37	26	74	203	88	3	11	33	0	5	33	100	16	18
38	0	61	0	50	114	3	0	0	9	1	0	0	0
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40	21	67	195	79	2	6	14	0	5	21	29	11	17
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51	145	73	563	405	394	363	287	23	89	84	610	67	190
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54	0	73	12	17	17	2	0	0	79	0	0	74	0
55	0	21	258	60	85	25	782	0	63	28	83	37	0
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57	27	0	0	0	0	0	0	0	0	0	0	0	0

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5	71	7	0	0	29	21	0	6	0	5	0	0	48
6	2	0	0	0	0	0	0	10	0	2	1	1	3
7	8	0	0	0	0	0	1	0	0	2	2	2	0
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9													
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11	10	1	21	22	13	32	4	4	29	3	17	4	19
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14	30	207	74	85	70	90	55	2	77	2	34	31	52
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21													
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24	467	5	44	10	23	43	5	0	24	0	11	117	4
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27	0	0	0	1	1	0	0	0	0	1	1	1	0
28													
29	1522	60	379	371	283	186	181	97	284	83	445	356	264
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39	0	0	0	0	0	0	4	0	0	1	5	0	5
40	8	3	5	2	1	6	70	0	1	18	11	59	0
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45	4	7	1	32	4	8	2	0	0	3	27	24	2
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54	0	20	0	16	8	7	15	8	2	0	15	3	26
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56	1	4	2	0	1	1	4	0	0	0	1	0	0

1													
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9													
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15	0												
16		131	239	64	8	0	0	0	1	0	0	0	0
17	119	217	55	96	23	18	103	0	66	2	20	106	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0
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22													
23	52	20	22	100	26	44	48	6	23	18	55	57	11
24	30	39	33	3	21	47	7	4	92	8	134	25	7
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29													
30	96	67	75	147	122	85	105	23	282	19	147	186	170
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38													
39	8	0	75	8	17	0	4	0	0	0	0	52	0
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43	2	2	0	2	5	0	0	0	3	0	0	0	0
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45													
46	11	36	0	13	59	2	9	0	26	0	38	32	3
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52	4	1	16	46	44	10	15	0	30	1	19	25	0
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1													
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28	6	21	15	7	3	2	0	0	0	14	0	56	16
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34	0	17	5	22	0	12	31	6	9	12	41	2	11
35	3	0	11	6	0	11	2	0	16	5	0	0	0
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37	12	18	45	8	23	12	0	0	0	0	21	14	0
38	17	19	4	0	0	3	2	2	1	11	4	1	0
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42	10	1	0	0	0	0	0	0	1	2	0	0	0
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46	0	2	0	0	21	0	0	0	0	0	0	0	0
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51	159	225	11	68	68	89	60	0	202	1	103	153	1
52	2	13	1	8	4	3	8	0	0	0	8	61	0
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55	388	4	4	2	26	0	0	0	0	0	1	2	0

1													
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6	0	0	0	0	0	3	26	0	0	0	0	100	0
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8													
9	187	1205	377	217	359	29	334	2	88	22	36	8	0
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13	0	0	0	0	1	0	0	0	0	0	0	0	0
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15													
16	31	4	4	2	80	4	28	5	44	36	53	17	87
17	99	511	29	581	184	443	358	171	187	193	232	315	165
18	0	2	0	1	0	0	2	0	1	3	0	1	2
19	3	7	0	1	12	0	6	0	9	5	2	1	14
20	172	382	2	87	502	35	302	40	288	293	376	107	506
21	0	3	0	5	7	4	2	2	18	5	3	3	9
22	2	1	0	0	2	0	2	0	1	1	1	0	4
23	1	43	5	1	0	2	0	0	5	2	0	3	6
24													
25	32	147	6	188	90	149	83	55	87	82	131	125	109
26	2	1	2	0	0	18	0	1	2	0	0	0	0
27	0	2	0	0	0	1	0	0	0	0	0	0	0
28	0	2	0	0	0	2	4	0	0	0	0	0	0
29	2	0	0	0	0	4	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0
31													
32	1	0	1	1	0	27	1	0	5	0	3	0	0
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34	0	0	0	1	7	0	0	0	0	1	3	1	0
35	37	0	0	0	0	0	1	0	1	1	4	10	0
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37	78	0	0	2	0	0	0	0	0	0	1	27	0
38													
39	1	0	0	28	0	0	2	0	0	0	16	0	0
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41	0	0	1	1	1	0	0	0	8	0	0	1	1
42	0	3	21	2	5	5	2	0	18	0	9	11	0
43	7	0	0	0	0	0	0	0	0	6	4	6	8
44													
45	13	1	1	4	1	3	3	1	1	0	1	1	3
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47	0	0	0	4	2	8	0	0	5	0	0	0	0
48	4	0	5	10	1	5	3	2	11	0	3	2	0
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50	19	12	48	4	3	0	4	0	6	1	1	9	0
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52	0	3	7	1	0	0	0	0	6	0	4	0	1
53													
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57	3	0	11	2	9	5	0	0	17	0	0	14	0
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60	18	1	0	0	3	0	0	0	3	0	0	1	0

1													
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26	0	5	0	1	2	0	2	0	2	0	0	1	0
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29	2	19	6	3	4	3	2	3	5	0	2	11	0
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38	0	0	0	0	2	0	0	0	0	3	2	0	0
39	0	0	0	1	6	5	0	5	0	0	5	11	0
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42	0	6	0	0	0	4	0	0	3	0	12	6	0
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45	0	0	1	0	1	1	0	1	0	0	3	1	0
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52	67	14	44	95	73	68	24	14	123	49	26	42	22
53	23	10	25	31	27	16	83	26	28	47	10	25	10
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55	5	2	6	2	6	1	10	3	8	2	2	1	0

1													
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10	118	402	1302	96	398	344	399	0	255	91	589	153	282
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13	426	159	12	5	48	2	11	30	19	60	129	3	86
14	0	4	4	1	4	5	10	1	1	1	1	2	4
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16	78	90	80	96	102	114	310	53	189	38	77	43	157
17	29	339	170	46	265	204	188	113	113	42	41	138	142
18	8	0	0	1	12	0	0	0	4	0	1	0	0
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22	3	3	1	1	0	6	0	3	4	3	0	34	0
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25	22	340	5	7	14	13	10	2	31	40	25	24	22
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29	1	2	2	9	34	3	0	0	8	3	15	7	4
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36	5	30	5	33	5	11	14	1	35	7	6	27	25
37	0	1	1	7	0	0	1	0	1	0	2	1	1
38	10	10	8	3	11	7	0	0	12	0	8	3	0
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40	2	0	2	2	0	0	0	0	0	0	0	1	0
41	1	3	0	0	0	0	0	0	2	0	3	2	0
42	1	1	0	1	4	1	0	0	0	0	5	0	0
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9													
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60													

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7	0	1	1	0	1	0	1	2	0	1	0	0	2
8	0	2	3	1	1	5	1	5	0	0	2	0	6
9	0	5	2	2	0	0	1	7	0	2	6	13	9
10													
11	40	432	369	238	109	494	164	290	119	48	289	331	1000
12	0	8	9	3	1	12	4	3	1	1	3	1	45
13	4	2	1	6	0	2	2	9	4	3	2	6	17
14													
15	147	98	21	27	148	92	71	398	35	226	113	157	227
16	12	87	63	85	62	88	33	9	91	8	5	143	27
17	3	84	168	36	67	24	118	63	80	21	4	14	15
18	0	5	2	0	3	0	1	2	2	1	0	2	1
19	16	6	5	3	15	5	4	2	3	6	5	36	2
20	13	6	0	3	23	2	2	0	0	5	4	31	2
21													
22	99	155	171	146	108	150	65	49	47	111	27	104	80
23	32	71	24	27	7	33	8	31	28	65	23	38	10
24	2	7	1	15	2	15	0	0	36	3	0	6	20
25	10	53	0	25	53	21	0	1	32	0	9	57	2
26	278	0	0	1	3	0	0	3	1	2	8	0	0
27	58	5	17	4	0	7	12	4	20	31	6	11	10
28	11	1	0	0	0	0	0	22	47	0	2	2	865
29	0	3	1	13	0	1	2	0	3	0	0	2	7
30	0	0	0	1	5	0	0	0	0	0	0	0	0
31													
32	2	1	2	5	2	3	1	0	0	1	1	0	0
33	4	0	5	1	2	0	10	0	0	0	2	0	0
34	8	0	18	8	5	12	8	10	11	33	4	30	5
35	76	4	22	2	9	2	0	0	23	0	0	61	2
36	0	0	0	1	0	1	1	0	1	0	0	2	0
37													
38	11	1	2	2	1	1	3	0	0	9	4	1	1
39	0	0	0	0	6	3	21	0	0	0	3	3	1
40	0	1	2	2	0	0	0	0	7	0	0	14	0
41	6	107	12	17	16	15	162	1	16	35	28	23	51
42	0	2	0	1	2	10	0	1	10	2	18	8	44
43	1	1	2	0	0	1	1	2	0	4	2	5	0
44													
45	25	15	26	15	19	21	56	8	15	88	116	89	20
46	5	0	0	0	0	1	0	1	0	1	0	39	0
47	0	0	0	0	0	0	1	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	1	0	0	0	0
49	0	0	353	70	122	30	0	0	158	0	0	13	0
50	2	77	41	207	220	57	98	1	88	13	36	30	1
51	1	2	0	1	3	3	0	0	1	0	2	0	2
52	0	0	33	68	67	0	0	0	30	6	0	9	0
53	0	3	4	6	9	3	2	0	5	0	1	0	0
54	0	3	0	2	7	1	2	0	6	1	1	2	0
55													
56	58	30	5	14	9	23	41	84	0	100	9	3	263
57	1	0	0	6	2	1	2	0	0	0	0	0	4
58	0	0	20	45	16	0	0	0	33	0	1	1	0
59	0	2	0	0	0	2	4	0	5	0	3	0	0
60	30	9	6	2	14	3	5	0	11	9	3	0	0

1													
2	2	0	2	0	0	0	0	0	0	0	0	0	6
3	36	1	4	0	0	1	1	0	4	0	1	19	2
4	58	2	2	18	3	9	6	6	7	18	17	3	24
5	0	0	0	0	1	3	0	0	0	0	0	8	0
6	38	13	157	0	174	250	1	0	301	8	61	1279	0
7	2	0	6	0	4	12	1	0	6	0	5	32	0
8	0	0	0	0	0	0	0	21	0	4	0	0	2
9	0	5	0	3	4	11	4	8	5	2	1	5	4
10	16	13	1	1	0	22	0	5	5	7	3	44	7
11	3	0	0	1	0	2	0	7	0	2	0	0	0
12	1	1	0	0	0	0	0	2	0	2	0	0	1
13	49	3	1	2	0	4	0	7	6	3	0	5	2
14	0	0	36	24	0	5	0	0	29	0	0	137	0
15	3	1	0	1	0	0	0	1	1	0	0	1	0
16	2	0	2	2	0	2	2	0	9	1	0	4	2
17	0	5	0	0	1	0	0	0	8	0	0	43	0
18	17	0	0	0	1	1	0	1	1	3	0	0	0
19	5	4	1	0	0	2	2	2	1	0	0	1	1
20	11	2	0	1	0	1	0	1	6	0	0	0	2
21	15	1	0	0	0	0	0	4	0	4	0	0	0
22	82	27	3	8	1	26	6	16	27	16	5	20	17
23	25	22	4	12	0	12	2	17	4	15	29	0	7
24	183	1	10	5	72	53	13	86	3	255	49	0	46
25	1	0	0	2	5	8	0	11	0	15	2	0	9
26	3	0	0	0	0	0	0	0	1	0	0	0	0
27	22	1	2	1	8	2	8	0	1	22	20	4	1
28	68	0	0	0	4	13	1	0	8	26	5	18	0
29	3	0	0	0	0	0	0	0	0	3	0	0	0
30	0	0	0	1	3	2	2	0	1	0	0	0	0
31	1	3	2	4	7	2	0	0	5	0	4	5	0
32	7	53	13	25	115	11	47	2	33	2	6	11	6
33	0	8	0	13	5	0	9	0	31	2	0	0	0
34	23	53	53	14	10	0	16	17	14	183	26	0	21
35	1	0	0	0	3	0	1	2	0	25	3	3	0
36	12	17	20	9	4	16	13	6	2	78	14	1	16
37	2	6	3	2	0	0	0	2	0	7	0	0	2
38	70	8	5	16	19	2	12	13	5	50	20	4	9
39	37	6	4	18	5	2	4	1	12	40	31	9	18
40	3	6	2	1	3	2	8	0	4	2	3	0	3
41	31	123	17	20	34	31	91	5	45	9	74	12	50
42	38	7	4	4	0	3	0	10	2	7	1	0	1
43	7	0	0	0	0	6	0	1	0	2	0	0	4
44	18	0	0	0	0	0	0	3	0	5	1	11	4
45													
46													
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													

	T2-639	T2-640	T2-658	T2-659	T2-661	T2-657	T0-548	T1-662	T2-636	T0-614	Kingdom
5	6	3	0	0	0	2	1	0	0	0	k__Bacteria
6	10	6	0	0	34	0	12	0	0	1	k__Bacteria
7	2	0	0	0	0	0	20	0	1	1	k__Bacteria
8	0	1	1	0	0	0	5	0	1	2	k__Bacteria
9	6	1	2	0	0	4	13	0	3	18	k__Bacteria
10	2	0	3	0	0	0	0	0	0	0	k__Bacteria
11	9	0	0	1	0	0	0	0	0	0	k__Bacteria
12	0	0	0	2	1	0	0	0	0	0	k__Bacteria
13	5	0	24	89	0	0	0	0	0	0	k__Bacteria
14	5	9	4	1	1	3	0	0	1	0	k__Bacteria
15	12	0	3	42	4	1	0	21	0	0	k__Bacteria
16	9	9	3	3	1	2	0	0	3	3	k__Bacteria
17	7	3	2	0	2	2	0	0	6	0	k__Bacteria
18	1	0	0	20	0	0	3	0	0	0	k__Bacteria
19	0	0	2	0	0	0	2	0	0	0	k__Bacteria
20	90	1	69	271	23	102	1	0	0	0	k__Bacteria
21	2	0	0	3	2	3	0	0	0	0	k__Bacteria
22	2	0	0	2	0	0	5	0	0	0	k__Bacteria
23	1	0	1	0	0	0	1	0	0	0	k__Bacteria
24	17	0	8	5	13	0	33	0	0	2	k__Bacteria
25	4	0	0	5	5	0	0	0	0	1	k__Bacteria
26	0	0	0	0	0	0	0	0	0	0	k__Bacteria
27	12	12	12	3	0	80	2	0	3	1	k__Bacteria
28	25	19	24	210	8	122	2	0	4	0	k__Bacteria
29	281	0	100	74	5	0	2	0	0	0	k__Bacteria
30	0	6	0	0	0	15	0	0	1	0	k__Bacteria
31	31	0	0	0	0	0	0	0	0	0	k__Bacteria
32	0	22	11	3	6	36	30	0	32	14	k__Bacteria
33	2	0	10	12	35	38	0	0	3	0	k__Bacteria
34	0	0	1	0	0	1	2	0	4	22	k__Bacteria
35	4	0	0	0	1	0	0	0	0	0	k__Bacteria
36	0	0	0	1	12	0	10	0	0	0	k__Bacteria
37	7	0	0	0	60	0	0	0	0	0	k__Bacteria
38	1	1	14	0	0	0	1	0	8	2	k__Bacteria
39	34	4	0	0	112	0	0	0	0	0	k__Bacteria
40	14	2	1	0	59	0	0	0	0	0	k__Bacteria
41	2	1	0	2	1	0	0	0	0	0	k__Bacteria
42	4	0	7	3	2	0	0	0	0	0	k__Bacteria
43	2	2	2	17	4	6	0	0	0	0	k__Bacteria
44	4	0	4	8	0	2	0	0	0	0	k__Bacteria
45	8	0	1	10	0	0	1	0	0	0	k__Bacteria
46	8	0	1	13	0	0	0	0	0	0	k__Bacteria
47	15	0	0	3	0	0	0	0	0	0	k__Bacteria
48	9	16	49	1	8	77	15	0	17	1	k__Bacteria
49	0	0	0	0	0	2	0	0	1	0	k__Bacteria
50	2	0	1	3	0	0	2	0	0	5	k__Bacteria
51	0	0	2	0	0	0	0	0	0	2	k__Bacteria
52	2	7	5	0	4	0	2	0	8	22	k__Bacteria
53	6	0	32	15	23	0	2	0	2	0	k__Bacteria

1										
2	2	3	5	0	0	1	5	0	0	0 k__Bacteria
3	0	0	0	9	2	1	0	0	0	0 k__Bacteria
4	0	0	9	22	4	1	0	0	0	0 k__Bacteria
5	1	0	20	4	0	0	0	0	0	0 k__Bacteria
6	0	0	7	20	0	0	1	0	0	1 k__Bacteria
7	1	142	63	0	2	13	111	0	205	37 k__Bacteria
8	0	8	3	9	0	0	2	0	5	2 k__Bacteria
9	5	1	0	0	0	0	0	0	0	1 k__Bacteria
10	2	5	0	0	0	0	1	0	6	2 k__Bacteria
11	0	0	2	0	0	0	0	0	0	0 k__Bacteria
12	4	0	31	0	0	3	0	0	31	0 k__Bacteria
13	0	0	16	22	0	0	0	0	0	0 k__Bacteria
14	0	0	31	30	0	1	0	0	0	0 k__Bacteria
15	0	0	0	1	0	0	0	0	0	0 k__Bacteria
16	0	0	0	1	0	0	0	0	0	0 k__Bacteria
17	0	12	7	0	0	11	0	0	28	1 k__Bacteria
18	3	0	11	0	0	0	0	0	0	1 k__Bacteria
19	50	2	0	16	7	5	0	0	0	0 k__Bacteria
20	0	0	34	1	0	0	0	0	2	2 k__Bacteria
21	6	0	2	6	0	0	0	0	0	0 k__Bacteria
22	6	0	0	0	0	0	0	0	0	0 k__Bacteria
23	0	3	1	1	0	0	7	0	1	9 k__Bacteria
24	3	0	14	2	1	0	0	0	0	0 k__Bacteria
25	22	1	2	35	3	1	4	0	10	5 k__Bacteria
26	2	9	6	2	0	0	0	0	0	0 k__Bacteria
27	3	29	105	7	13	6	0	0	13	0 k__Bacteria
28	1	3	4	0	0	0	0	0	0	0 k__Bacteria
29	1	0	3	2	1	0	0	0	0	0 k__Bacteria
30	5	7	10	0	2	4	6	0	0	0 k__Bacteria
31	3	0	0	2	3	0	0	0	0	0 k__Bacteria
32	3	4	0	6	1	0	1	0	0	0 k__Bacteria
33	0	10	5	2	4	1	0	0	0	0 k__Bacteria
34	1	7	8	0	4	4	4	2	15	1 k__Bacteria
35	4	11	0	56	3	0	1	0	2	0 k__Bacteria
36	0	19	0	0	6	0	1	0	6	0 k__Bacteria
37	11	10	4	7	9	3	4	0	6	2 k__Bacteria
38	1	0	1	0	0	0	0	0	0	0 k__Bacteria
39	0	0	3	0	5	7	0	0	52	1 k__Bacteria
40	0	4	1	0	0	42	0	0	1	0 k__Bacteria
41	0	0	6	0	0	0	0	0	2	0 k__Bacteria
42	0	0	2	3	0	1	8	4	143	0 k__Bacteria
43	2	0	0	0	0	0	5	0	0	9 k__Bacteria
44	11	0	0	63	0	0	0	0	0	0 k__Bacteria
45	2	4	17	8	12	0	1	0	5	3 k__Bacteria
46	9	0	0	158	11	0	0	0	0	0 k__Bacteria
47	0	0	1	0	0	0	0	177	0	0 k__Bacteria
48	0	1	0	5	3	6	0	0	7	0 k__Bacteria
49	0	0	0	5	0	11	0	0	2	0 k__Bacteria
50	0	0	0	1	1	1	0	0	1	0 k__Bacteria
51	4	2	4	0	3	11	2	0	2	4 k__Bacteria
52	0	2	11	0	0	0	0	0	0	0 k__Bacteria
53	0	0	0	0	1	0	0	5	0	0 k__Bacteria
54	1	0	0	4	0	0	0	0	0	0 Unassigned

1										
2	0	0	1	0	3	0	0	2	0	0 k__Bacteria
3	1	0	0	3	1	1	0	1	0	0 k__Bacteria
4	0	0	0	0	0	0	0	67	0	0 k__Bacteria
5	0	0	0	0	0	0	0	72	0	0 k__Bacteria
6	0	0	0	0	0	0	0	1	0	0 k__Bacteria
7	0	2	1	5	14	11	0	0	0	0 k__Bacteria
8	0	0	0	0	1	0	1	0	1	0 k__Bacteria
9	0	0	0	7	0	0	0	0	0	0 k__Bacteria
10	0	0	10	0	0	0	0	0	0	0 k__Bacteria
11	0	0	0	0	0	0	0	0	0	0 k__Bacteria
12	0	0	0	0	0	0	0	0	0	0 k__Bacteria
13	1	6	2	1	37	45	1	0	0	0 k__Bacteria
14	177	88	104	13	145	33	24	12	38	50 k__Bacteria
15	0	0	2	0	2	0	3	37	1	14 k__Bacteria
16	2	1	9	2	4	0	0	0	0	0 k__Bacteria
17	18	7	3	7	14	2	0	2	2	0 k__Bacteria
18	5	12	5	2	6	14	3	10	18	11 k__Bacteria
19	0	0	0	0	0	0	0	0	0	0 k__Bacteria
20	0	49	0	0	17	2	7	1	34	17 k__Bacteria
21	101	46	113	178	101	132	47	597	102	28 k__Bacteria
22	0	0	0	2	0	0	0	2	0	0 k__Bacteria
23	0	0	10	1	0	0	0	0	0	0 k__Bacteria
24	3	2	0	3	2	5	1	4	6	1 Unassigned
25	1	0	0	1	21	0	0	4	0	0 k__Bacteria
26	0	0	0	17	20	0	1	33	0	0 k__Bacteria
27	70	0	0	20	0	0	0	0	0	1 k__Bacteria
28	0	0	0	0	0	0	0	65	0	0 k__Bacteria
29	0	0	0	0	2	4	1	5	17	1 k__Bacteria
30	9	1	0	1	0	0	0	0	0	0 k__Bacteria
31	13	1	3	67	0	0	0	0	0	0 k__Bacteria
32	6	0	0	0	0	0	0	0	0	0 k__Bacteria
33	0	0	0	3	9	0	0	0	0	0 k__Bacteria
34	86	11	14	41	154	2	2	204	1	5 k__Bacteria
35	1	0	0	0	2	2	0	3	0	0 k__Bacteria
36	0	0	0	0	0	0	0	9	0	0 k__Bacteria
37	6	0	0	0	27	2	2	4	0	0 k__Bacteria
38	5	6	4	1	24	8	0	0	1	0 k__Bacteria
39	181	28	7	45	1	0	0	0	22	1 k__Bacteria
40	3	5	8	3	2	7	2	0	25	0 k__Bacteria
41	2	4	2	2	3	6	1	15	0	2 k__Bacteria
42	1	0	0	0	3	6	0	11	1	0 k__Bacteria
43	0	0	4	38	0	0	0	0	0	0 k__Bacteria
44	0	0	21	0	0	0	0	0	0	0 k__Bacteria
45	0	0	0	0	0	0	0	0	2	0 k__Bacteria
46	0	13	2	10	1	6	4	10	4	10 k__Bacteria
47	0	0	7	29	1	0	0	0	0	0 k__Bacteria
48	0	4	1	0	2	0	1	0	0	3 k__Bacteria
49	4	93	21	2	75	30	30	0	11	49 k__Bacteria
50	1	5	1	0	1	4	1	0	0	0 k__Bacteria
51	24	10	14	20	27	8	0	23	0	0 k__Bacteria
52	47	50	50	18	125	227	6	230	13	3 k__Bacteria
53	0	3	1	0	0	5	0	0	3	0 k__Bacteria
54	0	0	2	0	0	1	0	10	0	0 k__Bacteria

1										
2	0	0	0	0	3	0	0	0	0	0 k__Bacteria
3	0	5	4	7	3	0	1	0	1	0 k__Bacteria
4	0	8	21	3	4	11	6	48	4	9 k__Bacteria
5	9	26	17	4	53	19	1	148	7	0 k__Bacteria
6	1	1	0	0	0	0	0	2	0	0 k__Bacteria
7	57	41	3	12	93	1	1	52	11	1 k__Bacteria
8	1	2	0	0	1	0	0	2	1	0 k__Bacteria
9	71	1	94	15	22	7	1	5	0	2 k__Bacteria
10	367	5	333	94	100	54	4	25	4	9 k__Bacteria
11	5	0	20	0	1	0	0	6	0	1 k__Bacteria
12	0	0	1	0	1	0	0	0	0	0 k__Bacteria
13	1	0	2	1	1	0	0	2	0	0 k__Bacteria
14	0	0	4	2	0	0	0	0	0	0 k__Bacteria
15	0	0	3	0	0	0	0	0	0	0 k__Bacteria
16	1	12	4	1	0	0	18	3	8	20 k__Bacteria
17	3	31	9	2	3	9	8	3	9	4 k__Bacteria
18	49	509	150	94	35	152	252	40	226	110 k__Bacteria
19	0	2	2	3	2	0	19	4	4	1 k__Bacteria
20	0	13	12	0	0	3	56	4	12	40 k__Bacteria
21	0	8	9	1	1	1	13	1	5	7 k__Bacteria
22	0	0	0	131	140	5	0	0	0	0 k__Bacteria
23	2	125	43	23	39	43	0	11	126	0 k__Bacteria
24	67	85	257	6	100	177	12	11	90	3 k__Bacteria
25	39	67	213	15	170	317	11	357	65	2 k__Bacteria
26	3	3	1	1	3	0	0	0	0	1 k__Bacteria
27	32	20	71	112	74	2	0	0	0	0 k__Bacteria
28	8	0	15	15	3	0	0	0	0	0 k__Bacteria
29	0	0	2	5	1	1	0	0	0	0 k__Bacteria
30	124	21	113	141	142	97	2	2	11	0 k__Bacteria
31	11	8	16	1	17	46	0	0	0	0 k__Bacteria
32	23	230	55	13	69	46	3	9	6	6 k__Bacteria
33	0	130	25	60	124	6	0	7	0	0 k__Bacteria
34	50	28	61	76	196	25	1	0	0	0 k__Bacteria
35	46	67	67	55	41	4	0	0	0	0 k__Bacteria
36	49	0	0	393	1074	4	1	2	0	0 k__Bacteria
37	0	0	0	0	0	0	6	8	1	6 k__Bacteria
38	0	37	1	0	0	5	12	0	4	12 k__Bacteria
39	0	1	0	0	0	0	2	5	3	4 k__Bacteria
40	38	59	18	1	35	55	51	174	88	23 k__Bacteria
41	0	0	0	0	0	0	10	1	1	13 k__Bacteria
42	21	25	77	10	14	40	3	0	12	1 k__Bacteria
43	0	0	0	0	0	0	12	0	0	5 k__Bacteria
44	0	5	5	0	0	2	70	0	3	44 k__Bacteria
45	0	0	0	0	0	0	23	0	2	5 k__Bacteria
46	57	65	87	7	0	43	683	73	188	333 k__Bacteria
47	0	0	2	0	0	0	38	1	4	22 k__Bacteria
48	0	5	18	3	6	11	29	5	11	17 k__Bacteria
49	0	0	2	1	1	3	1	0	4	2 k__Bacteria
50	0	0	2	0	0	1	19	2	0	6 k__Bacteria
51	0	0	0	0	0	1	1	0	0	0 k__Bacteria
52	0	3	14	2	2	2	61	8	28	67 k__Bacteria
53	0	0	3	0	0	0	2	0	1	0 k__Bacteria

1										
2	0	0	1	0	0	0	5	1	7	3 k__Bacteria
3	0	1	2	1	0	1	3	0	0	0 k__Bacteria
4	70	191	351	145	239	304	374	99	431	146 k__Bacteria
5	0	0	3	2	2	1	4	2	5	3 k__Bacteria
6	1	2	4	4	2	1	4	1	6	2 k__Bacteria
7	0	2	1	0	2	1	3	2	4	4 k__Bacteria
8	1	2	15	1	1	1	0	41	0	2 k__Bacteria
9	1	2	5	3	0	3	6	2	0	1 k__Bacteria
10	0	10	8	0	0	0	15	3	6	17 k__Bacteria
11	0	0	3	1	0	2	1	12	0	0 k__Bacteria
12	0	6	0	2	3	5	8	5	0	8 k__Bacteria
13	0	0	12	0	0	0	0	0	1	0 k__Bacteria
14	0	0	5	0	1	0	17	0	1	0 k__Bacteria
15	0	1	8	0	4	0	7	0	2	3 k__Bacteria
16	0	0	18	0	1	4	93	4	4	80 k__Bacteria
17	0	1	0	0	0	0	3	2	3	2 k__Bacteria
18	0	0	2	0	0	0	29	1	3	33 k__Bacteria
19	1	11	7	8	1	4	2	0	8	10 k__Bacteria
20	0	0	12	0	0	2	35	0	2	19 k__Bacteria
21	0	12	7	2	4	0	15	6	1	9 k__Bacteria
22	0	1	2	0	2	18	2	0	2	10 k__Bacteria
23	1	1	4	0	4	11	1	3	2	10 k__Bacteria
24	0	4	3	1	1	1	2	1	3	6 k__Bacteria
25	0	0	2	0	2	6	0	2	3	3 k__Bacteria
26	2	3	2	0	0	6	6	6	8	1 k__Bacteria
27	1	22	20	6	10	32	24	12	10	67 k__Bacteria
28	0	24	13	5	7	34	19	17	10	65 k__Bacteria
29	0	3	4	0	1	4	5	5	2	12 k__Bacteria
30	0	3	2	1	1	4	0	0	0	6 k__Bacteria
31	0	5	1	0	0	0	30	2	1	30 k__Bacteria
32	0	2	5	1	6	3	3	6	9	9 k__Bacteria
33	0	2	2	1	0	1	5	3	1	6 k__Bacteria
34	0	0	0	0	3	0	0	1	0	2 k__Bacteria
35	0	52	3	0	0	3	1	96	1	8 k__Bacteria
36	1	0	3	0	0	0	8	0	3	7 k__Bacteria
37	0	1	8	1	0	0	9	5	8	43 k__Bacteria
38	1	11	3	0	1	3	7	0	2	14 k__Bacteria
39	0	0	0	0	0	1	6	0	0	8 k__Bacteria
40	0	10	12	0	3	2	57	28	15	38 k__Bacteria
41	2	4	2	0	0	5	1	3	1	12 k__Bacteria
42	367	3209	2585	760	865	2057	2351	3505	3315	4417 k__Bacteria
43	0	1	1	2	0	7	1	3	1	4 k__Bacteria
44	0	0	0	0	0	0	6	0	2	2 k__Bacteria
45	2	1	10	0	4	2	27	6	11	30 k__Bacteria
46	0	0	4	1	0	0	12	1	2	20 k__Bacteria
47	0	0	27	1	0	2	6	3	8	17 k__Bacteria
48	1	1	22	1	1	2	19	2	13	64 k__Bacteria
49	2	0	6	3	1	3	19	1	14	26 k__Bacteria
50	1	3	12	6	5	0	14	13	6	22 k__Bacteria
51	0	0	0	0	0	0	7	0	1	2 k__Bacteria
52	7	10	102	6	8	24	42	23	32	169 k__Bacteria
53	0	0	26	7	2	5	0	1	10	1 k__Bacteria

1										
2	0	0	3	1	0	2	4	1	2	8 k__Bacteria
3	0	0	3	1	0	0	6	2	1	10 k__Bacteria
4	0	0	3	0	1	0	3	0	3	15 k__Bacteria
5	0	1	6	0	0	3	4	2	4	4 k__Bacteria
6	0	0	1	0	0	2	6	1	6	13 k__Bacteria
7	39	250	739	81	157	219	1555	601	1012	2875 k__Bacteria
8	0	1	10	3	0	0	8	1	7	10 k__Bacteria
9	7	11	132	12	31	70	229	28	204	509 k__Bacteria
10	75	434	1582	158	299	761	1963	583	1517	4097 k__Bacteria
11	0	0	0	0	0	0	11	0	0	9 k__Bacteria
12	1	0	5	0	1	0	4	0	4	5 k__Bacteria
13	0	0	13	0	0	4	19	2	17	26 k__Bacteria
14	0	3	13	1	2	5	8	9	13	4 k__Bacteria
15	0	2	1	0	0	0	1	3	1	5 k__Bacteria
16	1	2	3	0	2	0	6	3	0	1 k__Bacteria
17	2	37	26	6	5	22	54	45	48	77 k__Bacteria
18	1	2	2	1	3	2	1	6	2	5 k__Bacteria
19	0	0	5	0	2	4	9	4	3	15 k__Bacteria
20	1	30	27	1	8	7	26	23	37	71 k__Bacteria
21	3	7	10	0	5	7	16	9	18	43 k__Bacteria
22	1	12	21	5	0	3	87	67	0	77 k__Bacteria
23	0	6	16	2	1	4	49	13	17	37 k__Bacteria
24	0	3	6	0	0	1	16	14	2	14 k__Bacteria
25	0	3	1	0	0	0	7	2	2	16 k__Bacteria
26	0	7	3	2	1	3	7	1	2	3 k__Bacteria
27	0	0	0	1	0	0	13	0	1	0 k__Bacteria
28	2	2	4	3	0	0	6	2	17	11 k__Bacteria
29	0	0	0	2	0	0	8	0	10	7 k__Bacteria
30	8	20	0	0	0	0	0	1	0	0 k__Bacteria
31	2	2	5	0	2	0	1	10	0	0 k__Bacteria
32	48	174	167	39	17	62	39	194	2	2 k__Bacteria
33	0	6	11	0	0	1	6	16	0	0 k__Bacteria
34	1	2	18	0	1	1	34	29	8	44 k__Bacteria
35	0	0	3	0	0	0	1	2	1	0 k__Bacteria
36	0	0	0	0	0	0	0	0	4	2 k__Bacteria
37	0	62	40	0	3	2	48	1	46	2 k__Bacteria
38	0	16	17	0	2	4	17	1	8	1 k__Bacteria
39	175	127	351	17	151	165	373	802	471	232 k__Bacteria
40	3	0	9	0	1	2	7	4	0	4 k__Bacteria
41	0	0	3	0	0	0	8	7	0	1 k__Bacteria
42	10	22	27	0	23	9	8	82	10	3 k__Bacteria
43	26	83	158	7	70	38	13	220	43	9 k__Bacteria
44	0	2	10	0	0	4	42	21	2	61 k__Bacteria
45	0	3	2	0	0	0	33	4	0	9 k__Bacteria
46	31	110	110	72	97	109	532	152	203	270 k__Bacteria
47	0	1	5	3	0	3	3	8	0	4 k__Bacteria
48	0	1	0	0	0	0	0	0	0	0 k__Bacteria
49	54	16	14	46	34	28	1	9	0	2 k__Bacteria
50	0	0	3	0	0	2	0	0	0	0 k__Bacteria
51	0	0	1	0	2	4	4	0	0	2 k__Bacteria
52	0	1	1	0	0	3	1	0	1	1 k__Bacteria
53	2	0	0	0	0	7	0	0	0	0 k__Bacteria

1										
2	192	42	90	62	514	1883	39	0	78	79 k__Bacteria
3	0	0	0	0	0	3	0	0	0	0 k__Bacteria
4	0	0	3	1	4	14	6	1	2	26 k__Bacteria
5	0	0	1	0	0	2	0	0	0	0 k__Bacteria
6	12	0	0	20	3	1	0	23	0	0 k__Bacteria
7	0	1	1	0	1	4	0	0	2	0 k__Bacteria
8										
9	130	38	20	75	56	336	4	9	18	6 k__Bacteria
10	4	1	6	0	1	0	0	0	0	0 k__Bacteria
11	0	0	3	2	0	0	0	0	0	0 k__Bacteria
12	7	1	0	2	265	2	0	106	0	7 k__Bacteria
13	3	2	7	2	0	4	1	0	0	0 k__Bacteria
14	10	57	234	240	59	80	1	2	15	0 k__Bacteria
15	0	0	1	2	0	1	0	0	0	0 k__Bacteria
16	0	12	2	0	2	0	0	0	0	0 k__Bacteria
17	0	0	0	0	0	2	20	2	1	16 k__Bacteria
18	0	0	10	0	6	0	7	10	1	5 k__Bacteria
19	0	0	0	0	0	0	16	0	1	6 k__Bacteria
20	0	0	0	0	0	0	4	0	3	5 k__Bacteria
21	1	1	0	0	0	0	4	0	3	5 k__Bacteria
22	0	1	0	0	0	0	26	5	0	2 k__Bacteria
23	0	1	0	0	0	0	9	11	0	8 k__Bacteria
24	0	0	0	0	2	0	1	0	0	3 k__Bacteria
25	0	14	22	0	0	3	180	64	7	188 k__Bacteria
26	0	0	2	0	0	0	13	10	0	5 k__Bacteria
27	0	6	1	0	0	0	1	14	0	0 k__Bacteria
28	0	0	2	0	0	1	20	6	1	4 k__Bacteria
29	1	0	2	0	0	1	20	6	1	4 k__Bacteria
30	1	3	1	0	0	2	7	3	0	4 k__Bacteria
31										
32	138	266	479	30	474	252	1301	1060	273	558 k__Bacteria
33	16	8	14	7	5	9	87	2	6	54 k__Bacteria
34	1	1	1	0	0	2	11	0	0	10 k__Bacteria
35	30	14	23	2	7	11	188	4	6	104 k__Bacteria
36	4	3	8	5	10	2	9	12	10	11 k__Bacteria
37	1	0	1	0	0	1	5	0	0	0 k__Bacteria
38	6	10	50	12	91	0	6	0	34	4 k__Bacteria
39	0	8	1	0	0	1	0	16	1	2 k__Bacteria
40	0	35	11	1	0	6	0	79	4	14 k__Bacteria
41										
42	26	2022	146	7	8	310	11	1696	107	36 k__Bacteria
43	1	3	0	0	0	0	1	8	0	0 k__Bacteria
44	1	30	2	0	0	4	0	14	0	1 k__Bacteria
45	0	9	1	0	0	2	1	20	0	0 k__Bacteria
46	7	15	62	26	44	61	21	10	33	7 k__Bacteria
47	0	1	2	0	0	1	1	1	0	1 k__Bacteria
48	12	2	12	10	8	39	66	0	1	2 k__Bacteria
49	0	0	1	0	0	0	0	0	9	7 k__Bacteria
50	0	0	1	2	2	0	1	0	8	7 k__Bacteria
51	0	0	0	2	1	0	1	1	1	3 k__Bacteria
52	0	0	2	1	0	0	0	0	2	6 k__Bacteria
53	0	0	0	0	1	0	3	0	0	4 k__Bacteria
54	0	0	5	1	0	0	3	0	77	42 k__Bacteria
55	0	0	0	1	2	0	3	0	5	3 k__Bacteria
56	0	1	2	2	2	0	1	0	8	4 k__Bacteria
57	0	0	0	0	0	0	0	0	4	3 k__Bacteria
58	0	0	1	2	4	0	0	0	5	2 k__Bacteria
59	0	0	1	2	4	0	0	0	5	2 k__Bacteria
60	0	0	1	2	4	0	0	0	5	2 k__Bacteria

1										
2	18	65	164	401	310	63	29	2	2910	272 k__Bacteria
3	0	1	9	2	0	0	0	0	0	3 k__Bacteria
4	4	1	75	18	14	0	1	1	0	62 k__Bacteria
5	20	3	32	8	13	5	3	0	2	0 k__Bacteria
6	18	53	80	0	24	118	0	1165	6	10 k__Bacteria
7	3	2	31	0	5	6	6	0	3	12 k__Bacteria
8	15	3	39	14	4	5	5	1	0	18 k__Bacteria
9	20	20	66	22	44	55	54	0	10	19 k__Bacteria
10	2	12	48	8	46	33	16	0	12	10 k__Bacteria
11	2	0	9	23	100	0	0	0	0	0 k__Bacteria
12	3	0	32	6	32	0	0	0	0	1 k__Bacteria
13	75	97	601	26	249	367	495	1	115	136 k__Bacteria
14	2	3	33	0	6	27	22	0	5	6 k__Bacteria
15	1	0	5	1	1	2	0	0	0	1 k__Bacteria
16	0	1	2	0	4	6	3	0	0	1 k__Bacteria
17	0	0	1	1	2	0	8	0	2	1 k__Bacteria
18	0	0	3	0	0	0	5	0	0	2 k__Bacteria
19	5	4	34	0	4	5	75	0	10	46 k__Bacteria
20	0	0	3	0	0	0	1	0	0	0 k__Bacteria
21	0	0	0	0	0	0	19	0	0	3 k__Bacteria
22	0	4	4	3	0	0	3	0	7	1 k__Bacteria
23	65	405	313	734	80	98	69	0	641	66 k__Bacteria
24	0	4	2	1	1	0	2	0	3	0 k__Bacteria
25	2	1	9	2	0	0	0	0	0	0 k__Bacteria
26	0	3	7	0	0	0	0	0	3	0 k__Bacteria
27	0	5	3	2	0	0	13	0	10	6 k__Bacteria
28	0	2	0	0	20	0	2	10	0	0 k__Bacteria
29	0	0	0	0	0	0	1	4	0	11 k__Bacteria
30	0	0	15	7	0	3	65	40	1	34 k__Bacteria
31	0	0	0	5	0	1	1	0	1	0 k__Bacteria
32	0	8	1	8	0	18	1	0	1	0 k__Bacteria
33	3	128	16	95	57	311	1	0	26	0 k__Bacteria
34	14	10	38	162	0	0	0	0	0	0 k__Bacteria
35	26	288	62	107	23	140	520	1	76	34 k__Bacteria
36	0	98	16	45	47	279	0	0	12	0 k__Bacteria
37	0	0	1	0	0	0	14	0	0	0 k__Bacteria
38	0	13	5	3	0	4	47	0	5	12 k__Bacteria
39	0	0	0	0	1	0	26	0	1	0 k__Bacteria
40	0	3	0	0	0	0	1	0	0	0 k__Bacteria
41	0	0	4	1	0	0	1	0	0	14 k__Bacteria
42	39	4	6	24	145	19	3	9	0	96 Unassigned
43	13	0	0	82	191	3	0	0	0	0 Unassigned
44	98	3	47	210	11	0	0	0	0	0 k__Bacteria
45	0	6	0	0	0	2	17	1	6	33 k__Bacteria
46	13	33	12	0	8	28	3	3	32	16 k__Bacteria
47	126	384	162	174	83	636	308	35	383	297 k__Bacteria
48	0	2	0	0	0	5	4	0	4	11 k__Bacteria
49	0	0	0	0	0	0	1	0	2	0 k__Bacteria
50	5	10	0	80	120	0	1	0	0	1 k__Bacteria
51	4	130	35	280	403	202	6	0	1	0 k__Bacteria
52	0	0	0	0	0	0	0	0	0	0 k__Bacteria
53	0	0	0	0	0	0	0	0	0	0 k__Bacteria

1										
2	39	27	16	2	25	12	1	0	3	1 k__Bacteria
3	0	6	7	21	0	0	0	0	2	0 k__Bacteria
4	22	4	20	22	7	13	0	5	1	3 k__Bacteria
5	0	0	14	1	0	3	12	154	33	151 k__Bacteria
6	1	0	5	0	0	0	4	3	5	23 k__Bacteria
7	0	0	7	0	0	0	5	1	6	17 k__Bacteria
8	0	0	1	0	0	0	15	0	6	6 Unassigned
9	0	19	0	14	10	78	0	1	0	1 k__Bacteria
10	8	34	11	6	16	60	22	204	23	13 k__Bacteria
11	11	1	0	15	1	0	0	0	0	0 k__Bacteria
12	0	0	1	57	7	0	0	1	0	0 k__Bacteria
13	0	0	1	57	7	0	0	1	0	0 k__Bacteria
14	28	166	67	49	96	56	5	31	54	46 k__Bacteria
15	0	1	0	2	4	0	0	1	0	1 k__Bacteria
16	1	14	15	0	4	0	1	0	0	0 k__Bacteria
17	0	0	0	2	1	1	5	136	4	7 k__Bacteria
18	92	52	35	37	40	13	0	0	1	0 k__Bacteria
19	2	0	0	5	1	1	0	0	1	0 k__Bacteria
20	1	0	0	18	1	0	0	0	0	0 k__Bacteria
21	1	0	0	18	1	0	0	0	0	0 k__Bacteria
22	76	5	49	109	158	28	1	0	0	0 k__Bacteria
23	54	80	23	6	15	7	0	16	0	1 k__Bacteria
24	94	12	116	226	26	3	0	0	10	16 k__Bacteria
25	1	0	0	0	0	0	2	1	2	2 k__Bacteria
26	4	0	1	0	0	0	4	5	3	9 k__Bacteria
27	0	0	4	0	0	0	9	3	1	8 k__Bacteria
28	0	0	4	0	0	0	9	3	1	8 k__Bacteria
29	1317	51	437	213	90	167	305	462	793	396 k__Bacteria
30	1	1	0	2	0	0	0	0	3	1 k__Bacteria
31	6	0	0	2	3	2	2	0	2	0 k__Bacteria
32	0	2	0	66	0	2	0	0	0	0 k__Bacteria
33	0	1	0	8	23	0	0	0	0	0 k__Bacteria
34	0	1	0	8	23	0	0	0	0	0 k__Bacteria
35	0	0	30	2	0	8	0	0	7	1 k__Bacteria
36	0	0	0	1	0	0	0	0	0	0 k__Bacteria
37	0	0	0	1	0	0	0	0	0	0 k__Bacteria
38	2	0	48	23	0	1	0	2	0	0 k__Bacteria
39	0	4	0	7	2	3	0	0	3	0 k__Bacteria
40	0	0	0	0	0	2	1	3	2	0 k__Bacteria
41	0	1	0	0	0	1	0	122	6	3 k__Bacteria
42	5	61	3	81	3	0	0	232	1	0 k__Bacteria
43	0	0	0	0	0	0	0	4	0	0 k__Bacteria
44	0	0	0	0	0	0	0	0	0	0 k__Bacteria
45	0	0	0	0	0	0	0	0	0	0 k__Bacteria
46	4	0	0	9	14	0	0	0	0	0 k__Bacteria
47	906	0	0	11	0	0	4	0	0	4 Unassigned
48	96	9	10	5	3	0	1	0	4	8 k__Bacteria
49	11	0	0	3	0	0	0	0	0	0 k__Bacteria
50	58	2	1	8	141	13	18	5	0	0 k__Bacteria
51	7	0	0	0	1	0	1	0	0	0 k__Bacteria
52	97	0	0	10	14	4	10	0	0	0 k__Bacteria
53	0	0	0	0	0	0	0	0	0	0 k__Bacteria
54	0	0	0	0	0	0	0	0	0	0 k__Bacteria
55	186	0	0	100	0	0	0	0	0	0 k__Bacteria
56	1	1	4	2	3	4	1	0	0	0 k__Bacteria
57	58	71	42	62	73	36	1	23	3	0 k__Bacteria
58	2	5	0	17	19	10	0	52	5	20 k__Bacteria
59	1	0	0	9	1	1	1	3	0	0 k__Bacteria
60	1	2	2	2	0	1	0	0	0	0 k__Bacteria

1										
2	0	2	1	2	2	0	0	26	0	0 k__Bacteria
3	0	0	0	0	1	0	0	22	0	1 k__Bacteria
4	1	6	0	2	3	0	2	66	0	0 k__Bacteria
5	7	9	3	15	36	3	1	18	2	1 k__Bacteria
6	0	1	1	0	9	0	1	80	0	4 k__Bacteria
7										
8	21	25	9	19	21	18	0	1	1	0 k__Bacteria
9	1	0	0	1	0	1	0	13	2	7 k__Bacteria
10	74	15	5	30	20	67	8	12	113	1 k__Bacteria
11	0	0	0	0	0	0	0	48	0	0 k__Bacteria
12	0	0	0	0	0	0	0	3	0	0 k__Bacteria
13	4	1	0	0	0	0	0	11	3	3 k__Bacteria
14	0	0	0	0	0	0	1	4	0	1 k__Bacteria
15	1	0	0							
16				21	1	0	0	0	0	0 k__Bacteria
17	132	128	292	156	53	1	7	1	121	7 k__Bacteria
18	0	0	1	1	0	0	0	0	2	0 k__Bacteria
19	0	0	0	2	1	0	0	0	0	0 k__Bacteria
20	0	1	0	0	0	0	0	25	0	1 k__Bacteria
21	0	0	0	0	0	0	0	0	0	0 k__Bacteria
22										
23	130	55	50	11	74	48	21	0	28	0 k__Bacteria
24	305	17	239	11	24	13	6	106	32	16 k__Bacteria
25	10	3	7	0	1	0	2	2	0	0 k__Bacteria
26	0	0	6	0	0	0	0	1	0	3 k__Bacteria
27	23	0	1	0	10	1	0	0	0	0 k__Bacteria
28	0	0	6	0	0	2	2	1	2	6 k__Bacteria
29										
30	239	225	157	13	97	218	58	16	272	74 k__Bacteria
31	4	3	9	1	1	5	0	0	4	0 k__Bacteria
32	1	0	1	1	0	0	0	1	2	0 k__Bacteria
33	48	13	9	1	17	1	30	233	7	10 k__Bacteria
34	50	60	66	30	84	57	92	57	108	48 k__Bacteria
35	0	1	2	2	6	0	2	3	2	0 k__Bacteria
36	18	3	1	0	0	0	0	0	0	0 k__Bacteria
37	0	0	0	5	0	32	0	0	0	0 k__Bacteria
38										
39	23	5	0	36	69	0	1	0	0	0 k__Bacteria
40	3	3	1	7	12	3	0	1	0	0 k__Bacteria
41	8	13	4	0	0	0	1	11	1	7 k__Bacteria
42	23	40	12	9	54	30	24	63	35	0 k__Bacteria
43	0	0	0	3	1	2	0	0	0	0 k__Bacteria
44	0	9	1	1	3	0	0	0	3	63 k__Bacteria
45										
46	190	57	6	24	88	1	3	62	1	9 k__Bacteria
47	0	0	5	0	0	0	0	0	0	2 k__Bacteria
48	73	262	0	36	142	28	8	0	0	0 k__Bacteria
49	1	10	0	0	7	0	0	0	0	0 k__Bacteria
50	34	2	8	54	22	25	1	0	2	0 k__Bacteria
51	4	8	9	7	9	7	4	0	7	8 k__Bacteria
52	71	27	7	27	20	15	1	0	3	0 k__Bacteria
53	5	0	2	7	0	1	0	0	0	0 k__Bacteria
54	36	0	0	50	9	52	3	0	0	0 k__Bacteria
55										
56	111	1	0	47	26	0	1	0	0	1 k__Bacteria
57	14	24	6	5	2	12	6	0	15	0 k__Bacteria
58	14	1	6	19	2	11	1	0	0	0 k__Bacteria
59	1	10	5	0	9	5	15	14	14	1 k__Bacteria
60	5	3	3	0	4	3	2	0	2	0 Unassigned

1										
2	1	0	6	2	1	0	16	0	12	1 Unassigned
3	3	0	0	0	0	0	0	0	0	0 Unassigned
4	117	0	0	13	0	0	0	0	0	0 k__Bacteria
5	0	0	0	338	0	0	0	0	0	0 k__Bacteria
6	2	5	3	2	30	8	1	116	14	0 k__Bacteria
7	12	48	74	2	57	91	29	1259	54	11 k__Bacteria
8	0	0	0	39	0	0	0	0	0	0 k__Bacteria
9	0	0	0	1	0	0	2	4	1	0 k__Bacteria
10	0	0	0	1	0	0	2	4	1	0 k__Bacteria
11	16	0	9	0	1	5	189	49	39	21 k__Bacteria
12	0	0	0	0	0	0	9	0	2	0 k__Bacteria
13	0	0	0	0	27	0	2	2	0	14 k__Bacteria
14	0	1	0	0	4	2	3	4	3	0 k__Bacteria
15	0	14	0	1	10	7	4	0	18	0 k__Bacteria
16	0	28	0	8	26	38	1	0	59	2 k__Bacteria
17	0	28	0	8	26	38	1	0	59	2 k__Bacteria
18	1	6	0	0	1	5	0	1	7	0 k__Bacteria
19	0	10	0	0	1	0	0	0	5	0 k__Bacteria
20	0	4	0	0	8	0	0	0	6	0 k__Bacteria
21	2	3	0	2	8	1	29	25	0	19 k__Bacteria
22	1	0	0	1	3	0	0	8	0	1 k__Bacteria
23	0	0	0	0	2	0	1	3	0	0 k__Bacteria
24	0	0	0	0	3	0	2	2	0	0 k__Bacteria
25	0	0	0	0	3	0	2	2	0	0 k__Bacteria
26	0	0	0	0	0	0	0	3	0	0 k__Bacteria
27	25	45	12	64	279	61	101	1162	7	36 k__Bacteria
28	0	0	0	0	1	0	0	7	0	0 k__Bacteria
29	0	0	0	1	7	3	2	17	0	2 k__Bacteria
30	0	0	0	1	7	3	2	17	0	2 k__Bacteria
31	65	0	4	21	5	0	1	1	3	41 k__Bacteria
32	1	0	0	0	0	1	0	0	0	0 k__Bacteria
33	0	1	0	1	6	1	0	2	0	18 k__Bacteria
34	0	0	0	0	0	0	0	0	0	0 k__Bacteria
35	1	3	0	0	3	2	0	14	5	2 k__Bacteria
36	6	7	1	2	15	6	6	127	16	8 k__Bacteria
37	80	14	6	4	34	0	0	0	5	0 k__Bacteria
38	1	2	2	0	1	0	21	0	10	1 k__Bacteria
39	1	2	2	0	1	0	21	0	10	1 k__Bacteria
40	17	10	19	4	27	20	59	0	18	2 k__Bacteria
41	6	6	2	0	0	0	1	24	9	0 k__Bacteria
42	10	8	5	2	0	1	2	0	7	1 k__Bacteria
43	24	34	19	23	3	0	0	0	4	0 k__Bacteria
44	18	3	0	1	3	0	0	4	2	0 k__Bacteria
45	1	0	1	0	0	2	2	2	8	0 k__Bacteria
46	1	0	1	0	0	2	2	2	8	0 k__Bacteria
47	23	2	0	0	10	0	10	136	1	3 k__Bacteria
48	2	1	0	0	0	0	0	0	0	0 k__Bacteria
49	99	6	0	4	0	0	0	0	0	9 k__Bacteria
50	53	0	0	10	0	0	0	0	0	0 k__Bacteria
51	0	0	0	1	1	0	0	0	0	0 k__Bacteria
52	0	0	0	1	1	0	0	0	0	0 k__Bacteria
53	1	0	1	3	4	0	0	193	0	0 k__Bacteria
54	18	0	2	191	267	2	1	0	0	1 k__Bacteria
55	15	23	17	43	87	40	4	3	6	1 k__Bacteria
56	50	68	95	15	173	218	6	0	9	1 k__Bacteria
57	16	13	0	32	8	1	3	0	2	0 k__Bacteria
58	0	0	0	8	0	0	0	0	0	0 k__Bacteria
59	0	0	0	8	0	0	0	0	0	0 k__Bacteria
60	13	0	0	47	0	0	0	0	0	0 k__Bacteria
	51	0	7	11	0	1	0	0	0	0 k__Bacteria

1										
2	1	0	9	3	0	0	0	0	0	0 k__Bacteria
3	16	0	0	6	0	0	0	0	0	0 k__Bacteria
4	0	0	0	29	0	0	2	0	0	0 k__Bacteria
5	5	18	13	2	28	69	5	0	4	0 k__Bacteria
6	6	21	0	0	0	1	0	0	23	0 k__Bacteria
7	0	0	0	0	0	0	5	0	0	0 k__Bacteria
8										
9	43	161	92	115	1181	25	71	0	183	0 k__Bacteria
10	4	5	0	50	94	0	0	0	0	0 k__Bacteria
11	0	5	13	0	0	8	19	38	73	0 k__Bacteria
12	6	0	9	2	3	0	8	0	0	0 k__Bacteria
13	22	0	0	0	1	0	0	0	0	0 Unassigned
14	0	0	0	0	0	0	0	0	0	0 k__Bacteria
15	4	2	120	46	32	3	18	17	3	1 k__Bacteria
16										
17	33	141	242	109	44	225	64	58	202	17 k__Bacteria
18	0	1	0	0	0	0	3	0	0	0 k__Bacteria
19	0	4	14	2	1	0	4	1	5	1 k__Bacteria
20	35	79	567	271	38	9	170	60	123	26 k__Bacteria
21	2	1	6	4	0	1	7	1	1	0 k__Bacteria
22										
23	1	1	2	2	0	0	0	0	0	0 k__Bacteria
24	0	1	4	0	0	0	5	7	0	2 k__Bacteria
25	2	50	115	38	15	72	28	20	62	4 k__Bacteria
26	0	0	2	0	0	0	4	6	1	0 k__Bacteria
27	0	0	0	0	1	0	0	0	0	0 k__Bacteria
28	3	0	0	0	3	0	2	0	0	0 k__Bacteria
29										
30	10	0	6	0	3	0	14	62	0	0 k__Bacteria
31	0	0	0	0	0	0	0	0	0	0 k__Bacteria
32	3	2	0	0	0	0	0	0	0	0 k__Bacteria
33	0	0	0	2	0	0	0	0	0	0 k__Bacteria
34	24	2	0	4	0	0	3	0	0	0 k__Bacteria
35	9	0	0	1	0	1	0	0	0	0 k__Bacteria
36	2	1	0	9	3	2	0	0	0	0 k__Bacteria
37	0	0	0	0	0	0	0	0	0	0 k__Bacteria
38										
39	0	1	0	0	0	0	0	0	0	0 k__Bacteria
40	0	0	2	3	1	5	0	0	5	0 k__Bacteria
41	0	0	8	4	4	0	1	0	0	0 k__Bacteria
42	30	3	10	19	14	26	0	0	0	0 k__Bacteria
43	0	0	3	0	0	0	5	0	5	0 k__Bacteria
44										
45	37	1	1	10	8	0	0	0	3	0 k__Bacteria
46	6	0	0	0	0	0	0	0	0	0 k__Bacteria
47	19	0	0	0	0	0	2	0	0	0 k__Bacteria
48	2	1	2	7	13	3	1	0	0	0 k__Bacteria
49	14	0	0	55	3	2	0	0	2	0 k__Bacteria
50	56	1	7	30	4	7	1	0	2	0 k__Bacteria
51	82	13	1	11	9	7	2	0	0	1 k__Bacteria
52	6	1	3	0	0	0	0	0	0	0 k__Bacteria
53										
54	74	10	11	4	4	2	4	0	2	0 k__Bacteria
55	7	0	1	0	0	0	0	0	6	0 k__Bacteria
56	19	6	0	12	0	0	0	0	0	0 k__Bacteria
57	34	1	3	4	0	1	2	0	11	0 k__Bacteria
58	0	0	0	133	6	0	0	0	0	0 k__Bacteria
59	2	0	1	0	0	0	2	0	21	0 k__Bacteria
60	14	0	1	0	0	0	0	0	0	0 k__Bacteria

1										
2	4	0	1	0	0	0	0	0	2	0 k__Bacteria
3	88	0	2	3	0	0	0	0	0	0 k__Bacteria
4	107	0	0	4	2	1	0	0	0	0 k__Bacteria
5	5	0	0	0	0	3	0	0	1	1 k__Bacteria
6	6	1	2	3	4	0	1	0	0	0 k__Bacteria
7	77	0	4	31	0	3	0	0	2	1 k__Bacteria
8	4	2	0	0	1	0	0	0	2	0 k__Bacteria
9	104	0	0	0	1	0	0	0	0	0 k__Bacteria
10	71	0	0	11	0	5	0	0	0	0 k__Bacteria
11	5	0	0	0	0	0	0	0	0	0 k__Bacteria
12	133	0	6	7	0	0	0	0	0	1 k__Bacteria
13	1	0	0	3	0	0	0	0	0	0 k__Bacteria
14	28	0	0	31	0	0	5	0	0	2 k__Bacteria
15	51	0	0	0	1	0	0	0	0	0 k__Bacteria
16	10	1	9	0	9	1	0	0	0	0 k__Bacteria
17	2	0	0	0	0	0	0	0	0	0 k__Bacteria
18	41	0	3	0	0	0	0	0	1	0 k__Bacteria
19	0	0	0	0	0	0	0	1	1	0 k__Bacteria
20	16	1	4	0	6	3	0	0	7	0 k__Bacteria
21	371	0	1	3	1	0	2	0	0	0 k__Bacteria
22	3	0	0	0	0	0	0	0	0	0 k__Bacteria
23	0	0	0	0	0	0	4	0	0	0 k__Bacteria
24	0	0	2	1	2	3	0	2	0	0 k__Bacteria
25	0	0	0	2	2	0	0	10	0	0 k__Bacteria
26	2	0	0	4	10	0	0	0	0	0 k__Bacteria
27	2	4	11	0	6	1	17	4	4	0 k__Bacteria
28	0	0	0	0	0	0	0	0	0	0 k__Bacteria
29	9	0	6	0	6	4	2	4	0	0 k__Bacteria
30	0	0	0	0	0	0	0	0	0	0 k__Bacteria
31	8	0	1	2	4	0	0	0	0	0 k__Bacteria
32	0	0	0	0	0	0	0	0	0	0 k__Bacteria
33	0	0	0	0	7	0	0	0	0	0 k__Bacteria
34	5	0	0	0	0	0	5	10	0	0 k__Bacteria
35	0	0	0	0	7	0	2	0	2	0 k__Bacteria
36	0	0	0	0	1	2	0	0	0	0 k__Bacteria
37	1	3	0	2	0	4	9	12	0	1 k__Bacteria
38	1	0	0	0	3	2	0	0	0	0 k__Bacteria
39	0	14	1	5	44	9	0	1	0	0 k__Bacteria
40	1	4	0	0	8	1	2	2	0	1 k__Bacteria
41	0	0	1	0	0	0	0	0	0	0 k__Bacteria
42	0	19	12	9	25	8	0	0	6	0 k__Bacteria
43	5	13	0	0	2	1	0	3	1	0 k__Bacteria
44	1	4	0	0	0	2	0	1	0	0 k__Bacteria
45	0	3	0	2	1	2	1	29	3	0 k__Bacteria
46	0	0	15	6	0	0	0	0	3	0 k__Bacteria
47	1	0	0	0	0	1	0	0	3	0 k__Bacteria
48	0	0	5	1	0	3	1	14	5	7 k__Bacteria
49	2	1	0	0	0	0	0	2	0	21 k__Bacteria
50	182	14	36	67	10	92	17	43	55	13 k__Bacteria
51	126	15	1	8	24	23	11	6	37	2 k__Bacteria
52	5	0	0	0	1	0	0	0	1	0 k__Bacteria
53	10	2	1	0	4	3	2	1	4	0 k__Bacteria

1										
2	0	1	2	0	0	1	2	1	0	6 k__Bacteria
3	61	9	51	14	11	41	28	156	95	107 k__Bacteria
4	0	3	5	1	0	2	0	10	5	3 k__Bacteria
5	0	0	0	0	0	0	10	0	3	53 k__Bacteria
6	1	2	8	14	4	13	7	2	18	9 k__Bacteria
7	0	0	1	0	0	0	7	0	59	50 k__Bacteria
8	3	11	16	0	1	4	0	1	27	0 k__Bacteria
9	1	13	58	2	7	43	4	1	50	31 k__Bacteria
10	21	320	296	446	343	1128	4	2	205	8 k__Bacteria
11	45	22	5	200	46	13	0	0	24	0 k__Bacteria
12	0	1	0	39	0	0	15	1	4	1 k__Bacteria
13	16	0	12	5	2	5	147	1	131	90 k__Bacteria
14	0	2	4	1	1	9	3	1	2	4 k__Bacteria
15	0	2	0	1	0	3	0	5	2	4 k__Bacteria
16	18	111	233	62	55	336	102	27	104	111 k__Bacteria
17	22	75	94	84	45	196	420	43	123	317 k__Bacteria
18	5	0	1	3	2	0	0	0	2	0 k__Bacteria
19	19	6	2	10	6	8	1	0	0	0 k__Bacteria
20	0	0	0	0	3	4	0	0	0	0 k__Bacteria
21	2	14	5	2	37	27	0	2	0	0 k__Bacteria
22	2	1	6	2	23	22	1	28	2	5 k__Bacteria
23	0	1	0	2	0	0	3	0	0	0 k__Bacteria
24	0	1	0	0	0	0	2	4	2	0 k__Bacteria
25	27	51	14	46	51	54	14	1	19	1 k__Bacteria
26	25	7	10	13	14	6	4	1	1	0 k__Bacteria
27	4	3	3	1	0	0	1	0	1	0 k__Bacteria
28	2	12	12	9	16	17	0	0	2	0 k__Bacteria
29	25	23	2	22	8	6	0	0	4	0 k__Bacteria
30	14	0	3	6	4	0	0	0	0	0 k__Bacteria
31	0	1	0	7	1	5	0	0	7	0 k__Bacteria
32	1	0	0	3	0	2	0	16	1	0 k__Bacteria
33	41	6	19	44	11	39	15	3	1	3 k__Bacteria
34	9	0	7	4	1	10	5	0	0	1 k__Bacteria
35	3	0	0	2	0	1	0	0	0	0 k__Bacteria
36	7	18	0	16	7	19	0	0	5	1 k__Bacteria
37	0	0	0	3	0	1	0	0	0	0 k__Bacteria
38	4	1	10	2	0	0	1	0	1	0 k__Bacteria
39	2	0	0	12	2	0	0	0	0	0 k__Bacteria
40	0	0	1	1	2	0	0	0	0	1 k__Bacteria
41	65	2	0	1	0	0	0	0	0	0 k__Bacteria
42	8	0	0	2	0	1	0	0	0	0 k__Bacteria
43	0	0	4	0	2	0	0	0	0	1 k__Bacteria
44	0	4	1	12	1	6	0	0	0	0 k__Bacteria
45	10	0	15	12	20	2	0	0	0	0 k__Bacteria
46	0	0	0	1	2	1	0	0	0	0 k__Bacteria
47	3	0	0	0	2	0	1	0	0	3 k__Bacteria
48	0	2	0	0	0	1	0	0	0	2 k__Bacteria
49	31	21	15	28	4	16	0	0	0	0 k__Bacteria
50	0	0	1	2	0	0	0	0	0	0 k__Bacteria
51	3	0	1	0	0	0	0	0	0	0 k__Bacteria
52	9	0	0	5	0	2	0	0	0	0 k__Bacteria
53	0	0	0	5	0	0	2	0	0	0 k__Bacteria
54	0	0	0	5	0	0	2	0	0	0 k__Bacteria

1										
2	0	43	0	2	10	18	1	0	0	0 k__Bacteria
3	4	7	2	8	1	5	0	0	0	0 k__Bacteria
4	0	3	0	0	0	0	4	0	0	0 k__Bacteria
5	20	0	1	7	4	9	0	0	0	0 k__Bacteria
6	0	0	1	0	0	0	0	0	0	0 k__Bacteria
7	0	1	4	0	4	7	0	0	1	0 k__Bacteria
8	0	2	3	0	3	5	0	0	0	10 k__Bacteria
9										
10	7	31	40	49	18	84	9	0	34	27 k__Bacteria
11	0	0	0	0	0	0	0	0	0	0 k__Bacteria
12	0	0	0	9	0	0	0	0	0	0 k__Bacteria
13	2	6	7	0	0	91	3	0	7	5 k__Bacteria
14	0	0	3	1	0	6	7	0	0	0 k__Bacteria
15	2	2	2	4	1	0	0	0	2	0 k__Bacteria
16	3	0	0	2	0	0	1	0	0	0 k__Bacteria
17	2	0	0	0	1	0	0	0	0	0 k__Bacteria
18	0	1	5	0	1	4	7	0	6	3 k__Bacteria
19	0	0	50	0	0	0	0	0	2	0 k__Bacteria
20	8	0	1	42	0	0	2	0	0	0 k__Bacteria
21	3	0	0	0	7	0	0	0	3	0 k__Bacteria
22	0	0	0	0	1	4	3	0	0	2 k__Bacteria
23	3	1	2	9	1	1	0	0	0	0 k__Bacteria
24	6	0	0	5	0	0	0	0	0	0 k__Bacteria
25	4	1	3	5	4	0	0	0	0	0 k__Bacteria
26	20	0	0	0	0	0	1	0	0	0 k__Bacteria
27	2	2	2	0	0	1	0	0	0	0 k__Bacteria
28	0	0	0	1	9	0	0	0	0	0 k__Bacteria
29	0	0	0	1	9	0	0	0	0	0 k__Bacteria
30	14	4	0	6	9	2	0	0	0	1 k__Bacteria
31	7	2	0	0	2	0	0	0	0	0 k__Bacteria
32	3	0	3	0	1	4	0	0	0	0 k__Bacteria
33	2	1	1	0	0	0	0	0	0	0 k__Bacteria
34	6	0	0	9	0	0	0	0	0	0 k__Bacteria
35	0	0	2	0	4	4	3	0	1	3 k__Bacteria
36	2	3	1	1	5	5	0	0	2	5 k__Bacteria
37	3	0	0	0	3	8	0	0	0	0 k__Bacteria
38	11	2	0	1	0	3	0	0	0	0 k__Bacteria
39	11	25	18	30	34	2	2	0	2	8 k__Bacteria
40	0	7	0	1	1	1	1	0	1	0 k__Bacteria
41	46	5	7	6	2	0	2	0	23	0 k__Bacteria
42	22	0	3	2	1	0	0	0	0	0 k__Bacteria
43	12	2	1	2	0	3	0	0	0	0 k__Bacteria
44	55	15	1	89	8	0	0	0	0	0 k__Bacteria
45	0	0	0	0	0	0	12	0	21	6 k__Bacteria
46	28	1	0	16	7	1	0	0	1	0 k__Bacteria
47	70	45	60	30	21	42	60	1	167	22 k__Bacteria
48	1	2	4	2	2	6	4	1	5	3 k__Bacteria
49	0	1	4	1	0	1	3	0	8	1 k__Bacteria
50	26	0	2	30	5	2	1	0	0	0 k__Bacteria
51	3	7	1	0	1	3	0	0	2	0 k__Bacteria
52	0	2	5	3	1	8	4	0	2	0 k__Bacteria
53	63	19	43	8	10	43	24	0	44	2 k__Bacteria
54	4	14	28	4	9	30	16	0	44	6 k__Bacteria
55	1	1	0	0	0	1	0	0	1	1 k__Bacteria

1										
2	8	7	3	10	5	4	5	0	10	1 k__Bacteria
3	1	0	0	0	0	0	0	0	0	0 k__Bacteria
4	15	0	1	20	0	1	0	0	4	0 k__Bacteria
5	4	0	0	2	5	0	0	0	0	0 k__Bacteria
6	14	0	0	55	2	0	0	0	0	0 k__Bacteria
7	2	1	1	7	1	4	0	0	5	1 k__Bacteria
8	3	9	0	6	0	4	0	0	0	0 k__Bacteria
9										
10	30	4	2	154	43	0	3	0	1	0 k__Bacteria
11	13	0	0	6	0	2	0	0	0	0 k__Bacteria
12	144	10	3	488	6	1	3	0	0	0 k__Bacteria
13	18	0	0	3	2	0	0	0	0	0 k__Bacteria
14	7	0	0	8	0	0	0	0	0	0 k__Bacteria
15										
16	165	10	2	152	31	1	1	0	0	0 k__Bacteria
17	2	21	1	4	0	10	0	0	0	1 k__Bacteria
18	5	0	0	22	0	0	2	0	0	0 k__Bacteria
19	32	32	8	101	19	24	64	0	48	9 k__Bacteria
20	15	1	0	52	0	0	1	0	1	0 k__Bacteria
21	1	0	0	418	1	0	1	0	0	0 k__Bacteria
22										
23	14	0	3	9	18	0	0	0	0	0 k__Bacteria
24	2	0	0	4	0	0	2	0	1	0 k__Bacteria
25	24	0	3	0	0	0	0	0	0	0 k__Bacteria
26	3	0	0	2	1	0	0	0	6	0 k__Bacteria
27	661	51	13	85	8	10	8	2	58	15 k__Bacteria
28	1	1	0	152	10	0	0	0	0	0 k__Bacteria
29	10	0	0	2	1	0	0	0	0	0 k__Bacteria
30										
31	201	3	19	87	3	34	2	0	27	0 k__Bacteria
32	181	28	28	108	7	23	27	0	27	2 k__Bacteria
33	3	0	0	1	1	2	0	0	0	0 k__Bacteria
34	1	0	1	3	1	0	1	0	0	0 k__Bacteria
35	0	0	4	0	0	1	3	0	0	0 k__Bacteria
36										
37	8	4	79	0	0	6	55	0	55	5 k__Bacteria
38	2	2	6	11	1	1	0	0	2	0 k__Bacteria
39	7	1	5	6	6	43	3	0	3	14 k__Bacteria
40	0	13	13	0	1	19	10	10	16	42 k__Bacteria
41	0	3	2	4	0	7	0	0	0	0 k__Bacteria
42	1	0	0	3	1	0	1	0	0	1 k__Bacteria
43	0	1	0	7	0	2	2	0	1	0 k__Bacteria
44	0	7	2	19	8	16	1	0	12	0 k__Bacteria
45										
46	0	5	2	0	11	4	0	0	0	0 k__Bacteria
47	20	0	0	18	0	0	0	0	0	0 k__Bacteria
48	7	17	0	6	5	20	6	0	5	8 k__Bacteria
49	1	2	0	5	2	0	2	0	4	0 k__Bacteria
50	0	1	5	0	0	0	0	0	10	6 k__Bacteria
51	5	0	0	0	1	1	2	0	0	0 k__Bacteria
52										
53	18	10	3	10	2	1	1	0	0	0 k__Bacteria
54	7	0	3	6	4	1	0	1	0	0 k__Bacteria
55	0	0	2	0	0	1	3	10	6	5 k__Bacteria
56	0	0	0	0	0	0	0	14	0	0 k__Bacteria
57	0	2	6	0	1	0	5	0	6	1 k__Bacteria
58	0	0	0	0	0	1	2	4	0	0 k__Bacteria
59										
60	40	0	0	0	1	0	0	0	0	0 k__Bacteria
	1	2	0	1	0	2	0	0	3	0 k__Bacteria

1										
2	0	4	0	0	2	2	1	0	1	0 k__Bacteria
3	6	0	5	0	0	2	2	0	4	11 k__Bacteria
4	13	15	51	46	19	33	18	0	59	3 k__Bacteria
5	0	0	0	0	0	9	18	1	3	13 k__Bacteria
6	7	14	1	3	2	3	24	3	15	20 k__Bacteria
7	69	2	24	119	7	2	0	2	83	2 k__Bacteria
8	14	10	35	3	1	4	5	0	102	0 k__Bacteria
9	37	86	116	41	56	68	8	0	96	43 k__Bacteria
10	2	2	2	1	1	0	1	0	0	1 k__Bacteria
11	3	2	0	2	0	0	0	0	2	0 k__Bacteria
12	2	3	1	3	0	10	9	0	7	6 k__Bacteria
13	3	1	3	1	0	4	4	0	4	1 k__Bacteria
14	48	48	63	63	55	119	29	0	72	14 k__Bacteria
15	8	28	38	16	11	65	19	0	65	9 k__Bacteria
16	3	7	18	22	5	23	16	0	51	12 k__Bacteria
17	0	1	4	0	1	1	4	0	5	0 k__Bacteria
18	32	20	34	76	58	7	0	0	0	0 k__Bacteria
19	3	4	10	5	25	8	1	0	12	1 k__Bacteria
20	5	12	7	6	7	2	0	0	0	0 k__Bacteria
21	0	2	1	0	0	0	2	0	0	0 k__Bacteria
22	3	4	8	2	5	9	8	0	7	0 k__Bacteria
23	17	12	12	31	16	27	7	2	8	0 k__Bacteria
24	64	4	16	9	13	16	17	13	39	2 k__Bacteria
25	36	56	137	17	132	106	3	1	134	0 k__Bacteria
26	0	1	3	0	0	1	0	0	5	0 k__Bacteria
27	0	111	10	28	5	308	161	1	10	2 k__Bacteria
28	2	5	44	0	6	42	116	138	112	60 k__Bacteria
29	0	0	2	0	0	1	1	2	20	4 k__Bacteria
30	9	26	20	42	20	52	17	0	29	1 k__Bacteria
31	29	0	0	20	9	0	0	0	0	0 k__Bacteria
32	21	16	8	0	4	4	11	11	9	1 k__Bacteria
33	52	94	18	46	24	6	19	12	47	19 k__Bacteria
34	10	12	5	0	0	16	3	0	113	0 k__Bacteria
35	2	7	0	0	0	0	2	0	2	1 k__Bacteria
36	313	3	12	35	24	36	5	1	29	0 k__Bacteria
37	0	19	16	4	5	57	2	0	5	2 k__Bacteria
38	0	4	3	1	1	9	3	0	1	0 k__Bacteria
39	86	13	18	157	26	16	0	0	3	0 k__Bacteria
40	0	0	4	5	0	2	0	0	4	0 k__Bacteria
41	0	0	0	3	1	1	0	0	1	0 k__Bacteria
42	5	18	15	7	6	48	4	13	18	1 k__Bacteria
43	113	32	9	179	52	57	5	1	25	2 k__Bacteria
44	1	23	184	2	2	0	0	0	0	0 k__Bacteria
45	130	7	13	47	3	49	10	0	21	0 k__Bacteria
46	34	4	6	8	1	3	1	0	3	0 k__Bacteria
47	0	0	0	1	2	3	0	0	2	0 k__Bacteria
48	3	1	0	1	2	1	0	0	0	0 k__Bacteria
49	3	1	0	3	0	0	1	0	0	0 k__Bacteria
50	81	6	2	6	6	11	10	2	10	9 k__Bacteria
51	6	10	1	1	17	51	0	0	16	1 k__Bacteria
52	11	7	2	279	13	15	2	0	6	0 k__Bacteria
53	0	8	1	2	0	2	1	0	1	3 k__Bacteria

1										
2	1	0	0	3	0	0	2	0	1	0 k__Bacteria
3	0	0	1	0	0	0	3	2	1	0 k__Bacteria
4	0	0	2	0	0	0	1	5	5	6 k__Bacteria
5	8	13	7	9	10	4	3	0	0	1 k__Bacteria
6	0	1	4	5	1	0	0	0	4	0 k__Bacteria
7	1	0	2	8	2	14	0	1	0	0 k__Bacteria
8	3	0	0	0	0	0	0	0	0	0 k__Bacteria
9										
10	0	0	0	6	15	1	0	1	10	0 k__Bacteria
11	0	1	0	7	0	9	0	0	8	0 k__Bacteria
12	15	11	3	18	1	6	5	0	4	5 k__Bacteria
13	0	5	2	10	6	0	2	0	0	0 k__Bacteria
14	1	3	2	0	0	0	9	0	4	0 k__Bacteria
15	1	0	21	29	0	9	13	0	2	20 k__Bacteria
16	5	2	0	107	1	0	0	0	0	0 k__Bacteria
17	9	2	3	0	0	1	0	0	5	0 k__Bacteria
18	0	0	0	1	0	1	0	0	2	0 k__Bacteria
19										
20	38	0	0	36	0	0	0	0	0	1 k__Bacteria
21	0	0	22	10	0	1	4	0	0	0 k__Bacteria
22	1	125	6	0	18	39	20	0	104	3 k__Bacteria
23	0	2	3	2	0	1	0	3	0	0 k__Bacteria
24										
25	10	2	21	11	0	0	2	93	3	26 k__Bacteria
26	0	0	0	3	0	2	0	0	4	1 k__Bacteria
27	5	3	10	47	0	0	0	0	0	0 k__Bacteria
28	0	0	0	0	0	0	0	0	0	0 k__Bacteria
29										
30	39	0	0	407	0	0	0	0	0	0 k__Bacteria
31	510	43	29	72	26	69	7	0	35	2 k__Bacteria
32	3	0	0	31	0	0	0	0	0	0 k__Bacteria
33	0	0	0	0	0	0	4	29	0	0 k__Bacteria
34	32	2	1	42	4	44	0	0	6	0 k__Bacteria
35	9	0	0	15	0	3	0	0	0	0 k__Bacteria
36	10	0	0	6	0	0	0	0	0	0 k__Bacteria
37										
38	2	6	16	1	10	40	9	133	21	7 k__Bacteria
39	1	1	1	14	10	4	1	3	2	1 k__Bacteria
40	15	1	7	24	15	0	0	0	3	0 k__Bacteria
41	9	8	0	1	2	4	0	0	0	0 k__Bacteria
42	8	0	0	152	0	0	0	0	0	0 k__Bacteria
43	0	38	20	5	38	97	14	0	71	18 k__Bacteria
44										
45	18	0	0	54	0	0	0	0	0	0 k__Bacteria
46	0	18	6	0	0	1	23	0	2	9 k__Bacteria
47	2	0	0	4	0	0	0	0	1	0 k__Bacteria
48	10	0	2	11	2	0	1	0	0	0 k__Bacteria
49	3	1	0	0	0	0	14	0	0	0 k__Bacteria
50	0	2	3	4	0	0	29	0	0	1 k__Bacteria
51										
52	12	3	13	2	0	0	0	0	0	0 k__Bacteria
53	7	0	3	8	18	3	71	0	1	0 k__Bacteria
54	9	0	0	0	0	0	0	0	0	0 k__Bacteria
55	2	13	7	0	0	7	0	44	3	1 k__Bacteria
56	0	4	13	0	0	8	10	0	2	4 k__Bacteria
57	16	7	1	5	10	0	0	0	0	0 k__Bacteria
58	11	1	2	10	7	1	0	0	10	0 k__Bacteria
59	27	0	4	26	5	0	3	0	0	0 k__Bacteria
60	7	3	0	5	4	2	0	0	7	0 k__Bacteria

1										
2	7	11	3	2	0	0	0	0	0	0 k__Bacteria
3	0	3	4	1	0	1	61	0	9	0 k__Bacteria
4	7	0	0	8	6	0	0	0	0	0 k__Bacteria
5	0	0	25	0	0	0	0	0	0	0 k__Bacteria
6	9	0	20	0	0	0	0	0	0	0 k__Bacteria
7	10	0	2	0	0	0	0	0	0	0 k__Bacteria
8	10	0	0	6	0	0	0	0	1	0 k__Bacteria
9	32	2	7	6	11	22	5	0	10	0 k__Bacteria
10	9	1	2	2	0	5	0	0	0	1 k__Bacteria
11	3	0	2	0	0	1	0	0	0	0 k__Bacteria
12	7	2	1	6	6	29	0	0	2	0 k__Bacteria
13	3	0	2	7	0	1	0	0	1	0 k__Bacteria
14	0	0	3	2	0	0	0	0	0	0 k__Bacteria
15	6	0	2	0	0	0	0	0	0	0 k__Bacteria
16	8	1	3	3	0	0	0	0	1	0 k__Bacteria
17	0	24	6	0	0	4	18	1	8	21 k__Bacteria
18	22	15	9	19	1	47	7	1	23	11 k__Bacteria
19	0	3	2	2	0	0	0	0	6	19 k__Bacteria
20	0	4	7	2	0	1	4	4	14	10 k__Bacteria
21	1	2	4	6	0	0	12	0	12	19 k__Bacteria
22	29	185	154	76	6	34	137	67	491	255 k__Bacteria
23	0	14	12	0	7	9	2	0	0	2 k__Bacteria
24	5	15	10	6	10	8	2	0	0	1 k__Bacteria
25	34	230	128	312	164	518	51	0	79	218 k__Bacteria
26	3	45	41	0	3	21	22	0	6	242 k__Bacteria
27	11	4	5	29	23	14	2	0	0	6 k__Bacteria
28	39	38	5	10	3	20	30	1	20	111 k__Bacteria
29	0	5	2	0	0	5	0	0	4	2 k__Bacteria
30	9	320	174	1	47	215	13	0	159	36 k__Bacteria
31	5	2	8	0	3	13	0	0	17	23 k__Bacteria
32	0	1	7	9	1	6	2	0	1	1 k__Bacteria
33	5	0	0	1	0	0	0	0	1	0 k__Bacteria
34	1	0	2	2	0	0	0	0	0	0 k__Bacteria
35	29	0	36	0	0	0	0	0	0	0 k__Bacteria
36	2	2	1	2	1	0	2	0	0	10 k__Bacteria
37	3	10	7	3	6	20	15	0	25	7 k__Bacteria
38	14	12	27	46	10	8	1	0	10	0 k__Bacteria
39	4	3	0	1	38	9	0	0	0	0 k__Bacteria
40	0	1	0	6	0	0	0	0	0	0 k__Bacteria
41	20	2	8	5	0	5	13	0	3	8 k__Bacteria
42	6	2	0	2	6	2	2	0	26	0 k__Bacteria
43	0	0	12	2	0	1	0	0	5	0 k__Bacteria
44	0	0	4	0	0	0	0	0	0	0 k__Bacteria
45	2	7	0	10	1	5	0	0	0	0 k__Bacteria
46	0	0	0	3	0	0	0	0	7	0 k__Bacteria
47	0	0	2	2	4	0	0	0	0	0 k__Bacteria
48	8	53	113	69	65	26	5	0	76	2 k__Bacteria
49	0	8	4	2	5	0	0	0	2	1 k__Bacteria
50	0	2	3	3	4	0	2	0	7	0 k__Bacteria
51	10	203	133	107	199	45	12	0	175	5 k__Bacteria
52	0	0	0	1	2	0	0	0	3	0 k__Bacteria
53	0	0	15	1	1	0	0	0	4	0 k__Bacteria

1										
2	13	3	2	113	21	1	1	0	1	0 k__Bacteria
3	0	9	0	7	35	1	0	0	5	0 k__Bacteria
4	1	3	1	2	2	3	1	0	0	0 k__Bacteria
5	0	0	16	5	0	0	0	0	0	0 k__Bacteria
6	0	1	17	6	0	0	0	0	0	0 k__Bacteria
7	0	4	6	0	0	3	5	0	0	1 k__Bacteria
8	0	3	4	1	0	1	6	0	0	5 k__Bacteria
9	0	0	2	0	1	7	8	0	6	0 k__Bacteria
10										
11	12	1019	554	0	82	938	831	8	365	92 k__Bacteria
12	0	25	15	0	3	11	17	0	9	3 k__Bacteria
13	0	8	4	0	1	5	8	0	7	7 k__Bacteria
14	7	378	126	8	7	138	87	39	231	144 k__Bacteria
15	4	59	14	19	20	88	1	0	5	1 k__Bacteria
16										
17	10	110	39	229	68	99	10	0	10	2 k__Bacteria
18	0	3	0	1	0	0	1	0	1	0 k__Bacteria
19	5	8	4	10	0	8	0	0	3	0 k__Bacteria
20	18	8	0	19	0	2	2	0	0	0 k__Bacteria
21	36	346	44	23	16	287	7	0	9	5 k__Bacteria
22	6	26	17	3	14	40	5	0	43	7 k__Bacteria
23										
24	9	2	2	218	109	0	3	0	0	1 k__Bacteria
25	4	2	2	22	8	0	0	0	0	3 k__Bacteria
26	0	1	2	0	0	0	0	0	2	11 k__Bacteria
27	5	2	13	1	1	3	3	14	31	55 k__Bacteria
28	0	0	0	1	0	0	0	0	0	0 k__Bacteria
29	0	1	1	1	2	0	0	0	0	0 k__Bacteria
30	0	0	1	0	2	0	0	0	0	0 k__Bacteria
31										
32	1	0	3	6	0	0	0	0	1	0 k__Bacteria
33	2	0	0	10	7	0	0	1	2	0 k__Bacteria
34	12	0	9	0	0	22	1	0	4	1 k__Bacteria
35	37	0	0	36	23	0	1	5	0	0 k__Bacteria
36	3	0	0	5	0	0	0	0	0	0 k__Bacteria
37	1	0	0	2	0	4	1	0	7	2 k__Bacteria
38	0	0	5	8	0	0	0	0	0	0 k__Bacteria
39	0	0	2	1	0	0	0	0	0	2 k__Bacteria
40										
41	1	8	20	6	13	13	2	0	35	0 k__Bacteria
42	0	28	29	8	3	26	0	0	28	0 k__Bacteria
43	0	0	1	0	3	1	2	0	2	1 k__Bacteria
44	7	15	22	32	24	31	11	0	167	12 k__Bacteria
45	7	0	0	2	124	0	1	0	0	0 k__Bacteria
46	0	0	0	0	0	0	0	0	0	0 k__Bacteria
47	0	0	0	94	0	0	0	0	0	0 k__Bacteria
48										
49	3	0	0	124	37	6	1	1	0	0 k__Bacteria
50	134	0	36	19	25	259	7	0	26	0 k__Bacteria
51	1	0	0	10	0	1	0	0	1	0 k__Bacteria
52	14	0	0	97	29	5	0	0	0	0 k__Bacteria
53	3	0	0	1	1	0	0	0	0	0 k__Bacteria
54	4	0	1	2	0	6	0	0	0	0 k__Bacteria
55	1	169	73	0	5	148	62	0	1	0 k__Bacteria
56	1	0	2	0	0	0	0	0	0	0 k__Bacteria
57										
58	364	0	15	12	0	0	0	0	0	0 k__Bacteria
59	0	0	0	0	3	0	0	0	0	0 k__Bacteria
60	13	0	1	12	1	10	0	0	1	0 k__Bacteria

1										
2	0	0	2	1	0	2	1	0	5	0 k__Bacteria
3	1	0	7	21	0	0	1	0	0	2 k__Bacteria
4	5	21	5	0	2	2	12	0	3	18 k__Bacteria
5	3	0	1	4	0	0	0	0	0	0 k__Bacteria
6	584	0	41	540	23	1	3	0	0	0 k__Bacteria
7	14	0	0	31	0	0	0	0	0	0 k__Bacteria
8	0	0	0	0	0	0	0	0	0	0 k__Bacteria
9	0	0	0	0	0	0	0	0	0	0 k__Bacteria
10	0	10	0	1	1	2	0	0	0	0 k__Bacteria
11	7	8	5	5	4	6	0	0	16	19 k__Bacteria
12	0	0	0	0	0	1	0	10	1	0 k__Bacteria
13	0	0	0	0	0	0	0	5	3	0 k__Bacteria
14	6	7	0	0	0	0	2	7	3	5 k__Bacteria
15	42	5	0	26	2	1	0	0	0	0 k__Bacteria
16	6	3	0	2	0	3	0	1	1	0 k__Bacteria
17	0	1	1	3	0	5	0	0	0	0 k__Bacteria
18	0	0	0	5	4	0	0	0	0	0 k__Bacteria
19	0	0	1	0	0	0	0	0	0	0 k__Bacteria
20	0	0	1	0	0	0	0	0	0	0 k__Bacteria
21	1	3	1	0	0	5	12	4	10	0 k__Bacteria
22	0	2	0	2	0	0	0	0	5	2 k__Bacteria
23	0	5	0	0	1	5	5	2	0	6 k__Bacteria
24	2	25	12	0	2	10	3	20	29	6 k__Bacteria
25	1	22	1	1	0	0	7	0	32	16 k__Bacteria
26	7	57	72	6	0	278	1	0	44	0 k__Bacteria
27	1	7	8	1	0	10	0	0	1	0 k__Bacteria
28	0	0	0	0	0	0	0	0	0	0 k__Bacteria
29	0	1	3	8	2	9	5	2	12	0 k__Bacteria
30	1	4	2	28	6	25	1	0	3	0 k__Bacteria
31	0	1	0	1	0	0	0	0	0	0 k__Bacteria
32	2	0	0	3	0	1	0	0	0	0 k__Bacteria
33	6	3	1	0	19	3	3	0	0	0 k__Bacteria
34	8	13	13	34	23	39	14	0	25	0 k__Bacteria
35	0	0	3	7	13	0	0	0	0	0 k__Bacteria
36	0	12	20	1	19	65	54	0	7	52 k__Bacteria
37	0	0	2	0	1	0	0	0	48	0 k__Bacteria
38	0	26	6	0	4	18	34	0	50	19 k__Bacteria
39	0	2	0	0	1	1	8	0	0	6 k__Bacteria
40	3	10	8	8	5	24	54	0	27	48 k__Bacteria
41	1	7	9	10	4	4	67	13	12	109 k__Bacteria
42	0	2	2	2	3	2	2	0	4	2 k__Bacteria
43	4	10	15	86	36	58	14	3	59	2 k__Bacteria
44	4	1	0	4	0	3	1	2	19	2 k__Bacteria
45	0	0	1	0	0	0	1	0	0	0 k__Bacteria
46	2	0	0	0	0	0	1	0	0	0 k__Bacteria
47										
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2	p__Tenericutes	c__Mollicutes	o__Anaeroplasmatales	f__Anaeroplasmataceae
3	p__Tenericutes	c__Mollicutes	o__Anaeroplasmatales	f__Anaeroplasmataceae
4	p__Fusobacteria	c__Fusobacteriia	o__Fusobacteriales	f__Fusobacteriaceae
5	p__Fusobacteria	c__Fusobacteriia	o__Fusobacteriales	f__Fusobacteriaceae
6	p__Fusobacteria	c__Fusobacteriia	o__Fusobacteriales	f__Fusobacteriaceae
7	p__Tenericutes	c__Mollicutes	o__Mycoplasmatales	f__Mycoplasmataceae
8	p__Proteobacteria	c__Alphaproteobacteria	o__	f__
9	p__Proteobacteria	c__Alphaproteobacteria	o__RF32	f__
10	p__Proteobacteria	c__Alphaproteobacteria	o__RF32	f__
11	p__Proteobacteria	c__Deltaproteobacteria	o__GMD14H09	f__
12	p__Proteobacteria	c__Deltaproteobacteria	o__GMD14H09	f__
13	p__Proteobacteria	c__Deltaproteobacteria	o__GMD14H09	f__
14	p__Proteobacteria	c__Deltaproteobacteria	o__GMD14H09	f__
15	p__Deferribacteres	c__Deferribacteres	o__Deferribacterales	f__Deferribacteraceae
16	p__Deferribacteres	c__Deferribacteres	o__Deferribacterales	f__Deferribacteraceae
17	p__Proteobacteria	c__Deltaproteobacteria	o__Desulfovibrionales	f__Desulfovibrionaceae
18	p__Proteobacteria	c__Deltaproteobacteria	o__Desulfovibrionales	f__Desulfovibrionaceae
19	p__Proteobacteria	c__Deltaproteobacteria	o__Desulfovibrionales	f__Desulfovibrionaceae
20	p__Proteobacteria	c__Deltaproteobacteria	o__Desulfovibrionales	f__Desulfovibrionaceae
21	p__Proteobacteria	c__Deltaproteobacteria	o__Desulfovibrionales	f__Desulfovibrionaceae
22	p__Proteobacteria	c__Deltaproteobacteria	o__Desulfovibrionales	f__Desulfovibrionaceae
23	p__Proteobacteria	c__Deltaproteobacteria	o__Desulfovibrionales	f__Desulfovibrionaceae
24	p__Proteobacteria	c__Deltaproteobacteria	o__Desulfovibrionales	f__Desulfovibrionaceae
25	p__Proteobacteria	c__Deltaproteobacteria	o__Desulfovibrionales	f__Desulfovibrionaceae
26	NA	NA	NA	NA
27	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae
28	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae
29	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae
30	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae
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32	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae
33	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae
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36	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae
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39	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae
40	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae
41	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae
42	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae
43	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]
44	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]
45	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae
46	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae
47	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae
48	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae
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51	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae
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56	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae
57	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae
58	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae
59	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae
60	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae

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2	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
3	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
4	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
5	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
6	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
7	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
8	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
9	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
10	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
11	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
12	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
13	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
14	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
15	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
16	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
17	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
18	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
19	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
20	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
21	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
22	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
23	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
24	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
25	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
26	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
27	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
28	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
29	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
30	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
31	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
32	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
33	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
34	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
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36	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
37	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
38	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
39	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
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41	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
42	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
43	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
44	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
45	p__Firmicutes	c__Bacilli	o__Turicibacterales	f__Turicibacteraceae
46	p__Tenericutes	c__RF3	o__ML615J-28	f__
47	p__Firmicutes	c__Erysipelotrichi	o__Erysipelotrichales	f__Erysipelotrichaceae
48	p__Firmicutes	c__Erysipelotrichi	o__Erysipelotrichales	f__Erysipelotrichaceae
49	p__Firmicutes	c__Bacilli	o__Lactobacillales	f__Streptococcaceae
50	p__Firmicutes	c__Bacilli	o__Lactobacillales	f__Streptococcaceae
51	p__Firmicutes	c__Bacilli	o__Lactobacillales	f__Lactobacillaceae
52	p__Firmicutes	c__Bacilli	o__Lactobacillales	f__Lactobacillaceae
53	p__Firmicutes	c__Bacilli	o__Lactobacillales	f__Lactobacillaceae
54	p__Firmicutes	c__Bacilli	o__Lactobacillales	f__Lactobacillaceae
55	p__Firmicutes	c__Bacilli	o__Lactobacillales	f__Lactobacillaceae
56	p__Firmicutes	c__Bacilli	o__Lactobacillales	f__Lactobacillaceae
57	p__Firmicutes	c__Bacilli	o__Lactobacillales	f__Lactobacillaceae
58	p__Firmicutes	c__Bacilli	o__Lactobacillales	f__Lactobacillaceae
59	p__Firmicutes	c__Bacilli	o__Lactobacillales	f__Lactobacillaceae
60	p__Firmicutes	c__Bacilli	o__Lactobacillales	f__Lactobacillaceae

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2	g__	s__
3	g__	s__
4	g__ Coprococcus	s__
5	g__ Coprococcus	s__
6	g__ Coprococcus	s__
7	g__ Coprococcus	s__
8	g__ Coprococcus	s__
9	g__ Coprococcus	s__
10	NA	NA
11	g__ Coprococcus	s__
12	g__ Coprococcus	s__
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15	g__ Coprococcus	s__
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18	g__ Coprococcus	s__
19	NA	NA
20	g__ Coprococcus	s__
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33	g__	s__
34	g__	s__
35	g__	s__
36	g__	s__
37	g__	s__
38	g__	s__
39	g__ Lachnospira	s__
40	g__ Lachnospira	s__
41	g__	s__
42	g__	s__
43	g__ Lachnospira	s__
44	g__ Lachnospira	s__
45	g__ Lachnospira	s__
46	g__ Lachnospira	s__
47	g__ Lachnospira	s__
48	g__	s__
49	NA	NA
50	g__	s__
51	g__	s__
52	g__	s__
53	g__	s__
54	g__	s__
55	g__	s__
56	g__	s__
57	g__	s__
58	g__	s__
59	g__ Epulopiscium	s__
60	NA	NA

For Peer Review

1		
2	g__Anaeroplasma	s__
3	g__Anaeroplasma	s__
4	g__Fusobacterium	s__
5	g__Fusobacterium	s__
6	g__Fusobacterium	s__
7	g__	s__
8	g__	s__
9	g__	s__
10	g__	s__
11	g__	s__
12	g__	s__
13	g__	s__
14	g__	s__
15	g__	s__
16	g__Mucispirillum	s__schaedleri
17	g__Mucispirillum	s__schaedleri
18	g__	s__
19	g__	s__
20	g__Desulfovibrio	s__D168
21	g__Desulfovibrio	s__
22	g__Desulfovibrio	s__
23	g__Desulfovibrio	s__
24	g__Desulfovibrio	s__
25	g__Desulfovibrio	s__
26	NA	NA
27	g__Bacteroides	s__
28	g__Bacteroides	s__
29	g__Bacteroides	s__barnesiae
30	g__Bacteroides	s__
31	g__Bacteroides	s__
32	g__Bacteroides	s__
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38	g__Bacteroides	s__
39	g__Bacteroides	s__
40	g__Bacteroides	s__uniformis
41	g__Bacteroides	s__
42	g__Bacteroides	s__
43	g__YRC22	s__
44	g__YRC22	s__
45	g__Prevotella	s__
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49	g__Prevotella	s__copri
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18	g__Prevotella	s__stercorea
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48	NA	NA
49	NA	NA
50	g__CF231	s__
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7	NA	NA
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41	g__	s__
42	g__	s__
43	g__ Parabacteroides	s__
44	g__ Parabacteroides	s__
45	g__ Paludibacter	s__
46	NA	NA
47	g__ Paludibacter	s__
48	g__ Paludibacter	s__
49	g__	s__
50	g__	s__
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10	g__Parabacteroides	s__
11	g__Odoribacter	s__
12	g__Butyricimonas	s__
13	g__Butyricimonas	s__
14	g__Butyricimonas	s__
15	g__	s__
16	g__	s__
17	g__	s__
18	g__	s__
19	NA	NA
20	g__Bacteroides	s__
21	g__Bacteroides	s__
22	g__	s__
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25	g__	s__
26	g__	s__
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57	g__	s__
58	g__	s__
59	g__	s__
60	NA	NA

For Peer Review

1		
2	NA	NA
3	NA	NA
4	g__	s__
5	g__	s__
6	g__Succinivibrio	s__
7	g__Succinivibrio	s__
8	g__Succinivibrio	s__
9	g__Succinivibrio	s__
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11	g__Succinivibrio	s__
12	g__Succinivibrio	s__
13	g__Ruminobacter	s__
14	g__Aggregatibacter	NA
15	g__Actinobacillus	s__
16	g__Actinobacillus	s__
17	g__Actinobacillus	s__porcinus
18	g__Actinobacillus	s__porcinus
19	g__Actinobacillus	s__
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32	g__Sutterella	s__
33	g__Sutterella	s__
34	g__Sutterella	s__
35	g__Sutterella	s__
36	g__Sutterella	s__
37	g__Fibrobacter	s__succinogenes
38	g__Fibrobacter	s__
39	g__Fibrobacter	s__
40	g__Collinsella	s__aerofaciens
41	g__	s__
42	g__	s__
43	g__	s__
44	g__	s__
45	g__	s__
46	g__Treponema	s__
47	g__Treponema	s__
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12	g__Treponema	s__
13	NA	NA
14	g__Campylobacter	s__
15	g__Campylobacter	s__
16	g__Campylobacter	s__
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25	g__Campylobacter	s__
26	g__Helicobacter	NA
27	g__	s__
28	g__	s__
29	NA	NA
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31	g__	s__
32	g__	s__
33	g__	s__
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35	g__	s__
36	g__	s__
37	g__Clostridium	s__
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41	g__	s__
42	g__	s__
43	g__	s__
44	g__Turicibacter	s__
45	g__	s__
46	g__	s__
47	g__p-75-a5	s__
48	g__p-75-a5	s__
49	g__Streptococcus	s__
50	g__Streptococcus	s__
51	g__Lactobacillus	s__
52	g__Lactobacillus	s__
53	g__Lactobacillus	s__
54	g__Lactobacillus	s__mucosae
55	g__Lactobacillus	s__
56	g__Lactobacillus	s__
57	g__Lactobacillus	s__
58	g__Lactobacillus	s__
59	g__Lactobacillus	s__
60	g__Lactobacillus	s__

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2	g__Lactobacillus	s__
3	g__Lactobacillus	s__
4	g__Lactobacillus	s__
5	g__Dialister	s__
6	g__Clostridium	s__
7	g__Mitsuokella	s__multacida
8	g__Mitsuokella	NA
9		
10	g__Selenomonas	s__
11	g__Anaerovibrio	s__
12	g__Anaerovibrio	s__
13	g__Anaerovibrio	s__
14	g__Anaerovibrio	s__
15	g__Anaerovibrio	s__
16	g__Anaerovibrio	s__
17	g__Anaerovibrio	s__
18	g__Anaerovibrio	s__
19	g__Anaerovibrio	s__
20	g__Dehalobacterium	s__
21	g__rc4-4	s__
22	g__Clostridium	NA
23	g__Clostridium	NA
24	g__	s__
25	g__Clostridium	s__perfringens
26	g__	s__
27	g__	s__
28	NA	NA
29	g__	s__
30	NA	NA
31	NA	NA
32	g__	s__
33	g__Anaerovorax	s__
34	g__	s__
35	g__	s__
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51	g__	s__
52	g__	s__
53	g__Anaerovorax	s__
54	g__	s__
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56	g__Mogibacterium	s__
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51	g__ Oscillospira	s__
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17	g__	s__
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3	g__	s__
4	g__	s__
5	g__Ruminococcus	NA
6	g__Ruminococcus	s__
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9	g__	s__
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52	g__	s__
53	g__	s__
54	g__	s__
55	g__Ruminococcus	s__
56	g__Ruminococcus	s__
57	g__	s__
58	g__Ruminococcus	s__flavefaciens
59	g__Ruminococcus	s__
60	g__Ruminococcus	s__

1		
2	g__	s__
3	g__	s__
4	NA	NA
5	g__	s__
6	g__	s__
7	g__Roseburia	s__faecis
8	g__Roseburia	s__faecis
9	g__Roseburia	NA
10	g__Roseburia	s__
11	g__Roseburia	s__
12	NA	NA
13	g__	s__
14	g__Roseburia	s__faecis
15	g__	s__
16	g__	s__
17	g__	s__
18	g__	s__
19	g__	s__
20	g__	s__
21	g__	s__
22	g__Roseburia	s__
23	NA	NA
24	g__	s__
25	g__	s__
26	g__	s__
27	g__	s__
28	g__	s__
29	g__	s__
30	NA	NA
31	g__	s__
32	g__Coprococcus	s__
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56	g__	s__
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58	NA	NA
59	g__Coprococcus	s__
60	g__	s__

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2 g__ s__
3 g__ Coprococcus s__
4 NA NA
5 g__ s__
6 g__ s__
7 g__ s__
8 g__ s__
9 g__ Anaerostipes s__
10 g__ s__
11 g__ s__
12 g__ [Ruminococcus] s__
13 g__ [Ruminococcus] s__
14 g__ Blautia s__
15 g__ Blautia s__ producta
16 g__ s__
17 g__ s__
18 g__ s__
19 g__ s__
20 g__ s__
21 NA NA
22 g__ Blautia s__
23 g__ Blautia s__
24 g__ Blautia s__
25 g__ Dorea s__ formicigenerans
26 g__ s__
27 g__ s__
28 g__ Dorea s__
29 g__ s__
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Table S5: Differentially abundant OTUs when comparing the MUC4 genotypes and the age categories				
OTU	+samples in group 0	+samples in group 1	counts in group 0	
	298592	7	7	246
	28056	12	25	469
	253380	5	16	55
	577228	19	51	3500
	70580	8	13	89
	354599	4	6	40
New.ReferenceOTU8856		6	16	521
	4307122	1	9	1
	16733	7	9	119
	848615	14	33	744
New.ReferenceOTU584		7	12	167
New.ReferenceOTU10898		13	36	519
New.ReferenceOTU7634		10	18	124
New.ReferenceOTU4309		16	43	848
	844589	2	14	3
	539601	3	27	3
	799443	14	31	204
	172163	18	42	738
	99414	1	9	2
	344804	13	46	97
	366986	6	16	73
New.ReferenceOTU11302		7	11	110
	837859	5	5	16
	193755	4	12	7
	109413	7	8	33
New.ReferenceOTU7990		7	13	32
	10945	12	27	396
New.ReferenceOTU7656		0	18	0
	513552	0	13	0
	533298	11	34	168
	216111	6	15	22
	524575	19	46	541
	369182	5	28	7
	291158	7	30	29
	570341	6	11	66
	348009	11	29	199
New.ReferenceOTU7413		12	41	17
	74192	10	23	78
New.ReferenceOTU4443		3	18	5
New.ReferenceOTU1186		14	36	195
New.ReferenceOTU3788		11	26	43
	1951826	2	25	5
	527408	12	25	162
	471412	7	9	25
New.ReferenceOTU6997		1	15	1
New.CleanUp.ReferenceOTU9889		5	27	13
	605577	8	7	24
	147100	11	22	94
	535399	18	45	167

	1106614	11	17	43
	198151	6	14	7
	546876	2	15	3
	354461	2	11	2
	530928	3	10	5
	300123	7	23	41
	558839	5	25	5
	938672	10	16	31
New.ReferenceOTU5165		13	24	132
New.ReferenceOTU7610		17	31	232
New.ReferenceOTU2877		10	29	14
	470382	5	15	8
	316925	14	37	152
	297677	3	9	14
	328905	16	33	148
	360329	4	29	5
New.ReferenceOTU3403		13	25	78
New.ReferenceOTU7944		15	21	60
	842596	7	20	8

1	es at T0.						
2							
3							
4	counts in group 1	oddsRatio	lower	upper	fisherP	fisherAdjP	
5	22	3.667185817	0.907047002	15.12319925	0.042853491	0.669173738	
6	147	1.835485064	0.559474992	6.449361553	0.294508057	0.869455323	
7	43	0.805999134	0.193499898	2.914704823	0.777848569	1	
8	25014	Inf	0.009384315	Inf	1	1	
9							
10	52	2.156012192	0.611791375	7.491555699	0.239412598	0.869455323	
11	15	2.021612732	0.368551247	9.930210068	0.440545866	0.978455261	
12	252	1.037882262	0.272558143	3.613277428	1	1	
13	44	0.269252275	0.005746318	2.203369597	0.269648919	0.869455323	
14	42	2.741471029	0.710677472	10.43818038	0.110014489	0.789095642	
15	392	1.60168743	0.451254934	6.595424554	0.572925303	1	
16	53	1.9249492	0.520418349	6.860059432	0.363539728	0.969977767	
17	759	0.963500424	0.27675705	3.668941929	1	1	
18	79	2.07599788	0.630100085	6.987169935	0.183605348	0.819517713	
19	700	1.114593443	0.236452102	7.20206736	1	1	
20	44	0.323708293	0.032247736	1.665137069	0.204497256	0.848381059	
21	104	0.177685828	0.029672263	0.727848733	0.007119057	0.408116207	
22	164	1.880380239	0.534124123	7.705381119	0.404886829	0.969977767	
23	643	4.220225581	0.527104192	195.9845033	0.267000358	0.869455323	
24	24	0.269252275	0.005746318	2.203369597	0.269648919	0.869455323	
25	1019	0.288673344	0.06444702	1.275817781	0.071260789	0.716844339	
26	44	1.037882262	0.272558143	3.613277428	1	1	
27	44	2.148333633	0.57419748	7.791002742	0.221782085	0.869455323	
28	9	3.289321581	0.655837914	16.65300084	0.118259117	0.800220024	
29	44	0.890324222	0.180810492	3.577697468	1	1	
30	17	3.147100549	0.79912353	12.39859751	0.096492176	0.789095642	
31	38	1.735488507	0.473708181	6.093935939	0.377585258	0.969977767	
32	296	1.577071019	0.480153171	5.537410061	0.433178248	0.969977767	
33	43	0	0	0.473969375	0.001734027	0.408116207	
34	25	0	0	0.773032145	0.014776794	0.458548448	
35	190	0.731295878	0.219995192	2.500200415	0.587835244	1	
36	72	1.136350365	0.296749332	3.989892848	1	1	
37	603	Inf	0.437164505	Inf	0.182447051	0.819517713	
38	105	0.311230771	0.076206145	1.08475072	0.059370882	0.716844339	
39	286	0.433017149	0.122693543	1.423365379	0.179537897	0.819517713	
40	34	1.706369602	0.430323144	6.328548378	0.365205016	0.969977767	
41	98	1.089171783	0.333808708	3.680855067	1	1	
42	185	0.465477049	0.128353183	1.74156111	0.221782085	0.869455323	
43	64	1.394259111	0.428132039	4.610521886	0.596920094	1	
44	49	0.358871692	0.059234885	1.503521302	0.151721244	0.819517713	
45	238	1.240696123	0.343087915	5.16796138	0.777848569	1	
46	215	1.368845546	0.421170116	4.621441906	0.601026171	1	
47	88	0.13027903	0.013320067	0.638165721	0.005030361	0.408116207	
48	96	1.835485064	0.559474992	6.449361553	0.294508057	0.869455323	
49	19	2.741471029	0.710677472	10.43818038	0.110014489	0.789095642	
50	76	0.139826549	0.003091326	1.05253654	0.052111267	0.716844339	
51	142	0.335800007	0.082275791	1.170302087	0.064759638	0.716844339	
52	13	4.551618209	1.168050972	18.55938551	0.018295435	0.488680685	
53	60	1.858239479	0.570764901	6.307853131	0.289410857	0.869455323	
54	182	2.767535841	0.317071704	133.0187691	0.67278261	1	

50	2.786844664	0.843641434	9.654276471	0.098229421	0.789095642
39	1.248649986	0.323931658	4.43016582	0.768781163	1
38	0.294488369	0.029474999	1.500933178	0.1300237	0.819517713
29	0.442969557	0.043271668	2.370118728	0.490752299	1
21	0.790084731	0.123956655	3.631249087	1	1
71	0.738667681	0.210139414	2.43398581	0.786663228	1
83	0.390775831	0.095731431	1.363736876	0.113755948	0.789095642
29	2.46566874	0.741428102	8.404063959	0.103774971	0.789095642
69	2.49497449	0.743705346	9.315959922	0.114407018	0.789095642
151	5.639145231	1.142308943	55.40847211	0.021675085	0.536590517
135	0.882803484	0.270266604	2.910851177	1	1
51	0.882536264	0.210727961	3.218992607	1	1
110	1.133097914	0.310656197	4.745454732	1	1
13	0.897188124	0.138849021	4.229186334	1	1
106	3.027707325	0.726181482	18.2900875	0.146838039	0.819517713
61	0.216126832	0.045876512	0.801445256	0.014640265	0.458548448
56	2.312337409	0.689325656	8.623944968	0.180220855	0.819517713
46	5.401646495	1.453136499	25.52674241	0.006554445	0.408116207
38	0.934215904	0.2643893	3.106541422	1	1

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4	(Intercept)	MUC4_T0S	AGE_T038d	normFactor_T0	pvalues	adjPvalues	Kingdom
5	3.110540468	-2.257458143	-0.577680279	-1.664645284	3.37E-06	0.000570715	k__Bacteria
6	4.962662489	-2.227800088	-1.668668816	0.75048913	6.60E-08	6.70E-05	k__Bacteria
7	3.001844672	-2.211801625	0.830779378	0.353907201	2.49E-07	0.000126396	k__Bacteria
8	5.821370461	2.1131708	0.16385528	2.840914678	8.77E-06	0.001271378	k__Bacteria
9	3.377517643	-2.069176375	-0.503243974	1.037080817	5.87E-07	0.000198648	k__Bacteria
10	1.868628626	-1.971209856	1.745281835	-0.472023893	1.46E-06	0.000369663	k__Bacteria
11	3.554430714	-1.962582489	-0.40932557	1.989586699	0.001399899	0.028417941	k__Bacteria
12	0.427332678	1.928432766	-1.756448022	0.723268336	1.36E-05	0.001715693	k__Bacteria
13	2.554592378	-1.748507134	0.227013502	-0.385484128	0.000192395	0.007510816	k__Bacteria
14	4.279894473	-1.734460229	-0.037502135	-0.787955964	0.000856817	0.021741739	k__Bacteria
15	3.386019615	-1.67539534	-1.071857931	-0.790246905	0.000264904	0.009356495	k__Bacteria
16	4.805029553	-1.667183753	-1.00734197	-0.111687485	0.000553983	0.016538032	k__Bacteria
17	3.136334511	-1.595319194	-0.397827568	0.832262338	7.19E-05	0.005343004	k__Bacteria
18	4.341768572	-1.587291653	0.663722239	-0.97898665	0.000772885	0.020880509	k__Bacteria
19	0.441313516	1.526849015	-0.266591449	0.847179876	2.27E-06	0.000460699	k__Bacteria
20	0.344215264	1.438503884	-0.043655841	0.637331994	1.52E-05	0.001715693	k__Bacteria
21	3.382328238	-1.409985634	0.030179851	0.152763438	0.000112276	0.005343004	k__Bacteria
22	4.177982322	-1.408461969	0.346930253	0.641263565	0.001767641	0.032038498	k__Bacteria
23	0.551526294	1.407286616	-0.636432221	1.776715518	0.000170006	0.006902248	k__Bacteria
24	2.518582202	1.404269943	-0.461442737	1.012555539	0.001610663	0.031021134	k__Bacteria
25	2.442137731	-1.374152366	0.019922932	0.950928501	0.000552945	0.016538032	k__Bacteria
26	2.807783946	-1.364381917	-0.885111557	-0.081861727	0.001502393	0.029900558	k__Bacteria
27	1.883986952	-1.349111032	-0.132122862	0.491240939	0.000118182	0.005343004	k__Bacteria
28	0.925397756	1.31858404	-0.732336788	1.287482092	3.55E-05	0.003006316	k__Bacteria
29	2.168964469	-1.299985238	-0.398762051	0.591887026	9.53E-05	0.005343004	k__Bacteria
30	2.186345009	-1.297872183	0.665153967	1.042688555	9.45E-05	0.005343004	k__Bacteria
31	4.380800599	-1.28384118	-1.548077971	-1.029257183	0.002986029	0.048108242	k__Bacteria
32	-0.031577695	1.281484511	-0.108047571	1.045585369	8.15E-05	0.005343004	k__Bacteria
33	0.082559976	1.277324956	-0.116458685	0.446880883	2.83E-05	0.002614312	k__Bacteria
34	2.946102573	-1.266347043	0.798258562	-0.433259415	0.000802305	0.020880509	k__Bacteria
35	0.882980459	1.251625826	0.043879302	0.455292576	0.000157376	0.006655693	k__Bacteria
36	3.988921927	-1.246740684	0.188416996	0.22722662	0.002137431	0.038061263	k__Bacteria
37	0.611858529	1.214775099	-0.263781193	1.287982867	0.000104986	0.005343004	k__Bacteria
38	1.266825136	1.19594107	0.280494186	0.980554021	0.003235734	0.048660487	k__Bacteria
39	1.859634088	-1.153778933	0.253837089	0.781935451	0.002569382	0.043360983	k__Bacteria
40	2.773146513	-1.1476203	0.052435491	-1.599428045	0.003260013	0.048660487	k__Bacteria
41	0.983874777	1.137766293	0.025208906	0.476506676	2.36E-05	0.002397211	k__Bacteria
42	2.59584868	-1.134146921	-0.364647157	0.803611238	0.000471462	0.014954185	k__Bacteria
43	0.586025128	1.133960384	-0.249602546	0.118734608	0.000249179	0.009356495	k__Bacteria
44	3.016329178	-1.102774353	0.821822193	-0.349887153	0.000793457	0.020880509	k__Bacteria
45	1.655423002	1.085122265	-0.811596069	2.425257299	0.001179351	0.025983178	k__Bacteria
46	0.232238638	1.081905134	0.669428917	0.306833492	0.001195333	0.025983178	k__Bacteria
47	2.90785687	-1.080865236	-0.63479799	-0.533526979	0.003234589	0.048660487	k__Bacteria
48	2.224769838	-1.072740192	-0.61239712	1.393083537	0.000267328	0.009356495	k__Bacteria
49	-0.114381056	1.065550686	1.62882895	-1.021365557	0.001083012	0.024983109	k__Bacteria
50	1.138773167	1.064402655	-0.560311592	0.546763918	0.002918442	0.047777712	k__Bacteria
51	1.863517611	-1.063574844	-0.226139047	0.142234455	0.000389673	0.013123479	k__Bacteria
52	2.877051246	-1.045269166	-0.897204522	-0.597195785	0.000121073	0.005343004	k__Bacteria
53	2.854476784	-1.039224334	0.398391431	-0.660184442	0.000115331	0.005343004	k__Bacteria

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2	1.891760323	-1.036057082	0.569388124	0.235541231	0.00088379	0.021879192	k__Bacteria
3	0.835498417	1.030532316	-0.538739568	1.337742376	7.77E-05	0.005343004	k__Bacteria
4	0.438050398	0.983351167	-0.265266493	1.126754949	0.000400816	0.013123479	k__Bacteria
5	0.474580279	0.97771165	-0.183648718	1.162028996	0.000742886	0.020880509	k__Bacteria
6	0.901107918	0.977364637	-0.736179304	1.940039849	0.001692447	0.031233349	k__Bacteria
7	1.693828611	-0.975731044	0.981594613	0.7026436	0.001203162	0.025983178	k__Bacteria
8	0.527723134	0.972043825	0.186730018	0.056940752	0.001658292	0.031169752	k__Bacteria
9	1.434038089	-0.960494029	0.635418174	0.446204718	9.76E-05	0.005343004	k__Bacteria
10	2.996051384	-0.947936471	-1.037000752	0.190067497	0.001619823	0.031021134	k__Bacteria
11	3.098744062	-0.94096349	-0.140846263	-1.580456897	0.002188311	0.038295449	k__Bacteria
12	1.074193518	0.933269141	-0.06690456	-0.310862137	0.001082401	0.024983109	k__Bacteria
13	0.696509199	0.914267513	0.003396165	1.307691769	0.000681401	0.019760639	k__Bacteria
14	2.836545161	-0.9096074	-0.379117355	-0.968143529	0.000953373	0.023039855	k__Bacteria
15	1.162872543	-0.861105772	0.769600921	1.167528481	0.001298263	0.027452858	k__Bacteria
16	2.64140917	-0.841748854	-0.215334827	-1.294244954	0.002263063	0.038932358	k__Bacteria
17	0.652374912	0.840303881	-0.324445594	0.294867564	0.001374439	0.028417941	k__Bacteria
18	2.341689779	-0.783840212	-0.388976918	-0.363772738	0.003159941	0.048660487	k__Bacteria
19	2.118300318	-0.729817059	-0.332327427	0.21316153	0.003084815	0.048660487	k__Bacteria
20	0.930130331	0.619943722	-0.267982539	-0.516056395	0.002605931	0.043360983	k__Bacteria
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4	Phylum	Class	Order	Family
5	p__Fusobacteria	c__Fusobacteriia	o__Fusobacteriales	f__Fusobacteriaceae
6	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae
7	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Lachnospiraceae
8	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__S24-7
9	p__Proteobacteria	c__Gammaproteobacteria	o__Pasteurellales	f__Pasteurellaceae
10	p__Spirochaetes	c__Spirochaetes	o__Spirochaetales	f__Spirochaetaceae
11	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__S24-7
12	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__[Odoribacteraceae]
13	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__
14	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
15	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Lachnospiraceae
16	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae
17	p__Firmicutes	c__Clostridia	o__Clostridiales	f__[Mogibacteriaceae]
18	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]
19	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__S24-7
20	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Lachnospiraceae
21	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
22	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
23	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Christensenellaceae
24	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Lachnospiraceae
25	p__Firmicutes	c__Clostridia	o__Clostridiales	NA
26	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
27	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Ruminococcaceae
28	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Ruminococcaceae
29	p__Proteobacteria	c__Gammaproteobacteria	o__Pasteurellales	f__Pasteurellaceae
30	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Lachnospiraceae
31	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Lachnospiraceae
32	p__Proteobacteria	c__Epsilonproteobacteria	o__Campylobacterales	f__Helicobacteraceae
33	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Ruminococcaceae
34	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Veillonellaceae
35	p__Proteobacteria	c__Gammaproteobacteria	o__Aeromonadales	f__Succinivibrionaceae
36	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Lachnospiraceae
37	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Lachnospiraceae
38	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Lachnospiraceae
39	p__Spirochaetes	c__Spirochaetes	o__Spirochaetales	f__Spirochaetaceae
40	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Ruminococcaceae
41	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Ruminococcaceae
42	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__S24-7
43	p__Proteobacteria	c__Gammaproteobacteria	o__Pasteurellales	f__Pasteurellaceae
44	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Ruminococcaceae
45	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
46	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__S24-7
47	p__Proteobacteria	c__Gammaproteobacteria	o__Pasteurellales	f__Pasteurellaceae
48	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Ruminococcaceae
49	p__Firmicutes	c__Clostridia	o__Clostridiales	f__
50	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__S24-7
51	p__Proteobacteria	c__Gammaproteobacteria	o__Enterobacteriales	f__Enterobacteriaceae
52	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]
53	p__Proteobacteria	c__Gammaproteobacteria	o__Pasteurellales	f__Pasteurellaceae
54	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae
55	p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae
56	p__Firmicutes	c__Erysipelotrichi	o__Erysipelotrichales	f__Erysipelotrichaceae
57	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Ruminococcaceae
58	p__Firmicutes	c__Clostridia	o__Clostridiales	f__Ruminococcaceae
59				
60				

p__Firmicutes	c__Clostridia	o__Clostridiales	f__Lachnospiraceae
p__Firmicutes	c__Clostridia	o__Clostridiales	f__Ruminococcaceae
p__Firmicutes	c__Clostridia	o__Clostridiales	f__Lachnospiraceae
p__Firmicutes	c__Clostridia	o__Clostridiales	f__Lachnospiraceae
p__Firmicutes	c__Clostridia	o__Clostridiales	f__Ruminococcaceae
p__Firmicutes	c__Clostridia	o__Clostridiales	f__Lachnospiraceae
p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae
p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae
p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae
p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__
p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae
p__Firmicutes	c__Clostridia	o__Clostridiales	f__Lachnospiraceae
p__Firmicutes	c__Clostridia	o__Clostridiales	f__Ruminococcaceae
p__Firmicutes	c__Clostridia	o__Clostridiales	f__
p__Firmicutes	c__Clostridia	o__Clostridiales	f__Ruminococcaceae
p__Firmicutes	c__Clostridia	o__Clostridiales	f__Lachnospiraceae
p__Bacteroidetes	c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]
p__Firmicutes	c__Clostridia	o__Clostridiales	f__[Mogibacteriaceae]
p__Firmicutes	c__Clostridia	o__Clostridiales	f__Lachnospiraceae

1		
2		
3		
4	Genus	Species
5	g__Fusobacterium	s__
6	g__Bacteroides	s__
7	g__Dorea	s__
8	g__	s__
9	g__	s__
10	g__Actinobacillus	s__porcinus
11	g__Treponema	s__
12	g__	s__
13	g__Odoribacter	s__
14	g__	s__
15	g__	s__
16	g__	s__
17	g__	s__
18	g__Bacteroides	s__
19	g__Anaerovorax	s__
20	g__[Prevotella]	s__
21	g__	s__
22	g__	s__
23	g__	s__
24	g__	s__
25	g__	s__
26	g__	s__
27	g__Coprococcus	s__
28	NA	NA
29	g__	s__
30	g__	s__
31	g__Ruminococcus	s__
32	g__Actinobacillus	s__porcinus
33	g__	s__
34	NA	NA
35	g__	s__
36	g__Anaerovibrio	s__
37	g__Succinivibrio	s__
38	g__	s__
39	g__	s__
40	g__	s__
41	g__Treponema	s__
42	g__	s__
43	g__Oscillospira	s__
44	g__	s__
45	g__Actinobacillus	s__
46	g__	s__
47	g__	s__
48	g__	s__
49	g__	s__
50	g__[Prevotella]	s__
51	g__Actinobacillus	s__
52	g__Prevotella	s__
53	g__Prevotella	s__copri
54	g__p-75-a5	s__
55	g__	s__
56	g__Oscillospira	s__
57		
58		
59		
60		

g__	s__
g__	s__
g__Blautia	s__
g__	s__
g__Ruminococcus	s__
g__Coprococcus	s__
g__Prevotella	s__copri
g__Prevotella	s__
g__Bacteroides	s__
g__	s__
g__Prevotella	s__
g__Coprococcus	s__
g__Oscillospira	s__
g__	s__
g__Oscillospira	s__
g__	s__
g__[Prevotella]	s__
g__	s__
g__Coprococcus	s__

For Peer Review

Table S6: Differentially abundant OTUs when comparing the non-diarrhoeic and diarrhoeic animals				
OTU		+samples in group 0	+samples in group 1	counts in group 0
New.ReferenceOTU1852		12	0	70
	514045	23	2	2559
New.ReferenceOTU6997		15	1	76
New.CleanUp.ReferenceOTU27900		11	1	107
	364736	9	1	36
	43052	13	1	42
New.ReferenceOTU394		21	3	262
	577228	53	17	25639
	198552	14	4	132
	804526	38	7	676
	523934	31	1	166
	333195	9	4	77
	547854	46	14	2533
	791522	43	11	1143
	330285	32	5	326
	295100	10	0	21
	515299	14	2	54
	570507	52	12	1215
	366391	28	9	396
	338757	33	1	127
New.ReferenceOTU2144		20	4	87
	355175	10	1	23
New.ReferenceOTU10023		45	11	718
	216111	18	3	75
	369429	17	1	63
New.ReferenceOTU2204		10	5	83
	292575	36	8	430
	300355	13	2	30
New.CleanUp.ReferenceOTU126048		40	9	1083
New.ReferenceOTU2058		17	2	50
	558458	15	2	35
New.ReferenceOTU7656		18	0	43
New.ReferenceOTU10211		22	4	64
	4330423	12	1	139
	720093	36	9	400
	354957	29	8	155
	370183	31	3	164
	198151	18	2	43
	292387	10	1	42
	354461	12	1	30
	198814	46	14	865
	362947	40	4	147
	297065	31	3	156
	353214	12	0	28
	362991	25	4	125
	4441081	19	2	72
	345834	33	11	309
	844589	14	2	41
New.ReferenceOTU8097		25	2	85

1				
2		196392	23	5
3		532232	10	0
4		621472	35	6
5		302809	38	7
6		363400	28	5
7		564941	39	9
8		290399	23	1
9				
10	New.ReferenceOTU5014		41	8
11		361398	24	3
12	New.ReferenceOTU6786		22	3
13		559659	36	8
14	New.ReferenceOTU691		41	6
15				
16		333325	12	4
17		99414	8	2
18		4406814	14	2
19		335846	13	3
20		470382	16	4
21		808794	33	5
22		772384	33	7
23				
24		33133	19	1
25		520720	22	7
26		530928	12	1
27	New.ReferenceOTU1512		24	13
28		347189	30	11
29				
30	New.ReferenceOTU3003		19	8
31	New.ReferenceOTU7944		26	10
32	New.ReferenceOTU7990		13	7
33		36792	20	8
34		328825	32	12
35	New.ReferenceOTU4568		34	14
36		2892743	23	14
37		48088	22	7
38				
39		109413	8	7
40		328905	35	14
41		22371	27	12
42	New.ReferenceOTU11332		31	12
43		339504	40	12
44		471412	10	6
45				
46	New.ReferenceOTU3580		29	10
47	New.ReferenceOTU10047		23	8
48	New.ReferenceOTU3403		25	13
49	New.ReferenceOTU3703		28	12
50		535601	50	17
51		837859	6	4
52				
53		4435235	50	15
54		584463	19	10
55		1105615	13	4
56	New.ReferenceOTU7292		15	6
57	New.ReferenceOTU4410		39	12
58		514523	15	7
59		528752	52	17
60		4358599	12	5

1				
2	New.ReferenceOTU5165	26	11	83
3	1105328	19	10	55
4	New.ReferenceOTU2631	44	16	725
5	New.CleanUp.ReferenceOTU58992	8	5	27
6	294053	24	10	127
7	233549	12	5	36
8				
9	New.ReferenceOTU105	15	8	101
10	70580	12	9	75
11	576712	38	11	442
12	New.ReferenceOTU3520	27	11	91
13	524575	50	15	554
14	355630	52	16	583
15				
16	New.ReferenceOTU4455	47	13	575
17	New.ReferenceOTU7671	47	14	815
18	339791	29	10	148
19	332831	37	15	596
20	262936	18	5	60
21	172163	46	14	773
22	147100	25	8	68
23	310886	45	10	404
24				
25	New.ReferenceOTU7634	19	9	101
26	New.ReferenceOTU4529	47	15	1175
27	New.ReferenceOTU1065	18	7	129
28	New.ReferenceOTU2	30	9	203
29	New.CleanUp.ReferenceOTU111198	19	9	124
30	513985	26	13	73
31				
32	New.ReferenceOTU7043	47	15	423
33	510205	47	16	563
34	367813	9	5	24
35	New.ReferenceOTU5623	29	10	251
36	584083	34	14	617
37				
38	New.ReferenceOTU3709	50	16	1691
39	1033345	48	16	1210
40	New.ReferenceOTU11142	38	15	413
41	1111294	52	16	1980
42	298592	7	7	25
43				
44	New.ReferenceOTU5511	15	6	43
45	4323524	18	10	93
46	New.ReferenceOTU741	24	5	306
47	New.ReferenceOTU10898	37	12	767
48	New.ReferenceOTU584	13	6	74
49	New.ReferenceOTU1441	49	17	4892
50	New.ReferenceOTU11302	12	6	53
51	New.ReferenceOTU7312	10	7	28
52				
53	28056	24	13	209
54	34757	14	8	75
55	350447	40	10	1171
56	589277	17	5	422
57	548699	33	11	1194
58	16733	9	7	31
59	253380	17	4	44
60				
	New.ReferenceOTU357	24	12	209

at T0.

counts in group 1	oddsRatio	lower	upper	fisherP	fisherAdjP	(Intercept)
0	Inf	0.976367042	Inf	0.057211824	0.354085373	2.51029763
6	5.450995432	1.09468309	53.80238657	0.022191341	0.278549319	3.124739218
1	6.041192202	0.79368231	274.6442549	0.094261298	0.453463474	2.210155278
2	4.032648468	0.507067299	186.8610866	0.269915309	0.639989145	2.136200243
1	3.159544809	0.382114958	148.7955262	0.432726572	0.776002597	2.046193983
1	4.989006339	0.64375005	228.6222507	0.162498731	0.550664647	1.937318486
19	2.929106162	0.695656865	17.78769789	0.145170727	0.550664647	2.793947076
2875	0	0	123.6449501	1	1	7.908479322
5	1.135498831	0.283811769	5.578255256	1	1	2.330049201
30	3.329040845	0.951876847	12.37095123	0.043199923	0.350783377	3.108558555
2	20.80425923	2.841605648	928.2312364	0.00016422	0.03333657	1.965893063
8	0.654242028	0.149690912	3.38485439	0.495889691	0.862343679	2.550085939
222	1.228426331	0.185135381	6.074643793	0.717545031	0.947596186	4.351404104
50	2.107191063	0.520731831	8.062369623	0.327396775	0.71983959	3.612465814
11	3.428964093	0.956310485	14.26292089	0.050194423	0.351120019	2.560578258
0	Inf	0.757334812	Inf	0.103809411	0.464169834	1.49312177
5	2.594620795	0.497320751	26.23648204	0.324628613	0.71983959	1.990432484
62	10.33669916	1.482050637	120.9615442	0.007175612	0.18244804	3.772324865
24	0.957837865	0.275482606	3.279244628	1	1	2.871734308
2	24.1693462	3.293820472	1079.172146	5.18981E-05	0.026338296	1.786829667
6	1.895350484	0.493528205	9.081192758	0.386241948	0.751178501	1.931452941
1	3.586389324	0.443192964	167.3976858	0.276617409	0.639989145	1.523969188
138	2.682936644	0.64379138	10.75903658	0.169310528	0.550664647	3.295786721
19	2.30817997	0.54119515	14.12168019	0.360769392	0.744343557	1.985717463
2	7.204414896	0.958908878	325.6138586	0.052524906	0.351120019	1.65401318
21	0.550552834	0.136518091	2.454409364	0.331197132	0.71983959	2.395876439
20	2.222997128	0.640540431	7.905871584	0.163809619	0.550664647	2.612913948
2	2.353082006	0.446266135	23.92490102	0.495957462	0.862343679	1.483650838
66	2.503179671	0.693965852	9.040104332	0.134403268	0.550664647	3.531356897
7	3.395719846	0.666252179	33.92705805	0.1300237	0.550664647	1.6103874
2	2.848229078	0.550925459	28.67304525	0.21302494	0.635942102	1.539045287
0	Inf	1.771595344	Inf	0.003846316	0.180433064	1.398658235
5	2.210655195	0.57954796	10.55036218	0.255481278	0.639989145	1.6791575
2	4.499689141	0.573861906	207.2469027	0.167257394	0.550664647	1.659164862
17	1.762861066	0.499699371	6.174749514	0.389139079	0.751178501	2.428274589
11	1.30008836	0.380015347	4.5279173	0.781937381	0.947596186	2.047514554
8	6.132968461	1.471804214	37.14268306	0.005250752	0.180433064	2.007011829
3	3.691756733	0.728391225	36.74736888	0.123482227	0.53773441	1.452965771
1	3.586389324	0.443192964	167.3976858	0.276617409	0.639989145	1.636567715
1	4.499689141	0.573861906	207.2469027	0.167257394	0.550664647	1.401254634
70	1.228426331	0.185135381	6.074643793	0.717545031	0.947596186	3.495228589
7	8.943790147	2.287623479	44.15880756	0.000356436	0.049689645	1.903224858
8	6.132968461	1.471804214	37.14268306	0.005250752	0.180433064	1.954502709
0	Inf	0.976367042	Inf	0.057211824	0.354085373	1.212679776
11	2.763375739	0.729013772	13.14810081	0.156300062	0.550664647	1.995744708
2	4.004317657	0.793854181	39.79664642	0.075809019	0.43719406	1.403063704
22	0.858988347	0.224994224	3.009558127	1	1	2.361357058
6	2.594620795	0.497320751	26.23648204	0.324628613	0.71983959	1.624354786
2	6.319868647	1.273716442	62.36639095	0.011056286	0.198864823	1.428028224

1						
2	7	1.766673175	0.491224989	7.328993529	0.402401375	0.751178501 1.789395047
3	0	Inf	0.757334812	Inf	0.103809411	0.464169834 1.122950938
4	9	3.316208028	0.947684195	12.78954379	0.04809479	0.351120019 1.954632274
5	25	3.329040845	0.951876847	12.37095123	0.043199923	0.350783377 2.373336729
6	6	2.550793114	0.713496887	10.56543412	0.162987768	0.550664647 1.712252518
7	17	2.281717648	0.63701374	8.161957538	0.151260193	0.550664647 2.199526077
8	3	11.5695237	1.572993071	517.7136642	0.006781969	0.18244804 1.301030193
9	26	3.475809203	0.971473337	12.87781209	0.035840784	0.327733294 2.432663499
10	3	3.670770141	0.878530723	22.20591992	0.083614938	0.453463474 1.387219404
11	5	3.16116528	0.7530932	19.1662081	0.143812714	0.550664647 1.497008021
12	18	2.222997128	0.640540431	7.905871584	0.163809619	0.550664647 2.159414601
13	15	5.613791197	1.551225575	22.53382931	0.003298912	0.167419774 2.014243433
14	4	0.929553899	0.226467491	4.636711772	1	1 1.679841981
15	3	1.299676787	0.222806478	13.88886456	1	1 1.384821357
16	3	2.594620795	0.497320751	26.23648204	0.324628613	0.71983959 1.301133175
17	5	1.471995955	0.33105121	9.220010313	0.745013775	0.947596186 1.389501346
18	7	1.36260585	0.346849043	6.619454229	0.762376209	0.947596186 1.533710526
19	7	3.69913919	1.029888115	15.43639077	0.027976067	0.278549319 1.5374606
20	10	2.218672742	0.646134066	8.049692777	0.170895925	0.550664647 1.750680344
21	1	8.497265068	1.141772134	382.3737494	0.027992148	0.278549319 1.003321581
22	7	0.982386748	0.285258112	3.54342452	1	1 1.356708934
23	2	4.499689141	0.573861906	207.2469027	0.167257394	0.550664647 1.035192407
24	43	0.250998514	0.052710812	0.949682539	0.027118022	0.278549319 1.333118589
25	39	0.685454626	0.180368988	2.382838154	0.581689574	0.862343679 1.236562099
26	23	0.615141092	0.176514099	2.162231013	0.403719931	0.751178501 0.920207653
27	41	0.653963564	0.181859488	2.234010843	0.579809267	0.862343679 1.310571127
28	30	0.458536718	0.125471275	1.722898622	0.219111314	0.639989145 1.573751951
29	27	0.665742384	0.191836381	2.333113245	0.571615989	0.862343679 1.018848086
30	91	0.610219608	0.146879128	2.200271275	0.568099842	0.862343679 1.698242636
31	101	0.369016032	0.060631389	1.559133591	0.23372669	0.639989145 1.873778131
32	66	0.163053178	0.026923203	0.679438196	0.005250752	0.180433064 1.133202592
33	38	0.982386748	0.285258112	3.54342452	1	1 1.222052438
34	28	0.254517737	0.062351125	1.0272344	0.037046877	0.329847195 0.938628734
35	158	0.399450818	0.065475678	1.695134778	0.234797264	0.639989145 1.71916651
36	54	0.421726934	0.101864447	1.508168056	0.169188036	0.550664647 1.208793614
37	84	0.566035651	0.136444383	2.035727055	0.402401375	0.751178501 1.653521742
38	107	1.187471967	0.27717847	4.493537628	0.762376209	0.947596186 1.991620639
39	18	0.42252356	0.108176275	1.73266328	0.186767929	0.583290609 1.149596611
40	76	0.814374916	0.226524888	2.787519219	0.784805744	0.947596186 1.577805086
41	38	0.836822303	0.243305831	2.915331115	0.784805744	0.947596186 1.129451287
42	79	0.270139738	0.05678233	1.021662971	0.049368158	0.351120019 1.290293001
43	43	0.453679616	0.109590259	1.623561792	0.262541591	0.639989145 1.047112309
44	557	0	0	4.883709534	0.56602222	0.862343679 3.509356564
45	12	0.412313993	0.082504525	2.289904209	0.236933923	0.639989145 0.784037231
46	284	1.653422279	0.13691892	12.90468076	0.624612165	0.91089274 2.87544364
47	52	0.385504433	0.105509092	1.330950692	0.097785476	0.457432868 1.053340269
48	32	1.030055257	0.254493024	5.095315064	1	1 0.673449987
49	31	0.708721804	0.195296706	2.769712432	0.556459572	0.862343679 0.857196092
50	127	1.082099079	0.254204571	4.054351925	1	1 1.787775151
51	35	0.554382838	0.154992702	2.052256056	0.370103046	0.751178501 0.813734189
52	843	0	0	17.16204785	1	1 4.079409964
53	88	0.689560126	0.177600538	3.002946439	0.532312977	0.862343679 0.921570222

1							
2	118	0.511337966	0.13462226	1.771015317	0.275185476	0.639989145	1.543014523
3	88	0.385504433	0.105509092	1.330950692	0.097785476	0.457432868	1.628017582
4	507	0.27883197	0.005973798	2.25635351	0.276617409	0.639989145	3.448528664
5	67	0.423330016	0.098966787	1.953694528	0.278064249	0.639989145	0.900363893
6	76	0.564645303	0.156661466	1.930238226	0.405521754	0.751178501	1.51852169
7	83	0.689560126	0.177600538	3.002946439	0.532312977	0.862343679	1.507647786
8	65	0.438266321	0.122519628	1.569824852	0.151260193	0.550664647	1.28151125
9	66	0.259787183	0.06921557	0.938709601	0.030175385	0.286720707	1.484109662
10	182	1.290574314	0.332113781	4.644392527	0.765430785	0.947596186	2.461356932
11	110	0.55009416	0.144882212	1.905742723	0.40443398	0.751178501	1.597139393
12	590	1.653422279	0.13691892	12.90468076	0.624612165	0.91089274	2.890361402
13	436	1.612683083	0.025940089	32.92362007	0.56602222	0.862343679	3.109079289
14	309	2.04221589	0.378868546	9.62650457	0.441230388	0.782952524	2.752420762
15	677	1.430920197	0.211173613	7.376963468	0.693541941	0.947596186	3.074398189
16	525	0.814374916	0.226524888	2.787519219	0.784805744	0.947596186	2.013458796
17	486	0.294488369	0.029474999	1.500933178	0.1300237	0.550664647	3.199909276
18	142	1.196973831	0.326504912	5.024457399	1	1	0.97892265
19	608	1.228426331	0.185135381	6.074643793	0.717545031	0.947596186	3.001649686
20	86	0.970235024	0.283110983	3.374233038	1	1	1.511943798
21	297	3.426852143	0.866630963	13.53459449	0.048307737	0.351120019	2.706481679
22	102	0.487739445	0.137811817	1.686590225	0.25686343	0.639989145	1.410320156
23	695	0.896606461	0.082386101	5.441019699	1	1	3.604689763
24	227	0.717798041	0.205071271	2.617430551	0.572314711	0.862343679	2.059105142
25	299	1.109457566	0.318794502	3.80791951	1	1	2.306264092
26	156	0.487739445	0.137811817	1.686590225	0.25686343	0.639989145	1.374570084
27	119	0.290637013	0.061124508	1.099166727	0.052515284	0.351120019	1.411426455
28	338	0.896606461	0.082386101	5.441019699	1	1	2.887069175
29	488	0.423874903	0.008775303	3.736201801	0.669851212	0.947596186	3.040407285
30	47	0.485581185	0.117319369	2.198379424	0.299202974	0.682451728	0.688760219
31	268	0.814374916	0.226524888	2.787519219	0.784805744	0.947596186	1.821560497
32	766	0.369016032	0.060631389	1.559133591	0.23372669	0.639989145	3.046160021
33	1073	0.783827172	0.014946827	8.712727085	1	1	4.151748016
34	957	0.504173332	0.010243699	4.669514393	1	1	3.442224676
35	391	0.321034736	0.032028144	1.64694147	0.204758844	0.624114795	2.344032506
36	1633	1.612683083	0.025940089	32.92362007	0.56602222	0.862343679	3.920760047
37	243	0.218732283	0.051344564	0.905925691	0.03074461	0.286720707	0.823210397
38	130	0.708721804	0.195296706	2.769712432	0.556459572	0.862343679	0.781948414
39	330	0.355578262	0.096853284	1.232038387	0.08786686	0.453463474	1.47582087
40	164	1.902959659	0.530259239	7.885780311	0.397203147	0.751178501	1.622146868
41	511	0.908079401	0.215482816	3.349557292	1	1	2.541595881
42	146	0.586039507	0.15801412	2.323835036	0.365205016	0.744343557	1.103256339
43	7718	0	0	3.488630212	0.327982169	0.71983959	5.286741605
44	101	0.529010503	0.140640642	2.117242881	0.341369646	0.734105962	0.865029319
45	52	0.330729687	0.085973257	1.286306599	0.099394316	0.457432868	0.767511921
46	407	0.250998514	0.052710812	0.949682539	0.027118022	0.278549319	1.839588575
47	277	0.399491899	0.110618192	1.440993094	0.134403268	0.550664647	1.417941823
48	2848	1.979070302	0.530973633	7.148556919	0.2403473	0.639989145	2.916101274
49	1002	1.101225288	0.298546916	4.64074128	1	1	1.576104563
50	2761	0.858988347	0.224994224	3.009558127	1	1	3.036705269
51	130	0.291812999	0.07388474	1.153893691	0.048307737	0.351120019	0.754176378
52	54	1.485195343	0.380703193	7.18380005	0.761502592	0.947596186	1.277243897
53	511	0.33853402	0.081629524	1.210970261	0.094232115	0.453463474	1.916168148

	FECAL_SCORE_T0_2POS	normFactor_T0	pvalues	adjPvalues	Kingdom	Phylum
1	-2.732852587	-1.37118403	4.48429E-09	2.27578E-06	k__Bacteria	p__Bacteroidetes
2	-2.39898009	2.142458496	0.002205915	0.027642023	k__Bacteria	p__Spirochaetes
3						
4						
5	-2.161074366	-0.413983115	3.59834E-09	2.27578E-06	k__Bacteria	p__Bacteroidetes
6	-2.137521854	-1.074040414	1.81517E-06	0.000199588	k__Bacteria	p__Bacteroidetes
7	-2.116266958	-1.164968307	8.43958E-07	0.000122374	k__Bacteria	p__Firmicutes
8	-1.949253549	-0.682717475	1.29735E-07	2.63361E-05	k__Bacteria	p__Firmicutes
9	-1.914954757	0.226759131	5.28835E-05	0.001917026	k__Bacteria	p__Bacteroidetes
10	-1.803244063	2.020044427	0.000454499	0.009414627	k__Bacteria	p__Bacteroidetes
11	-1.80173857	0.633018366	9.53775E-06	0.000537823	k__Bacteria	p__Firmicutes
12	-1.730185155	0.143059085	0.001438099	0.020558735	k__Bacteria	p__Firmicutes
13	-1.729054658	-0.460761417	0.000241	0.006001908	k__Bacteria	p__Firmicutes
14	-1.725721804	1.365378726	1.77466E-05	0.000818764	k__Bacteria	p__Firmicutes
15	-1.695774911	0.54387093	0.006882502	0.047200943	k__Bacteria	p__Bacteroidetes
16	-1.584327569	0.005653683	0.003793205	0.035070289	k__Bacteria	p__Firmicutes
17	-1.580251767	0.179849852	0.000835454	0.014133102	k__Bacteria	p__Firmicutes
18	-1.564689461	-0.42055524	1.96639E-06	0.000199588	k__Bacteria	p__Firmicutes
19	-1.543522097	0.264769525	4.07919E-06	0.000318491	k__Bacteria	p__Firmicutes
20	-1.509306732	0.81189549	0.000475271	0.009428794	k__Bacteria	p__Firmicutes
21	-1.508313223	-0.520956271	0.000947118	0.01575942	k__Bacteria	p__Firmicutes
22	-1.503788382	-0.069712707	0.000138209	0.004008069	k__Bacteria	p__Firmicutes
23	-1.476435526	-0.834326356	1.50033E-05	0.00076142	k__Bacteria	p__Bacteroidetes
24	-1.393070977	0.085752703	1.76629E-05	0.000818764	k__Bacteria	p__Firmicutes
25	-1.316822038	-0.620998406	0.006663488	0.046644415	k__Bacteria	p__Bacteroidetes
26	-1.314869304	-0.012365431	0.000179403	0.004791961	k__Bacteria	p__Firmicutes
27	-1.309197883	0.978644841	4.17064E-05	0.001567854	k__Bacteria	p__Firmicutes
28	-1.293503067	0.815932134	0.001019324	0.016422448	k__Bacteria	p__Bacteroidetes
29	-1.291048128	-0.18822912	0.003120512	0.032477204	k__Bacteria	p__Firmicutes
30	-1.278315963	-0.072492268	2.29573E-05	0.000973445	k__Bacteria	p__Actinobacteria
31	-1.25801025	3.303326917	0.006524703	0.046454538	k__Bacteria	p__Bacteroidetes
32	-1.252183918	-1.025147271	0.000149793	0.004223339	k__Bacteria	p__Bacteroidetes
33	-1.2488081	0.470506049	2.67906E-06	0.000226604	k__Bacteria	p__Bacteroidetes
34	-1.228530359	0.964435475	2.31248E-06	0.000213379	k__Bacteria	p__Firmicutes
35	-1.227191285	-0.468053807	1.20182E-05	0.000642023	k__Bacteria	p__Firmicutes
36	-1.226399848	1.45965983	0.00479363	0.038924276	k__Bacteria	p__Bacteroidetes
37	-1.21234697	0.591096101	0.006544827	0.046454538	k__Bacteria	p__Firmicutes
38	-1.206614647	-0.876209523	0.000481408	0.009428794	k__Bacteria	p__Firmicutes
39	-1.195073219	0.341332649	0.003822154	0.035070289	k__Bacteria	p__Firmicutes
40	-1.194970769	-0.318314538	3.70985E-05	0.001506197	k__Bacteria	p__Firmicutes
41	-1.177748178	2.911728988	4.11339E-05	0.001567854	k__Bacteria	p__Firmicutes
42	-1.150518821	0.746974856	5.53744E-05	0.001938104	k__Bacteria	p__Firmicutes
43	-1.146537013	2.254879227	0.001005744	0.016422448	k__Bacteria	p__Firmicutes
44	-1.13279299	0.098276164	0.000534842	0.010030882	k__Bacteria	p__Firmicutes
45	-1.121506528	0.62430494	0.002781524	0.03199797	k__Bacteria	p__Firmicutes
46	-1.105480333	0.621916304	8.73003E-05	0.002769057	k__Bacteria	p__Firmicutes
47	-1.082468676	0.11192925	0.003641295	0.035070289	k__Bacteria	p__Firmicutes
48	-1.077190303	0.038751653	0.002967047	0.032276715	k__Bacteria	p__Actinobacteria
49	-1.07339352	0.106940507	0.005412463	0.042223049	k__Bacteria	p__Firmicutes
50	-1.071801987	0.613118095	0.000242702	0.006001908	k__Bacteria	p__Bacteroidetes
51	-1.026426436	0.724203709	0.002839561	0.03199797	k__Bacteria	p__Firmicutes

1						
2	-1.02049724	0.673218037	0.00567401	0.043475127	k__Bacteria	p__Firmicutes
3	-0.999210479	0.729317884	0.000159046	0.004363024	k__Bacteria	p__Firmicutes
4	-0.987926134	0.464702865	0.002485332	0.030031092	k__Bacteria	p__Firmicutes
5	-0.973237861	1.200851228	0.002719717	0.03199797	k__Bacteria	p__Firmicutes
6	-0.96257528	0.730533725	0.006828863	0.047200943	k__Bacteria	p__Firmicutes
7	-0.95285366	0.379484219	0.001918596	0.026240222	k__Bacteria	p__Firmicutes
8	-0.944035476	-0.122692064	0.002868697	0.03199797	k__Bacteria	p__Firmicutes
9	-0.929416372	0.15000349	0.006049713	0.044625753	k__Bacteria	p__Bacteroidetes
10	-0.926427771	0.201294335	0.001830246	0.025801384	k__Bacteria	p__Firmicutes
11	-0.917388197	-0.463121821	0.006644842	0.046644415	k__Bacteria	p__Bacteroidetes
12	-0.895070968	0.248627434	0.006020815	0.044625753	k__Bacteria	p__Firmicutes
13	-0.892272043	0.062432289	0.004019328	0.035337287	k__Bacteria	p__Bacteroidetes
14	-0.87362	1.86517745	0.003830129	0.035070289	k__Bacteria	p__Firmicutes
15	-0.872882819	0.984801395	0.004073362	0.035337287	k__Bacteria	p__Firmicutes
16	-0.853577368	0.893405458	0.004237224	0.035839851	k__Bacteria	p__Firmicutes
17	-0.812214236	0.811726318	0.003703325	0.035070289	k__Bacteria	p__Firmicutes
18	-0.787768951	1.112098532	0.003880857	0.035170266	k__Bacteria	p__Firmicutes
19	-0.7873697	-0.217474387	0.005354487	0.042223049	k__Bacteria	p__Firmicutes
20	-0.765106525	0.781392399	0.006844337	0.047200943	k__Bacteria	p__Firmicutes
21	-0.749532066	0.529083057	0.006975026	0.047514442	k__Bacteria	p__Firmicutes
22	-0.628454661	-0.374356013	0.002762721	0.03199797	k__Bacteria	p__Firmicutes
23	-0.623042721	1.369570425	0.006309749	0.045715557	k__Bacteria	p__Firmicutes
24	0.668739985	0.096373683	0.003231722	0.032477204	k__Bacteria	p__Bacteroidetes
25	0.713034404	0.309489564	0.003688562	0.035070289	k__Bacteria	p__Firmicutes
26	0.750434672	0.967295863	0.002701597	0.03199797	k__Bacteria	p__Firmicutes
27	0.752306344	0.226839406	0.005401186	0.042223049	k__Bacteria	p__Firmicutes
28	0.768241644	1.355519535	0.005777591	0.0437631	k__Bacteria	p__Firmicutes
29	0.809732218	0.603164593	0.007419189	0.049218804	k__Bacteria	p__Firmicutes
30	0.811162919	-0.005262308	0.006350634	0.045715557	k__Bacteria	p__Firmicutes
31	0.819194625	-0.546186915	0.004223935	0.035839851	k__Bacteria	p__Bacteroidetes
32	0.822993758	0.126701148	0.002247646	0.027821466	k__Bacteria	p__Proteobacteria
33	0.845797246	0.307522284	0.007271739	0.048557996	k__Bacteria	p__Firmicutes
34	0.860081591	1.423941487	0.006067344	0.044625753	k__Bacteria	p__Proteobacteria
35	0.863313862	-0.945200619	0.004611625	0.038661687	k__Bacteria	p__Firmicutes
36	0.865660594	0.424733126	0.00109864	0.017155684	k__Bacteria	p__Firmicutes
37	0.87174205	0.079039178	0.004767905	0.038924276	k__Bacteria	p__Bacteroidetes
38	0.881881392	0.1855195	0.003178178	0.032477204	k__Bacteria	p__Firmicutes
39	0.903234763	1.583168679	0.004836844	0.038963465	k__Bacteria	p__Proteobacteria
40	0.927614154	-0.801980873	0.002169822	0.027529612	k__Bacteria	p__Firmicutes
41	0.929460478	-0.267612441	0.000618723	0.01121436	k__Bacteria	p__Firmicutes
42	0.950217594	-0.16102176	0.000685979	0.012004631	k__Bacteria	p__Bacteroidetes
43	0.970246654	0.202412631	8.91224E-06	0.000537823	k__Bacteria	p__Firmicutes
44	0.975789784	0.733103803	0.005696741	0.043475127	k__Bacteria	p__Firmicutes
45	0.984804148	1.317857936	0.003398163	0.03381505	k__Bacteria	p__Firmicutes
46	0.988865933	0.286541095	0.003124399	0.032477204	k__Bacteria	p__Bacteroidetes
47	1.002483641	-0.432100145	0.000543545	0.010030882	k__Bacteria	p__Firmicutes
48	1.019049538	1.132133901	0.001964785	0.026240222	k__Bacteria	p__Bacteroidetes
49	1.025288205	0.917264711	0.00127787	0.019643251	k__Bacteria	p__Firmicutes
50	1.030313196	0.479331881	0.001423727	0.020558735	k__Bacteria	p__Bacteroidetes
51	1.051730053	1.2436016	0.000274977	0.006202265	k__Bacteria	p__Firmicutes
52	1.057409173	0.221175846	0.00315485	0.032477204	k__Bacteria	p__Firmicutes
53	1.109861079	-0.206459916	0.006199594	0.045270414	k__Bacteria	p__Bacteroidetes

1						
2	1.11152104	-0.234179458	0.001307232	0.019643251	k__Bacteria	p__Bacteroidetes
3	1.117234724	-0.644656609	0.000261669	0.006036239	k__Bacteria	p__Firmicutes
4	1.124020253	0.472669429	0.00512291	0.040942943	k__Bacteria	p__Bacteroidetes
5	1.133783942	1.790546594	0.004044333	0.035337287	k__Bacteria	p__Bacteroidetes
6	1.150732069	-0.820318326	0.001058464	0.016786583	k__Bacteria	p__Bacteroidetes
7	1.162936206	-1.639826657	0.006029854	0.044625753	k__Bacteria	p__Bacteroidetes
8	1.169453023	0.197035691	0.005449477	0.042223049	k__Bacteria	p__Bacteroidetes
9	1.171769976	1.437010341	0.00311362	0.032477204	k__Bacteria	p__Proteobacteria
10	1.205725683	0.838027056	0.007226293	0.048557996	k__Bacteria	p__Firmicutes
11	1.234881305	-0.039638155	0.000285621	0.006302287	k__Bacteria	p__Bacteroidetes
12	1.25023278	0.778044931	0.004172857	0.035839851	k__Bacteria	p__Firmicutes
13	1.258528268	-0.481860716	0.000394949	0.008529224	k__Bacteria	p__Firmicutes
14	1.259670675	1.336142177	0.004721735	0.038924276	k__Bacteria	p__Bacteroidetes
15	1.283946803	2.133429557	0.007254887	0.048557996	k__Bacteria	p__Firmicutes
16	1.310766235	-1.995047214	0.004029178	0.035337287	k__Bacteria	p__Firmicutes
17	1.331837288	0.706792023	0.003918798	0.035199825	k__Bacteria	p__Firmicutes
18	1.340556973	1.711653796	0.002868783	0.03199797	k__Bacteria	p__Firmicutes
19	1.379154965	1.557168069	0.00464702	0.038661687	k__Bacteria	p__Firmicutes
20	1.395883418	-0.561190161	2.30174E-05	0.000973445	k__Bacteria	p__Firmicutes
21	1.408433941	0.134322345	0.001949185	0.026240222	k__Bacteria	p__Firmicutes
22	1.416142384	0.81388985	0.00076815	0.013214775	k__Bacteria	p__Firmicutes
23	1.418172223	0.150165922	0.003526081	0.034442606	k__Bacteria	p__Bacteroidetes
24	1.43277603	-2.211707847	0.002989174	0.032276715	k__Bacteria	p__Proteobacteria
25	1.449493728	-0.649129431	0.001861028	0.025875941	k__Bacteria	p__Bacteroidetes
26	1.457068685	0.6590572	0.002082863	0.026859716	k__Bacteria	p__Firmicutes
27	1.458117651	-0.200593833	4.82625E-06	0.000349903	k__Bacteria	p__Bacteroidetes
28	1.463441183	0.550102812	5.9139E-06	0.000400174	k__Bacteria	p__Bacteroidetes
29	1.493654981	0.399240646	0.000248355	0.006001908	k__Bacteria	p__Bacteroidetes
30	1.531847032	0.8582953	0.000119069	0.003554568	k__Bacteria	p__Firmicutes
31	1.552728399	1.772895104	0.001316001	0.019643251	k__Bacteria	p__Firmicutes
32	1.565350999	-0.028158203	0.003209611	0.032477204	k__Bacteria	p__Firmicutes
33	1.592774441	1.645430706	0.001427602	0.020558735	k__Bacteria	p__Bacteroidetes
34	1.613309922	1.052822426	0.002090559	0.026859716	k__Bacteria	p__Bacteroidetes
35	1.649296062	1.258303009	0.000258773	0.006036239	k__Bacteria	p__Bacteroidetes
36	1.718881944	0.774630631	0.002082374	0.026859716	k__Bacteria	p__Proteobacteria
37	1.77606733	-1.25382027	0.000496463	0.009507737	k__Bacteria	p__Fusobacteria
38	1.777043855	1.547377384	8.56189E-05	0.002769057	k__Bacteria	p__Proteobacteria
39	1.78134091	-1.595424222	0.00022134	0.005760517	k__Bacteria	p__Firmicutes
40	1.889511842	1.955819728	0.003835273	0.035070289	k__Bacteria	p__Firmicutes
41	1.914222353	0.025484921	0.000483052	0.009428794	k__Bacteria	p__Bacteroidetes
42	1.915119469	-0.486338915	0.000420184	0.008885151	k__Bacteria	p__Firmicutes
43	1.926807137	1.80422352	0.003529095	0.034442606	Unassigned	NA
44	1.968862331	0.2370881	0.00010881	0.00334673	k__Bacteria	p__Firmicutes
45	2.008867879	0.632023414	9.88584E-08	2.50853E-05	k__Bacteria	p__Bacteroidetes
46	2.016413292	0.384062963	7.14663E-05	0.002417944	k__Bacteria	p__Bacteroidetes
47	2.161300692	-2.360415284	9.44079E-06	0.000537823	k__Bacteria	p__Proteobacteria
48	2.207877424	-0.348393553	0.002925321	0.032273919	k__Bacteria	p__Firmicutes
49	2.212030968	-1.130540234	0.002406205	0.02942528	k__Bacteria	p__Bacteroidetes
50	2.397053871	-2.450321119	0.000641594	0.011424868	k__Bacteria	p__Proteobacteria
51	2.473541581	0.41779751	1.65653E-07	0.000028023	k__Bacteria	p__Bacteroidetes
52	2.523075283	0.817392383	4.21674E-08	1.42666E-05	k__Bacteria	p__Firmicutes
53	2.638119712	1.243886081	1.31088E-06	0.000166317	k__Bacteria	p__Bacteroidetes

Class	Order	Family	Genus
c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Spirochaetes	o__Spirochaetales	f__Spirochaetaceae	g__Treponema
c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Clostridia	o__Clostridiales	f__	g__
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Ruminococcus
c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Bacteroidia	o__Bacteroidales	f__S24-7	g__
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__Coprococcus
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	NA
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Ruminococcus
c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
c__Clostridia	o__Clostridiales	f__Christensenellaceae	g__
c__Clostridia	o__Clostridiales	f__	g__
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__Blautia
c__Clostridia	o__Clostridiales	f__Christensenellaceae	g__
c__Bacilli	o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus
c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Clostridia	o__Clostridiales	f__	g__
c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__[Ruminococcus]
c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
c__Coriobacteriia	o__Coriobacteriales	f__Coriobacteriaceae	g__
c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
c__Clostridia	o__Clostridiales	f__	g__
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__Blautia
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
c__Clostridia	o__Clostridiales	f__	g__
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Oscillospira
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__Roseburia
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
c__Clostridia	o__Clostridiales	f__	g__
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Ruminococcus
c__Coriobacteriia	o__Coriobacteriales	f__Coriobacteriaceae	g__
c__Clostridia	o__Clostridiales	f__	g__
c__Bacteroidia	o__Bacteroidales	f__S24-7	g__
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Ruminococcus

1				
2	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
3	c__Bacilli	o__Lactobacillales	f__Streptococcaceae	g__Streptococcus
4	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__Roseburia
5	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
6	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
7	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Oscillospira
8	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
9	c__Clostridia	o__Clostridiales	f__[Paraprevotellaceae]	g__CF231
10	c__Bacteroidia	o__Bacteroidales	f__Ruminococcaceae	g__Oscillospira
11	c__Clostridia	o__Clostridiales	f__Prevotellaceae	g__Prevotella
12	c__Bacteroidia	o__Bacteroidales	f__Ruminococcaceae	g__
13	c__Clostridia	o__Clostridiales	f__S24-7	g__
14	c__Bacteroidia	o__Bacteroidales	f__Ruminococcaceae	g__
15	c__Clostridia	o__Clostridiales	f__Christensenellaceae	g__
16	c__Clostridia	o__Clostridiales	f__	g__
17	c__Clostridia	o__Clostridiales	f__	g__
18	c__Clostridia	o__Clostridiales	f__	g__
19	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__Coprococcus
20	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
21	c__Clostridia	o__Clostridiales	f__	g__
22	c__Clostridia	o__Clostridiales	f__[Mogibacteriaceae]	g__
23	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Oscillospira
24	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Ruminococcus
25	c__Clostridia	o__Bacteroidales	f__Porphyromonadaceae	g__Parabacteroides
26	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
27	c__Bacteroidia	o__Bacteroidales	f__Lachnospiraceae	g__
28	c__Clostridia	o__Clostridiales	f__[Mogibacteriaceae]	g__
29	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
30	c__Clostridia	o__Clostridiales	f__[Mogibacteriaceae]	g__
31	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
32	c__Clostridia	o__Clostridiales	f__[Mogibacteriaceae]	g__
33	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
34	c__Clostridia	o__Clostridiales	f__S24-7	g__
35	c__Bacteroidia	o__Bacteroidales	f__Alcaligenaceae	g__Sutterella
36	c__Betaproteobacteria	o__Burkholderiales	f__	g__
37	c__Clostridia	o__Clostridiales	f__	g__
38	c__Clostridia	o__Clostridiales	f__Pasteurellaceae	g__Actinobacillus
39	c__Gammaproteobacteria	o__Pasteurellales	f__Ruminococcaceae	g__Oscillospira
40	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
41	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
42	c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]
43	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
44	c__Clostridia	o__Clostridiales	f__Pasteurellaceae	g__Actinobacillus
45	c__Gammaproteobacteria	o__Pasteurellales	f__	g__
46	c__Clostridia	o__Clostridiales	f__	g__
47	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
48	c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]
49	c__Clostridia	o__Clostridiales	f__Peptococcaceae	g__rc4-4
50	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
51	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
52	c__Clostridia	o__Clostridiales	f__[Paraprevotellaceae]	g__YRC22
53	c__Bacteroidia	o__Bacteroidales	f__Lachnospiraceae	g__
54	c__Clostridia	o__Clostridiales	f__[Paraprevotellaceae]	g__
55	c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]	g__
56	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	NA
57	c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]
58	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Faecalibacterium
59	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
60	c__Bacteroidia	o__Bacteroidales	f__S24-7	g__

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2	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae	g__Bacteroides
3	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__Coprococcus
4	c__Bacteroidia	o__Bacteroidales	f__Porphyromonadaceae	g__Parabacteroides
5	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
6	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
7	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae	g__Bacteroides
8	c__Bacteroidia	o__Bacteroidales	f__S24-7	g__
9	c__Gammaproteobacteria	o__Pasteurellales	f__Pasteurellaceae	g__Actinobacillus
10	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
11	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
12	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
13	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
14	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
15	c__Bacteroidia	o__Bacteroidales	f__	g__
16	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
17	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__Coprococcus
18	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
19	c__Clostridia	o__Clostridiales	f__	g__
20	c__Clostridia	o__Clostridiales	f__	g__
21	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
22	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Oscillospira
23	c__Clostridia	o__Clostridiales	f__[Mogibacteriaceae]	g__Anaerovorax
24	c__Bacteroidia	o__Bacteroidales	f__S24-7	g__
25	c__Epsilonproteobacteria	o__Campylobacterales	f__Helicobacteraceae	g__Helicobacter
26	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae	g__Bacteroides
27	c__Clostridia	o__Clostridiales	f__	g__
28	c__Bacteroidia	o__Bacteroidales	f__Porphyromonadaceae	g__Parabacteroides
29	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae	g__Bacteroides
30	c__Bacteroidia	o__Bacteroidales	f__Porphyromonadaceae	g__Parabacteroides
31	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
32	c__Clostridia	o__Clostridiales	f__	g__
33	c__Clostridia	o__Clostridiales	f__	g__
34	c__Bacteroidia	o__Bacteroidales	f__Porphyromonadaceae	g__Parabacteroides
35	c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]
36	c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]
37	c__Gammaproteobacteria	o__Enterobacteriales	f__Enterobacteriaceae	g__
38	c__Fusobacteriia	o__Fusobacteriales	f__Fusobacteriaceae	g__Fusobacterium
39	c__Alphaproteobacteria	o__	f__	g__
40	c__Clostridia	o__Clostridiales	f__	g__
41	c__Clostridia	o__Clostridiales	f__Veillonellaceae	g__Anaerovibrio
42	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae	g__Bacteroides
43	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
44	NA	NA	NA	NA
45	c__Clostridia	o__Clostridiales	f__	g__
46	c__Bacteroidia	o__Bacteroidales	f__S24-7	g__
47	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae	g__Bacteroides
48	c__Epsilonproteobacteria	o__Campylobacterales	f__Helicobacteraceae	g__
49	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
50	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae	g__Bacteroides
51	c__Epsilonproteobacteria	o__Campylobacterales	f__Helicobacteraceae	g__
52	c__Bacteroidia	o__Bacteroidales	f__	g__
53	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__Dorea
54	c__Bacteroidia	o__Bacteroidales	f__S24-7	g__

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4	Species
5	s__
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9	s__copri
10	s__
11	s__
12	s__
13	s__
14	s__
15	s__
16	s__
17	NA
18	s__
19	s__
20	s__
21	s__
22	s__
23	s__
24	s__
25	s__
26	s__
27	s__mucosae
28	s__stercorea
29	s__
30	s__
31	s__copri
32	s__
33	s__
34	s__copri
35	s__
36	s__
37	s__
38	s__
39	s__
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43	s__
44	s__
45	s__
46	s__
47	s__
48	s__
49	s__
50	s__
51	s__
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53	NA
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57	s__
58	s__
59	s__
60	s__flavefaciens

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37 s__
38 s__
39 s__porcinus
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45 s__
46 s__
47 s__
48 s__
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51 s__
52 s__
53 s__
54 s__
55 s__
56 NA
57 s__
58 s__prausnitzii
59 s__
60 s__

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Table S7: Differentially abundant OTUs when comparing the experimental groups at T1.

OTU	+samples in group 0	+samples in group 1	counts in group 0
New.CleanUp.ReferenceOTU63327	13	6	97
355697	36	11	7288
New.ReferenceOTU105	10	7	179
581474	45	18	2632
46910	40	8	1091
179806	33	7	1100
1654477	9	8	299
74192	13	12	145
New.ReferenceOTU7331	17	16	395
4306043	2	12	2
296406	9	1	4079
47477	14	0	179
New.ReferenceOTU5018	11	1	274
354461	25	0	129
516159	42	20	2127
532232	28	2	230
New.ReferenceOTU3115	24	0	197
New.CleanUp.ReferenceOTU8158	25	13	2793
509416	33	1	256
New.ReferenceOTU741	19	16	556
471412	4	7	33
553352	44	8	404
531052	32	7	1225
875643	33	10	1337
579431	27	6	1510
1038455	8	6	81
198552	25	1	547
753891	31	8	1797
355246	10	18	197
318997	9	1	141
347085	13	3	264
533277	19	0	124
470382	31	3	365
551902	32	7	664
346606	23	2	291
New.ReferenceOTU8856	31	1	567
279534	25	18	257
549756	34	3	164
New.ReferenceOTU9226	25	1	175
New.ReferenceOTU6457	21	19	104
New.ReferenceOTU3384	18	0	305
337057	25	4	243
350666	22	16	109
335846	15	10	250
315271	29	8	928
527413	14	13	33
New.ReferenceOTU5866	33	18	305
703741	47	24	6952
New.ReferenceOTU1242	38	24	2885

1		99414	16	2	484
2		335884	18	5	178
3		515953	44	20	5024
4		355175	13	10	121
5		364736	24	3	155
6		352943	11	6	177
7		305187	36	17	1764
8	New.ReferenceOTU3914		15	1	224
9		369429	33	6	241
10	New.ReferenceOTU2159		11	2	54
11		870421	39	20	2121
12		309745	11	8	287
13	New.ReferenceOTU1474		13	4	63
14		425675	15	0	113
15		366584	45	22	4033
16		366716	23	2	90
17		588197	47	24	3622
18		327017	16	2	102
19		1110135	17	13	185
20		804526	33	15	597
21		819181	43	24	4895
22	New.ReferenceOTU1467		10	1	28
23	New.ReferenceOTU6787		11	7	50
24		72926	45	24	1567
25		306124	9	8	22
26		366986	26	4	214
27		356245	29	12	627
28		276561	7	16	45
29		288265	28	16	1358
30	New.ReferenceOTU6967		13	6	59
31	New.CleanUp.ReferenceOTU27900		8	4	37
32	New.ReferenceOTU5504		16	10	92
33		727140	17	1	125
34		584083	36	15	1087
35	New.ReferenceOTU10703		12	7	60
36		172163	36	19	357
37		288250	43	20	2440
38		361727	18	2	104
39	New.ReferenceOTU4309		40	15	814
40		368490	29	14	336
41	New.ReferenceOTU5775		12	2	51
42	New.ReferenceOTU5967		8	6	73
43		532771	34	10	1162
44	New.ReferenceOTU6615		45	24	1489
45		343709	37	10	799
46		759751	34	13	658
47		40798	36	24	651
48		355187	14	8	132
49		519882	18	1	132
50	New.ReferenceOTU890		24	5	200
51		510286	11	9	29
52		370361	24	5	113

1				
2		517344	47	24
3		1107057	24	3
4		302158	45	24
5	New.ReferenceOTU11247		13	7
6		697548	10	2
7		577406	28	3
8	New.ReferenceOTU471		15	1
9	New.ReferenceOTU10379		37	21
10		337379	44	17
11		584263	28	4
12	New.ReferenceOTU7356		16	14
13		536754	22	2
14		531436	25	5
15		589852	44	22
16	New.CleanUp.ReferenceOTU68137		7	6
17		843459	33	9
18		313423	12	3
19		249776	11	9
20	New.ReferenceOTU3592		19	2
21		302144	15	3
22		580090	33	5
23	New.ReferenceOTU6315		12	11
24		290804	40	15
25	New.ReferenceOTU2729		8	6
26	New.ReferenceOTU4568		32	16
27		337784	28	6
28		366623	25	4
29		523751	18	9
30		524117	21	5
31		296094	38	20
32	New.ReferenceOTU3298		19	8
33	New.ReferenceOTU11302		11	5
34	New.ReferenceOTU1706		14	2
35	New.ReferenceOTU3326		10	15
36		345730	16	2
37	New.ReferenceOTU5058		10	4
38		807795	36	14
39		519763	18	18
40		359779	12	7
41	New.ReferenceOTU2439		9	5
42	New.ReferenceOTU9945		33	17
43	New.ReferenceOTU9381		7	3
44		347189	11	8
45	New.ReferenceOTU7952		26	3
46	New.ReferenceOTU8097		11	9
47		4315785	26	7
48		147100	17	4
49		683621	46	24
50		530928	20	6
51		370183	34	12
52		976470	23	10
53		367813	11	2
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1		362342	40	19	468
2		163857	15	1	25
3		91359	16	6	61
4			9	4	21
5	New.ReferenceOTU1755		26	7	97
6		300355	27	13	105
7	New.ReferenceOTU4443		21	4	88
8		216111	16	13	47
9	New.ReferenceOTU1359		12	11	53
10	New.ReferenceOTU6786		24	17	123
11		309433	14	3	59
12		529873	14	3	59
13		302975	33	7	91
14		42636	18	1	64
15		588216	9	10	22
16			13	13	33
17	New.ReferenceOTU2215		14	11	34
18	New.ReferenceOTU10211		14	14	43
19		333028	13	2	32
20	New.ReferenceOTU121		19	3	55
21	New.ReferenceOTU3992		9	10	30
22	New.ReferenceOTU10389		10	8	16
23	New.ReferenceOTU862		8	3	25
24		294053	26	18	49
25	New.ReferenceOTU4403		14	6	28
26		250784	17	9	35
27	New.ReferenceOTU2527		21	6	55
28	New.ReferenceOTU10738		19	13	47
29		195465	40	20	242
30	New.ReferenceOTU1040		22	17	46
31		351659	26	6	50
32	New.ReferenceOTU7023		25	9	52
33	New.ReferenceOTU7944		33	16	71
34	New.ReferenceOTU10710		23	8	51
35		189083	18	9	45
36	New.CleanUp.ReferenceOTU140068				
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counts in group 1	oddsRatio	lower	upper	fisherP	fisherAdjP
604	1.144855281	0.333366374	4.320932941	1	1
802	3.78589901	1.195734382	12.56487402	0.016144643	0.177591071
385	0.660396559	0.187521392	2.418485348	0.55926239	0.951332062
62	7.261410408	1.161500304	79.93873303	0.015273871	0.17355146
23	10.91959577	3.109670796	43.48187533	2.50E-05	0.001990173
49	5.56788274	1.736456437	19.764154	0.002041379	0.055547002
94	0.479040786	0.135015218	1.705760694	0.241925579	0.689121346
644	0.38794242	0.121774842	1.206045078	0.072372137	0.389754113
2737	0.288721167	0.087002209	0.891114873	0.023061076	0.211364178
133	0.047070017	0.00454352	0.251630164	1.26E-05	0.001866972
1	5.349713212	0.664301917	248.6714589	0.148048002	0.548679693
0	Inf	2.112523356	Inf	0.001600041	0.052122961
1	6.886123482	0.88980715	314.9390992	0.048808799	0.313467689
0	Inf	5.765405504	Inf	2.39E-06	0.000509214
312	1.667113939	0.297228328	8.706725657	0.475105879	0.913777868
2	15.59175857	3.227420263	152.2701792	2.96E-05	0.002184718
0	Inf	5.302483193	Inf	3.33E-06	0.000573434
1459	0.962054956	0.317882335	2.879164725	1	1
5	51.06328872	6.996724507	2267.622741	4.19E-08	4.33E-05
1084	0.344671988	0.104825341	1.057090469	0.046614978	0.301249298
52	0.231395355	0.04373674	1.046616207	0.036157785	0.283235986
8	27.25010479	6.020708671	180.1428818	1.42E-07	7.34E-05
37	5.050410966	1.585418554	17.77275376	0.002504368	0.058852638
72	3.24034899	1.05388229	10.43194339	0.023916449	0.211364178
44	3.968973989	1.228663079	14.54543173	0.012295252	0.145545777
304	0.619789817	0.160064851	2.509866438	0.530822665	0.951332062
2	25.15780236	3.50641527	1112.114464	2.35E-05	0.001990173
217	3.79619526	1.224417229	12.6817161	0.012100318	0.145545777
473	0.094087108	0.023605618	0.324799919	2.16E-05	0.001990173
1	5.349713212	0.664301917	248.6714589	0.148048002	0.548679693
4	2.642874181	0.62060939	16.15182908	0.230350677	0.672832203
0	Inf	3.444542971	Inf	0.000117987	0.007180712
6	13.02495767	3.204125742	78.39038316	1.70E-05	0.001990173
39	5.050410966	1.585418554	17.77275376	0.002504368	0.058852638
20	10.23611516	2.119717567	99.67197356	0.000599332	0.028168584
49	42.27787557	5.840564286	1872.753654	4.64E-07	0.00015997
490	0.38391423	0.105267487	1.241835126	0.122636047	0.513383288
4	17.41890711	4.214398355	106.7292706	2.46E-06	0.000509214
1	25.15780236	3.50641527	1112.114464	2.35E-05	0.001990173
173	0.217297514	0.054006151	0.734355541	0.006249981	0.102579058
0	Inf	3.143943492	Inf	0.00028221	0.015358166
18	5.545779592	1.533519828	25.765084	0.004528441	0.088347312
191	0.445154571	0.136420399	1.360280161	0.136417077	0.520499106
325	0.660279858	0.212200727	2.074532516	0.441731044	0.891839929
75	3.167088185	1.029854406	10.46035091	0.027292324	0.231313632
141	0.364569007	0.114895063	1.119298752	0.069793937	0.387994251
470	0.788343906	0.210446868	2.673410988	0.783959323	1
898	0	0	Inf	1	1
3709	0	0	0.899571925	0.023802469	0.211364178

1						
2	3	5.560751645	1.122460883	54.73975706	0.021737497	0.211364178
3	16	2.331480841	0.678231383	9.424488543	0.183187719	0.628179598
4	1740	2.884656934	0.443128977	21.57112902	0.216417054	0.642971655
5	201	0.540230386	0.169601807	1.723534398	0.28729875	0.751398264
6	5	7.111900392	1.768783147	42.23767363	0.001764317	0.052122961
7	407	0.917800794	0.258464484	3.53494286	1	1
8	231	1.341757481	0.371512268	4.619123586	0.773675281	1
9	3	10.5189743	1.420473943	472.1300177	0.007463818	0.113493941
10	15	6.852073635	2.071176146	25.89768294	0.000395036	0.020423353
11	8	3.312075361	0.632032848	33.52672828	0.194720237	0.630354866
12	223	0.975345292	0.19118716	4.200455423	1	1
13	150	0.615512256	0.182695357	2.123825103	0.405399023	0.891051008
14	9	1.895350484	0.493528205	9.081192758	0.386241948	0.873904102
15	0	Inf	2.347711936	Inf	0.00135939	0.04846928
16	408	2.023370953	0.138180349	29.63935381	0.599479228	0.951332062
17	5	10.23611516	2.119717567	99.67197356	0.000599332	0.028168584
18	538	0	0	Inf	1	1
19	4	5.560751645	1.122460883	54.73975706	0.021737497	0.211364178
20	418	0.484645309	0.156691604	1.462272921	0.204677519	0.630354866
21	46	1.407190297	0.43435552	4.460601335	0.595082454	0.951332062
22	3343	0	0	2.943871142	0.292413303	0.751398264
23	1	6.097671651	0.77410283	280.9157538	0.084691784	0.414408213
24	82	0.745291168	0.216491285	2.691701155	0.773675281	1
25	2474	0	0	10.48090994	0.546076459	0.951332062
26	510	0.479040786	0.135015218	1.705760694	0.241925579	0.689121346
27	18	6.032813219	1.667701392	28.05369232	0.002208656	0.05600413
28	48	1.600071349	0.530177954	4.875352303	0.447402492	0.891839929
29	192	0.091578482	0.022998088	0.321577448	2.50E-05	0.001990173
30	123	0.739990143	0.226137593	2.289809382	0.613719227	0.951332062
31	16	1.144855281	0.333366374	4.320932941	1	1
32	6	1.025277927	0.238069423	5.230476777	1	1
33	306	0.725972037	0.235389773	2.26795459	0.606095265	0.951332062
34	10	12.68808162	1.735018355	566.3096589	0.003333777	0.071815118
35	161	1.944053554	0.582263943	6.458556302	0.267650079	0.734085364
36	8	0.834844216	0.247066396	2.981018016	0.781558871	1
37	330	0.8630473	0.204131973	3.20446748	1	1
38	476	2.125096817	0.357322959	12.67566905	0.429627688	0.891839929
39	4	6.67116052	1.362391801	65.42612667	0.010953586	0.145545777
40	77	3.362244268	0.928032746	12.80624344	0.039726114	0.287250361
41	240	1.14850271	0.370701282	3.494378554	0.802530857	1
42	5	3.7116613	0.719578615	37.31950607	0.118126723	0.507544578
43	59	0.619789817	0.160064851	2.509866438	0.530822665	0.951332062
44	38	3.588202446	1.157391337	11.69564689	0.019310906	0.205850274
45	349	0	0	10.48090994	0.546076459	0.951332062
46	97	5.041792021	1.566946323	17.32881208	0.003148762	0.071815118
47	100	2.186987145	0.69666434	6.948064634	0.184548648	0.628179598
48	822	0	0	0.675520212	0.01204855	0.145545777
49	43	0.850478861	0.264531761	2.849178114	0.790872624	1
50	2	13.88148181	1.907319636	618.2263909	0.001692164	0.052122961
51	8	3.889744667	1.151091084	15.6156785	0.021063673	0.211364178
52	92	0.514389122	0.154833364	1.717434185	0.267650079	0.734085364
53	8	3.889744667	1.151091084	15.6156785	0.021063673	0.211364178

3328	0	0	Inf	1	1
8	7.111900392	1.768783147	42.23767363	0.001764317	0.052122961
2223	0	0	10.48090994	0.546076459	0.951332062
104	0.929547371	0.27934091	3.287932547	1	1
17	2.933567267	0.549008834	29.97663782	0.20190488	0.630354866
7	9.97519782	2.475270753	59.52162293	0.000140882	0.008092905
1	10.5189743	1.420473943	472.1300177	0.007463818	0.113493941
278	0.53300358	0.084881706	2.389456171	0.520775475	0.951332062
174	5.865161926	1.173574266	39.25854389	0.025227726	0.218955641
26	7.155995944	1.973152807	33.40465097	0.000862658	0.035679547
101	0.374169384	0.118326988	1.135987291	0.075064355	0.393992605
2	9.413210345	1.946326879	91.70498159	0.00123269	0.047207474
13	4.230082221	1.252165669	16.99515728	0.011408501	0.145545777
1752	1.327692277	0.103783594	12.49417369	1	1
14	0.530086159	0.130624917	2.202633123	0.340404492	0.782173878
22	3.845948084	1.242020347	12.66044286	0.011053285	0.145545777
18	2.373074083	0.549584719	14.60999829	0.237587332	0.682403614
81	0.514389122	0.154833364	1.717434185	0.267650079	0.734085364
6	7.284131131	1.494028351	71.36785971	0.005654718	0.097449635
5	3.232148847	0.775078512	19.5291065	0.090540948	0.417943482
16	8.642811941	2.496650495	35.84128286	0.000118058	0.007180712
38	0.410757466	0.12733923	1.302584125	0.109912463	0.487766038
53	3.362244268	0.928032746	12.80624344	0.039726114	0.287250361
19	0.619789817	0.160064851	2.509866438	0.530822665	0.951332062
147	1.065693103	0.320250574	3.389902401	1	1
13	4.325593825	1.336717009	15.89862287	0.006705046	0.106661811
8	5.545779592	1.533519828	25.765084	0.004528441	0.088347312
93	1.033997614	0.337215296	3.280757265	1	1
8	3.022679899	0.890008645	12.14017895	0.068596684	0.387994251
191	0.846438159	0.16898642	3.5227661	1	1
17	1.351369353	0.436717575	4.422086518	0.613719227	0.951332062
23	1.158685046	0.312064331	4.898791624	1	1
3	4.58159286	0.909651637	45.49543009	0.069178434	0.387994251
78	0.167192758	0.047690245	0.541610758	0.00127879	0.047223875
4	5.560751645	1.122460883	54.73975706	0.021737497	0.211364178
4	1.345805052	0.332168591	6.643659582	0.759396239	1
34	2.307903234	0.707584909	7.604958154	0.168527657	0.596772593
153	0.211816289	0.057421343	0.687195646	0.005381047	0.094305123
62	0.834844216	0.247066396	2.981018016	0.781558871	1
10	0.901353355	0.230954763	3.920427841	1	1
139	0.970991687	0.276676794	3.190480899	1	1
3	1.221565215	0.246056164	8.074815784	1	1
34	0.615512256	0.182695357	2.123825103	0.405399023	0.891051008
4	8.411338346	2.092236037	50.03647838	0.000714782	0.030795196
43	0.514389122	0.154833364	1.717434185	0.267650079	0.734085364
14	2.959773512	0.947172888	10.13787549	0.046259261	0.301249298
9	2.794727866	0.755297467	13.11001364	0.106115906	0.477060202
1446	0	0	76.28515635	1	1
28	2.197995298	0.675731344	8.036452409	0.19553661	0.630354866
67	2.577702125	0.829156404	8.211876774	0.072372137	0.389754113
21	1.336118109	0.446324743	4.109790325	0.621021757	0.951332062
11	3.312075361	0.632032848	33.52672828	0.194720237	0.630354866

1						
2	111	1.494823625	0.328829161	6.327789724	0.523584117	0.951332062
3	2	10.5189743	1.420473943	472.1300177	0.007463818	0.113493941
4	10	1.539110546	0.46267187	5.698441703	0.588874591	0.951332062
5	9	1.181421217	0.283867839	5.917635271	1	1
6	20	2.959773512	0.947172888	10.13787549	0.046259261	0.301249298
7	112	1.140159106	0.375962391	3.430996784	0.805803074	1
8	17	3.963498066	1.090240513	18.42432019	0.034194736	0.278404386
9	53	0.442079692	0.141933046	1.34016658	0.12910392	0.515418737
10	24	0.410757466	0.12733923	1.302584125	0.109912463	0.487766038
11	140	0.434777588	0.127337398	1.35960029	0.13328804	0.518272242
12	4	2.929106162	0.695656865	17.78769789	0.145170727	0.545841933
13	12	5.56788274	1.736456437	19.764154	0.002041379	0.055547002
14	4	13.88148181	1.907319636	618.2263909	0.001692164	0.052122961
15	57	0.337326445	0.09720896	1.136578816	0.052269653	0.321707267
16	60	0.329165283	0.102455215	1.019139904	0.038334385	0.287250361
17	55	0.506496367	0.1614522	1.576804036	0.199599633	0.630354866
18	55	0.308608734	0.095859416	0.948872573	0.023916449	0.211364178
19	2	4.134153346	0.811984766	41.28997337	0.071406088	0.389754113
20	5	4.656197525	1.144722553	27.77122162	0.028326101	0.238123484
21	25	0.337326445	0.09720896	1.136578816	0.052269653	0.321707267
22	18	0.545486909	0.158217332	1.909026877	0.387260839	0.874296306
23	3	1.428910304	0.300533206	9.242881717	0.739006951	1
24	69	0.417761942	0.114428051	1.354636127	0.127292305	0.515418737
25	14	1.268481931	0.374053972	4.751793218	0.783959323	1
26	14	0.945208878	0.306350999	3.010451002	1	1
27	8	2.393707757	0.738205618	8.739115907	0.127292305	0.515418737
28	55	0.578748014	0.189136382	1.734750987	0.319017252	0.751398264
29	58	1.140670806	0.218457124	5.13848357	1	1
30	55	0.367611434	0.107522179	1.148187478	0.077781986	0.398508982
31	9	3.645145746	1.129736896	13.33278978	0.02276211	0.211364178
32	25	1.876894731	0.622871117	5.924199203	0.315256459	0.751398264
33	44	1.175808177	0.350978409	3.780264407	0.790872624	1
34	11	1.899264679	0.62079283	6.187935454	0.311810558	0.751398264
35	13	1.033997614	0.337215296	3.280757265	1	1
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(Intercept)	ATB_GROUP_T1ORAL_ATB	ATB_GROUP_T1PARENTERAL_ATB	normFactor_T1
1.379311031	5.048919531	1.583134629	1.933513537
6.154375418	-4.127732268	-0.731193361	2.112802276
0.127451001	3.847451065	3.488611392	1.517619142
5.5700163	-3.765477215	-0.700915935	0.19879673
4.215443728	-3.338677779	-0.69536363	-1.214509221
4.281422802	-3.030078083	-1.254183204	-2.525897353
0.36995707	2.945907497	3.228797351	-1.584486382
1.056124573	2.850740298	1.827640208	-0.301182667
1.803102554	2.816199059	0.16971759	2.449522577
0.190516688	2.805048788	-0.148608116	0.354346398
3.339893826	-2.721911773	3.58928342	2.935280819
2.809956022	-2.708151223	-2.165479575	1.117380496
2.80913151	-2.648683902	-1.716657612	0.292066526
2.536554124	-2.535998111	-1.276766813	0.005829322
4.761831364	-2.524795246	-0.931474379	-2.265637947
2.705992438	-2.51426998	-1.181970631	-0.570190406
2.409480115	-2.47235039	0.049839707	-0.670467569
2.919075437	2.415690173	1.319212935	2.204732416
2.768249945	-2.388407088	-0.686889945	0.400231967
2.31033292	2.384448735	1.391819278	1.941723359
0.063174474	2.339490419	2.351860395	0.809436192
2.99522818	-2.3384975	-0.473677938	0.01888771
3.778229298	-2.327674614	0.214685952	1.127973821
4.282493962	-2.299859078	-1.19055417	1.792714382
3.738706311	-2.290946399	-1.295111954	0.76452949
1.160016798	2.285150897	-0.781331457	1.483787552
2.564268595	-2.252551478	0.815860017	1.026860111
4.564692196	-2.212651582	-0.249086938	2.431126488
0.083866235	2.145608679	1.99638849	-2.015658365
2.543633878	-2.140269185	-0.372537376	1.999779475
2.573309571	-2.104109126	-1.041647292	1.491324789
2.066473946	-2.093902071	-1.097258852	-0.289155245
2.668992276	-2.079897011	0.374985472	1.259863959
3.257447901	-2.060223753	-0.394075878	-1.149429208
2.740205891	-2.046013597	-1.163807829	0.403675107
2.884807214	-1.986449893	0.118555824	0.916435153
1.715271416	1.974583359	0.566486849	1.394495048
2.30019532	-1.971613679	-0.361780369	-0.576889666
2.158021774	-1.966285947	-0.868701062	0.829117886
1.01943461	1.903361673	1.18660706	0.338458583
1.998950922	-1.871864587	0.230129692	1.386650869
2.776248512	-1.864687222	-0.623283488	0.258292989
1.286028477	1.858814776	0.649213942	1.323306714
1.458039273	1.855611378	0.272881592	2.7512746
3.781308581	-1.834745831	-1.251335362	0.267221034
0.828022494	1.823550727	0.168455558	0.741903201
1.709010861	1.823168464	0.632322856	2.473478632
6.481751821	-1.799053037	-0.861113619	1.67677128
4.524504335	1.786741005	0.394967668	2.176949178

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2	2.168428277	-1.777353235	0.975776892	0.756422945
3	2.601109892	-1.730597448	-1.553529189	0.204818033
4	6.618676872	-1.730210291	-0.809831344	-0.63791689
5	1.217279627	1.695055442	0.215794806	2.454629601
6	2.213528641	-1.693067781	-0.219790116	0.642591999
7	0.900225436	1.681791671	1.225868282	1.456024968
8	4.132850705	-1.68069954	0.491848343	1.26169502
9				
10	2.030261792	-1.677687686	0.373345378	1.305026938
11	2.511288809	-1.668889388	-0.709694294	-1.066430842
12	2.10972334	-1.668568699	-0.150147898	0.133722161
13	4.641492832	-1.665986286	-0.12015648	2.392663025
14	0.360120929	1.660643467	2.412526445	1.101052992
15	2.275263867	-1.658415397	-0.845202948	0.174669513
16	1.737107525	-1.658280082	0.006067899	0.853959523
17	4.93916752	-1.657483056	0.837322013	-1.180407596
18	1.959688581	-1.641412316	-0.111557338	-0.86359607
19	5.817919339	-1.641028149	-0.583267064	1.296360335
20				
21	2.027508638	-1.610139446	-1.054626837	0.580758631
22	1.362002995	1.609555988	0.566387172	2.845302526
23	3.178622296	-1.600975976	-0.208001155	1.058508551
24	5.128021659	1.588345798	1.355361978	2.125390867
25	1.572637175	-1.58792239	0.250185883	-0.874450113
26	0.812978273	1.582352625	1.065394764	-0.672957325
27	4.43056102	1.579009532	-0.006915782	0.569623204
28	1.741504195	1.578479993	-1.050611073	1.039153742
29				
30	2.48292363	-1.572301467	-0.701661893	1.00514432
31	3.351527329	-1.562072836	-1.255510028	1.606090158
32	1.554142521	1.551380168	1.242953726	-1.43989992
33	4.031703571	-1.539651614	-1.881574106	0.695691205
34	2.567561266	-1.526669856	-1.004347718	1.471127955
35	2.15652782	-1.523541421	0.473905835	0.685042702
36	1.380126311	1.477919802	0.366855016	1.891845571
37	2.061657349	-1.475044514	-0.575914372	1.179620136
38	3.952945299	-1.472011513	-1.08810024	1.464005017
39	2.038730255	-1.471777736	0.384547436	-0.197856744
40	1.777930758	1.470941298	1.461153478	0.412560577
41	5.259323762	-1.456960079	-1.017746598	0.893532235
42	1.85541163	-1.438916053	0.117206529	0.521933298
43	3.474113544	-1.438531705	-0.5426244	0.258874186
44	1.95273746	1.434547568	0.95711884	0.823561755
45	1.86148298	-1.434015591	0.202259022	0.780289155
46	1.577634961	1.430660437	0.179866713	2.519150926
47	3.037570998	-1.426114355	0.46363151	2.183424337
48	5.003372056	-1.420088457	-0.961649675	-0.904799069
49	3.867580299	-1.418400533	-1.347893137	1.770966817
50	3.645340279	-1.401823294	-0.459637002	-0.873539795
51	3.461474529	1.393733525	-0.558080483	1.515924612
52	3.066000437	-1.38586874	-1.255659477	1.298051788
53	1.765977416	-1.383190358	0.004573473	1.771063968
54	2.028997783	-1.380576635	0.28643063	0.022051907
55	0.955942937	1.380301443	-0.35126354	0.544410004
56	1.917876471	-1.364200261	-0.778466349	-0.730970986

1				
2	5.117039015	1.359751261	-0.045424863	0.967190819
3	2.057813704	-1.3580056	-0.72028474	1.156444135
4	4.765926034	1.353275789	1.168126291	0.603555872
5	0.496505787	1.352576858	2.361396821	1.438433759
6	2.298992291	-1.349774707	-1.807223127	2.238659765
7	1.937200285	-1.348169646	0.315903073	0.30762613
8	1.593147956	-1.347179935	0.134913049	1.414176345
9	2.049148154	1.342360985	0.999586549	0.410785081
10	4.151855964	-1.320580463	-0.351747427	1.949667127
11	2.481659113	-1.319901161	0.149802873	0.038220811
12	3.655298615	-1.317566511	-1.572286671	-1.020903496
13	1.539790337	-1.294882603	-0.241631172	0.010142635
14	2.171020697	-1.278396123	-0.638822669	0.189645432
15	6.628059051	-1.260078236	-2.07332272	0.132765532
16	0.377091072	1.256263227	1.414147937	-0.165659127
17	2.391746341	-1.250682892	0.548251143	0.420346232
18	2.278476979	-1.247410084	-0.894085509	1.650668515
19	1.492985627	1.246443434	0.753259262	3.451498119
20	1.755554486	-1.236238975	-0.596888843	0.939869214
21	1.712402437	-1.216081117	-0.147562896	1.112355486
22	2.312946183	-1.214264505	-0.724630624	1.52644923
23	0.626025765	1.208242575	1.058188138	0.464743018
24	2.884752941	-1.196320122	0.127766383	1.181401048
25	0.551122056	1.192230859	0.908770824	-0.984485079
26	1.602449482	1.189670473	0.350309802	0.852046814
27	1.976776187	-1.186061826	-0.57117855	-0.96142227
28	1.789164157	-1.16738715	0.210076587	-0.142987147
29	1.473497904	1.154615209	0.206990713	0.944538018
30	1.84577112	-1.15205711	-0.608633844	0.230701089
31	3.862556976	-1.141416556	0.010069796	1.632780392
32	2.154068582	-1.136276031	-0.605607447	-1.067518443
33	0.763470446	1.125995237	1.205372566	1.867794077
34	1.370497463	-1.123414285	-0.369238902	-0.790296194
35	0.979321457	1.119017818	0.501866532	0.731819642
36	1.629409431	-1.118395324	-0.847477239	1.08145223
37	1.371549757	-1.110044747	1.77778867	-0.542547051
38	2.5312109	-1.103885717	-0.257690787	0.457903366
39	1.470351905	1.093626916	0.227635235	0.149913842
40	1.167616553	1.093304496	1.561411526	-0.340088395
41	1.916181489	-1.087000073	-0.048436559	1.473483177
42	1.66818403	1.073378242	0.92288647	1.248136153
43	1.329817816	-1.069283234	0.18148153	0.002041788
44	0.510585674	1.066642861	0.193473378	1.137271756
45	1.491473222	-1.053864716	0.953165901	0.732812652
46	0.829663018	1.053721676	0.142185377	1.018751621
47	2.07932162	-1.045694905	-0.376894869	1.428044752
48	1.698306547	-1.040879003	-0.656310069	-1.146961408
49	4.345058253	1.032149165	1.226452589	2.070679896
50	2.310696004	-1.030518019	-1.1426287	0.990287536
51	2.958428345	-1.023270364	-0.697648086	-0.60544142
52	2.219667499	-1.017466163	-0.987778878	0.233985458
53	1.796780999	-1.016671649	0.515842184	1.056709828

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2	3.321861055	-1.014671787	-0.388247529	0.383772737
3	1.15393244	-1.011184829	-0.502397139	-0.703859391
4	1.808758612	-1.001950313	-0.889274181	0.405242037
5	1.67956712	-1.000610454	-0.208833125	-1.347619618
6	2.003276644	-0.989625796	-0.554972419	-1.130230049
7	1.463278796	0.987839118	0.430447551	0.772925856
8	1.91909722	-0.974500543	-0.792357017	0.175417449
9	0.88361148	0.967199288	0.778965007	-0.133089903
10	2.171791503	-0.961537128	0.091621317	-0.693457936
11	1.888257485	0.95943339	0.114005082	1.413884528
12	1.369817523	-0.958936579	-0.200422937	0.029662171
13	1.768877533	-0.95176818	-0.274291762	0.346040041
14	1.38392585	-0.935520748	-0.744901562	1.642277655
15	1.127739478	0.90937527	-0.269815227	-1.036642157
16	0.989528333	0.90491183	0.375464632	0.367746697
17	1.110953781	0.903242418	-0.193700602	0.124512281
18	1.031329031	0.892896813	0.793045362	-0.256933862
19	1.124794573	-0.884044691	0.654934546	0.371396058
20	1.266356637	-0.879253293	0.043420688	-1.223337931
21	0.532684041	0.873393415	1.582299146	-0.238536626
22	0.811962822	0.849543355	0.317401952	1.158156138
23	1.311223106	-0.803294511	0.603541224	1.237005289
24	1.229586861	0.782949778	0.081625407	0.199926531
25	0.847978858	0.777575711	0.566343786	1.572325617
26	1.889762929	-0.773545226	-0.770594117	0.375367807
27	1.406603809	-0.759325776	-0.020657976	-0.3594916
28	1.341754282	0.744228661	-0.545255698	0.367008878
29	2.544648843	-0.722848648	0.160396311	0.444360027
30	1.105960607	0.719621717	0.242993641	0.734874635
31	1.472967032	-0.703695752	-0.33234888	0.188225952
32	0.819489769	0.693567936	0.723606512	0.892288653
33	1.180433234	0.659984533	0.389388826	0.764609331
34	1.563047135	-0.657351471	0.017923916	-0.255420326
35	1.567458184	-0.613845443	0.174926667	-0.426766032
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pvalues	adjPvalues	Kingdom	Phylum	Class
3.58E-13	1.85E-10	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
2.38E-08	3.07E-06	k__Bacteria	p__Firmicutes	c__Clostridia
1.10E-06	8.11E-05	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
5.33E-15	5.51E-12	k__Bacteria	p__Firmicutes	c__Bacilli
1.00E-08	1.68E-06	k__Bacteria	p__Firmicutes	c__Clostridia
2.17E-06	0.000131743	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
1.08E-08	1.68E-06	k__Bacteria	p__Fusobacteria	c__Fusobacteriia
2.22E-05	0.000791323	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
0.000777021	0.010170123	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
6.06E-10	2.09E-07	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
0.000725923	0.009623128	k__Bacteria	p__Spirochaetes	c__Spirochaetes
2.48E-07	2.33E-05	k__Bacteria	p__Firmicutes	c__Clostridia
5.09E-05	0.001548178	k__Bacteria	p__Firmicutes	c__Clostridia
7.23E-09	1.68E-06	k__Bacteria	p__Firmicutes	c__Clostridia
5.00E-05	0.001548178	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
1.54E-07	1.77E-05	k__Bacteria	p__Firmicutes	c__Bacilli
1.01E-06	8.02E-05	k__Bacteria	p__Firmicutes	c__Clostridia
0.00478193	0.031900104	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
4.67E-07	4.02E-05	k__Bacteria	p__Firmicutes	c__Clostridia
0.00099454	0.012098287	k__Bacteria	p__Firmicutes	c__Clostridia
7.21E-06	0.000354986	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
1.14E-08	1.68E-06	k__Bacteria	p__Firmicutes	c__Bacilli
0.000227441	0.004437243	k__Bacteria	p__Firmicutes	c__Clostridia
0.000492293	0.007831247	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
0.001367372	0.014882761	k__Bacteria	p__Firmicutes	c__Clostridia
0.000310083	0.005625014	k__Bacteria	p__Spirochaetes	c__Spirochaetes
0.000174512	0.003839264	k__Bacteria	p__Firmicutes	c__Clostridia
0.00054282	0.008134437	k__Bacteria	p__Firmicutes	c__Clostridia
0.000639327	0.008956498	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
5.63E-05	0.001663372	k__Bacteria	p__Firmicutes	c__Clostridia
0.000184354	0.003890255	k__Bacteria	p__Firmicutes	c__Clostridia
7.80E-06	0.000366828	k__Bacteria	p__Firmicutes	c__Bacilli
5.92E-06	0.000306209	k__Bacteria	p__Firmicutes	c__Clostridia
0.000160446	0.003686698	k__Bacteria	p__Firmicutes	c__Clostridia
0.000431509	0.007196458	k__Bacteria	p__Firmicutes	c__Clostridia
0.003456986	0.026675546	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
0.000109747	0.00283696	k__Bacteria	p__Firmicutes	c__Clostridia
2.41E-07	2.33E-05	k__Bacteria	p__Firmicutes	c__Bacilli
8.22E-06	0.000369498	k__Bacteria	p__Firmicutes	c__Clostridia
1.26E-06	8.66E-05	Unassigned	NA	NA
0.000615854	0.008844352	k__Bacteria	p__Proteobacteria	c__Alphaproteobacteria
0.000201265	0.00408055	k__Bacteria	p__Firmicutes	c__Clostridia
1.38E-05	0.00054847	k__Bacteria	p__Firmicutes	c__Clostridia
0.003971427	0.028933245	k__Bacteria	p__Firmicutes	c__Clostridia
0.004061186	0.029161571	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
1.82E-05	0.000673511	k__Bacteria	p__Firmicutes	c__Clostridia
0.000291586	0.00538392	k__Bacteria	p__Firmicutes	c__Clostridia
0.000855131	0.010782999	k__Bacteria	p__Firmicutes	c__Bacilli
0.008804359	0.048944661	k__Bacteria	p__Bacteroidetes	c__Bacteroidia

1					
2	0.005706528	0.037110377	k__Bacteria	p__Firmicutes	c__Clostridia
3	0.000508766	0.007886895	k__Bacteria	p__Firmicutes	c__Clostridia
4	0.00179202	0.01731728	k__Bacteria	p__Firmicutes	c__Clostridia
5	0.001962645	0.018790509	k__Bacteria	p__Firmicutes	c__Clostridia
6	5.09E-05	0.001548178	k__Bacteria	p__Firmicutes	c__Clostridia
7	0.008094499	0.047555184	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
8	0.003239855	0.025572593	k__Bacteria	p__Firmicutes	c__Clostridia
9	0.002211965	0.020079899	k__Bacteria	p__Firmicutes	c__Clostridia
10	1.63E-05	0.000622469	k__Bacteria	p__Firmicutes	c__Clostridia
11	0.000106437	0.002821945	Unassigned	NA	NA
12	0.000339256	0.006048114	k__Bacteria	p__Firmicutes	c__Clostridia
13	0.008309511	0.048240537	k__Bacteria	p__Firmicutes	c__Clostridia
14	3.39E-05	0.001168248	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
15	0.000537333	0.008134437	k__Bacteria	p__Firmicutes	c__Clostridia
16	0.001193918	0.013274312	k__Bacteria	p__Firmicutes	c__Clostridia
17	3.83E-06	0.000208625	k__Bacteria	p__Firmicutes	c__Clostridia
18	0.000173349	0.003839264	k__Bacteria	p__Firmicutes	c__Bacilli
19	0.000129702	0.003193139	k__Bacteria	p__Firmicutes	c__Clostridia
20	0.005082447	0.0336875	k__Bacteria	p__Firmicutes	c__Clostridia
21	0.000414439	0.00702508	k__Bacteria	p__Firmicutes	c__Clostridia
22	0.002356346	0.020079899	k__Bacteria	p__Firmicutes	c__Clostridia
23	1.65E-06	0.000106448	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
24	0.000802784	0.010375989	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
25	0.001050822	0.012447441	k__Bacteria	p__Firmicutes	c__Clostridia
26	0.002403834	0.020079899	k__Bacteria	p__Firmicutes	c__Clostridia
27	0.000679421	0.009366949	k__Bacteria	p__Firmicutes	c__Clostridia
28	0.002287219	0.020079899	k__Bacteria	p__Firmicutes	c__Clostridia
29	0.000707258	0.009537698	k__Bacteria	p__Firmicutes	c__Clostridia
30	0.005759271	0.037219287	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
31	3.53E-05	0.001177544	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
32	9.30E-06	0.000400879	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
33	0.004618867	0.031364707	k__Bacteria	p__Firmicutes	c__Clostridia
34	0.002320492	0.020079899	k__Bacteria	p__Firmicutes	c__Clostridia
35	0.007587001	0.045876954	k__Bacteria	p__Firmicutes	c__Clostridia
36	3.83E-06	0.000208625	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
37	0.000820619	0.010475559	k__Bacteria	p__Firmicutes	c__Clostridia
38	0.005827556	0.037426662	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
39	0.00059226	0.008748525	k__Bacteria	p__Firmicutes	c__Clostridia
40	0.002877003	0.023240787	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
41	0.006566627	0.041655782	k__Bacteria	p__Firmicutes	c__Bacilli
42	7.04E-05	0.002020652	k__Bacteria	p__Firmicutes	c__Clostridia
43	0.002011223	0.01907894	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
44	0.006820449	0.042483999	k__Bacteria	p__Firmicutes	c__Clostridia
45	0.000178278	0.003840401	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
46	0.003706031	0.027568607	k__Bacteria	p__Firmicutes	c__Clostridia
47	0.004641006	0.031364707	k__Bacteria	p__Firmicutes	c__Clostridia
48	0.001413107	0.015220342	k__Bacteria	p__Firmicutes	c__Clostridia
49	0.001310906	0.014419969	k__Bacteria	p__Firmicutes	c__Clostridia
50	0.001743067	0.017235852	k__Bacteria	p__Firmicutes	c__Clostridia
51	0.002408034	0.020079899	k__Bacteria	p__Firmicutes	c__Clostridia
52	0.000613894	0.008844352	k__Bacteria	p__Firmicutes	c__Clostridia
53	0.000133583	0.003212211	k__Bacteria	p__Firmicutes	c__Clostridia

1					
2	0.008573737	0.048240537	k__Bacteria	p__Firmicutes	c__Clostridia
3	0.004558206	0.031364707	k__Bacteria	p__Firmicutes	c__Clostridia
4	0.004281237	0.030529647	k__Bacteria	p__Proteobacteria	c__Epsilonproteobacteria
5	0.007791943	0.046571496	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
6	0.003343021	0.025990103	k__Bacteria	p__Firmicutes	c__Clostridia
7	0.000454282	0.007455998	k__Bacteria	p__Firmicutes	c__Clostridia
8	0.002400944	0.020079899	k__Bacteria	p__Firmicutes	c__Clostridia
9					
10	0.001017494	0.012233595	k__Bacteria	p__Proteobacteria	c__Epsilonproteobacteria
11	0.00858439	0.048240537	k__Bacteria	p__Firmicutes	c__Clostridia
12	0.008792913	0.048944661	k__Bacteria	p__Firmicutes	c__Clostridia
13	0.001478204	0.015596559	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
14	0.000145668	0.003423189	k__Bacteria	p__Firmicutes	c__Bacilli
15	0.000271938	0.005207114	k__Bacteria	p__Firmicutes	c__Clostridia
16	0.001697438	0.017040302	k__Bacteria	p__Firmicutes	c__Clostridia
17	0.000379854	0.006546144	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
18	0.000640987	0.008956498	k__Bacteria	p__Firmicutes	c__Clostridia
19	0.002237556	0.020079899	k__Bacteria	p__Firmicutes	c__Clostridia
20	0.002305251	0.020079899	k__Bacteria	p__Firmicutes	c__Clostridia
21	0.002773175	0.022578451	k__Bacteria	p__Firmicutes	c__Clostridia
22	0.003138996	0.024967088	k__Bacteria	p__Firmicutes	c__Clostridia
23	0.002367143	0.020079899	k__Bacteria	p__Firmicutes	c__Clostridia
24	0.000478686	0.00773377	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
25	0.000352512	0.006177919	k__Bacteria	p__Actinobacteria	c__Coriobacteriia
26	0.001061808	0.012447441	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
27	0.001628077	0.016504235	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
28					
29	7.61E-05	0.002127053	k__Bacteria	p__Firmicutes	c__Clostridia
30	0.000891072	0.011100826	k__Bacteria	p__Firmicutes	c__Clostridia
31	0.003973424	0.028933245	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
32	0.000192442	0.003979701	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
33	0.005524412	0.036383705	k__Bacteria	p__Firmicutes	c__Clostridia
34	0.000212744	0.004230333	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
35	0.001448136	0.01543683	k__Bacteria	p__Firmicutes	c__Clostridia
36	1.32E-05	0.000545143	Unassigned	NA	NA
37	0.007943799	0.047206256	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
38	0.002451196	0.020276291	k__Bacteria	p__Firmicutes	c__Clostridia
39	0.000102101	0.002778224	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
40	0.001130598	0.01284657	k__Bacteria	p__Firmicutes	c__Bacilli
41	0.007664018	0.046073226	k__Bacteria	p__Firmicutes	c__Clostridia
42	0.008505133	0.048240537	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
43	0.001520615	0.015881982	k__Bacteria	p__Firmicutes	c__Clostridia
44	0.00367869	0.027568607	k__Bacteria	p__Proteobacteria	c__Deltaproteobacteria
45	0.001175585	0.013212558	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
46	0.001112193	0.012777858	k__Bacteria	p__Firmicutes	c__Clostridia
47	0.001627994	0.016504235	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
48	0.004015199	0.029032981	k__Bacteria	p__Firmicutes	c__Clostridia
49	0.004579229	0.031364707	k__Bacteria	p__Firmicutes	c__Clostridia
50	0.003095944	0.024815552	k__Bacteria	p__Firmicutes	c__Clostridia
51	0.007573687	0.045876954	k__Bacteria	p__Firmicutes	c__Clostridia
52	0.004685988	0.031463061	k__Bacteria	p__Firmicutes	c__Clostridia
53	0.008483021	0.048240537	k__Bacteria	p__Firmicutes	c__Clostridia
54	0.000710254	0.009537698	k__Bacteria	p__Firmicutes	c__Clostridia
55	0.008952247	0.049500661	k__Bacteria	p__Firmicutes	c__Clostridia

1					
2	0.008407395	0.048240537	k__Bacteria	p__Firmicutes	c__Clostridia
3	0.000125929	0.003175879	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
4	0.001071395	0.012447441	k__Bacteria	p__Firmicutes	c__Clostridia
5	0.002116625	0.019717029	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
6	0.004429213	0.031364707	k__Bacteria	p__Actinobacteria	c__Coriobacteriia
7	0.008456376	0.048240537	k__Bacteria	p__Firmicutes	c__Clostridia
8					
9	0.00679457	0.042483999	k__Bacteria	p__Firmicutes	c__Clostridia
10	0.003683954	0.027568607	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
11	0.002339766	0.020079899	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
12	0.003666814	0.027568607	k__Bacteria	p__Firmicutes	c__Clostridia
13	0.007060326	0.043714832	k__Bacteria	p__Firmicutes	c__Clostridia
14	0.000283608	0.005331821	k__Bacteria	p__Firmicutes	c__Bacilli
15	0.003314996	0.02596747	k__Bacteria	p__Firmicutes	c__Clostridia
16					
17	0.006724965	0.042400083	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
18	0.00802618	0.047423257	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
19	0.007167763	0.044115874	k__Bacteria	p__Firmicutes	c__Clostridia
20	0.005700912	0.037110377	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
21	0.000511046	0.007886895	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
22					
23	0.003692351	0.027568607	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
24	0.003925298	0.028933245	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
25	0.000978831	0.012048941	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
26	0.002747606	0.022547817	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
27	0.001597348	0.016504235	k__Bacteria	p__Firmicutes	c__Clostridia
28	0.002144466	0.019798013	k__Bacteria	p__Firmicutes	c__Clostridia
29					
30	0.00209525	0.019695347	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
31	0.008425888	0.048240537	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
32	0.007436407	0.045498487	k__Bacteria	p__Firmicutes	c__Clostridia
33	0.001773707	0.017302007	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
34	0.00461316	0.031364707	k__Bacteria	p__Firmicutes	c__Clostridia
35	0.004490551	0.031364707	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
36					
37	0.006211506	0.039646278	k__Bacteria	p__Firmicutes	c__Clostridia
38	0.001750256	0.017235852	k__Bacteria	p__Firmicutes	c__Clostridia
39	0.002332692	0.020079899	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
40	0.004469216	0.031364707	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
41					
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60					

Order	Family	Genus	Species
o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
o__Clostridiales	f__Lachnospiraceae	g__	s__
o__Bacteroidales	f__S24-7	g__	s__
o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus	s__
o__Clostridiales	f__Ruminococcaceae	g__	s__
o__Bacteroidales	f__[Paraprevotellaceae]	g__	s__
o__Fusobacteriales	f__Fusobacteriaceae	g__Fusobacterium	s__
o__Pasteurellales	f__Pasteurellaceae	g__Actinobacillus	s__
o__Bacteroidales	f__Bacteroidaceae	g__Bacteroides	s__barnesiae
o__Bacteroidales	f__S24-7	g__	s__
o__Spirochaetales	f__Spirochaetaceae	g__Treponema	s__
o__Clostridiales	f__	g__	s__
o__Clostridiales	NA	NA	NA
o__Clostridiales	f__Lachnospiraceae	g__	s__
o__Aeromonadales	f__Succinivibrionaceae	g__Succinivibrio	s__
o__Lactobacillales	f__Streptococcaceae	g__Streptococcus	s__
o__Clostridiales	f__	g__	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
o__Clostridiales	f__Lachnospiraceae	NA	NA
o__Clostridiales	f__Veillonellaceae	g__Anaerovibrio	s__
o__Pasteurellales	f__Pasteurellaceae	g__Actinobacillus	s__
o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus	s__
o__Clostridiales	f__Lachnospiraceae	g__Coprococcus	s__
o__Bacteroidales	f__[Paraprevotellaceae]	g__CF231	s__
o__Clostridiales	f__	g__	s__
o__Spirochaetales	f__Spirochaetaceae	g__Treponema	s__
o__Clostridiales	f__Lachnospiraceae	g__	s__
o__Clostridiales	f__Lachnospiraceae	g__	s__
o__Bacteroidales	f__[Odoribacteraceae]	g__Butyricimonas	s__
o__Clostridiales	f__Ruminococcaceae	g__Ruminococcus	s__
o__Clostridiales	f__Ruminococcaceae	g__	s__
o__Lactobacillales	f__Streptococcaceae	g__Streptococcus	s__
o__Clostridiales	f__Lachnospiraceae	g__Coprococcus	s__
o__Clostridiales	f__Ruminococcaceae	g__	s__
o__Clostridiales	f__Lachnospiraceae	g__Coprococcus	s__
o__Bacteroidales	f__S24-7	g__	s__
o__Clostridiales	f__Ruminococcaceae	g__	s__
o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus	s__
o__Clostridiales	f__[Mogibacteriaceae]	g__Anaerovorax	s__
NA	NA	NA	NA
o__RF32	f__	g__	s__
o__Clostridiales	f__Christensenellaceae	g__	s__
o__Clostridiales	f__	g__	s__
o__Clostridiales	f__	g__	s__
o__Bacteroidales	f__[Paraprevotellaceae]	g__YRC22	s__
o__Clostridiales	f__	g__	s__
o__Clostridiales	f__Ruminococcaceae	g__	s__
o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus	s__
o__Bacteroidales	f__[Paraprevotellaceae]	g__	s__

1				
2	o__Clostridiales	f__Christensenellaceae	g__	s__
3	o__Clostridiales	f__Christensenellaceae	g__	s__
4	o__Clostridiales	f__Ruminococcaceae	g__	s__
5	o__Clostridiales	f__	g__	s__
6	o__Clostridiales	f__	g__	s__
7	o__Bacteroidales	f__	g__	s__
8	o__Clostridiales	f__	g__	s__
9	o__Clostridiales	f__Ruminococcaceae	g__	s__
10	o__Clostridiales	f__Lachnospiraceae	g__[Ruminococcus]	s__
11	NA	NA	NA	NA
12	o__Clostridiales	f__Ruminococcaceae	g__	s__
13	o__Clostridiales	f__Ruminococcaceae	g__	s__
14	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
15	o__Clostridiales	f__Lachnospiraceae	g__Coprococcus	s__
16	o__Clostridiales	f__Ruminococcaceae	g__	s__
17	o__Clostridiales	f__	g__	s__
18	o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus	s__
19	o__Clostridiales	f__	g__	s__
20	o__Clostridiales	f__	g__	s__
21	o__Clostridiales	f__Lachnospiraceae	g__Coprococcus	s__
22	o__Clostridiales	f__Ruminococcaceae	g__	s__
23	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
24	o__Pasteurellales	f__Pasteurellaceae	g__Aggregatibacter	NA
25	o__Clostridiales	f__Veillonellaceae	g__Anaerovibrio	s__
26	o__Clostridiales	f__Veillonellaceae	g__Mitsuokella	s__multacida
27	o__Clostridiales	NA	NA	NA
28	o__Clostridiales	f__Ruminococcaceae	g__	s__
29	o__Clostridiales	f__Ruminococcaceae	g__	s__
30	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
31	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
32	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
33	o__Clostridiales	f__Lachnospiraceae	g__	s__
34	o__Clostridiales	f__Lachnospiraceae	g__Coprococcus	s__
35	o__Clostridiales	f__	g__	s__
36	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
37	o__Clostridiales	f__	g__	s__
38	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
39	o__Clostridiales	f__	g__	s__
40	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
41	o__Turicibacterales	f__Turicibacteraceae	g__Turicibacter	s__
42	o__Clostridiales	f__	g__	s__
43	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
44	o__Clostridiales	f__Lachnospiraceae	g__	s__
45	o__Bacteroidales	f__S24-7	g__	s__
46	o__Clostridiales	f__Ruminococcaceae	g__	s__
47	o__Clostridiales	f__Lachnospiraceae	g__	s__
48	o__Clostridiales	f__Ruminococcaceae	g__	s__
49	o__Clostridiales	f__	g__	s__
50	o__Clostridiales	f__Ruminococcaceae	g__	s__
51	o__Clostridiales	f__Lachnospiraceae	g__	s__
52	o__Clostridiales	f__Lachnospiraceae	g__	s__
53	o__Clostridiales	f__Lachnospiraceae	g__	s__
54	o__Clostridiales	f__Lachnospiraceae	g__	s__
55	o__Clostridiales	f__Lachnospiraceae	g__	s__
56	o__Clostridiales	f__Lachnospiraceae	g__[Ruminococcus]	s__
57	o__Clostridiales	f__Lachnospiraceae	g__[Ruminococcus]	s__
58	o__Clostridiales	f__Lachnospiraceae	g__[Ruminococcus]	s__
59	o__Clostridiales	f__Lachnospiraceae	g__[Ruminococcus]	s__
60	o__Clostridiales	f__Lachnospiraceae	g__[Ruminococcus]	s__

1				
2	o__Clostridiales	f__Veillonellaceae	g__Anaerovibrio	s__
3	o__Clostridiales	f__Lachnospiraceae	g__Coprococcus	s__
4	o__Campylobacterales	f__Campylobacteraceae	g__Campylobacter	s__
5	o__Bacteroidales	f__Porphyromonadaceae	g__Paludibacter	s__
6	o__Clostridiales	f__Ruminococcaceae	g__	s__
7	o__Clostridiales	f__Lachnospiraceae	g__Dorea	s__
8	o__Clostridiales	f__Ruminococcaceae	g__Ruminococcus	s__
9	o__Campylobacterales	f__Campylobacteraceae	g__Campylobacter	s__
10	o__Clostridiales	f__Clostridiaceae	g__	s__
11	o__Clostridiales	f__	g__	s__
12	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
13	o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus	s__
14	o__Clostridiales	f__Lachnospiraceae	g__	s__
15	o__Clostridiales	f__Lachnospiraceae	g__	s__
16	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
17	o__Clostridiales	f__Clostridiaceae	NA	NA
18	o__Clostridiales	f__Lachnospiraceae	g__Butyrivibrio	s__
19	o__Clostridiales	f__	g__	s__
20	o__Clostridiales	f__Lachnospiraceae	g__	s__
21	o__Clostridiales	f__Ruminococcaceae	g__	s__
22	o__Clostridiales	f__	g__	s__
23	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
24	o__Coriobacteriales	f__Coriobacteriaceae	g__	s__
25	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
26	o__Bacteroidales	f__S24-7	g__	s__
27	o__Clostridiales	f__[Mogibacteriaceae]	g__	s__
28	o__Clostridiales	f__Lachnospiraceae	g__Coprococcus	s__
29	o__Aeromonadales	f__Succinivibrionaceae	g__Ruminobacter	s__
30	o__Aeromonadales	f__Succinivibrionaceae	g__Succinivibrio	s__
31	o__Clostridiales	f__Ruminococcaceae	g__	s__
32	o__Bacteroidales	f__S24-7	g__	s__
33	o__Clostridiales	f__	g__	s__
34	NA	NA	NA	NA
35	o__Bacteroidales	f__Rikenellaceae	NA	NA
36	o__Clostridiales	f__Ruminococcaceae	g__	s__
37	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
38	o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus	s__
39	o__Clostridiales	f__Ruminococcaceae	g__Oscillospira	s__
40	o__Pasteurellales	f__Pasteurellaceae	g__Actinobacillus	s__
41	o__Clostridiales	f__	g__	s__
42	o__Desulfovibrionales	f__Desulfovibrionaceae	g__	s__
43	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
44	o__Clostridiales	f__Lachnospiraceae	g__	s__
45	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
46	o__Clostridiales	f__Ruminococcaceae	g__Ruminococcus	s__flavefaciens
47	o__Clostridiales	f__Ruminococcaceae	g__	s__
48	o__Clostridiales	f__Ruminococcaceae	g__	s__
49	o__Clostridiales	f__Clostridiaceae	g__	s__
50	o__Clostridiales	f__Ruminococcaceae	g__Ruminococcus	s__
51	o__Clostridiales	f__Lachnospiraceae	g__Blautia	s__
52	o__Clostridiales	f__	g__	s__
53	o__Clostridiales	f__Lachnospiraceae	g__	s__

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2	o__Clostridiales	f__Ruminococcaceae	g__Ruminococcus	s__
3	o__Aeromonadales	f__Succinivibrionaceae	g__Succinivibrio	s__
4	o__Clostridiales	f__Lachnospiraceae	g__Lachnospira	s__
5	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
6	o__Coriobacteriales	f__Coriobacteriaceae	g__	s__
7	o__Clostridiales	f__Ruminococcaceae	g__	s__
8	o__Clostridiales	f__Lachnospiraceae	g__	s__
9	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
10	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
11	o__Clostridiales	f__Lachnospiraceae	g__Lachnospira	s__
12	o__Clostridiales	f__	g__	s__
13	o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus	s__
14	o__Clostridiales	f__Clostridiaceae	g__Clostridium	s__
15	o__Enterobacteriales	f__Enterobacteriaceae	g__	s__
16	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
17	o__Clostridiales	f__Lachnospiraceae	g__	s__
18	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
19	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
20	o__Bacteroidales	f__S24-7	g__	s__
21	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
22	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
23	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
24	o__Clostridiales	f__Veillonellaceae	g__Anaerovibrio	s__
25	o__Clostridiales	f__Ruminococcaceae	g__Oscillospira	s__
26	o__Bacteroidales	f__[Paraprevotellaceae]	g__CF231	s__
27	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
28	o__Clostridiales	f__Lachnospiraceae	g__Roseburia	s__faecis
29	o__Bacteroidales	f__	g__	s__
30	o__Clostridiales	f__Lachnospiraceae	g__	s__
31	o__Bacteroidales	f__	g__	s__
32	o__Clostridiales	f__[Mogibacteriaceae]	g__	s__
33	o__Clostridiales	f__Clostridiaceae	g__	s__
34	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
35	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
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Table S8: Differentially abundant (DA) OTUs when comparing P (parenteral administrated) vs. C (control)

OTU	+samples in group 0	+samples in group 1	counts in group 0
New.ReferenceOTU105	2	8	2
New.ReferenceOTU11247	6	7	13
329729	5	7	53
309745	3	8	6
587041	8	5	16
New.ReferenceOTU6399	14	16	876
New.ReferenceOTU10898	6	7	27
355246	1	9	1
16915	22	21	3663
354599	6	9	54
New.ReferenceOTU1852	12	4	355
589852	24	20	2733
47477	12	2	170
74192	4	9	15
1092802	21	19	815
10945	10	18	40
New.ReferenceOTU3520	8	3	46
571178	24	19	1226
697548	7	3	108
New.ReferenceOTU5058	7	3	14
New.ReferenceOTU214	2	8	9
New.CleanUp.ReferenceOTU63327	8	5	34
New.ReferenceOTU101	15	2	111
461487	20	11	392
New.ReferenceOTU7356	7	9	90
708680	24	22	3083
578207	9	15	26
70580	4	6	8
301280	20	20	522
New.ReferenceOTU9063	11	6	25
292585	3	9	10
4003061	5	7	8
172163	16	20	63
New.ReferenceOTU1693	7	6	28
846386	9	1	29
340761	9	5	35
24271	11	8	25
355187	8	6	96
109413	2	11	4
New.ReferenceOTU6787	3	8	10
343709	20	17	618
New.ReferenceOTU6457	9	12	20
683621	24	22	848
354461	15	10	107
359779	5	7	11
530928	12	8	81
181170	8	7	25
304154	15	9	88
552031	24	20	327

1				
2	New.ReferenceOTU1797	6	12	9
3		192079	15	112
4		359175	11	34
5	New.ReferenceOTU6315	4	8	6
6		837859	4	75
7		343831	8	6
8		555945	12	29
9		4453773	24	3882
10			23	
11	New.ReferenceOTU3994	15	6	47
12		976470	14	71
13		524842	21	123
14		799443	16	188
15			19	
16	New.ReferenceOTU2527	6	11	19
17		524117	10	42
18	New.ReferenceOTU3290	10	9	32
19	New.ReferenceOTU7944	13	12	19
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trol) group at T1. DA OTUs were used to be plotted in the Venn diagram (Figure 2).

counts in group 1	oddsRatio	lower	upper	fisherP	fisherAdjP
177	0.176929317	0.016138635	1.058331175	0.036329609	0.653545177
139	0.766343406	0.172086849	3.309384572	0.751642428	1
423	0.608092297	0.125494496	2.734673192	0.517082499	0.968816654
281	0.275581692	0.040330739	1.393901187	0.093307729	0.808402104
234	1.777545338	0.411222286	8.437402558	0.517082499	0.968816654
1417	0.618974991	0.153498955	2.380042422	0.546872865	0.968816654
95	0.766343406	0.172086849	3.309384572	0.751642428	1
196	0.071328723	0.0014861	0.607943229	0.004387329	0.381143624
8395	1.046600942	0.069913154	15.66846384	1	1
343	0.525904409	0.121721947	2.123851925	0.358723189	0.957859536
62	4.586716621	1.06908726	24.25510343	0.030476525	0.653545177
594	Inf	0.443793995	Inf	0.109219858	0.808402104
9	9.964769554	1.777219246	106.5427137	0.003351363	0.338586855
130	0.319131289	0.059392258	1.428737661	0.11071771	0.808402104
1689	1.461565972	0.216203225	11.29245932	0.700775998	1
311	0.206022129	0.043942221	0.829248671	0.017127613	0.55534011
5	3.249484968	0.643365718	22.14722319	0.168091512	0.825217056
232	Inf	0.730879938	Inf	0.04964539	0.74693746
6	2.687356051	0.512613755	18.62434354	0.286465842	0.923573316
48	2.687356051	0.512613755	18.62434354	0.286465842	0.923573316
71	0.176929317	0.016138635	1.058331175	0.036329609	0.653545177
63	1.777545338	0.411222286	8.437402558	0.517082499	0.968816654
6	16.28977988	2.902900879	175.8174816	0.000178525	0.176316868
53	5.245647661	1.215391561	27.95219413	0.014547319	0.55534011
62	0.646681408	0.158573466	2.537298945	0.546872865	0.968816654
1200	Inf	0.026755507	Inf	0.489361702	0.968816654
213	0.328287667	0.082021298	1.219243561	0.081980221	0.790353009
54	0.573587769	0.101174248	2.892168927	0.49362092	0.968816654
930	0.754589632	0.097705886	5.101675536	1	1
51	2.352340926	0.602886659	10.01131017	0.227018416	0.825217056
45	0.229619263	0.03395974	1.13203881	0.048991413	0.74693746
57	0.608092297	0.125494496	2.734673192	0.517082499	0.968816654
294	0.307741076	0.045152387	1.554325901	0.168091512	0.825217056
8	1.162845698	0.269127546	5.168521911	1	1
1	12.5635421	1.477591867	602.1592884	0.010195016	0.482078619
6	2.124640519	0.505462503	9.957889246	0.341162553	0.957859536
58	1.570890912	0.421974081	6.066989903	0.555643067	0.968816654
36	1.40618027	0.338741792	6.131248274	0.751642428	1
49	0.104437924	0.009711672	0.592675367	0.003351363	0.338586855
40	0.275581692	0.040330739	1.393901187	0.093307729	0.808402104
181	1.74341235	0.34576127	9.883938023	0.49362092	0.968816654
84	0.557139615	0.14669039	2.037343837	0.385159207	0.957859536
1300	Inf	0.026755507	Inf	0.489361702	0.968816654
22	2.130432239	0.5828813	8.175767554	0.24764822	0.825217056
48	0.608092297	0.125494496	2.734673192	0.517082499	0.968816654
20	1.849762438	0.500857814	7.154097728	0.380129044	0.957859536
8	1.139613338	0.282242508	4.691658073	1	1
15	2.538665173	0.691120452	9.907292308	0.148247421	0.825217056
597	Inf	0.443793995	Inf	0.109219858	0.808402104

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2	67	0.313743416	0.073020834	1.220526699	0.0753455	0.790353009
3	30	1.79488224	0.490835166	6.817079136	0.385159207	0.957859536
4	8	2.352340926	0.602886659	10.01131017	0.227018416	0.825217056
5	27	0.383018667	0.070473901	1.761033897	0.19301944	0.825217056
6	12	6.359266314	1.485698822	33.9295596	0.0064839	0.402407033
7	25	0.50097006	0.105248253	2.167308373	0.341162553	0.957859536
8	82	0.540609961	0.139780031	1.99657462	0.380129044	0.957859536
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10	6241	0	0 Inf		1	1
11	8	4.55457218	1.171321651	19.95219477	0.018930278	0.569629282
12	21	2.141124325	0.586990545	8.206974162	0.24764822	0.825217056
13	232	1.048932019	0.125256502	8.785856462	1	1
14	247	0.428884448	0.079113665	1.969568866	0.317659078	0.957859536
15	16	0.371830621	0.086779682	1.455566119	0.135095437	0.825217056
16	21	0.783387342	0.211335186	2.861135256	0.772481821	1
17	14	1.108621505	0.297261851	4.176336057	1	1
18	33	1.081488713	0.296843139	3.956930028	1	1
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(Intercept)	ATB_GROUP_T1_PARENTERALvsCONTROL	PARENTERAL_ATB
0.345784901		3.607326862
0.925739559		2.739779319
1.283031477		2.602736509
0.532086491		2.423863473
0.926105176		2.331146996
3.491695335		2.256247319
1.560273752		2.222339443
-0.022979373		2.166650172
5.703971632		2.164018614
1.667825148		2.076049239
4.014613862		-2.048517723
6.646745873		-2.047601561
2.838597616		-2.036148282
1.188564277		1.944262067
4.396301414		1.942831652
1.655511101		1.88837961
2.453073214		-1.869633922
5.027757476		-1.81999281
2.9597447		-1.802610759
1.240378194		1.78082404
0.828439055		1.75034796
1.727541206		1.719906951
2.225412518		-1.649095979
3.453420736		-1.639437876
3.440732128		-1.631326536
6.474196232		-1.613127915
1.323982057		1.605910335
1.601409814		1.59666691
3.753300026		1.571078555
1.469528671		1.491588432
0.551154914		1.450368125
0.639505194		1.440010024
1.8576964		1.436803105
2.232501065		-1.431301531
1.64225485		-1.408656566
2.066693117		-1.39736973
1.282113864		1.383035166
3.146811384		-1.371149796
0.61410605		1.321311025
0.769705452		1.320257891
4.074895621		-1.298918062
1.067724587		1.266041409
4.652428667		1.240823908
2.473148259		-1.217468503
1.535432479		1.213378236
2.447839374		-1.18783513
1.952609791		-1.17977099
2.259881938		-1.176509991
3.396580703		1.167641885

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2	0.716874403	1.154176859
3	2.531251368	-1.146331297
4	1.888123411	-1.134726565
5	0.706912955	1.106256124
6	2.043044803	-1.09322274
7	0.721769767	1.071720791
8	1.273882781	1.067577098
9	6.951263274	1.054074375
10	1.715582933	-1.003600008
11	2.213750477	-0.950877623
12	2.391921004	0.949774943
13	2.737599589	0.94353378
14	1.993948709	-0.854026718
15	2.193082216	-0.840125507
16	1.853049729	-0.825017166
17	0.987875616	0.697710505
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For Peer Review

normFactor_T1_PARENTERALvsCONTROL	pvalues	adjPvalues	Kingdom	Phylum
1.592605345	3.72E-08	1.85E-05	k__Bacteria	p__Bacteroidetes
1.290543894	2.40E-07	7.96E-05	k__Bacteria	p__Bacteroidetes
-0.890356207	0.000425546	0.01408556	k__Bacteria	p__Firmicutes
1.093010763	0.000255609	0.010669834	k__Bacteria	p__Firmicutes
-1.024625701	9.05E-05	0.005994249	k__Bacteria	p__Firmicutes
2.818721632	0.001294083	0.028772749	k__Bacteria	p__Bacteroidetes
1.313158832	5.34E-05	0.004616973	k__Bacteria	p__Bacteroidetes
-1.510536075	0.000172271	0.009003426	k__Bacteria	p__Bacteroidetes
2.985989271	0.001335819	0.028772749	k__Bacteria	p__Bacteroidetes
2.357823126	0.001568338	0.031147192	k__Bacteria	p__Spirochaetes
1.620520642	0.001166372	0.02806066	k__Bacteria	p__Bacteroidetes
0.249438644	6.30E-09	6.26E-06	k__Bacteria	p__Firmicutes
1.388772887	0.000188968	0.009382275	k__Bacteria	p__Firmicutes
0.436438747	0.000143426	0.008094895	k__Bacteria	p__Proteobacteria
1.946239383	1.81E-05	0.002240464	k__Bacteria	p__Bacteroidetes
-1.024957119	7.83E-06	0.001563618	k__Bacteria	p__Proteobacteria
0.285868501	1.33E-05	0.001893584	k__Bacteria	p__Bacteroidetes
1.670184692	1.29E-05	0.001893584	k__Bacteria	p__Firmicutes
2.737937526	7.87E-06	0.001563618	k__Bacteria	p__Firmicutes
-0.641100888	0.001912697	0.035601064	k__Bacteria	p__Bacteroidetes
1.150601202	0.000299391	0.011010923	k__Bacteria	p__Proteobacteria
2.273532624	7.47E-05	0.005704446	k__Bacteria	p__Bacteroidetes
0.559372598	0.000779047	0.022102681	k__Bacteria	p__Firmicutes
1.661445982	0.000268626	0.010669834	k__Bacteria	p__Firmicutes
-1.440158754	0.000239922	0.010669834	k__Bacteria	p__Bacteroidetes
-0.216164177	0.001186856	0.02806066	k__Bacteria	p__Firmicutes
-0.47995605	0.000571332	0.017191899	k__Bacteria	p__Bacteroidetes
1.438313421	0.000281401	0.010747372	k__Bacteria	p__Proteobacteria
1.046530687	0.001300829	0.028772749	k__Bacteria	p__Firmicutes
-0.235401178	0.000146735	0.008094895	k__Bacteria	p__Firmicutes
1.386856019	0.000325628	0.011548178	k__Bacteria	p__Firmicutes
0.191833038	0.001322386	0.028772749	k__Bacteria	p__Bacteroidetes
0.390451824	0.000518079	0.016076648	k__Bacteria	p__Firmicutes
0.032271391	2.70E-05	0.002677034	k__Bacteria	p__Bacteroidetes
0.257388754	9.05E-05	0.005994249	k__Bacteria	p__Firmicutes
0.344159274	2.38E-05	0.002621147	k__Bacteria	p__Firmicutes
0.990359836	0.000348512	0.011933537	k__Bacteria	p__Firmicutes
1.201744441	0.002501543	0.041400531	k__Bacteria	p__Firmicutes
0.832973002	0.00047655	0.015264963	k__Bacteria	p__Proteobacteria
-0.329181055	0.002005448	0.035601064	k__Bacteria	p__Proteobacteria
2.306620034	0.001932599	0.035601064	k__Bacteria	p__Firmicutes
0.536500421	0.001621301	0.031567693	Unassigned	NA
2.311424819	0.000262394	0.010669834	k__Bacteria	p__Firmicutes
0.152313739	0.001361852	0.028772749	k__Bacteria	p__Firmicutes
0.901161156	0.001531775	0.031041888	k__Bacteria	p__Proteobacteria
0.787457974	0.001083743	0.02806066	k__Bacteria	p__Firmicutes
0.161253872	5.58E-05	0.004616973	k__Bacteria	p__Firmicutes
1.197385161	0.000250963	0.010669834	k__Bacteria	p__Firmicutes
0.168827178	0.002212277	0.0385402	k__Bacteria	p__Bacteroidetes

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2	-0.016245104	0.001415175	0.029276432	k__Bacteria	p__Bacteroidetes
3	0.615464952	0.001966247	0.035601064	k__Bacteria	p__Firmicutes
4	0.034442742	0.000110854	0.006879868	k__Bacteria	p__Firmicutes
5	0.81755941	0.001128628	0.02806066	k__Bacteria	p__Bacteroidetes
6	1.230461299	0.002680708	0.04293457	k__Bacteria	p__Firmicutes
7	0.499917543	0.00068668	0.020055089	k__Bacteria	p__Firmicutes
8	0.631876549	0.001142206	0.02806066	k__Bacteria	p__Firmicutes
9	0.25100937	0.001155129	0.02806066	k__Bacteria	p__Proteobacteria
10	0.05210116	0.000875772	0.024156711	k__Bacteria	p__Firmicutes
11	0.405821139	0.003000779	0.045842663	k__Bacteria	p__Firmicutes
12	1.333283176	0.002586326	0.042101999	k__Bacteria	p__Firmicutes
13	2.933606141	0.003000623	0.045842663	k__Bacteria	p__Firmicutes
14	0.194655793	0.002324506	0.039797149	k__Bacteria	p__Bacteroidetes
15	0.658529444	0.002007714	0.035601064	k__Bacteria	p__Proteobacteria
16	-0.287569115	0.002462535	0.041400531	k__Bacteria	p__Bacteroidetes
17	0.755508233	0.002950025	0.045842663	k__Bacteria	p__Firmicutes
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Class	Order	Family	Genus
c__Bacteroidia	o__Bacteroidales	f__S24-7	g__
c__Bacteroidia	o__Bacteroidales	f__Porphyromonadaceae	g__Paludibacter
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
c__Clostridia	o__Clostridiales	f__	g__
c__Bacteroidia	o__Bacteroidales	f__Porphyromonadaceae	g__Paludibacter
c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae	g__Bacteroides
c__Bacteroidia	o__Bacteroidales	f__[Odoribacteraceae]	g__Butyricimonas
c__Bacteroidia	o__Bacteroidales	f__p-2534-18B5	g__
c__Spirochaetes	o__Spirochaetales	f__Spirochaetaceae	g__Treponema
c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
c__Clostridia	o__Clostridiales	f__	g__
c__Gammaproteobacteria	o__Pasteurellales	f__Pasteurellaceae	g__Actinobacillus
c__Bacteroidia	o__Bacteroidales	f__	g__
c__Epsilonproteobacteria	o__Campylobacterales	f__Helicobacteraceae	NA
c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__Roseburia
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]
c__Deltaproteobacteria	o__Desulfovibrionales	f__Desulfovibrionaceae	g__Desulfovibrio
c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]
c__Clostridia	o__Clostridiales	f__	g__
c__Clostridia	o__Clostridiales	f__	g__
c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
c__Bacteroidia	o__Bacteroidales	f__	g__
c__Gammaproteobacteria	o__Pasteurellales	f__Pasteurellaceae	g__Actinobacillus
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Oscillospira
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
c__Bacteroidia	o__Bacteroidales	f__Porphyromonadaceae	g__Parabacteroides
c__Clostridia	o__Clostridiales	f__	g__
c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__Anaerostipes
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__Roseburia
c__Bacilli	o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus
c__Clostridia	o__Clostridiales	f__	g__
c__Gammaproteobacteria	o__Pasteurellales	f__Pasteurellaceae	g__Actinobacillus
c__Gammaproteobacteria	o__Pasteurellales	f__Pasteurellaceae	g__Aggregatibacter
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
NA	NA	NA	NA
c__Clostridia	o__Clostridiales	f__Clostridiaceae	g__
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
c__Gammaproteobacteria	o__Pasteurellales	f__Pasteurellaceae	g__Actinobacillus
c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Ruminococcus
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__Coprococcus
c__Bacteroidia	o__Bacteroidales	f__	g__

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2	c__Bacteroidia	o__Bacteroidales	f__p-2534-18B5	g__
3	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Ruminococcus
4	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
5	c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]
6	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
7	c__Clostridia	o__Clostridiales	f__	g__
8	c__Clostridia	o__Clostridiales	f__Clostridiaceae	NA
9	c__Deltaproteobacteria	o__Desulfovibrionales	f__Desulfovibrionaceae	g__Desulfovibrio
10	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
11	c__Clostridia	o__Clostridiales	f__	g__
12	c__Clostridia	o__Clostridiales	f__Clostridiaceae	g__
13	c__Clostridia	o__Clostridiales	f__	g__
14	c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]	g__CF231
15	c__Gammaproteobacteria	o__Aeromonadales	f__Succinivibrionaceae	g__Succinivibrio
16	c__Bacteroidia	o__Bacteroidales	NA	NA
17	c__Clostridia	o__Clostridiales	f__[Mogibacteriaceae]	g__
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For Peer Review

Table S9: Differentially abundant (DA) OTUs when comparing O (oral administrated) vs. C (control) gr

OTU	+samples i	+samples i	counts in g	counts in g	oddsRatio	lower	upper	fisherP
New.Cleanl	8	6	34	604	1.487319	0.360654	6.451776	0.751642
581474	24	18	1790	62	Inf	1.341634	Inf	0.021936
46910	22	8	662	23	20.29111	3.600336	220.3123	5.78E-05
355697	20	11	6160	802	5.675899	1.334856	29.9945	0.014547
179806	18	7	744	49	6.941037	1.745148	31.92416	0.00341
New.Referε	8	16	228	2737	0.257937	0.063246	0.960337	0.04222
4306043	2	12	2	133	0.095831	0.008983	0.535136	0.003351
1038455	5	6	78	304	0.793376	0.160401	3.753784	1
New.Cleanl	14	13	1063	1459	1.180432	0.326813	4.310371	1
532232	16	2	188	2	20.29111	3.600336	220.3123	5.78E-05
74192	4	12	15	644	0.207259	0.039364	0.884304	0.030477
579431	16	6	1246	44	5.751095	1.472824	25.61645	0.008415
551902	15	7	472	39	3.921658	1.045921	16.1966	0.041464
553352	24	8	274	8	Inf	8.448061	Inf	6.52E-07
516159	21	20	1486	312	1.390237	0.206317	10.70676	1
47477	12	0	170	0	Inf	4.399428	Inf	7.76E-05
531052	16	7	492	37	4.683334	1.233829	19.79127	0.019855
354461	15	0	107	0	Inf	7.161824	Inf	2.39E-06
509416	21	1	180	5	128.4683	13.48113	6536.898	3.57E-09
198552	15	1	309	2	35.17597	4.29923	1663.993	2.85E-05
New.Referε	16	1	297	49	41.78668	5.069724	1984.077	8.48E-06
533277	13	0	109	0	Inf	5.18035	Inf	2.59E-05
New.Referε	11	0	85	0	Inf	3.721491	Inf	0.000221
276561	3	16	12	192	0.076418	0.011206	0.363969	0.000275
549756	20	3	112	4	31.06202	5.767489	247.9902	1.43E-06
350666	10	16	38	191	0.36523	0.09348	1.334012	0.146807
New.Referε	14	15	876	1301	0.843063	0.225628	3.110346	1
335846	7	10	155	325	0.583174	0.145547	2.224312	0.546873
355246	1	18	1	473	0.016412	0.000341	0.1393	5.67E-07
New.Referε	18	1	149	1	60.92948	7.17875	2932.885	5.67E-07
753891	17	8	930	217	4.683334	1.233829	19.79127	0.019855
470382	19	3	171	6	24.04268	4.695419	179.5601	6.50E-06
527413	6	13	19	141	0.290025	0.068133	1.110693	0.075346
New.Referε	6	16	253	1084	0.17388	0.039037	0.678968	0.008415
819181	22	24	1593	3343	0	0	5.288108	0.489362
347085	8	3	218	4	3.409821	0.67807	23.16955	0.168092
515953	24	20	3348	1740	Inf	0.697395	Inf	0.10922
New.Referε	9	1	119	3	13.1314	1.549251	628.2567	0.010195
352943	6	6	26	407	1	0.219955	4.546383	1
346606	14	2	244	20	14.43526	2.594	154.5212	0.000509
23625	21	22	1256	1697	0.64234	0.049042	6.204237	1
279534	16	18	80	490	0.672351	0.154996	2.772739	0.751642
355175	6	10	90	201	0.474248	0.111647	1.86233	0.358723
New.Referε	16	18	122	470	0.672351	0.154996	2.772739	0.751642
588197	24	24	2080	538	0	0	Inf	1
361727	8	2	53	4	5.312557	0.893052	57.8825	0.072265
812596	22	24	2010	4533	0	0	5.288108	0.489362
364736	14	3	97	5	9.285636	1.97897	62.04651	0.002049
327017	11	2	87	4	8.873846	1.577097	94.77454	0.007841

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2	337057	13	4	162	18	5.675899	1.334856	29.9945	0.014547
3	172163	16	19	63	330	0.533433	0.112884	2.292648	0.517082
4	703741	24	24	4696	898	0	0	Inf	1
5	366716	13	2	49	5	12.26312	2.204205	131.0401	0.001349
6	315271	16	8	488	75	3.876922	1.041302	15.81124	0.04222
7	New.Referenc	10	10	50	306	1	0.27312	3.661395	1
8	309745	3	8	6	150	0.293271	0.04316	1.474774	0.168092
9	584083	21	15	868	161	4.075037	0.832282	27.35791	0.093308
10	584263	16	4	114	26	9.440104	2.182404	51.65597	0.001022
11	875643	17	10	872	72	3.309326	0.888283	13.44651	0.07977
12	348227	9	4	198	12	2.931147	0.659506	15.63363	0.193019
13	369429	19	6	171	15	10.69195	2.51492	55.30041	0.0004
14	804526	20	15	418	46	2.931147	0.659506	15.63363	0.193019
15	New.Referenc	6	7	13	104	0.813101	0.183885	3.490841	1
16	366986	15	4	145	18	7.916665	1.850235	42.59655	0.002683
17	519882	12	1	95	2	21.56702	2.635553	1018.582	0.000699
18	New.Referenc	9	19	20	173	0.164905	0.034857	0.663465	0.007664
19	New.Referenc	5	6	34	59	0.793376	0.160401	3.753784	1
20	337379	24	17	929	174	Inf	1.717273	Inf	0.009401
21	New.Referenc	8	7	27	8	1.209375	0.301808	4.948866	1
22	100852	10	8	40	83	1.417926	0.379311	5.453547	0.766128
23	366584	24	22	1264	408	Inf	0.189104	Inf	0.489362
24	532771	19	10	427	38	5.120941	1.28026	23.89398	0.017128
25	510286	8	9	21	92	0.836511	0.215793	3.191516	1
26	New.Referenc	14	2	91	6	14.43526	2.594	154.5212	0.000509
27	578207	9	16	26	117	0.308098	0.07747	1.132945	0.08198
28	New.Cleanl	6	4	22	6	1.649012	0.328596	9.302675	0.723793
29	759751	18	13	322	100	2.48842	0.64241	10.5286	0.227018
30	72926	22	24	727	2474	0	0	5.288108	0.489362
31	New.Referenc	23	24	867	349	0	0	39.00055	1
32	370361	12	5	86	8	3.690425	0.920769	17.01014	0.068707
33	New.Referenc	13	12	43	126	1.177703	0.329409	4.25319	1
34	28056	6	10	40	121	0.474248	0.111647	1.86233	0.358723
35	843459	16	9	100	22	3.245723	0.882655	12.90821	0.08198
36	870421	20	20	1188	223	1	0.161763	6.181898	1
37	524117	10	5	42	8	2.657196	0.648797	12.30244	0.212385
38	355187	8	8	96	43	1	0.254579	3.928055	1
39	New.Referenc	6	6	42	16	1	0.219955	4.546383	1
40	366623	12	4	47	8	4.824984	1.130833	25.40375	0.030477
41	New.Referenc	8	8	33	87	1	0.254579	3.928055	1
42	New.Referenc	12	10	29	78	1.39015	0.387925	5.086769	0.772482
43	536754	15	2	46	2	17.05854	3.052482	183.632	0.000179
44	New.Referenc	5	9	18	43	0.446283	0.095645	1.864652	0.341163
45	589852	24	22	2733	1752	Inf	0.189104	Inf	0.489362
46	577406	17	3	73	7	15.74652	3.255512	109.7607	8.83E-05
47	249776	7	9	67	81	0.691711	0.17125	2.692358	0.760109
48	290804	21	15	212	53	4.075037	0.832282	27.35791	0.093308
49	New.Referenc	16	16	68	147	1	0.254579	3.928055	1
50	New.Referenc	10	1	65	1	15.56355	1.866883	739.9977	0.004387
51	New.Referenc	17	21	106	278	0.35463	0.051324	1.851283	0.286466
52	337784	15	6	55	13	4.818248	1.248512	21.00305	0.01893
53	531436	14	5	76	13	5.120941	1.28026	23.89398	0.017128

New.Cleanl	9	10	22	53	0.843063	0.225628	3.110346	1
New.Referc	7	14	90	101	0.302176	0.074369	1.125768	0.07977
New.Referc	15	17	65	139	0.691711	0.17125	2.692358	0.760109
New.Referc	5	5	11	23	1	0.194529	5.140631	1
302144	10	3	52	5	4.83119	1.00557	32.2058	0.048991
New.Referc	7	4	14	4	2.028066	0.427005	11.15168	0.493621
New.Referc	4	11	6	38	0.243885	0.046273	1.048991	0.059884
300355	10	7	55	20	1.714754	0.449577	6.870612	0.546873
25842	19	12	120	107	3.690425	0.920769	17.01014	0.068707
807795	20	14	168	34	3.475498	0.797402	18.39148	0.110718
New.Referc	8	8	36	17	1	0.254579	3.928055	1
New.Referc	12	3	41	4	6.703542	1.424616	44.47535	0.011361
347189	5	8	10	34	0.533433	0.112884	2.292648	0.517082
302975	19	7	57	12	8.72536	2.10661	43.30741	0.001185
91359	13	6	48	10	3.447976	0.900339	14.67714	0.075346
163857	10	1	17	2	15.56355	1.866883	739.9977	0.004387
4303850	17	14	64	75	1.714754	0.449577	6.870612	0.546873
New.Referc	8	11	22	42	0.597474	0.155812	2.203109	0.555643
New.Referc	8	9	26	13	0.836511	0.215793	3.191516	1
New.Referc	8	3	22	5	3.409821	0.67807	23.16955	0.168092
New.Referc	9	2	18	3	6.348574	1.094595	68.64163	0.03633
New.Referc	7	8	10	18	0.826874	0.202066	3.313363	1
529873	8	3	24	4	3.409821	0.67807	23.16955	0.168092
351659	12	17	23	55	0.419666	0.10495	1.566084	0.237524
New.Referc	21	20	121	58	1.390237	0.206317	10.70676	1
199286	8	13	15	31	0.430954	0.111529	1.571391	0.244315

oup at T1.DA OTUs were used to be plotted in the Venn diagram (Figure 2).

	fisherAdjP	(Intercept)	ATB_GROUnormFacto	pvalues	adjPvalues	Kingdom	Phylum	Class
1	1	1.284078	4.965668	2.539814	9.72E-10	4.78E-07	k__Bacteri	__Bacteroc__Bactero
2	0.242286	5.643249	-3.98721	-0.5628	2.71E-14	2.66E-11	k__Bacteri	__Firmicu c__Bacilli
3	0.004374	4.099524	-3.32951	-1.14332	2.30E-07	4.21E-05	k__Bacteri	__Firmicu c__Clostrid
4	0.201409	5.983363	-3.24097	4.234385	9.21E-05	0.002919	k__Bacteri	__Firmicu c__Clostrid
5	0.077948	4.094268	-3.01542	-2.18684	6.22E-06	0.000407	k__Bacteri	__Bacteroc__Bactero
6	0.348758	1.970775	2.96125	2.581185	0.002701	0.029178	k__Bacteri	__Bacteroc__Bactero
7	0.077948	0.42909	2.881655	0.852845	7.32E-08	1.80E-05	k__Bacteri	__Bacteroc__Bactero
8	1	1.917833	2.834302	2.95937	7.81E-05	0.002647	k__Bacteri	__Spiroch c__Spirochi
9	1	3.052084	2.717597	2.731858	0.003643	0.034847	k__Bacteri	__Bacteroc__Bactero
10	0.004374	2.674672	-2.69211	-1.36102	6.39E-07	5.83E-05	k__Bacteri	__Firmicu c__Bacilli
11	0.299584	0.953184	2.656484	-0.8952	0.000262	0.0066	k__Bacteri	__Proteok c__Gamma
12	0.131149	3.877501	-2.56634	-0.2249	0.001132	0.017381	k__Bacteri	__Firmicu c__Clostrid
13	0.348758	3.241849	-2.5597	-3.0414	3.92E-06	0.000304	k__Bacteri	__Firmicu c__Clostrid
14	0.00016	3.066725	-2.55701	-0.92901	1.01E-08	3.31E-06	k__Bacteri	__Firmicu c__Bacilli
15	1	4.562777	-2.54949	-2.05355	0.000186	0.004951	k__Bacteri	__Proteok c__Gamma
16	0.005117	2.819177	-2.5339	1.382679	2.27E-05	0.001241	k__Bacteri	__Firmicu c__Clostrid
17	0.232348	4.055104	-2.53334	0.522684	4.00E-05	0.001788	k__Bacteri	__Firmicu c__Clostrid
18	0.000392	2.51063	-2.4846	0.117432	6.52E-07	5.83E-05	k__Bacteri	__Firmicu c__Clostrid
19	3.51E-06	2.831068	-2.46616	0.09997	3.43E-07	4.21E-05	k__Bacteri	__Firmicu c__Clostrid
20	0.002735	2.72322	-2.36226	0.667941	0.000159	0.004454	k__Bacteri	__Firmicu c__Clostrid
21	0.001042	3.108973	-2.28071	0.21352	0.001795	0.023217	k__Bacteri	__Bacteroc__Bactero
22	0.002735	2.0217	-2.26957	-1.22206	2.23E-05	0.001241	k__Bacteri	__Firmicu c__Bacilli
23	0.011431	2.311576	-2.19345	0.539811	1.10E-05	0.000676	k__Bacteri	__Firmicu c__Clostrid
24	0.01352	0.833097	2.18087	-0.57112	2.70E-05	0.00135	k__Bacteri	__Firmicu c__Clostrid
25	0.00028	2.298925	-2.16903	-0.98532	3.16E-07	4.21E-05	k__Bacteri	__Firmicu c__Bacilli
26	0.622031	1.305908	2.160254	2.528998	6.20E-07	5.83E-05	k__Bacteri	__Firmicu c__Clostrid
27	1	3.089854	2.074143	4.289697	0.006054	0.04761	k__Bacteri	__Bacteroc__Bactero
28	1	1.629033	2.066635	3.49668	0.003825	0.035811	k__Bacteri	__Firmicu c__Clostrid
29	0.00016	0.012612	2.061783	-1.67208	0.002164	0.026263	k__Bacteri	__Bacteroc__Bactero
30	0.00016	2.258226	-2.05517	0.354047	4.71E-05	0.002013	k__Bacteri	__Firmicu c__Clostrid
31	0.232348	4.735659	-2.04843	2.960483	0.000441	0.009424	k__Bacteri	__Firmicu c__Clostrid
32	0.000913	2.795572	-2.03379	1.48352	2.89E-07	4.21E-05	k__Bacteri	__Firmicu c__Clostrid
33	0.450204	0.774969	2.026592	1.667907	7.59E-05	0.002647	k__Bacteri	__Firmicu c__Clostrid
34	0.131149	3.339503	2.021184	3.902596	0.003974	0.036855	k__Bacteri	__Firmicu c__Clostrid
35	1	5.16326	2.0188	3.015577	5.00E-05	0.002048	k__Bacteri	__Firmicu c__Clostrid
36	0.688475	2.702257	-2.00163	1.724168	0.000853	0.014204	k__Bacteri	__Firmicu c__Clostrid
37	0.552465	6.623038	-1.98594	-1.44117	0.000787	0.013814	k__Bacteri	__Firmicu c__Clostrid
38	0.147378	2.331969	-1.98287	0.422635	0.00055	0.010808	k__Bacteri	__Firmicu c__Clostrid
39	1	0.941891	1.976941	2.118391	0.003727	0.035224	k__Bacteri	__Bacteroc__Bactero
40	0.019999	2.731284	-1.97243	0.535469	0.002427	0.027743	k__Bacteri	__Firmicu c__Clostrid
41	1	3.995513	1.924128	3.514423	0.002323	0.027512	k__Bacteri	__Proteok c__Deltapri
42	1	1.878989	1.913789	0.95138	0.000303	0.007119	k__Bacteri	__Firmicu c__Clostrid
43	0.960186	1.344954	1.881513	3.102889	0.003494	0.034847	k__Bacteri	__Firmicu c__Clostrid
44	1	1.953253	1.862453	2.709463	0.000807	0.013921	k__Bacteri	__Firmicu c__Clostrid
45	1	5.993783	-1.84686	0.422699	2.75E-05	0.00135	k__Bacteri	__Firmicu c__Bacilli
46	0.450204	2.058444	-1.82641	-0.65495	0.000159	0.004454	k__Bacteri	__Firmicu c__Clostrid
47	1	5.306251	1.815556	2.007651	0.00459	0.039928	k__Bacteri	__Firmicu c__Clostrid
48	0.054437	2.305693	-1.81213	0.099986	6.53E-05	0.002378	k__Bacteri	__Firmicu c__Clostrid
49	0.131149	2.099713	-1.78286	-0.24513	0.000418	0.009225	k__Bacteri	__Firmicu c__Clostrid

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2	0.201409	2.772673	-1.77797	0.48652	0.001195	0.01754 k__Bacteriap__Firmicu c__Clostrid
3	1	1.717005	1.759166	1.445963	0.000126	0.003743 k__Bacteriap__Firmicu c__Clostrid
4	1	6.630107	-1.74827	1.620012	0.001189	0.01754 k__Bacteriap__Firmicu c__Bacilli
5	0.038997	1.941108	-1.73938	-1.07964	4.14E-06	0.000304 k__Bacteriap__Firmicu c__Clostrid
6	0.348758	3.784205	-1.73611	0.596937	0.005762	0.046053 k__Bacteriap__Bacteroc__Bactero
7	1	1.435996	1.730876	2.624659	0.003595	0.034847 k__Bacteriap__Firmicu c__Clostrid
8	0.688475	0.47909	1.727539	0.938926	0.002658	0.029026 k__Bacteriap__Firmicu c__Clostrid
9	0.485299	4.200388	-1.72297	0.3447	0.00622	0.048146 k__Bacteriap__Firmicu c__Clostrid
10	0.032414	2.673439	-1.70915	-0.8474	0.00092	0.014633 k__Bacteriap__Firmicu c__Clostrid
11	0.450204	4.237914	-1.70415	3.005496	0.006164	0.048089 k__Bacteriap__Bacteroc__Bactero
12	0.762	2.739064	-1.6967	1.588459	0.000633	0.012014 k__Bacteriap__Firmicu c__Clostrid
13	0.017104	2.413396	-1.67713	-0.97815	9.16E-05	0.002919 k__Bacteriap__Firmicu c__Clostrid
14	0.762	3.309929	-1.66611	0.717166	0.000499	0.010015 k__Bacteriap__Firmicu c__Clostrid
15	1	0.878073	1.642281	2.140049	0.000923	0.014633 k__Bacteriap__Bacteroc__Bactero
16	0.069394	2.564696	-1.62975	0.728062	0.000744	0.013305 k__Bacteriap__Firmicu c__Clostrid
17	0.025436	2.079683	-1.60537	1.203332	0.001678	0.022297 k__Bacteriap__Firmicu c__Clostrid
18	0.131149	1.174185	1.598588	-0.85319	3.96E-05	0.001788 Unassigned NA NA
19	1	1.85512	1.596548	2.153541	0.001193	0.01754 k__Bacteriap__Bacteroc__Bactero
20	0.137932	4.40685	-1.57974	0.764556	0.004928	0.041416 k__Bacteriap__Firmicu c__Clostrid
21	1	2.057691	-1.57785	-0.72813	4.33E-06	0.000304 k__Bacteriap__Bacteroc__Bactero
22	1	1.108252	1.539605	2.046144	0.003645	0.034847 k__Bacteriap__Bacteroc__Bactero
23	1	4.781188	-1.49344	-0.41412	0.003571	0.034847 k__Bacteriap__Firmicu c__Clostrid
24	0.218489	3.289046	-1.49257	1.696285	0.002376	0.027619 k__Bacteriap__Firmicu c__Clostrid
25	1	0.929377	1.488658	1.206534	0.001647	0.022297 k__Bacteriap__Firmicu c__Clostrid
26	0.019999	1.905469	-1.46643	-0.01607	0.001879	0.023939 k__Bacteriap__Firmicu c__Clostrid
27	0.450204	1.125694	1.46291	1.820013	0.000192	0.004958 k__Bacteriap__Bacteroc__Bactero
28	1	2.158926	-1.4448	0.433088	9.88E-05	0.003035 k__Bacteriap__Bacteroc__Bactero
29	0.806087	3.592703	-1.44032	-0.87274	0.001713	0.022455 k__Bacteriap__Firmicu c__Clostrid
30	1	4.53884	1.432819	0.074116	0.004958	0.041416 k__Bacteriap__Firmicu c__Clostrid
31	1	4.920922	-1.42792	-0.7967	5.86E-05	0.002217 k__Bacteriap__Bacteroc__Bactero
32	0.450204	1.832964	-1.40342	-0.94016	0.000651	0.012077 k__Bacteriap__Firmicu c__Clostrid
33	1	1.267472	1.393474	0.970069	0.004927	0.041416 k__Bacteriap__Bacteroc__Bactero
34	0.960186	1.691584	1.38581	2.223494	0.004174	0.037641 k__Bacteriap__Bacteroc__Bactero
35	0.450204	2.509374	-1.38156	0.013418	0.00028	0.006887 k__Bacteriap__Firmicu c__Clostrid
36	1	4.704203	-1.38006	3.014693	0.002533	0.028293 k__Bacteriap__Firmicu c__Clostrid
37	0.806087	2.133971	-1.37854	0.378511	5.78E-05	0.002217 k__Bacteriap__Proteokc__Gamma
38	1	3.308727	-1.36029	1.095124	0.002743	0.029304 k__Bacteriap__Firmicu c__Clostrid
39	1	2.560757	-1.36024	1.288568	0.000978	0.015265 k__Bacteriap__Bacteroc__Bactero
40	0.299584	1.855163	-1.35093	-0.64327	0.000486	0.009954 k__Bacteriap__Firmicu c__Clostrid
41	1	1.636615	1.30514	1.536382	0.004969	0.041416 k__Bacteriap__Firmicu c__Clostrid
42	1	1.211739	1.298971	1.78809	0.001273	0.018141 k__Bacteriap__Firmicu c__Clostrid
43	0.009749	1.552998	-1.29666	0.068833	0.000171	0.004676 k__Bacteriap__Firmicu c__Bacilli
44	0.960186	0.799353	1.286305	1.974758	0.001517	0.020998 k__Bacteriap__Firmicu c__Clostrid
45	1	6.642419	-1.26578	0.092815	0.004062	0.03732 k__Bacteriap__Firmicu c__Clostrid
46	0.005117	1.972773	-1.24018	0.800286	0.000465	0.009736 k__Bacteriap__Firmicu c__Clostrid
47	1	1.911437	1.224797	2.813365	0.005616	0.045253 k__Bacteriap__Firmicu c__Clostrid
48	0.485299	3.005349	-1.22304	0.9175	0.000636	0.012014 k__Bacteriap__Actinobc__Corioba
49	1	1.657183	1.222992	1.002165	0.004147	0.037641 k__Bacteriap__Bacteroc__Bactero
50	0.093755	1.68194	-1.22275	2.053698	0.002388	0.027619 k__Bacteriap__Firmicu c__Clostrid
51	0.920248	2.077937	1.220416	-0.25405	0.003651	0.034847 k__Bacteriap__Proteokc__Epsilon
52	0.232348	1.892648	-1.20461	-0.93554	0.000304	0.007119 k__Bacteriap__Firmicu c__Clostrid
53	0.218489	2.163402	-1.18633	0.488689	0.001908	0.023939 k__Bacteriap__Firmicu c__Clostrid

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2	1	1.271038	1.174884	1.856133	0.000706	0.012853	k__Bacteriap__Bacteroc__Bactero
3	0.450204	3.555235	-1.17169	-0.42884	0.005309	0.043487	k__Bacteriap__Bacteroc__Bactero
4	1	1.76382	1.169704	1.528983	0.001327	0.018638	k__Bacteriap__Proteokc__Deltapri
5	1	1.005014	1.164155	1.415719	0.003088	0.032639	k__Bacteriap__Firmicu c__Clostrid
6	0.37253	1.820968	-1.10147	1.557606	0.003304	0.034187	k__Bacteriap__Firmicu c__Clostrid
7	1	1.374509	-1.08337	-0.41295	0.000422	0.009225	k__Bacteriap__Bacteroc__Bactero
8	0.423498	0.717278	1.077729	0.010717	0.003584	0.034847	k__Bacteriap__Bacteroc__Bactero
9	1	1.908987	-1.0667	-1.31977	0.005891	0.046698	k__Bacteriap__Actinobc__Corioba
10	0.450204	2.052982	1.064689	2.486439	0.004972	0.041416	k__Bacteriap__Firmicu c__Clostrid
11	0.552465	2.563139	-1.05307	0.613195	0.003476	0.034847	k__Bacteriap__Firmicu c__Bacilli
12	1	2.048258	-1.05303	-0.58049	0.002284	0.027376	k__Bacteriap__Bacteroc__Bactero
13	0.16186	1.619176	-1.04916	1.067839	0.000897	0.014633	k__Bacteriap__Bacteroc__Bactero
14	1	0.822788	1.046823	1.354557	0.004568	0.039928	k__Bacteriap__Firmicu c__Clostrid
15	0.036411	1.818988	-0.99033	0.145525	0.000352	0.008055	k__Bacteriap__Firmicu c__Bacilli
16	0.450204	1.833709	-0.98589	0.355968	0.001661	0.022297	k__Bacteriap__Firmicu c__Clostrid
17	0.093755	1.123504	-0.96829	-0.29431	0.000826	0.014001	k__Bacteriap__Proteokc__Gamma
18	1	1.518654	0.959849	1.96837	0.005303	0.043487	k__Bacteriap__Firmicu c__Clostrid
19	1	1.230013	0.945697	1.386296	0.004479	0.039928	k__Bacteriap__Bacteroc__Bactero
20	1	1.851579	-0.89317	-0.25045	0.001924	0.023939	k__Bacteriap__Bacteroc__Bactero
21	0.688475	1.204231	-0.88226	-1.35746	0.003177	0.033224	k__Bacteriap__Bacteroc__Bactero
22	0.324655	1.111309	-0.85515	-0.82525	0.002463	0.027834	UnassignedNA NA
23	1	0.833748	0.846809	1.086181	0.002643	0.029026	k__Bacteriap__Bacteroc__Bactero
24	0.688475	1.630443	-0.84269	1.307919	0.002067	0.025392	k__Bacteriap__Firmicu c__Clostrid
25	0.806087	1.134601	0.807385	0.950273	0.005473	0.044466	k__Bacteriap__Firmicu c__Clostrid
26	1	2.609383	-0.77673	0.253845	0.001225	0.017702	k__Bacteriap__Bacteroc__Bactero
27	0.806087	0.908598	0.760418	1.247701	0.004511	0.039928	k__Bacteriap__Firmicu c__Clostrid
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Order	Family	Genus	Species	
o__Bacterof__	[Parapreg__	[Prevot	s__	
o__Lactobaf__	Lactoba	g__Lactoba	s__	
o__Clostridf__	Ruminoi	g__	s__	
o__Clostridf__	Lachnos	g__	s__	
o__Bacterof__	[Parapreg__		s__	
o__Bacterof__	Bacteroi	g__Bactero	s__barnesia	
o__Bacterof__	S24-7	g__	s__	
o__Spirochf__	Spiroch	g__Trepon	s__	
o__Bacterof__	Prevotel	g__Prevote	s__	
o__Lactobaf__	Streptoc	g__Strepto	s__	
o__Pasteurf__	Pasteur	g__Actinob	s__	
o__Clostridf__		g__	s__	
o__Clostridf__	Ruminoi	g__	s__	
o__Lactobaf__	Lactoba	g__Lactoba	s__	
o__Aeromcf__	Succiniv	g__Succiniv	s__	
o__Clostridf__		g__	s__	
o__Clostridf__	Lachnos	g__Coprocc	s__	
o__Clostridf__	Lachnos	g__	s__	
o__Clostridf__	Lachnos	NA	NA	
o__Clostridf__	Lachnos	g__	s__	
o__Bacterof__	S24-7	g__	s__	
o__Lactobaf__	Streptoc	g__Strepto	s__	
o__Clostridf__		g__	s__	
o__Clostridf__	Ruminoi	g__	s__	
o__Lactobaf__	Lactoba	g__Lactoba	s__	
o__Clostridf__		g__	s__	
o__Bacterof__	Porphyrg		Paludib	s__
o__Clostridf__		g__	s__	
o__Bacterof__	[Odorib	g__Butyrici	s__	
o__Clostridf__	[Mogibag		Anaero	s__
o__Clostridf__	Lachnos	g__	s__	
o__Clostridf__	Lachnos	g__Coprocc	s__	
o__Clostridf__		g__	s__	
o__Clostridf__	Veilloneg		Anaero	s__
o__Clostridf__	Ruminoi	g__	s__	
o__Clostridf__	Ruminoi	g__	s__	
o__Clostridf__	Ruminoi	g__	s__	
o__Clostridf__	Ruminoi	g__	s__	
o__Bacterof__		g__	s__	
o__Clostridf__	Lachnos	g__Coprocc	s__	
o__GMD14f__		g__	s__	
o__Clostridf__	Ruminoi	g__	s__	
o__Clostridf__		g__	s__	
o__Clostridf__	Ruminoi	g__	s__	
o__Lactobaf__	Lactoba	g__Lactoba	s__	
o__Clostridf__		g__	s__	
o__Clostridf__	Veilloneg		Anaero	s__
o__Clostridf__		g__	s__	
o__Clostridf__		g__	s__	

1 o__Clostridf__Christeng__ s__
 2 o__Clostridf__ g__ s__
 3 o__Lactobaf__Lactobag__Lactobas__
 4 o__Clostridf__ g__ s__
 5 o__Bacterof__[Parapreg__YRC22 s__
 6 o__Clostridf__Lachnosg__ s__
 7 o__Clostridf__Ruminoig__ s__
 8 o__Clostridf__ g__ s__
 9 o__Clostridf__ g__ s__
 10 o__Bacterof__[Parapreg__CF231 s__
 11 o__Clostridf__Lachnosg__Coproccs__
 12 o__Clostridf__Lachnosg__[Ruminos__
 13 o__Clostridf__Lachnosg__Coproccs__
 14 o__Bacterof__Porphyrg__Paludibis__
 15 o__Clostrid NA NA NA
 16 o__Clostridf__Ruminoig__ s__
 17 NA NA NA NA
 18 o__Bacterof__Prevotelg__Prevotes__
 19 o__Clostridf__Clostridig__ s__
 20 o__Bacterof__[Parapreg__[Prevotis__
 21 o__Bacterof__RF16 g__ s__
 22 o__Clostridf__Ruminoig__ s__
 23 o__Clostridf__Lachnosg__ s__
 24 o__Clostridf__Lachnosg__ s__
 25 o__Clostridf__Lachnosg__ s__
 26 o__Bacterof__ g__ s__
 27 o__Bacterof__Prevotelg__Prevotes__copri
 28 o__Clostridf__Lachnosg__ s__
 29 o__Clostridf__Veilloneg__Anaeross__
 30 o__Bacterof__S24-7 g__ s__
 31 o__Clostridf__Lachnosg__[Ruminos__
 32 o__Bacterof__Porphyrg__Parabacs__
 33 o__Bacterof__Bacteroig__Bacteros__
 34 o__Clostridf__Clostridi NA NA
 35 o__Clostridf__Ruminoig__ s__
 36 o__Aeromcf__Succinivg__Succinivs__
 37 o__Clostridf__ g__ s__
 38 o__Bacterof__Prevotelg__Prevotes__copri
 39 o__Clostridf__Lachnosg__Coproccs__
 40 o__Clostridf__Lachnos NA NA
 41 o__Clostridf__ g__ s__
 42 o__Lactobaf__Lactobag__Lactobas__
 43 o__Clostridf__Ruminoig__Ruminos__flavefaciens
 44 o__Clostridf__Lachnosg__ s__
 45 o__Clostridf__Lachnosg__Dorea s__
 46 o__Clostridf__ g__ s__
 47 o__Coriobaf__Coriobag__ s__
 48 o__Bacterof__S24-7 g__ s__
 49 o__Clostridf__Ruminoig__Ruminos__
 50 o__Campylf__Campylg__Campyls__
 51 o__Clostridf__[Mogibag__ s__
 52 o__Clostridf__Lachnosg__ s__

1 o__Bacterof__[Parapreg__[Prevotıs__
 2 o__Bacterof__Prevotelg__Prevotes__copri
 3 o__Desulfof__Desulfofg__ s__
 4 o__Clostridf__ g__ s__
 5 o__Clostridf__Ruminoıg__ s__
 6 o__Bacterof__[Parapreg__[Prevotıs__
 7 o__Bacterof__[Parapreg__[Prevotıs__
 8 o__Coriobaf__Coriobaıg__ s__
 9 o__Clostridf__ g__ s__
 10 o__Lactobaf__Lactobaıg__Lactobas__
 11 o__Bacterof__S24-7 g__ s__
 12 o__Bacterof__[Parapreg__[Prevotıs__
 13 o__Clostridf__Lachnosg__ s__
 14 o__Lactobaf__Lactobaıg__Lactobas__
 15 o__Clostridf__Lachnosg__Lachnosıs__
 16 o__Aeromcf__Succinivg__Succinivıs__
 17 o__Clostridf__Ruminoıg__ s__
 18 o__Bacterof__Prevotelg__Prevotes__copri
 19 o__Bacterof__[Parapreg__[Prevotıs__
 20 o__Bacterof__S24-7 g__ s__
 21 NA NA NA NA
 22 o__Bacterof__Prevotelg__Prevotes__copri
 23 o__Clostridf__ g__ s__
 24 o__Clostridf__Lachnosg__ s__
 25 o__Bacterof__ g__ s__
 26 o__Clostridf__Ruminoıg__ s__
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Table S10: Differentially abundant (DA) OTUs when comparing P (parenteral administrated) vs. O (oral)

OTU	+samples i	+samples i	counts in g	counts in g	oddsRatio	lower	upper	fisherP
New.Cleanl	6	5	604	63	1.195355	0.251331	5.937938	1
355697	11	16	802	1128	0.378394	0.093562	1.419554	0.142454
New.Referc	15	10	2490	140	2.130432	0.582881	8.175768	0.247648
198552	1	10	2	238	0.059907	0.001255	0.502671	0.001797
4306043	12	0	133	0	Inf	4.2057	Inf	7.76E-05
581474	18	21	62	842	0.293142	0.025871	1.907103	0.244816
812596	24	18	4533	1584	Inf	1.053166	Inf	0.021936
856253	5	13	59	1383	0.210105	0.044642	0.851202	0.017128
99414	2	12	3	365	0.088262	0.008205	0.497697	0.001349
924224	10	10	121	1024	0.930038	0.250814	3.4376	1
366584	22	21	408	2769	1.046601	0.069913	15.66846	1
46910	8	18	23	429	0.145803	0.030102	0.597157	0.003157
New.Referc	0	13	0	112	0	0	0.178331	8.13E-06
531052	7	16	37	733	0.187707	0.042648	0.732305	0.008672
New.Referc	16	9	2737	167	3.032859	0.815327	12.15066	0.08198
353214	4	11	12	416	0.225791	0.042407	0.980721	0.030477
470382	3	12	6	194	0.137283	0.020523	0.653032	0.00499
306124	8	4	510	5	2.33163	0.507725	12.64004	0.317659
New.Referc	1	15	49	270	0.025515	0.000535	0.21191	8.48E-06
New.Referc	0	10	0	247	0	0	0.299952	0.000221
305187	17	18	231	937	0.680282	0.140693	3.058911	0.739967
New.Cleanl	18	6	352	64	8.04675	1.954581	38.92257	0.001243
New.Referc	3	14	4	85	0.09745	0.014395	0.464393	0.000782
1084643	6	12	15	149	0.313743	0.073021	1.220527	0.075346
New.Referc	10	13	48	1058	0.556596	0.147803	2.019772	0.386809
10945	11	18	45	311	0.242888	0.052248	0.976504	0.035512
753891	8	14	217	867	0.329722	0.0823	1.226502	0.08198
New.Referc	12	20	62	578	0.156549	0.023533	0.740228	0.011361
332831	10	19	237	898	0.157251	0.029473	0.673084	0.006484
40798	24	18	822	284	Inf	1.053166	Inf	0.021936
532771	10	15	38	735	0.389158	0.098913	1.43555	0.146807
300235	24	20	7860	2329	Inf	0.443794	Inf	0.10922
539202	11	13	609	121	0.656924	0.176612	2.378916	0.563923
New.Referc	7	4	8	33	1.928252	0.404018	10.64184	0.493621
276561	16	4	192	33	8.97406	2.062922	49.2688	0.001022
843459	9	17	22	168	0.21956	0.05012	0.853736	0.01893
515590	24	23	455	2068	0	0	Inf	1
553352	8	20	8	130	0.080196	0.01172	0.383876	0.000275
1110378	21	18	1138	257	1.917211	0.320659	14.09428	0.461397
1068116	9	2	236	4	6.062685	1.041236	65.6771	0.03633
577206	22	16	1028	219	4.657209	0.751966	51.74074	0.072265
New.Referc	5	9	8	86	0.417365	0.088699	1.757139	0.212385
551902	7	17	39	192	0.15242	0.032967	0.61078	0.00341
25453	6	12	76	221	0.313743	0.073021	1.220527	0.075346
New.Referc	5	14	18	216	0.176499	0.037055	0.718034	0.007664
1951826	6	4	41	8	1.567958	0.310975	8.877413	0.723793
319818	10	14	258	389	0.467044	0.121848	1.703605	0.247648
509416	1	12	5	76	0.042739	0.000901	0.35282	0.000257
510286	9	3	92	8	3.883293	0.78956	26.163	0.093308

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2	577406	3	11	7	75	0.162537	0.024258	0.778068	0.011361
3	581201	7	18	17	133	0.120886	0.024287	0.503941	0.001185
4	179806	7	15	49	356	0.227528	0.053478	0.872206	0.019855
5	570341	7	8	15	477	0.776338	0.18814	3.132097	0.760109
6	527413	13	8	141	14	2.177815	0.591441	8.473911	0.244315
7	192079	20	11	179	30	5.245648	1.215392	27.95219	0.014547
8	361727	2	10	4	51	0.123818	0.011461	0.710525	0.007841
9	301280	18	20	393	930	0.457618	0.06446	2.529743	0.461397
10	72926	24	23	2474	840	0	0	Inf	1
11	870421	20	19	223	933	1.051509	0.169522	6.52293	1
12	516159	20	21	312	641	0.483587	0.039586	3.8118	0.666172
13	New.Refer	7	3	37	5	2.687356	0.512614	18.62434	0.286466
14	364736	3	10	5	58	0.192767	0.028716	0.933513	0.024301
15	366716	2	10	5	41	0.123818	0.011461	0.710525	0.007841
16	355175	10	7	201	31	1.615574	0.420161	6.514702	0.546873
17	New.Refer	23	18	1642	433	6.164933	0.611518	314.4661	0.097147
18	584263	4	12	26	148	0.190634	0.035775	0.82278	0.014547
19	New.Refer	17	19	182	741	0.518604	0.093969	2.475135	0.493621
20	New.Refer	8	5	87	10	1.777545	0.411222	8.437403	0.517082
21	549756	3	14	4	52	0.09745	0.014395	0.464393	0.000782
22	517344	24	23	3328	1405	0	0	Inf	1
23	354461	0	10	0	22	0	0	0.299952	0.000221
24	366623	4	13	8	54	0.160808	0.029972	0.693135	0.006484
25	43544	21	20	1076	539	1.048932	0.125257	8.785856	1
26	804526	15	13	46	179	1.275261	0.342414	4.824108	0.77016
27	New.Refer	8	2	66	6	5.073439	0.84964	55.43053	0.072265
28	540862	10	6	100	26	1.993366	0.504042	8.512001	0.358723
29	532232	2	12	2	42	0.088262	0.008205	0.497697	0.001349
30	4333897	7	4	41	13	1.928252	0.404018	10.64184	0.493621
31	70580	6	6	22	54	0.945623	0.206749	4.320736	1
32	655793	24	22	3233	1364	Inf	0.026756	Inf	0.489362
33	290804	15	19	53	181	0.358856	0.067027	1.603325	0.193019
34	337057	4	12	18	81	0.190634	0.035775	0.82278	0.014547
35	523934	10	16	35	136	0.320752	0.07851	1.205276	0.07977
36	4307122	4	10	22	915	0.267884	0.050183	1.177362	0.059884
37	195465	13	6	55	10	3.259338	0.84478	13.93684	0.075346
38	295100	3	9	5	32	0.229619	0.03396	1.132039	0.048991
39	292585	3	9	6	45	0.229619	0.03396	1.132039	0.048991
40	New.Refer	7	14	39	130	0.272886	0.065559	1.035035	0.041464
41	526583	18	17	124	349	1.057503	0.231442	4.836781	1
42	291543	19	13	149	44	2.855063	0.691	13.34103	0.124581
43	New.Refer	7	7	44	15	0.942415	0.224173	3.956757	1
44	350666	16	12	191	71	1.809522	0.485403	7.036843	0.380129
45	349257	19	10	111	23	4.759523	1.174809	22.40022	0.017128
46	New.Refer	17	6	46	51	6.560812	1.637252	30.33325	0.00341
47	772282	6	7	8	390	0.766343	0.172087	3.309385	0.751642
48	782953	8	5	64	17	1.777545	0.411222	8.437403	0.517082
49	New.Refer	11	3	42	6	5.430091	1.139433	36.15504	0.024301
50	322505	23	18	355	108	6.164933	0.611518	314.4661	0.097147
51	296094	20	17	191	400	1.743412	0.345761	9.883938	0.493621
52	324244	23	20	405	831	3.365637	0.247461	188.6277	0.347518
53	New.Refer	3	7	19	19	0.33442	0.048167	1.754854	0.168092

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2	408513	24	21	449	173	Inf	0.197543	Inf	0.234043
3	578588	14	17	43	140	0.501664	0.117481	1.983962	0.358723
4	851865	23	20	409	159	3.365637	0.247461	188.6277	0.347518
5	25842	12	14	107	51	0.64899	0.172421	2.369425	0.561215
6	New.Refer	11	5	55	15	2.972773	0.731073	13.7663	0.124581
7	799443	17	19	92	247	0.518604	0.093969	2.475135	0.493621
8	555945	8	15	20	82	0.274825	0.066922	1.033521	0.04222
9	588216	10	4	57	8	3.304228	0.753996	17.55081	0.110718
10	621472	19	12	162	54	3.387541	0.829896	15.79507	0.068707
11	343831	4	8	4	25	0.383019	0.070474	1.761034	0.193019
12	New.Refer	11	5	24	27	2.972773	0.731073	13.7663	0.124581
13	New.Refer	7	11	19	53	0.457099	0.112925	1.738215	0.237524
14	369429	6	14	15	70	0.222117	0.050587	0.866989	0.01893
15	306315	12	8	64	16	1.849762	0.500858	7.154098	0.380129
16	290322	5	9	17	52	0.417365	0.088699	1.757139	0.212385
17	New.Refer	10	7	51	11	1.615574	0.420161	6.514702	0.546873
18	347226	8	13	13	59	0.39282	0.099633	1.454215	0.146807
19	304154	8	9	56	15	0.781966	0.199678	3.007657	0.766128
20	51306	19	15	225	91	1.996127	0.461402	9.501345	0.341163
21	New.Clean	8	8	14	29	0.938806	0.236887	3.71368	1
22	New.Refer	9	6	15	22	1.68079	0.416579	7.234206	0.53433
23	340761	12	5	30	6	3.499155	0.867408	16.20154	0.068707
24	837859	11	4	49	12	3.898213	0.901316	20.62247	0.059884
25	New.Refer	3	11	5	33	0.162537	0.024258	0.778068	0.011361
26	185961	22	19	133	60	2.275414	0.288636	27.80484	0.415801
27	New.Refer	11	8	40	17	1.570891	0.421974	6.06699	0.555643
28	181170	18	7	42	8	6.538589	1.630053	30.24963	0.00341
29	827702	11	13	29	76	0.656924	0.176612	2.378916	0.563923
30	New.Refer	20	19	58	121	1.051509	0.169522	6.52293	1
31	New.Refer	13	3	30	6	7.511272	1.594112	50.10107	0.00499
32	359175	11	6	30	8	2.352341	0.602887	10.01131	0.227018
33	New.Refer	14	6	43	8	3.843958	0.994904	16.5897	0.03921
34	New.Refer	9	5	28	8	2.124641	0.505463	9.957889	0.341163
35	807795	14	16	34	84	0.618975	0.153499	2.380042	0.546873
36	New.Refer	13	12	63	31	1.081489	0.296843	3.95693	1
37	733799	22	20	217	367	1.632591	0.168619	21.43219	0.666172
38	New.Refer	17	8	62	17	4.395059	1.146518	18.69934	0.019855
39	525215	15	14	73	29	1.069847	0.281828	4.070736	1
40	New.Refer	18	13	69	24	2.266092	0.571883	9.72934	0.227018
41	302975	7	14	12	34	0.272886	0.065559	1.035035	0.041464
42	189083	8	14	11	31	0.329722	0.0823	1.226502	0.08198
43	701221	19	15	87	45	1.996127	0.461402	9.501345	0.341163
44	New.Clean	18	12	50	21	2.689397	0.687018	11.52343	0.135095
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al administrated) group at T1. DA OTUs were used to be plotted in the Venn diagram (Figure 2).

	fisherAdjP	(Intercept)	ATB_GRO	UnnormFacto	pvalues	adjPvalues	Kingdom	Phylum	Class
1	6.402141	-3.4934	1.534522	9.19E-07	8.89E-05	k__Bacteri	__Bacteroc	Bactero	
0.626653	1.882195	3.417066	1.760865	7.12E-07	7.76E-05	k__Bacteri	__Firmicu c__	Clostrid	
0.739887	4.772914	-3.18182	-0.46523	0.000143	0.003851	Unassigned	NA	NA	
0.102347	0.306647	3.150642	1.648688	2.30E-07	4.61E-05	k__Bacteri	__Firmicu c__	Clostrid	
0.025048	3.079809	-2.93774	0.32693	3.31E-07	5.33E-05	k__Bacteri	__Bacteroc	Bactero	
0.739887	1.907927	2.898582	1.352857	4.47E-11	4.33E-08	k__Bacteri	__Firmicu c__	Bacilli	
0.303965	6.769573	-2.86172	1.761351	8.66E-05	0.002705	k__Bacteri	__Firmicu c__	Clostrid	
0.286856	1.156341	2.805973	1.183724	0.000496	0.008328	k__Bacteri	__Spiroch c__	Spirocha	
0.081604	0.332925	2.802405	0.2851	4.52E-06	0.000365	k__Bacteri	__Firmicu c__	Clostrid	
1	1.950231	2.691372	1.819861	0.000137	0.003802	k__Bacteri	__Spiroch c__	Spirocha	
1	3.307522	2.650817	-3.18238	4.90E-07	6.77E-05	k__Bacteri	__Firmicu c__	Clostrid	
0.157173	0.97534	2.649506	-0.94251	2.37E-07	4.61E-05	k__Bacteri	__Firmicu c__	Clostrid	
0.004105	-0.04008	2.539007	-0.86063	2.38E-07	4.61E-05	k__Bacteri	__Firmicu c__	Clostrid	
0.215247	1.42218	2.532012	1.339672	7.90E-05	0.002638	k__Bacteri	__Firmicu c__	Clostrid	
0.4991	4.407602	-2.52328	1.372503	0.003342	0.032351	k__Bacteri	__Bacteroc	Bactero	
0.368766	0.725053	2.488272	0.682617	0.000189	0.004258	k__Bacteri	__Firmicu c__	Clostrid	
0.172504	0.54376	2.399173	1.23878	1.02E-05	0.000657	k__Bacteri	__Firmicu c__	Clostrid	
0.841419	2.819489	-2.18855	0.744562	0.000333	0.006588	k__Bacteri	__Firmicu c__	Clostrid	
0.004105	0.824696	2.179887	0.589996	0.000871	0.012398	k__Bacteri	__Bacteroc	Bactero	
0.038038	0.084461	2.15589	1.833379	0.000179	0.004234	k__Bacteri	__Proteok c__	Alphapr	
0.986161	2.415909	2.139089	1.473777	0.000102	0.003091	k__Bacteri	__Firmicu c__	Clostrid	
0.081604	3.330515	-2.13648	0.291105	0.000386	0.007053	k__Bacteri	__Bacteroc	Bactero	
0.075689	0.396034	1.999997	0.641473	7.21E-07	7.76E-05	k__Bacteri	__Bacteroc	Bactero	
0.4991	1.051609	1.983655	1.457104	4.93E-06	0.000367	k__Bacteri	__Firmicu c__	Clostrid	
0.841419	1.553612	1.981347	1.757705	0.002464	0.026211	k__Bacteri	__Proteok c__	Deltapr	
0.374118	1.736893	1.981072	-0.62903	1.96E-06	0.000173	k__Bacteri	__Proteok c__	Epsilonpr	
0.4991	2.216649	1.96831	2.162975	0.004174	0.035757	k__Bacteri	__Firmicu c__	Clostrid	
0.249953	2.088233	1.954648	0.300206	6.13E-05	0.002312	k__Bacteri	__Bacteroc	Bactero	
0.202465	2.503265	1.886446	1.457277	0.003254	0.031948	k__Bacteri	__Firmicu c__	Clostrid	
0.303965	4.748904	-1.85938	0.727171	7.65E-05	0.002638	k__Bacteri	__Firmicu c__	Clostrid	
0.626653	1.533973	1.83121	3.184505	0.000374	0.006964	k__Bacteri	__Firmicu c__	Clostrid	
0.576208	7.420868	-1.82622	1.066335	0.003673	0.033229	k__Bacteri	__Firmicu c__	Clostrid	
0.909797	3.35704	-1.82531	3.836133	0.0026	0.027066	k__Bacteri	__Firmicu c__	Clostrid	
0.909797	0.664305	1.824247	-0.07299	0.000121	0.003501	k__Bacteri	__Bacteroc	Bactero	
0.081604	3.078862	-1.79498	-0.39211	0.000587	0.009164	k__Bacteri	__Firmicu c__	Clostrid	
0.286856	1.132957	1.794953	0.437166	7.01E-06	0.000485	k__Bacteri	__Firmicu c__	Clostrid	
1	3.649563	1.790585	-0.57164	0.000288	0.005936	k__Bacteri	__Bacteroc	Bactero	
0.038038	0.711852	1.776333	0.929898	8.57E-08	4.15E-05	k__Bacteri	__Firmicu c__	Bacilli	
0.909797	4.785581	-1.7685	0.787149	0.000723	0.01077	k__Bacteri	__Firmicu c__	Clostrid	
0.374118	2.135149	-1.74668	-0.34706	0.002796	0.028196	k__Bacteri	__Bacteroc	Bactero	
0.4991	4.853464	-1.72977	1.258829	0.000168	0.004077	k__Bacteri	__Firmicu c__	Clostrid	
0.739887	0.647927	1.72309	0.982912	8.29E-05	0.002676	k__Bacteri	__Firmicu c__	Clostrid	
0.157173	1.361403	1.719998	-0.0444	0.000185	0.004258	k__Bacteri	__Firmicu c__	Clostrid	
0.4991	1.713106	1.719263	0.261941	0.002453	0.026211	k__Bacteri	__Deferri c__	Deferrik	
0.215247	1.037789	1.707655	1.294877	0.000655	0.009901	k__Bacteri	__Firmicu c__	Clostrid	
0.986161	2.015853	-1.69463	-1.13334	0.000123	0.003501	k__Bacteri	__Proteok c__	Gamma	
0.739887	2.240698	1.692496	2.776846	0.000917	0.012675	k__Bacteri	__Firmicu c__	Clostrid	
0.038038	0.398286	1.68193	1.065072	0.000159	0.00404	k__Bacteri	__Firmicu c__	Clostrid	
0.554122	2.269886	-1.67991	0.662319	0.000586	0.009164	k__Bacteri	__Firmicu c__	Clostrid	

1							
2	0.249953	0.574346	1.669057	0.064996	0.000154	0.00402	k__Bacteriap__Firmicu c__Clostrid
3	0.081604	1.009759	1.655523	0.386445	1.49E-05	0.000758	k__Bacteriap__Firmicu c__Clostrid
4	0.286856	1.521015	1.641603	-1.22681	0.003907	0.034697	k__Bacteriap__Bacteroc__Bactero
5	0.986161	0.777341	1.629754	1.855816	0.003631	0.033164	k__Bacteriap__Firmicu c__Clostrid
6	0.739887	2.55866	-1.61988	0.591493	0.000168	0.004077	k__Bacteriap__Firmicu c__Clostrid
7	0.286856	2.895401	-1.61237	0.771647	1.34E-05	0.000722	k__Bacteriap__Firmicu c__Clostrid
8	0.215247	0.406017	1.610298	0.605025	5.88E-05	0.002312	k__Bacteriap__Firmicu c__Clostrid
9	0.909797	3.592456	1.601203	0.199451	0.000538	0.008822	k__Bacteriap__Firmicu c__Clostrid
10							
11	1	5.991532	-1.58408	0.689066	0.001347	0.016931	k__Bacteriap__Firmicu c__Clostrid
12	1	2.883441	1.580812	1.609235	0.000833	0.012028	k__Bacteriap__Firmicu c__Clostrid
13							
14	0.986161	2.352025	1.562521	-1.5285	0.005101	0.039822	k__Bacteriap__Proteokc__Gamma
15	0.841419	2.474791	-1.5596	0.442035	0.000405	0.00712	k__Bacteriap__Bacteroc__Bactero
16	0.313644	0.519983	1.55315	0.975359	6.61E-05	0.002369	k__Bacteriap__Firmicu c__Clostrid
17	0.215247	0.404753	1.526433	-0.10447	5.26E-05	0.002312	k__Bacteriap__Firmicu c__Clostrid
18	0.909797	2.846573	-1.49775	1.155452	0.005485	0.04116	k__Bacteriap__Firmicu c__Clostrid
19	0.566494	5.266879	-1.48519	1.993591	0.004983	0.039218	k__Bacteriap__Firmicu c__Clostrid
20	0.286856	1.145896	1.484789	-0.05135	0.00534	0.040703	k__Bacteriap__Firmicu c__Clostrid
21	0.909797	2.803725	1.473266	-0.66794	0.005168	0.040019	k__Bacteriap__Bacteroc__Bactero
22	0.909797	2.230156	-1.46687	0.72349	0.001706	0.020642	k__Bacteriap__Firmicu c__Clostrid
23	0.075689	0.461764	1.461509	0.428615	1.21E-05	0.000689	k__Bacteriap__Firmicu c__Bacilli
24							
25	1	6.412459	-1.41622	0.530257	0.006422	0.045376	k__Bacteriap__Firmicu c__Clostrid
26	0.038038	0.015506	1.41248	0.301052	1.20E-05	0.000689	k__Bacteriap__Firmicu c__Clostrid
27	0.202465	0.630674	1.402553	-0.16939	4.84E-05	0.002229	k__Bacteriap__Firmicu c__Clostrid
28	1	5.051607	-1.40085	2.016743	0.00488	0.038723	k__Bacteriap__Bacteroc__Bactero
29	0.986161	1.522159	1.39571	1.586516	0.000439	0.007584	k__Bacteriap__Firmicu c__Clostrid
30							
31	0.4991	1.873113	-1.39304	0.847282	0.002683	0.027633	k__Bacteriap__Firmicu c__Clostrid
32	0.841419	2.61623	-1.39014	-0.41636	0.003997	0.03486	k__Bacteriap__Firmicu c__Clostrid
33	0.081604	0.27209	1.388144	0.43009	3.94E-05	0.001906	k__Bacteriap__Firmicu c__Bacilli
34	0.909797	2.429586	-1.37276	-0.47345	0.002245	0.024983	k__Bacteriap__Proteokc__Gamma
35	1	1.581466	1.356593	1.508918	0.001105	0.014703	k__Bacteriap__Proteokc__Gamma
36	0.909797	6.47689	-1.34383	2.577625	0.002962	0.029556	k__Bacteriap__Firmicu c__Clostrid
37							
38	0.738509	1.623961	1.329743	1.451499	6.21E-05	0.002312	k__Bacteriap__Actinobc__Corioba
39	0.286856	0.900704	1.306861	-0.0949	0.003516	0.033164	k__Bacteriap__Firmicu c__Clostrid
40	0.4991	1.324008	1.297705	0.383055	0.001109	0.014703	k__Bacteriap__Firmicu c__Clostrid
41	0.483067	0.882838	1.292168	-3.17056	0.00361	0.033164	k__Bacteriap__Bacteroc__Bactero
42	0.4991	2.069175	-1.28511	0.362722	6.11E-05	0.002312	k__Bacteriap__Firmicu c__Clostrid
43	0.40726	0.463635	1.281748	0.046517	0.000215	0.004635	k__Bacteriap__Firmicu c__Clostrid
44	0.40726	0.56436	1.228464	0.924278	0.00122	0.015965	k__Bacteriap__Firmicu c__Clostrid
45	0.374944	1.537464	1.228219	1.002462	0.002789	0.028196	k__Bacteriap__Firmicu c__Clostrid
46	1	2.081117	1.225393	1.714155	0.006688	0.046575	k__Bacteriap__Firmicu c__Clostrid
47							
48	0.618435	2.794886	-1.22231	0.245177	0.000342	0.006623	k__Bacteriap__Firmicu c__Clostrid
49	1	2.4473	-1.21291	0.194972	0.002101	0.02393	k__Bacteriap__Bacteroc__Bactero
50	0.841419	3.045699	-1.20996	1.421874	0.003632	0.033164	k__Bacteriap__Firmicu c__Clostrid
51	0.286856	2.385438	-1.19115	-0.36788	0.000359	0.006822	k__Bacteriap__Firmicu c__Clostrid
52	0.157173	1.812163	1.160162	0.699826	0.000262	0.005504	k__Bacteriap__Firmicu c__Clostrid
53	0.986161	0.814781	1.153297	-2.7484	0.000405	0.00712	k__Bacteriap__Bacteroc__Bactero
54	0.909797	2.375567	-1.14783	-0.74696	0.006362	0.045285	k__Bacteriap__Proteokc__Gamma
55	0.313644	1.950848	-1.13698	0.231375	0.001977	0.022952	k__Bacteriap__Bacteroc__Bactero
56	0.566494	3.599619	-1.12144	0.804254	0.00107	0.014587	k__Bacteriap__Firmicu c__Clostrid
57	0.909797	2.650982	1.118977	1.706282	0.006316	0.045285	k__Bacteriap__Firmicu c__Clostrid
58							
59	0.841419	3.823567	1.108765	0.53325	0.003267	0.031948	k__Bacteriap__Firmicu c__Clostrid
60	0.680806	0.973884	1.102606	-2.46357	0.006098	0.044383	k__Bacteriap__Bacteroc__Bactero

1							
2	0.739887	3.867421	-1.09222	-0.70348	0.00127	0.016393	k__Bacteriap__Firmicu c__Clostrid
3	0.841419	1.558211	1.0906	0.106551	0.002289	0.025176	k__Bacteriap__Firmicu c__Clostrid
4	0.841419	3.731114	-1.08523	0.476871	0.004736	0.038109	k__Bacteriap__Firmicu c__Clostrid
5	0.909797	2.723157	-1.0766	1.458956	0.001769	0.021143	k__Bacteriap__Firmicu c__Clostrid
6	0.618435	1.967531	-1.07046	0.118835	0.00547	0.04116	k__Bacteriap__Firmicu c__Clostrid
7	0.909797	2.139426	1.068276	2.260118	0.00089	0.012485	k__Bacteriap__Firmicu c__Clostrid
8	0.374944	1.165886	1.056195	1.004866	0.001406	0.0173	k__Bacteriap__Firmicu c__Clostrid
9	0.576208	1.966454	-1.04864	-1.37671	0.004764	0.038109	k__Bacteriap__Proteokc__Gamma
10	0.4991	2.899162	-1.03491	0.349578	0.003725	0.033384	k__Bacteriap__Firmicu c__Clostrid
11	0.738509	0.447186	1.034201	0.695522	0.000747	0.01095	k__Bacteriap__Firmicu c__Clostrid
12	0.618435	1.296912	1.014095	-0.78273	0.004501	0.037239	k__Bacteriap__Bacteroc__Bactero
13	0.739887	1.036051	1.01171	-0.53895	0.003991	0.03486	k__Bacteriap__Bacteroc__Bactero
14	0.286856	0.924407	1.009795	-0.98319	0.002459	0.026211	k__Bacteriap__Firmicu c__Clostrid
15	0.841419	2.27864	-0.99633	0.199631	0.003558	0.033164	k__Bacteriap__Firmicu c__Clostrid
16	0.739887	1.016636	0.995011	1.37911	0.007078	0.048249	k__Bacteriap__Firmicu c__Clostrid
17	0.909797	2.009028	-0.98478	-0.03793	0.004669	0.037977	k__Bacteriap__Bacteroc__Bactero
18	0.626653	0.91768	0.976438	0.683804	0.001804	0.021295	k__Bacteriap__Firmicu c__Clostrid
19	0.986161	1.858998	-0.97607	1.522419	0.00677	0.046813	k__Bacteriap__Firmicu c__Clostrid
20	0.841419	3.30862	-0.97027	0.31756	0.006038	0.044279	k__Bacteriap__Firmicu c__Clostrid
21	1	0.997978	0.969755	0.224042	0.001992	0.022952	k__Bacteriap__Bacteroc__Bactero
22	0.909797	1.046378	0.955688	-0.66164	0.003407	0.032657	k__Bacteriap__Bacteroc__Bactero
23	0.4991	1.693289	-0.95028	0.274595	0.000499	0.008328	k__Bacteriap__Firmicu c__Clostrid
24	0.483067	1.6222	-0.94793	1.913473	0.007267	0.048848	k__Bacteriap__Firmicu c__Clostrid
25	0.249953	0.454801	0.935649	-0.37582	0.004407	0.037239	k__Bacteriap__Bacteroc__Bactero
26	0.896426	2.615257	-0.91958	0.345369	0.000636	0.009766	k__Bacteriap__Firmicu c__Clostrid
27	0.909797	2.041988	-0.90367	-0.88138	0.001412	0.0173	k__Bacteriap__Bacteroc__Bactero
28	0.157173	1.575059	-0.89255	0.438019	0.000332	0.006588	k__Bacteriap__Firmicu c__Clostrid
29	0.909797	1.402738	0.876684	0.82872	0.007255	0.048848	k__Bacteriap__Firmicu c__Clostrid
30	1	1.833694	0.868619	0.915211	0.000215	0.004635	k__Bacteriap__Bacteroc__Bactero
31	0.172504	1.401433	-0.8491	0.534412	0.00449	0.037239	k__Bacteriap__Firmicu c__Clostrid
32	0.739887	1.550671	-0.84498	0.527429	0.002534	0.026661	k__Bacteriap__Firmicu c__Clostrid
33	0.374944	1.571637	-0.84311	0.595678	0.004093	0.035373	k__Bacteriap__Firmicu c__Clostrid
34	0.841419	1.71329	-0.84231	1.317187	0.004644	0.037977	k__Bacteriap__Bacteroc__Bactero
35	0.909797	1.425998	0.841482	0.453297	0.005604	0.041728	k__Bacteriap__Firmicu c__Bacilli
36	1	2.473095	-0.84091	0.694003	0.000553	0.008922	k__Bacteriap__Bacteroc__Bactero
37	0.986161	3.214245	0.825041	-0.52308	0.001305	0.016618	k__Bacteriap__Bacteroc__Bactero
38	0.286856	1.937149	-0.7862	0.612787	0.006683	0.046575	k__Bacteriap__Firmicu c__Clostrid
39	1	2.126769	-0.77463	-0.39794	0.004487	0.037239	k__Bacteriap__Firmicu c__Clostrid
40	0.739887	1.990295	-0.72853	0.078837	0.005294	0.04067	k__Bacteriap__Firmicu c__Clostrid
41	0.374944	0.812177	0.704137	1.014285	0.005745	0.042454	k__Bacteriap__Firmicu c__Bacilli
42	0.4991	0.827536	0.689767	-0.26747	0.002154	0.024249	k__Bacteriap__Bacteroc__Bactero
43	0.841419	2.339427	-0.66322	1.373273	0.006213	0.044881	k__Bacteriap__Firmicu c__Clostrid
44	0.626653	1.784449	-0.59306	0.10312	0.007047	0.048249	k__Bacteriap__Firmicu c__Clostrid
45							
46							
47							
48							
49							
50							
51							
52							
53							
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55							
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58							
59							
60							

1				
2				
3				
4	Order	Family	Genus	Species
5	o__Bacterof__	[Parapreg__	[Prevotis__	
6	o__Clostridf__	Lachnos g__		s__
7	NA	NA	NA	NA
8				
9	o__Clostridf__	Lachnos g__		s__
10	o__Bacterof__	S24-7 g__		s__
11	o__Lactobaf__	Lactobag__	Lactoba s__	
12	o__Clostridf__	Veilloneg__	Anaero s__	
13	o__Spiroch f__	Spiroch g__	Trepon s__	
14	o__Clostridf__	Christeng__		s__
15	o__Spiroch f__	Spiroch g__	Trepon s__	
16	o__Clostridf__	Ruminoi g__		s__
17	o__Clostridf__	Ruminoi g__		s__
18	o__Clostridf__			s__
19	o__Clostridf__			s__
20	o__Clostridf__	Lachnosg__	Coprocc s__	
21	o__Bacterof__	Bacteroig__	Bactero s__	barnesia
22	o__Clostridf__			s__
23	o__Clostridf__	Lachnosg__	Coprocc s__	
24	o__Clostridf__	Veilloneg__	Mitsuok s__	multacida
25	o__Bacterof__	S24-7 g__		s__
26	o__RF32 f__			s__
27	o__Clostridf__			s__
28	o__Bacterof__	Prevotelg__	Prevote s__	
29	o__Bacterof__	[Parapreg__	[Prevotis__	
30	o__Clostridf__	[Mogibag__	Mogiba s__	
31	o__GMD14 f__			s__
32	o__Campyl f__	Helicoba	NA	NA
33	o__Clostridf__	Lachnos g__		s__
34	o__Bacterof__	[Parapreg__	[Prevotis__	
35	o__Clostridf__	Ruminoi g__		s__
36	o__Clostridf__	Ruminoi g__		s__
37	o__Clostridf__	Lachnos g__		s__
38	o__Clostridf__	Lachnosg__	Rosebu s__	
39	o__Clostridf__	Ruminoi g__		s__
40	o__Bacterof__	[Parapreg__	[Prevotis__	
41	o__Clostridf__	Ruminoi g__		s__
42	o__Clostridf__	Clostridi	NA	NA
43	o__Bacterof__			s__
44	o__Lactobaf__	Lactobag__	Lactoba s__	
45	o__Clostridf__	Ruminoi g__	Oscillos s__	
46	o__Bacterof__	Prevotelg__	Prevote s__	
47	o__Clostridf__			s__
48	o__Clostridf__	Lachnos g__		s__
49	o__Clostridf__	Ruminoi g__		s__
50	o__Deferrilf__	Deferribg__	Mucispis__	schaedleri
51	o__Clostridf__	Ruminoi g__		s__
52	o__Enterokf__	Enterob g__		s__
53	o__Clostridf__	Ruminoi g__		s__
54	o__Clostridf__	Lachnos	NA	NA
55	o__Clostridf__	Lachnos g__		s__

1 o__Clostridf__Lachnosg__Dorea s__
 2 o__Clostridf__Ruminoig__ s__
 3 o__Bacterof__[Parapreg__ s__
 4 o__Clostridf__Ruminoig__ s__
 5 o__Clostridf__ g__ s__
 6 o__Clostridf__Ruminoig__Rumino s__
 7 o__Clostridf__ g__ s__
 8 o__Clostridf__Ruminoig__Rumino s__
 9 o__Clostridf__ g__ s__
 10 o__Clostridf__Ruminoig__ s__
 11 o__Clostridf__Veilloneg__Anaero s__
 12 o__Clostridf__Ruminoig__ s__
 13 o__Aeromcf__Succinivg__Succiniv s__
 14 o__Bacterof__Prevotelg__Prevote s__copri
 15 o__Clostridf__ g__ s__
 16 o__Clostridf__ g__ s__
 17 o__Clostridf__ g__ s__
 18 o__Clostridf__ g__ s__
 19 o__Clostridf__ g__ s__
 20 o__Clostridf__ g__ s__
 21 o__Bacterof__S24-7 g__ s__
 22 o__Clostridf__Lachnos NA NA
 23 o__Lactobaf__Lactobag__Lactoba s__
 24 o__Clostridf__Veilloneg__Anaero s__
 25 o__Clostridf__Lachnosg__ s__
 26 o__Clostridf__Lachnosg__Coprocc s__
 27 o__Bacterof__Prevotelg__Prevote s__
 28 o__Clostridf__Lachnosg__Coprocc s__
 29 o__Clostridf__ g__ s__
 30 o__Clostridf__Ruminoig__ s__
 31 o__Lactobaf__Streptog__Strepto s__
 32 o__Enterokf__Enterobg__ s__
 33 o__Pasteurf__Pasteurg__Actinob s__porcinus
 34 o__Clostridf__Ruminoig__Oscillos s__
 35 o__Coriobaf__Coriobag__ s__
 36 o__Clostridf__Christeng__ s__
 37 o__Clostridf__Lachnos NA NA
 38 o__Bacterof__[Odoribig__Odoriba s__
 39 o__Clostridf__Lachnosg__Rosebu s__faecis
 40 o__Clostridf__Christeng__ s__
 41 o__Clostridf__Ruminoig__ s__
 42 o__Clostridf__Ruminoig__ s__
 43 o__Clostridf__Peptostig__ s__
 44 o__Clostridf__Ruminoig__Faecalik s__prausnitzii
 45 o__Bacterof__Prevotelg__Prevote s__
 46 o__Clostridf__ g__ s__
 47 o__Clostridf__Lachnosg__Lachno s__
 48 o__Clostridf__Ruminoig__Oscillos s__
 49 o__Bacterof__Bacteroig__Bactero s__
 50 o__Enterokf__Enterobg__ s__
 51 o__Bacterof__Prevotelg__Prevote s__copri
 52 o__Clostridf__Lachnosg__ s__
 53 o__Clostridf__Ruminoig__ s__
 54 o__Clostridf__Ruminoig__ s__
 55 o__Bacterof__Prevotelg__Prevote s__

1	
2	o__Clostridf__Ruminoig__Oscillos s__
3	o__Clostridf__Clostridig__ s__
4	o__Clostridf__Ruminoig__ s__
5	o__Clostridf__ g__ s__
6	o__Clostridf__Lachnosg__ s__
7	o__Clostridf__ g__ s__
8	o__Clostridf__Clostridi NA NA
9	
10	o__Enterokf__Enterobg__ s__
11	o__Clostridf__Lachnosg__Rosebus s__
12	o__Clostridf__ g__ s__
13	o__Bacterof__Prevotelg__Prevotes s__
14	o__Bacterof__Prevotelg__Prevotes s__stercorea
15	o__Clostridf__Lachnosg__[Rumin s__
16	
17	o__Clostridf__Ruminoig__Oscillos s__
18	o__Clostridf__Ruminoig__ s__
19	o__Bacterof__[Parapreg__[Prevot s__
20	o__Clostridf__Lachnosg__ s__
21	o__Clostridf__Lachnosg__Coproc s__
22	
23	o__Clostridf__Ruminoig__Faecalik s__prausnitzii
24	o__Bacterof__Prevotelg__Prevotes s__
25	o__Bacterof__Prevotelg__Prevotes s__
26	o__Clostridf__Lachnosg__Rosebus faecis
27	o__Clostridf__Ruminoig__ s__
28	o__Bacterof__S24-7 g__ s__
29	
30	o__Clostridf__ g__ s__
31	o__Bacterof__Prevotelg__Prevotes s__
32	o__Clostridf__Lachnosg__ s__
33	o__Clostridf__ g__ s__
34	o__Bacterof__ g__ s__
35	o__Clostridf__Veilloneg__ s__
36	o__Clostridf__Ruminoig__ s__
37	
38	o__Clostridf__Ruminoig__ s__
39	o__Bacterof__Prevotelg__Prevotes s__
40	o__Lactobaf__Lactobag__Lactobas s__
41	o__Bacterof__Prevotelg__Prevotes s__copri
42	o__Bacterof__ g__ s__
43	o__Clostridf__Ruminoig__Oscillos s__
44	o__Clostridf__Ruminoig__Faecalik s__prausnitzii
45	o__Clostridf__Veilloneg__Anaero s__
46	
47	o__Lactobaf__Lactobag__Lactobas s__
48	o__Bacterof__Prevotelg__Prevotes s__copri
49	o__Clostrid NA NA NA
50	o__Clostridf__Lachnosg__ s__
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Table S11: Differentially abundant OTUs when comparing the experimental groups at T2.

OTU	+samples in group 0	+samples in group 1	counts in group 0
	297140	41	20
	1038455	12	8
	346606	31	2
	74192	20	15
	349257	29	19
	46910	39	12
New.CleanUp.ReferenceOTU8158		22	10
	712142	34	23
	471412	5	11
New.ReferenceOTU7331		17	11
	306124	11	9
	157455	21	14
New.ReferenceOTU741		23	18
	350666	28	19
	322004	29	3
New.ReferenceOTU9646		10	2
	509416	31	2
New.ReferenceOTU8839		42	20
	516159	43	21
New.ReferenceOTU3384		18	0
	355246	5	7
	16733	15	12
	324283	45	19
	518552	16	0
New.ReferenceOTU2204		20	3
New.ReferenceOTU1712		28	17
	309745	16	7
New.ReferenceOTU8825		24	19
	425675	36	4
New.ReferenceOTU2144		15	10
New.ReferenceOTU3788		30	5
New.ReferenceOTU2058		18	10
	846386	17	3
	527437	32	17
	359779	16	17
	46566	24	11
New.CleanUp.ReferenceOTU135285		33	14
New.ReferenceOTU1755		18	6
	297260	22	14
	347085	20	3
New.ReferenceOTU8056		36	12
	335884	8	3
New.ReferenceOTU5504		13	6
	316037	31	6
New.ReferenceOTU6786		20	12
New.ReferenceOTU6967		20	7
	354461	27	2
	329729	10	4
	216111	33	9

1				
2		533298	33	22
3		4358599	12	9
4	New.ReferenceOTU471		25	1
5	New.ReferenceOTU10083		45	22
6		70580	11	12
7		703741	47	23
8	New.ReferenceOTU2171		11	13
9	New.ReferenceOTU9622		8	4
10				
11		569826	25	12
12		109413	7	15
13	New.CleanUp.ReferenceOTU86994		39	19
14		312490	39	18
15	New.CleanUp.ReferenceOTU68137		9	8
16	New.CleanUp.ReferenceOTU9889		22	1
17	New.ReferenceOTU3326		10	10
18	New.ReferenceOTU7634		16	16
19	New.ReferenceOTU6997		15	12
20				
21		759751	38	15
22		40798	38	22
23	New.ReferenceOTU6315		9	6
24				
25		100852	20	4
26		342638	41	21
27		515299	29	14
28		588197	47	23
29	New.ReferenceOTU6666		11	10
30	New.ReferenceOTU10892		15	14
31	New.CleanUp.ReferenceOTU107762		35	18
32	New.ReferenceOTU3709		41	20
33				
34		29495	38	16
35		311173	21	9
36		364736	31	4
37		558458	28	14
38		294053	8	5
39		333028	22	13
40		323200	21	7
41		309433	31	19
42		528692	47	22
43				
44	New.ReferenceOTU1797		7	4
45	New.ReferenceOTU4568		21	16
46				
47		361727	32	5
48		539601	20	14
49	New.ReferenceOTU2631		35	20
50		523751	18	12
51		548699	15	6
52	New.ReferenceOTU5926		15	2
53				
54		362450	8	2
55		1106614	21	5
56		581003	38	17
57		921813	37	18
58	New.ReferenceOTU490		19	15
59		358104	30	9
60	New.ReferenceOTU7356		21	11

New.ReferenceOTU6077	36	16	393
196392	24	1	65
355630	44	20	616
New.ReferenceOTU11254	22	8	98
New.ReferenceOTU7793	20	14	79
New.ReferenceOTU3281	18	6	43
New.ReferenceOTU3592	10	4	20
295410	43	23	291
New.ReferenceOTU10891	13	9	42
345899	39	15	232
New.ReferenceOTU9226	17	4	42
New.ReferenceOTU2232	20	16	49
314204	21	6	66
359175	30	18	101
New.ReferenceOTU3520	10	5	19
163857	18	3	47
4404459	17	12	38
New.ReferenceOTU1512	22	11	34
337784	31	12	100
New.ReferenceOTU691	31	10	85
293717	25	14	105
351659	29	18	66
New.ReferenceOTU6457	25	16	54

	counts in group 1	oddsRatio	lower	upper	fisherP	fisherAdjP
1	7035	1.024655598	0.150335353	5.416483148	1	1
2	460	0.647049387	0.193672178	2.223453517	0.573919776	1
3	17	19.4310016	3.97083982	191.3081085	6.59E-06	0.001685949
4	1166	0.400454773	0.121214051	1.240026568	0.125940015	0.610145295
5	663	0.344126324	0.073294707	1.273885775	0.1024817	0.576236354
6	44	4.358868037	1.270523064	15.86627555	0.010016466	0.23026356
7	1940	1.141805381	0.374914159	3.549673976	1	1
8	1192	0	0	0.553570888	0.003386734	0.128319596
9	187	0.134684842	0.030245056	0.517229235	0.001547468	0.071957246
10	509	0.622564982	0.200173137	1.928169167	0.438119526	0.939202385
11	126	0.480714877	0.143003584	1.618956226	0.259431991	0.846993304
12	184	0.52416324	0.164248008	1.601638029	0.308799677	0.846993304
13	381	0.271254745	0.067226969	0.923383949	0.022388017	0.313738926
14	347	0.315162677	0.067298187	1.161163462	0.06325467	0.482906919
15	82	10.36830492	2.553039918	62.24578826	0.00011676	0.011944585
16	56	2.801322924	0.522105799	28.69637148	0.3125217	0.846993304
17	5	19.4310016	3.97083982	191.3081085	6.59E-06	0.001685949
18	1461	1.255691239	0.177417938	7.218088052	1	1
19	188	1.023481407	0.086047775	7.817836869	1	1
20	0	Inf	3.00463585	Inf	0.000279251	0.021536387
21	31	0.277941402	0.060001835	1.184170677	0.049846771	0.427499026
22	484	0.435179946	0.136840544	1.35155211	0.122308217	0.610145295
23	2912	4.619471525	0.604014947	55.10828275	0.085837779	0.52966281
24	0	Inf	2.482003523	Inf	0.000711206	0.040173535
25	4	4.836401815	1.186993438	28.90986405	0.015645486	0.275954002
26	671	0.524880646	0.142432622	1.728781598	0.294830753	0.846993304
27	127	1.176966548	0.361812736	4.108560241	1	1
28	241	0.224330827	0.048118709	0.817538864	0.017618289	0.300391823
29	25	14.78305119	3.865248849	72.85987586	4.91E-06	0.001685949
30	52	0.613813274	0.194382201	1.94891013	0.428029389	0.939202385
31	32	6.1748079	1.798195999	25.2483296	0.001907011	0.083399915
32	63	0.809403488	0.262003143	2.534230725	0.796216436	1
33	17	3.7136428	0.898923734	22.33752791	0.052690389	0.431218142
34	705	0.755943496	0.201930703	2.557598932	0.782699086	1
35	479	0.187067157	0.049928953	0.616899914	0.002255232	0.0887347
36	1534	1.136232024	0.373556516	3.484476435	1	1
37	134	1.50614862	0.460696089	4.834121975	0.5886065	1
38	16	1.744852178	0.527143877	6.447795154	0.42332826	0.939202385
39	249	0.570352309	0.179080845	1.741810297	0.315449119	0.846993304
40	4	4.836401815	1.186993438	28.90986405	0.015645486	0.275954002
41	90	2.948655879	0.907772515	9.84819157	0.055357215	0.442425238
42	52	1.361654497	0.28510077	8.835519173	1	1
43	200	1.082126671	0.312612449	4.10778308	1	1
44	11	5.345673809	1.621008492	20.02845944	0.002255232	0.0887347
45	94	0.682830459	0.221200424	2.080763463	0.610036881	1
46	41	1.680612902	0.528315547	5.790456294	0.434957367	0.939202385
47	7	13.66602784	2.819346071	133.9063406	8.07E-05	0.011797547
48	29	1.279330003	0.314031986	6.34011413	1	1
49	86	3.592807247	1.144923763	11.93523297	0.019145658	0.313738926

293	0.109679078	0.002430551	0.821825304	0.014731806	0.274011591
31	0.538381092	0.163164241	1.791963762	0.275663618	0.846993304
1	24.06718082	3.341723273	1066.027173	4.50E-05	0.009200403
552	1.022413921	0.016596118	20.64920178	1	1
90	0.285842047	0.085092526	0.921485883	0.028789723	0.354842004
1596	0	0 Inf		1	1
55	0.24063964	0.070812227	0.774645779	0.008279651	0.228921161
129	0.974703197	0.225136781	4.991568218	1	1
105	1.041081351	0.339734574	3.173804982	1	1
85	0.097605949	0.024323567	0.346419571	5.65E-05	0.009625267
139	1.02595334	0.200337841	4.441744232	1	1
162	1.348068255	0.302584271	5.481963592	0.745790669	1
23	0.449671852	0.125546369	1.612980646	0.234374307	0.796561182
3	18.72935467	2.593703881	830.9903392	0.000294731	0.021536387
28	0.357169737	0.104553459	1.193996557	0.089284666	0.53728361
82	0.231073659	0.065672046	0.739283621	0.009838205	0.23026356
59	0.435179946	0.136840544	1.35155211	0.122308217	0.610145295
66	2.223843887	0.619970241	7.965184573	0.234374307	0.796561182
409	0.195380753	0.004196077	1.578612164	0.148899766	0.683055722
15	0.675019998	0.179433363	2.69297994	0.544734198	1
8	3.459333913	0.942583909	16.16842491	0.059389958	0.467353282
148	0.654552473	0.059660034	4.085761429	1	1
45	1.035218165	0.32327986	3.215773264	1	1
1175	0	0 Inf		1	1
35	0.402929458	0.120615647	1.327584795	0.101907311	0.576236354
92	0.306952918	0.093302296	0.956732223	0.037554398	0.380207454
217	0.812579972	0.193311378	2.983436706	1	1
614	1.024655598	0.150335353	5.416483148	1	1
287	1.830180859	0.488283061	6.687742818	0.366367485	0.914131554
11	1.252333206	0.408056621	3.984631339	0.798204569	1
24	8.887421063	2.411964238	42.12715386	0.000262634	0.021536387
125	0.948079932	0.296938635	2.930534223	1	1
18	0.741802202	0.182416388	3.304864449	0.745790669	1
83	0.680734331	0.218523172	2.067990371	0.611349299	1
8	1.830254326	0.577186538	6.298153454	0.305577163	0.846993304
320	0.412815386	0.087286706	1.547680762	0.171510675	0.727578662
2533	Inf	0.052396711 Inf		0.328571429	0.853802399
6	0.833507715	0.184121481	4.368419811	1	1
98	0.358735117	0.104028115	1.132241909	0.074186121	0.489628396
19	7.432681389	2.144644841	30.74216584	0.000337553	0.022049697
115	0.481353933	0.150404378	1.472621874	0.204308441	0.743799059
226	0.442259631	0.071605708	1.91927681	0.354077199	0.901047201
141	0.573659124	0.18426389	1.756776415	0.311125058	0.846993304
16	1.322850193	0.390991718	4.952193933	0.782699086	1
5	4.827848014	0.962916258	47.84767509	0.040142053	0.380207454
21	2.132799314	0.376156111	22.41445699	0.479557098	0.961935121
9	2.865128641	0.837421479	11.5649797	0.071625033	0.488801796
142	1.481437591	0.371335852	5.573099585	0.544734198	1
206	1.027395226	0.238809861	3.925220012	1	1
47	0.367369023	0.110838338	1.139819274	0.074739309	0.490117395
28	2.703893813	0.876390287	8.767741497	0.073105254	0.488801796
149	0.882718881	0.28890527	2.70684905	1	1

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2	244	1.424319808	0.391804397	4.945236943	0.56853771		1
3	1	22.1387726	3.072798267	980.9530329	0.000116749	0.011944585	
4	406	2.173142913	0.267360587	17.68932288	0.38674951	0.939202385	
5	24	1.638293431	0.528551958	5.380547631	0.442535441	0.939202385	
6	44	0.481353933	0.150404378	1.472621874	0.204308441	0.743799059	
7	7	1.744852178	0.527143877	6.447795154	0.42332826	0.939202385	
8	9	1.279330003	0.314031986	6.34011413	1		1
9	326	0	0	3.077137343	0.294970526	0.846993304	
10	17	0.599354869	0.184427821	1.975388597	0.413470137	0.939202385	
11	51	2.561322507	0.698907912	9.510740061	0.131214042	0.610145295	
12	6	2.656270904	0.713423277	12.51491842	0.16488276	0.727578662	
13	62	0.329465362	0.095312548	1.041055266	0.043391939	0.380207454	
14	8	2.262142384	0.691767735	8.306835788	0.19189431	0.743799059	
15	101	0.495002637	0.121467894	1.724106046	0.279559209	0.846993304	
16	8	0.973335261	0.25476279	4.187431771	1		1
17	3	4.062711429	0.988878483	24.3672529	0.050209577	0.427499026	
18	29	0.524472895	0.167490944	1.612099192	0.301525219	0.846993304	
19	25	0.96053973	0.315079221	2.943474338	1		1
20	20	1.761116105	0.565985369	5.516375686	0.303516969	0.846993304	
21	15	2.48405093	0.805496583	7.938126005	0.120210778	0.610145295	
22	34	0.73379723	0.230796377	2.246763581	0.614098997		1
23	56	0.452483686	0.111400187	1.566725347	0.188493214	0.743799059	
24	41	0.502088086	0.146061338	1.588398376	0.210007873	0.753817735	
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(Intercept)	ATB_GROUP_T2ORAL_ATB	ATB_GROUP_T2PARENTERAL_ATB	FECAL_SCORE_T2
4.495165194	3.346794498	1.790009277	-0.174556039
2.148456079	3.178195579	1.38575525	-0.982257718
3.818019016	-2.928582198	-0.248612612	-0.033189533
0.680627531	2.783951579	1.073215478	0.901141878
1.4750904	2.665328878	1.038770208	-0.165102739
4.105003423	-2.532292442	-0.555301793	-0.166509816
1.964579372	2.523588736	1.268277115	0.917483334
2.470596252	2.493117267	0.500772519	0.100722737
-0.21268348	2.374971095	0.585537024	0.634506352
1.978686771	2.350662181	0.062485794	-0.157058366
0.598310987	2.348944539	0.557472615	-0.038890392
1.069695629	2.303784818	1.413494677	-0.295725146
1.688339363	2.262949413	2.583606536	-0.194307018
1.38269888	2.209969295	0.645348416	0.149634642
2.840248808	-2.166316448	-0.322689811	1.36889166
1.316822279	2.120121247	0.615385599	-0.148573862
2.703315944	-2.05343511	-0.366693403	-0.34630462
3.205908833	2.048892356	0.821332567	-0.090371619
4.878976347	-2.047623817	0.483899093	-0.262612281
2.91348799	-2.031724206	-0.45767045	-0.788553924
0.859391629	2.01289017	1.916107459	-0.854354629
0.831970071	1.972566807	1.035191778	0.657929768
7.696636362	-1.957379966	-0.93064863	-0.118521747
2.670228815	-1.925303715	-0.126966355	-0.637251172
2.165409279	-1.925196088	-0.709484828	-0.185351385
2.632969324	1.852528681	-0.015308311	-0.412759277
0.756292026	1.841040016	3.398166119	-0.595751639
1.836326333	1.789402927	0.778388383	0.195510118
2.766653223	-1.782882095	0.330149457	0.051422175
0.84835828	1.780095097	0.956324594	-0.433724551
3.273191989	-1.778875771	-0.784875805	0.245790338
1.25580815	1.774651024	0.335721306	-0.514504097
2.438701298	-1.772022605	-0.442775841	-0.009650122
3.34970005	1.765595859	0.582606091	-0.862421261
0.820594271	1.685599147	0.378369085	0.501741117
1.306476386	1.674662972	0.718557292	0.177479429
3.410490846	-1.674586089	-0.647564497	0.135447976
2.303391412	-1.663207367	-0.847382329	-0.208463369
1.295295213	1.634732287	0.177103173	0.007071557
1.926438017	-1.617097781	-0.099109333	0.494254337
3.248400647	-1.585581484	-0.748565306	-0.12424908
1.699217185	1.58520008	0.517221151	-1.286714891
1.452756566	1.582364127	-0.180920686	1.02038264
2.233794806	-1.581475176	-0.326123185	0.296621524
1.484018953	1.576836095	0.505105801	-0.880766423
1.971592364	-1.534059841	-0.932126466	0.707358625
2.465593919	-1.527536163	-0.449348784	-0.532807174
1.90633365	-1.50345849	0.073820181	0.153205462
2.169099231	-1.500820653	-1.376271933	1.087871022

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2	1.68281779	1.492812205	1.015745318	-0.018837906
3	1.200314485	1.491329962	1.009044992	-0.687216154
4	1.592369245	-1.471379274	0.318211853	0.434042977
5	4.888832454	-1.461674822	-0.095405961	0.280204596
6	0.608550973	1.451276092	0.737207658	0.038627086
7	7.200701293	-1.44102474	-1.616953926	-0.412395536
8	0.897316815	1.43769726	0.324067504	0.009673894
9	1.935113425	1.423051078	-2.300400535	1.905637268
10	0.957773807	1.416706651	1.535350414	-0.244658204
11	0.460226038	1.41042481	0.619819922	0.103811339
12	3.624812785	-1.408283163	-0.401182011	-0.194581331
13	3.46792875	-1.404164988	-0.811553317	0.151006171
14	0.265685303	1.400538131	1.06876632	0.090338572
15	1.380041417	-1.381958238	-0.445999381	0.285535523
16	0.419899856	1.375599638	0.551064593	-0.146669674
17	0.794225992	1.370574459	0.332193552	0.259223421
18	0.92376929	1.353951223	0.669996713	-0.376267259
19	2.788623242	-1.35391599	-0.26531536	0.52562525
20	2.586895429	1.352257578	0.066092591	0.102622904
21	0.356414173	1.331769325	1.327578533	0.151964463
22	1.546159216	-1.330534007	-0.178187862	0.410776753
23	3.183358908	-1.33026508	0.453366255	0.154586992
24	2.841299964	-1.324183221	0.234269	0.19368885
25	6.750719003	-1.318114345	-0.985210466	-0.233510564
26	0.488809285	1.305918208	0.986120809	0.304535198
27	0.47007747	1.29694481	0.438780225	0.355099418
28	3.040303814	-1.291438356	-0.609295839	0.545872597
29	3.673739504	1.287639428	0.359633339	-0.040337999
30	2.792761493	1.284373215	-0.033930475	-0.167209133
31	2.029491055	-1.25248428	-0.911969698	0.098463426
32	2.190637069	-1.249593922	0.40354658	-0.067427845
33	1.453085525	1.248462653	0.891017403	-0.267007965
34	0.849369081	1.242659784	0.29906992	-0.288094757
35	0.712850277	1.23443657	0.56104639	0.618525064
36	2.368348664	-1.230719673	0.198314181	-0.684937405
37	1.733624533	1.204231667	-0.024517005	0.409964289
38	5.348249635	1.193574831	0.036657418	0.273511104
39	0.205863537	1.192859632	1.502084798	-0.213412185
40	1.366193265	1.190186593	0.087255627	0.039735971
41	2.034796582	-1.186462798	-0.10660108	0.227994747
42	1.129755847	1.167105964	-0.149126099	0.540612985
43	2.540549374	1.166763886	0.546473828	-0.231086006
44	1.402604972	1.153233241	-0.433344838	0.379303145
45	1.585525554	-1.142632226	0.580934586	0.929451253
46	1.78130507	-1.124732155	-0.542957817	0.148364199
47	1.848428999	1.120872388	0.067959857	-1.098083213
48	1.587860127	-1.086286413	-0.372536632	0.42158381
49	2.287489451	1.082116346	0.334466991	-0.499534064
50	2.112468088	1.074433593	0.256590241	-0.018075846
51	0.43360749	1.074034859	0.850801385	0.289612036
52	1.530667242	-1.066366534	0.308167557	0.614122749
53	2.5567219	1.060878365	0.604338384	-0.708185964

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2	3.226183045	1.04750782	-0.476216384	-0.350885527
3	1.513791316	-1.036532289	-0.094686557	-0.235063297
4	2.988365092	1.036524689	-0.112255102	0.423879279
5	1.910575607	-1.018802806	-0.846145272	0.333260211
6	1.97686312	-0.998344405	-0.945316642	0.788465051
7	1.592974029	-0.991648217	-0.493234083	-0.055272233
8	0.701658565	0.961048337	0.572995149	0.128920279
9	2.56361199	0.928390686	0.100183015	0.109243254
10	2.043738714	-0.92549818	-0.818219368	-0.081769854
11	2.248198338	-0.877859936	0.079570489	0.13929128
12	1.342501428	-0.869875297	-0.60312505	0.29957281
13	1.245024114	0.863639146	0.246429532	-0.144391262
14	1.912681816	-0.845149842	-0.109304381	-0.500562303
15	1.674562003	0.829315185	0.164672821	-0.077148122
16	1.27121066	-0.814131378	-0.616563237	0.689687618
17	1.588727178	-0.813544106	0.520780625	-0.387481189
18	1.015525078	0.785199014	0.770962288	-0.382700119
19	0.868051638	0.770211564	0.289989482	-0.05783177
20	1.951015311	-0.744804959	-0.150288807	0.047336722
21	1.751093647	-0.732677118	-0.044356607	-0.114156029
22	2.045826127	-0.724210137	-0.087197865	-0.145890756
23	1.075296325	0.715447805	0.455143085	0.189445609
24	0.915968938	0.650543749	0.511241983	0.201365875
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	normFactor_T2	pvalues	adjPvalues	Kingdom	Phylum	Class
1	2.192159336	1.03E-07	5.27E-05	k__Bacteria	p__Spirochaetes	c__Spirochaetes
2	2.658614113	4.56E-06	0.000358891	k__Bacteria	p__Spirochaetes	c__Spirochaetes
3	1.050550256	3.08E-05	0.001431556	k__Bacteria	p__Firmicutes	c__Clostridia
4	-1.081777139	3.30E-06	0.000307022	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
5	-0.969830992	4.13E-07	7.02E-05	k__Bacteria	p__Firmicutes	c__Clostridia
6	-0.526043415	1.68E-07	5.73E-05	k__Bacteria	p__Firmicutes	c__Clostridia
7	3.428615487	0.0042135	0.038832528	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
8	0.206262628	4.80E-07	7.02E-05	k__Bacteria	p__Firmicutes	c__Clostridia
9	-0.997607526	4.45E-07	7.02E-05	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
10	3.891281354	0.000970696	0.016279056	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
11	0.689007869	2.50E-07	6.39E-05	k__Bacteria	p__Firmicutes	c__Clostridia
12	-1.004643364	4.33E-06	0.000358891	k__Bacteria	p__Firmicutes	c__Clostridia
13	3.625176636	9.57E-05	0.003375339	k__Bacteria	p__Firmicutes	c__Clostridia
14	0.019617448	8.22E-07	0.000105094	k__Bacteria	p__Firmicutes	c__Clostridia
15	3.530976366	0.003113379	0.032834915	k__Bacteria	p__Firmicutes	c__Clostridia
16	3.002488925	0.000126416	0.004041358	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
17	-0.983458347	1.58E-06	0.000179703	k__Bacteria	p__Firmicutes	c__Clostridia
18	0.401453036	0.001689629	0.023138424	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
19	-1.445115149	0.000589298	0.012743124	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
20	1.359305653	0.000140275	0.00433652	k__Bacteria	p__Proteobacteria	c__Alphaproteobacteria
21	0.052845144	8.35E-06	0.000502578	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
22	3.42558288	0.002342355	0.027229882	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
23	-2.947388505	0.002301714	0.027064983	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
24	1.343521089	0.00405139	0.038023598	k__Bacteria	p__Proteobacteria	c__Alphaproteobacteria
25	-2.335091219	2.91E-06	0.000297322	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
26	2.605133256	0.003232566	0.03374403	k__Bacteria	p__Proteobacteria	c__Deltaproteobacteria
27	1.626824428	0.006050297	0.049972246	k__Bacteria	p__Firmicutes	c__Clostridia
28	3.6491586	6.78E-06	0.000462418	k__Bacteria	p__Firmicutes	c__Clostridia
29	-0.700455617	0.001387469	0.019721387	k__Bacteria	p__Firmicutes	c__Clostridia
30	0.885539153	2.27E-05	0.001159079	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
31	1.95587391	0.002266571	0.02696165	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
32	0.975245636	3.73E-05	0.001582118	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
33	-2.34770722	0.002558159	0.029077737	k__Bacteria	p__Firmicutes	c__Clostridia
34	0.555205996	0.005160716	0.044364806	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
35	-0.513230179	0.000599552	0.012743124	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
36	2.414156105	0.006057242	0.049972246	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
37	-3.2511598	0.000655657	0.012864197	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
38	-2.898559832	2.52E-08	2.58E-05	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
39	0.545909652	0.000431692	0.010514791	k__Bacteria	p__Proteobacteria	c__Epsilonproteobacteria
40	4.894384765	0.000193315	0.005650312	k__Bacteria	p__Firmicutes	c__Clostridia
41	-3.165173554	0.000738057	0.013982075	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
42	1.418799435	0.000375675	0.009637005	k__Bacteria	p__Firmicutes	c__Clostridia
43	4.706130454	0.001030607	0.016735088	k__Bacteria	p__Firmicutes	c__Clostridia
44	1.019535381	0.000269701	0.007456859	k__Bacteria	p__Firmicutes	c__Clostridia
45	-0.449756099	4.64E-05	0.001827176	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
46	-1.082302684	0.000452164	0.010757298	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
47	0.322851185	0.000546466	0.012152923	k__Bacteria	p__Firmicutes	c__Clostridia
48	-4.671677489	0.002010547	0.025392464	k__Bacteria	p__Firmicutes	c__Clostridia
49	0.126251259	0.00042121	0.010509692	k__Bacteria	p__Firmicutes	c__Clostridia

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2	1.387415171	0.002949529	0.032413178	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
3	0.732531128	7.35E-05	0.002783282	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
4	3.259064537	0.00217313	0.026465619	k__Bacteria	p__Firmicutes	c__Clostridia
5	-2.645042036	0.001762989	0.023523039	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
6	-1.25161967	0.000895246	0.015790281	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
7	-0.138491556	0.000376813	0.009637005	k__Bacteria	p__Firmicutes	c__Bacilli
8	1.841836321	5.00E-06	0.000365657	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
9	5.753763273	0.005223847	0.044533293	k__Bacteria	p__Spirochaetes	c__Spirochaetes
10	2.074327989	0.001196766	0.018212685	k__Bacteria	p__Firmicutes	c__Clostridia
11	-0.431859242	0.000882912	0.015790281	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
12	-3.00549913	0.000504834	0.011627384	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
13	0.807017614	0.004813736	0.042452174	k__Bacteria	p__Firmicutes	c__Clostridia
14	-0.107967132	2.88E-05	0.001401371	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
15	0.043956477	2.05E-05	0.001102848	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
16	0.787816962	1.52E-05	0.000864795	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
17	1.308037991	3.24E-05	0.001441959	k__Bacteria	p__Firmicutes	c__Clostridia
18	-0.545947462	0.000622831	0.012743124	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
19	1.162249059	0.003621036	0.036676429	k__Bacteria	p__Firmicutes	c__Clostridia
20	0.846551214	0.003680063	0.036837979	k__Bacteria	p__Firmicutes	c__Clostridia
21	0.883638948	3.87E-05	0.001582118	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
22	0.346309694	0.001884643	0.02471782	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
23	-2.722852915	0.000926163	0.01605872	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
24	0.498672311	0.002067377	0.025685437	k__Bacteria	p__Firmicutes	c__Clostridia
25	1.382562169	0.000511468	0.011627384	k__Bacteria	p__Firmicutes	c__Bacilli
26	0.621556436	7.87E-06	0.000502578	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
27	-0.195431038	0.000956891	0.016279056	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
28	-1.687828365	0.005922582	0.049873625	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
29	4.174165838	0.002916109	0.032413178	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
30	2.429311974	0.000844437	0.015426057	k__Bacteria	p__Firmicutes	c__Clostridia
31	0.393748866	0.000112488	0.003835848	k__Bacteria	p__Proteobacteria	c__Epsilonproteobacteria
32	-1.600090417	0.003709005	0.036837979	k__Bacteria	p__Firmicutes	c__Clostridia
33	-0.265423732	0.003750292	0.036850073	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
34	1.882450176	0.00012188	0.004022039	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
35	0.266631074	9.01E-05	0.003291657	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
36	-1.22424193	0.003296716	0.033933691	k__Bacteria	p__Firmicutes	c__Erysipelotrichi
37	-0.313740723	0.001360477	0.019721387	k__Bacteria	p__Firmicutes	c__Clostridia
38	2.483695315	0.002978337	0.032413178	k__Bacteria	p__Firmicutes	c__Clostridia
39	0.01441269	0.000226408	0.006433757	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
40	1.889567297	0.00116496	0.018212685	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
41	0.11265329	0.001028657	0.016735088	k__Bacteria	p__Firmicutes	c__Clostridia
42	0.132174874	0.001770551	0.023523039	k__Bacteria	p__Firmicutes	c__Clostridia
43	3.613193835	0.003317076	0.033933691	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
44	1.354643707	0.004924524	0.043058014	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
45	2.431656511	0.003068615	0.03269993	k__Bacteria	p__Proteobacteria	c__Epsilonproteobacteria
46	2.316327221	0.000307752	0.008284995	k__Bacteria	p__Firmicutes	c__Clostridia
47	2.494656827	0.00223193	0.026861933	k__Bacteria	p__Firmicutes	c__Clostridia
48	1.212643529	0.003782266	0.036850073	k__Bacteria	p__Firmicutes	c__Clostridia
49	1.478381027	0.001696365	0.023138424	k__Bacteria	p__Firmicutes	c__Clostridia
50	2.694215979	0.001961806	0.025211094	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
51	0.27902839	0.000144127	0.00433652	k__Bacteria	p__Firmicutes	c__Clostridia
52	-1.525329503	0.000619085	0.012743124	k__Bacteria	p__Firmicutes	c__Clostridia
53	-1.718942431	0.00242277	0.027848239	k__Bacteria	p__Bacteroidetes	c__Bacteroidia

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2	2.904018725	0.003049201	0.03269993	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
3	1.470688494	0.000666474	0.012864197	k__Bacteria	p__Firmicutes	c__Clostridia
4	2.628784441	0.001388016	0.019721387	k__Bacteria	p__Firmicutes	c__Clostridia
5	-1.309466854	0.001210618	0.018212685	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
6	0.27151525	0.000659392	0.012864197	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
7	-0.711459729	0.00083012	0.015426057	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
8	1.327188459	0.004405841	0.03988651	k__Bacteria	p__Firmicutes	c__Clostridia
9	-0.31570296	0.00208396	0.025685437	k__Bacteria	p__Firmicutes	c__Clostridia
10	-1.232089261	0.001074115	0.017169064	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
12	-2.10832616	0.004035617	0.038023598	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
13	1.563260343	0.001971542	0.025211094	k__Bacteria	p__Firmicutes	c__Clostridia
14	0.127036151	0.003954545	0.037905146	Unassigned	NA	NA
15	-0.006238675	0.004257557	0.038888219	k__Bacteria	p__Firmicutes	c__Clostridia
16	-0.653930346	0.004166121	0.038744928	k__Bacteria	p__Firmicutes	c__Clostridia
17	0.656085782	0.004689203	0.042079425	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
18	0.173061298	0.002718838	0.030564524	k__Bacteria	p__Proteobacteria	c__Gammaproteobacteria
19	0.627472203	0.003964663	0.037905146	k__Bacteria	p__Firmicutes	c__Clostridia
20	0.965399513	0.001443856	0.02023377	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
21	-0.032571709	0.001182471	0.018212685	k__Bacteria	p__Firmicutes	c__Clostridia
22	-0.298962821	0.004780431	0.042452174	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
23	-1.914757377	0.005947783	0.049873625	k__Bacteria	p__Bacteroidetes	c__Bacteroidia
24	0.59693026	0.001294681	0.019195047	k__Bacteria	p__Firmicutes	c__Clostridia
25	0.949784082	0.005032092	0.043625682	Unassigned	NA	NA
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Order	Family	Genus	Species
o__Spirochaetales	f__Spirochaetaceae	g__Treponema	s__
o__Spirochaetales	f__Spirochaetaceae	g__Treponema	s__
o__Clostridiales	f__Lachnospiraceae	g__Coprococcus	s__
o__Pasteurellales	f__Pasteurellaceae	g__Actinobacillus	s__
o__Clostridiales	f__Lachnospiraceae	g__Lachnospira	s__
o__Clostridiales	f__Ruminococcaceae	g__	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
o__Clostridiales	f__Ruminococcaceae	g__	s__
o__Pasteurellales	f__Pasteurellaceae	g__Actinobacillus	s__
o__Bacteroidales	f__Bacteroidaceae	g__Bacteroides	s__barnesiae
o__Clostridiales	f__Veillonellaceae	g__Mitsuokella	s__multacida
o__Clostridiales	f__Ruminococcaceae	g__	s__
o__Clostridiales	f__Veillonellaceae	g__Anaerovibrio	s__
o__Clostridiales	f__	g__	s__
o__Clostridiales	f__Ruminococcaceae	g__	s__
o__Bacteroidales	f__Bacteroidaceae	g__Bacteroides	s__
o__Clostridiales	f__Lachnospiraceae	NA	NA
o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
o__Aeromonadales	f__Succinivibrionaceae	g__Succinivibrio	s__
o__RF32	f__	g__	s__
o__Bacteroidales	f__[Odoribacteraceae]	g__Butyricimonas	s__
o__Bacteroidales	f__	g__	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
o__RF32	f__	g__	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
o__GMD14H09	f__	g__	s__
o__Clostridiales	f__Ruminococcaceae	g__	s__
o__Clostridiales	f__[Mogibacteriaceae]	g__	s__
o__Clostridiales	f__Lachnospiraceae	g__Coprococcus	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__stercorea
o__Bacteroidales	f__S24-7	g__	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
o__Clostridiales	f__Lachnospiraceae	g__Anaerostipes	s__
o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
o__Pasteurellales	f__Pasteurellaceae	g__Actinobacillus	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
o__Campylobacteriales	f__Campylobacteraceae	g__Campylobacter	s__
o__Clostridiales	f__Ruminococcaceae	g__	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
o__Clostridiales	f__Christensenellaceae	g__	s__
o__Clostridiales	f__Lachnospiraceae	g__	s__
o__Clostridiales	f__Lachnospiraceae	g__Coprococcus	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
o__Clostridiales	f__Lachnospiraceae	g__	s__
o__Clostridiales	f__Ruminococcaceae	g__	s__
o__Clostridiales	f__Lachnospiraceae	g__	s__

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2	o__Aeromonadales	f__Succinivibrionaceae	g__Succinivibrio	s__
3	o__Bacteroidales	f__S24-7	g__	s__
4	o__Clostridiales	f__Ruminococcaceae	g__Ruminococcus	s__
5	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
6	o__Pasteurellales	f__Pasteurellaceae	g__Actinobacillus	s__porcinus
7	o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus	s__
8	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
9	o__Spirochaetales	f__Spirochaetaceae	g__Treponema	s__
10	o__Clostridiales	f__Ruminococcaceae	g__Oscillospira	s__
11	o__Pasteurellales	f__Pasteurellaceae	g__Actinobacillus	s__porcinus
12	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
13	o__Clostridiales	f__	g__	s__
14	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
15	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
16	o__Bacteroidales	f__Rikenellaceae	NA	NA
17	o__Clostridiales	f__[Mogibacteriaceae]	g__Anaerovorax	s__
18	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
19	o__Clostridiales	f__Lachnospiraceae	g__	s__
20	o__Clostridiales	f__Ruminococcaceae	g__	s__
21	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
22	o__Bacteroidales	f__RF16	g__	s__
23	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
24	o__Clostridiales	f__	g__	s__
25	o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus	s__
26	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
27	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
28	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]	s__
29	o__Bacteroidales	f__Porphyromonadaceae	g__Parabacteroides	s__
30	o__Clostridiales	f__Ruminococcaceae	g__	s__
31	o__Campylobacterales	f__Helicobacteraceae	g__Helicobacter	NA
32	o__Clostridiales	f__	g__	s__
33	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
34	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
35	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
36	o__Erysipelotrichales	f__Erysipelotrichaceae	g__p-75-a5	s__
37	o__Clostridiales	f__Lachnospiraceae	g__Lachnospira	s__
38	o__Clostridiales	f__Lachnospiraceae	g__	s__
39	o__Bacteroidales	f__p-2534-18B5	g__	s__
40	o__Bacteroidales	f__S24-7	g__	s__
41	o__Clostridiales	f__	g__	s__
42	o__Clostridiales	f__Lachnospiraceae	g__	s__
43	o__Bacteroidales	f__Porphyromonadaceae	g__Parabacteroides	s__
44	o__Aeromonadales	f__Succinivibrionaceae	g__Ruminobacter	s__
45	o__Campylobacterales	f__Helicobacteraceae	g__	s__
46	o__Clostridiales	f__	g__	s__
47	o__Clostridiales	f__	g__	s__
48	o__Clostridiales	f__Lachnospiraceae	g__	s__
49	o__Bacteroidales	f__Porphyromonadaceae	g__Parabacteroides	s__
50	o__Aeromonadales	f__Succinivibrionaceae	g__Ruminobacter	s__
51	o__Campylobacterales	f__Helicobacteraceae	g__	s__
52	o__Clostridiales	f__	g__	s__
53	o__Clostridiales	f__	g__	s__
54	o__Clostridiales	f__Lachnospiraceae	g__	s__
55	o__Clostridiales	f__	g__	s__
56	o__Bacteroidales	f__Porphyromonadaceae	g__Parabacteroides	s__
57	o__Clostridiales	f__Ruminococcaceae	g__Oscillospira	s__
58	o__Clostridiales	f__Lachnospiraceae	g__	s__
59	o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
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o__Bacteroidales	f__[Paraprevotellaceae]	g__	s__
o__Clostridiales	f__Ruminococcaceae	g__	s__
o__Clostridiales	f__Lachnospiraceae	g__	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
o__Bacteroidales	f__S24-7	g__	s__
o__Clostridiales	f__Lachnospiraceae	g__	s__
o__Clostridiales	f__	g__	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__stercorea
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
o__Clostridiales	f__[Mogibacteriaceae]	g__Anaerovorax	s__
NA	NA	NA	NA
o__Clostridiales	f__Clostridiaceae	g__	s__
o__Clostridiales	f__Ruminococcaceae	g__	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
o__Aeromonadales	f__Succinivibrionaceae	g__Succinivibrio	s__
o__Clostridiales	f__	g__	s__
o__Bacteroidales	f__Porphyromonadaceae	g__Parabacteroides	s__
o__Clostridiales	f__[Mogibacteriaceae]	g__	s__
o__Bacteroidales	f__S24-7	g__	s__
o__Bacteroidales	f__Prevotellaceae	g__Prevotella	s__copri
o__Clostridiales	f__Lachnospiraceae	g__	s__
NA	NA	NA	NA

Table S12: Differentially abundant (DA) OTUs when comparing P (parenteral administrated) vs. C (con				
OTU	+samples in group 0	+samples in group 1	counts in group 0	
	309745	2	14	13
New.ReferenceOTU741		8	15	64
New.ReferenceOTU214		2	10	11
New.ReferenceOTU8750		12	12	55
	318997	2	11	3
	30569	13	11	486
	24271	8	18	14
New.ReferenceOTU8969		8	8	10
New.ReferenceOTU3115		15	13	45
	703741	24	23	4098
	297140	21	20	1575
	305187	17	18	141
New.ReferenceOTU10736		8	4	42
	581474	24	21	2467
New.ReferenceOTU10893		2	8	24
	300123	15	15	98
	298358	17	13	155
New.ReferenceOTU9646		3	7	5
	99414	4	15	66
	569826	9	16	21
	196800	8	5	105
	510286	5	9	6
	588216	5	6	15
	530928	14	10	104
	197539	11	3	46
New.ReferenceOTU4443		12	11	18
	157455	9	12	18
New.ReferenceOTU3800		6	5	11
	589852	24	23	3038
	340809	10	15	18
	367813	8	8	30
New.CleanUp.ReferenceOTU127916		12	7	17
	1026524	8	10	14
	577406	4	9	4
	4453903	5	9	10
	302975	14	7	68
	70580	3	8	9
New.ReferenceOTU10891		8	5	36
New.ReferenceOTU6230		10	17	24
New.ReferenceOTU1755		12	6	88
	555101	9	16	19
	588197	24	23	3219
New.CleanUp.ReferenceOTU121714		20	22	219
New.ReferenceOTU8919		16	16	51
New.ReferenceOTU2200		4	7	7
	175377	5	10	8
New.ReferenceOTU4092		11	6	31
	4334844	17	11	100
New.ReferenceOTU490		4	15	6

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2		333028	8	14
3	New.ReferenceOTU121	11	13	17
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trol) group at T2. DA OTUs were used to be plotted in the Venn diagram (Figure 4).

counts in group 1	oddsRatio	lower	upper	fisherP	fisherAdjP
490	0.06276304	0.005798061	0.354174605	0.000178525	0.088370071
643	0.274825054	0.066922494	1.033520731	0.042219902	0.946870624
258	0.123818079	0.011460531	0.71052471	0.007840548	0.581704602
589	0.918366454	0.251477399	3.334965614	1	1
84	0.104437924	0.009711672	0.592675367	0.003351363	0.482234191
171	1.282271981	0.354008093	4.716612249	0.773240215	1
157	0.145803078	0.03010243	0.59715696	0.003156959	0.482234191
59	0.938805537	0.236886687	3.713680194	1	1
337	1.275260714	0.342414377	4.824107814	0.770160207	1
1211	0	0 Inf		1	1
2002	1.048932019	0.125256502	8.785856462	1	1
1005	0.680282356	0.140692727	3.058911126	0.7399675	1
4	2.331630361	0.507725329	12.64004132	0.317659078	1
674	Inf	0.197543073	Inf	0.234042553	0.950278054
107	0.176929317	0.016138635	1.058331175	0.036329609	0.946870624
522	0.891120544	0.228292071	3.43115159	1	1
523	1.843134486	0.478812772	7.4691501	0.371468812	1
30	0.334419902	0.04816734	1.754854189	0.168091512	0.950278054
409	0.112888198	0.020519085	0.492893119	0.001022224	0.253000498
134	0.270660639	0.065137014	1.02368544	0.041463591	0.946870624
11	1.777545338	0.411222286	8.437402558	0.517082499	1
38	0.417364627	0.08869861	1.757139351	0.212384552	0.950278054
27	0.750302055	0.150856017	3.56732841	0.7399675	1
28	1.796635701	0.495105474	6.765740791	0.386809339	1
3	5.430091142	1.139432814	36.15503591	0.024300894	0.891032788
83	1.088889948	0.299853167	3.97650049	1	1
119	0.557139615	0.14669039	2.037343837	0.385159207	1
25	1.195355129	0.251330697	5.937937908	1	1
1375	0	0 Inf		1	1
75	0.389158057	0.098913414	1.435550297	0.14680683	0.946870624
72	0.938805537	0.236886687	3.713680194	1	1
32	2.244953847	0.59655991	9.031719776	0.237523899	0.950278054
45	0.656045788	0.168535033	2.475431645	0.555643067	1
30	0.319131289	0.059392258	1.428737661	0.11071771	0.946870624
36	0.417364627	0.08869861	1.757139351	0.212384552	0.950278054
16	3.117670261	0.829685399	12.73715914	0.079770223	0.946870624
28	0.275581692	0.040330739	1.393901187	0.093307729	0.946870624
6	1.777545338	0.411222286	8.437402558	0.517082499	1
113	0.260148539	0.060278381	1.005122047	0.03921026	0.946870624
10	2.769170687	0.715454292	11.78766091	0.135095437	0.946870624
69	0.270660639	0.065137014	1.02368544	0.041463591	0.946870624
1569	0	0 Inf		1	1
79	0.233846042	0.004423749	2.625878821	0.34751773	1
155	0.877490607	0.213144263	3.543052417	1	1
20	0.464869715	0.084066921	2.220008841	0.317659078	1
41	0.350254908	0.074956751	1.447178164	0.12458137	0.946870624
7	2.352340926	0.602886659	10.01131017	0.227018416	0.950278054
37	2.59298661	0.686178041	10.53178118	0.142453803	0.946870624
34	0.112888198	0.020519085	0.492893119	0.001022224	0.253000498

45	0.32972193	0.082300049	1.226502157	0.081980221	0.946870624
34	0.6569243	0.176611823	2.378916274	0.563923491	1

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4	(Intercept)	ATB_GROUP_T2_PARENTERALvsCONTROLPARENTERAL_ATB
5	0.770094979	3.105497246
6	1.721502283	2.771720525
7	0.693638253	2.758807639
8	1.76764105	2.146735341
9	0.351848346	2.125637389
10	4.276494264	-2.043509236
11	0.934936399	2.014508747
12	0.518689588	1.964718039
13	1.433843997	1.886214585
14	7.092577915	-1.82021512
15	4.591908151	1.77128744
16	2.562427857	1.766102417
17	2.20986121	-1.717719655
18	6.087964254	-1.696569881
19	0.894694813	1.667318659
20	2.161269558	1.633193386
21	2.570205333	1.594624404
22	0.598518469	1.578198516
23	1.41100255	1.5781805
24	1.065289969	1.485905802
25	2.295039749	-1.437079022
26	0.53853511	1.423856867
27	1.117368667	1.407952217
28	2.693083659	-1.368330683
29	1.739509226	-1.358145741
30	1.025636101	1.298734265
31	0.94856365	1.296740561
32	0.916004446	1.273470412
33	6.724484843	-1.250642222
34	1.086970708	1.230205285
35	1.790619647	1.203530741
36	0.957712176	1.186409862
37	1.169302758	1.182674766
38	0.424592987	1.160030826
39	0.71093082	1.158319652
40	2.185425387	-1.148050972
41	0.636240092	1.13922322
42	1.879092479	-1.098819826
43	1.294993052	1.091839951
44	2.103550809	-1.085113621
45	1.090660071	1.070015849
46	6.810770402	-1.063250289
47	2.933002491	-1.057266299
48	1.729728867	1.05524742
49	0.755756206	1.04510257
50	0.714914237	1.040548278
51	1.821250785	-0.986987513
52	2.565051604	-0.965710085
53	0.577622322	0.957112785

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2	1.024035041	0.845450399
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normFactor_T2_PARENTERALvsCONTROL	pvalues	adjPvalues	Kingdom	Phylum
2.247344446	5.73E-06	0.000944711	k__Bacteria	p__Firmicutes
3.993814343	5.64E-07	0.000139688	k__Bacteria	p__Firmicutes
2.038584095	3.15E-05	0.00346867	k__Bacteria	p__Proteobacteria
3.440175074	7.43E-05	0.00612986	k__Bacteria	p__Firmicutes
0.49952765	1.85E-06	0.000365735	k__Bacteria	p__Firmicutes
-1.325720526	0.000449502	0.016481755	k__Bacteria	p__Proteobacteria
1.394794035	3.54E-08	3.51E-05	k__Bacteria	p__Firmicutes
-1.129198139	2.92E-07	0.000115347	k__Bacteria	p__Bacteroidetes
-1.533597546	0.000125397	0.008276171	k__Bacteria	p__Firmicutes
0.376537859	3.50E-07	0.000115347	k__Bacteria	p__Firmicutes
2.884121501	0.000760097	0.023515487	k__Bacteria	p__Spirochaetes
-0.437671183	0.001330806	0.034671001	k__Bacteria	p__Firmicutes
-0.58100253	1.73E-05	0.002145921	k__Bacteria	p__Bacteroidetes
0.339020801	0.000164618	0.008577473	k__Bacteria	p__Firmicutes
2.672272605	0.001575116	0.037127744	k__Bacteria	p__Spirochaetes
2.292880111	0.001555942	0.037127744	k__Bacteria	p__Firmicutes
3.352163647	0.002314271	0.046757727	k__Bacteria	p__Bacteroidetes
0.967051904	1.04E-05	0.001475033	k__Bacteria	p__Bacteroidetes
-3.112387947	0.002096421	0.044006145	k__Bacteria	p__Firmicutes
1.164943875	9.75E-05	0.007240214	k__Bacteria	p__Firmicutes
3.414410727	0.000544389	0.0185843	k__Bacteria	p__Bacteroidetes
0.503291641	4.39E-05	0.00395411	k__Bacteria	p__Firmicutes
1.182969879	0.000241948	0.010586142	k__Bacteria	p__Proteobacteria
0.823831416	0.000206723	0.010103994	k__Bacteria	p__Firmicutes
0.660393147	0.000163251	0.008577473	k__Bacteria	p__Firmicutes
1.218352711	0.000245941	0.010586142	k__Bacteria	p__Firmicutes
-0.754390717	0.00205508	0.044006145	k__Bacteria	p__Firmicutes
0.754421147	0.000871933	0.025388631	k__Bacteria	p__Bacteroidetes
0.726710447	0.000675307	0.021566261	k__Bacteria	p__Firmicutes
0.313142391	4.17E-05	0.00395411	k__Bacteria	p__Firmicutes
0.770258384	0.001829776	0.041169949	k__Bacteria	p__Firmicutes
-0.666022739	0.00016078	0.008577473	k__Bacteria	p__Bacteroidetes
0.992683243	0.000102387	0.007240214	k__Bacteria	p__Firmicutes
0.172678687	0.00036002	0.014179074	k__Bacteria	p__Firmicutes
0.546181555	0.000658339	0.021566261	k__Bacteria	p__Firmicutes
0.283254285	0.001007072	0.028314016	k__Bacteria	p__Firmicutes
0.058134004	0.001879739	0.041354249	k__Bacteria	p__Proteobacteria
-1.288337973	0.001248711	0.033411454	k__Bacteria	p__Bacteroidetes
1.049192698	0.001029601	0.028314016	k__Bacteria	p__Firmicutes
-2.494236874	0.000214327	0.010103994	k__Bacteria	p__Bacteroidetes
1.298019837	0.000155245	0.008577473	k__Bacteria	p__Firmicutes
1.943483302	0.000851402	0.025388631	k__Bacteria	p__Firmicutes
-0.918197568	0.001378485	0.034992304	k__Bacteria	p__Bacteroidetes
0.302241631	0.00252081	0.048933379	k__Bacteria	p__Firmicutes
0.610850564	0.001638243	0.037717688	k__Bacteria	p__Bacteroidetes
0.742067715	0.002133631	0.044006145	k__Bacteria	p__Firmicutes
0.518738055	0.000499738	0.017669297	k__Bacteria	p__Bacteroidetes
0.980698837	0.001555788	0.037127744	k__Bacteria	p__Firmicutes
0.114031909	0.00031999	0.013199601	k__Bacteria	p__Firmicutes

0.413736862	0.002484052	0.048933379	k__Bacteria	p__Bacteroidetes
-0.343241678	0.00037238	0.014179074	k__Bacteria	p__Bacteroidetes

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4	Class	Order	Family	Genus
5	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
6	c__Clostridia	o__Clostridiales	f__Veillonellaceae	g__Anaerovibrio
7	c__Deltaproteobacteria	o__Desulfovibrionales	f__Desulfovibrionaceae	g__Desulfovibrio
8	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__Coprococcus
9	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Ruminococcus
10	c__Deltaproteobacteria	o__Desulfovibrionales	f__Desulfovibrionaceae	g__Desulfovibrio
11	c__Bacilli	o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus
12	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
13	c__Clostridia	o__Clostridiales	f__	g__
14	c__Bacilli	o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus
15	c__Spirochaetes	o__Spirochaetales	f__Spirochaetaceae	g__Treponema
16	c__Clostridia	o__Clostridiales	f__	g__
17	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
18	c__Bacilli	o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus
19	c__Spirochaetes	o__Spirochaetales	f__Spirochaetaceae	g__Treponema
20	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__Coprococcus
21	c__Bacteroidia	o__Bacteroidales	f__	g__
22	c__Bacteroidia	o__Bacteroidales	f__Bacteroidaceae	g__Bacteroides
23	c__Clostridia	o__Clostridiales	f__Christensenellaceae	g__
24	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Oscillospira
25	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
26	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
27	c__Gammaproteobacteria	o__Enterobacteriales	f__Enterobacteriaceae	g__
28	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Ruminococcus
29	c__Clostridia	o__Clostridiales	f__	g__
30	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
31	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
32	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
33	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
34	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
35	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
36	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
37	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
38	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__
39	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
40	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Oscillospira
41	c__Clostridia	o__Clostridiales	f__Lachnospiraceae	g__Dorea
42	c__Clostridia	o__Clostridiales	f__	g__
43	c__Bacilli	o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus
44	c__Gammaproteobacteria	o__Pasteurellales	f__Pasteurellaceae	g__Actinobacillus
45	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
46	c__Clostridia	o__Clostridiales	f__	g__
47	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
48	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
49	c__Bacilli	o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus
50	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
51	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
52	c__Bacilli	o__Lactobacillales	f__Lactobacillaceae	g__Lactobacillus
53	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
54	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__
55	c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
56	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Oscillospira
57	c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]
58	c__Clostridia	o__Clostridiales	f__	g__
59	c__Clostridia	o__Clostridiales	f__Ruminococcaceae	g__Oscillospira
60				

c__Bacteroidia	o__Bacteroidales	f__Prevotellaceae	g__Prevotella
c__Bacteroidia	o__Bacteroidales	f__[Paraprevotellaceae]	g__[Prevotella]

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4	Species
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Table S13: Differentially abundant (DA) OTUs when comparing O (oral administrated) vs. C (control) g									
OTU	+samples i	+samples i	counts in g	counts in g	oddsRatio	lower	upper	fisherP	
297140	21	20	1575	7035	1.048932	0.125257	8.785856	1	
New.Cleanl	12	10	358	1940	1.29273	0.356021	4.775718	0.772482	
74192	7	15	21	1166	0.227528	0.053478	0.872206	0.019855	
346606	17	2	591	17	23.2773	4.057289	256.6691	1.71E-05	
16733	6	12	32	484	0.313743	0.073021	1.220527	0.075346	
846386	7	3	173	17	2.687356	0.512614	18.62434	0.286466	
712142	18	23	132	1192	0	0	0.779392	0.021936	
349257	13	19	33	663	0.256528	0.048491	1.109489	0.059884	
471412	0	11	0	187	0	0	0.25099	7.76E-05	
1038455	6	8	132	460	0.631336	0.14441	2.621043	0.53433	
46910	19	12	443	44	3.387541	0.829896	15.79507	0.068707	
879327	14	10	413	1226	1.796636	0.495105	6.765741	0.386809	
20534	24	23	2674	10937	0	0	Inf	1	
New.Referc	7	11	204	509	0.457099	0.112925	1.738215	0.237524	
New.Referc	8	18	64	381	0.145803	0.030102	0.597157	0.003157	
306124	5	9	7	126	0.417365	0.088699	1.757139	0.212385	
New.Referc	12	3	125	4	6.387792	1.350936	42.49331	0.011361	
322004	14	3	739	82	8.848168	1.876451	59.28464	0.002049	
350666	12	19	44	347	0.218021	0.041228	0.935377	0.030477	
509416	18	2	141	5	28.41416	4.84616	318.7432	4.56E-06	
New.Referc	7	6	63	200	1.162846	0.269128	5.168522	1	
324283	24	19	12733	2912	Inf	0.73088	Inf	0.049645	
516159	23	21	1297	188	2.155231	0.104991	134.6392	0.608511	
157455	9	14	18	184	0.393908	0.100936	1.446926	0.148247	
993934	19	21	869	1577	0.369555	0.031652	2.590183	0.415801	
New.Referc	12	19	117	241	0.218021	0.041228	0.935377	0.030477	
313423	10	9	406	88	1.108622	0.297262	4.176336	1	
New.Referc	22	20	1049	1461	1.632591	0.168619	21.43219	0.666172	
46566	13	11	56	1534	1.282272	0.354008	4.716612	0.77324	
425675	19	4	305	25	16.58206	3.524105	102.0343	3.06E-05	
New.Referc	21	12	480	90	6.152446	1.285235	41.22327	0.011361	
359779	7	17	17	479	0.15242	0.032967	0.61078	0.00341	
New.Referc	11	17	154	671	0.306811	0.071752	1.18374	0.075346	
307722	10	11	71	420	0.783387	0.211335	2.861135	0.772482	
New.Referc	20	19	762	1277	1.051509	0.169522	6.52293	1	
New.Referc	5	10	17	52	0.350255	0.074957	1.447178	0.124581	
New.Referc	12	6	88	16	2.769171	0.715454	11.78766	0.135095	
New.Cleanl	20	14	670	134	3.133507	0.699919	16.83721	0.110718	
New.Cleanl	22	19	632	139	2.275414	0.288636	27.80484	0.415801	
New.Referc	7	10	28	63	0.542554	0.133884	2.088499	0.371469	
179806	21	13	660	191	5.187601	1.071222	34.82361	0.024301	
New.Cleanl	24	23	3006	1488	0	0	Inf	1	
703741	24	23	4098	1596	0	0	Inf	1	
354461	14	2	93	7	13.78467	2.466789	147.9298	0.000509	
New.Referc	15	16	518	619	0.7341	0.180678	2.880186	0.760109	
297260	10	14	28	249	0.467044	0.121848	1.703605	0.247648	
524575	22	22	1599	1507	0.507182	0.008119	10.411	1	
40798	17	22	165	409	0.115089	0.002351	1.033874	0.047924	
356138	7	8	39	137	0.776338	0.18814	3.132097	0.760109	

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2	523751	11	12	33	141	0.779866	0.212017	2.824794	0.77324
3	309433	18	19	58	320	0.637772	0.112645	3.215695	0.723793
4	304531	11	4	188	12	3.898213	0.901316	20.62247	0.059884
5	533298	13	22	58	293	0.056967	0.001201	0.471135	0.001797
6	New.Refer	4	14	6	92	0.135164	0.025006	0.584822	0.002683
7	293013	17	17	575	854	0.859959	0.193479	3.71571	1
8	New.Refer	7	16	14	82	0.187707	0.042648	0.732305	0.008672
9	528692	24	22	1712	2533	Inf	0.026756	Inf	0.489362
10	New.Cleanl	6	10	11	55	0.441288	0.102782	1.74861	0.227018
11	New.Refer	15	1	45	4	33.65427	4.09923	1595.355	2.85E-05
12	New.Cleanl	21	21	725	1257	0.67239	0.051235	6.510321	1
13	New.Refer	24	22	1302	552	Inf	0.026756	Inf	0.489362
14	New.Refer	19	20	494	614	0.576803	0.078526	3.448309	0.700776
15	638485	11	17	138	260	0.306811	0.071752	1.18374	0.075346
16	364736	18	4	104	24	13.23625	2.918435	77.0944	0.000111
17	333028	8	13	17	83	0.39282	0.099633	1.454215	0.146807
18	588197	24	23	3219	1175	0	0	Inf	1
19	323200	13	7	79	8	2.642747	0.704447	10.68807	0.142454
20	4306043	3	11	39	89	0.162537	0.024258	0.778068	0.011361
21	New.Refer	3	10	4	28	0.192767	0.028716	0.933513	0.024301
22	569826	9	12	21	105	0.55714	0.14669	2.037344	0.385159
23	New.Refer	9	6	29	7	1.68079	0.416579	7.234206	0.53433
24	New.Refer	4	13	9	55	0.160808	0.029972	0.693135	0.006484
25	355630	22	20	314	406	1.632591	0.168619	21.43219	0.666172
26	352852	24	23	428	1287	0	0	Inf	1
27	539601	10	14	28	115	0.467044	0.121848	1.703605	0.247648
28	347085	10	3	116	4	4.603767	0.95378	30.7879	0.048991
29	New.Refer	5	12	13	59	0.249147	0.053318	1.01061	0.035512
30	535601	24	22	330	791	Inf	0.026756	Inf	0.489362
31	337057	13	7	103	17	2.642747	0.704447	10.68807	0.142454
32	New.Refer	8	16	43	98	0.226658	0.053314	0.867775	0.019855
33	New.Refer	15	5	283	32	5.749193	1.419682	27.30865	0.007664
34	109413	2	15	7	85	0.052533	0.004814	0.298581	5.78E-05
35	342638	22	21	316	148	1.046601	0.069913	15.66846	1
36	72926	24	23	1347	3114	0	0	Inf	1
37	70580	3	12	9	90	0.137283	0.020523	0.653032	0.00499
38	New.Cleanl	2	8	3	23	0.176929	0.016139	1.058331	0.03633
39	558458	10	14	40	125	0.467044	0.121848	1.703605	0.247648
40	316037	15	6	106	11	4.554572	1.171322	19.95219	0.01893
41	New.Refer	9	12	21	94	0.55714	0.14669	2.037344	0.385159
42	New.Refer	16	1	83	1	39.97923	4.833992	1902.446	8.48E-06
43	New.Refer	15	10	95	106	2.130432	0.582881	8.175768	0.247648
44	515299	15	14	167	45	1.069847	0.281828	4.070736	1
45	New.Refer	15	9	119	35	2.538665	0.69112	9.907292	0.148247
46	29495	22	16	188	287	4.657209	0.751966	51.74074	0.072265
47	581474	24	23	2467	1294	0	0	Inf	1
48	568118	24	23	33335	18659	0	0	Inf	1
49	New.Refer	4	15	6	47	0.112888	0.020519	0.492893	0.001022
50	New.Cleanl	11	1	26	3	17.5541	2.122534	832.6803	0.001797
51	759751	19	15	270	66	1.996127	0.461402	9.501345	0.341163
52	163857	8	3	19	3	3.249485	0.643366	22.14722	0.168092
53	921813	18	18	96	206	0.836571	0.168409	3.978822	1

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2	189312	24	23	564	1050	0	0	Inf	1
3	New.Referenc	13	7	85	41	2.642747	0.704447	10.68807	0.142454
4	314204	11	6	39	8	2.352341	0.602887	10.01131	0.227018
5	New.Referenc	8	9	36	17	0.781966	0.199678	3.007657	0.766128
6	293665	8	13	27	72	0.39282	0.099633	1.454215	0.146807
7	335527	16	22	116	191	0.095161	0.001967	0.827653	0.022609
8	New.Referenc	16	20	167	226	0.307741	0.045152	1.554326	0.168092
9	311173	13	9	65	11	1.814397	0.4984	6.872912	0.385159
10	987581	24	23	919	1158	0	0	Inf	1
11	345763	9	7	23	42	1.362211	0.3472	5.534694	0.760109
12	369182	14	5	68	13	4.853848	1.205911	22.75716	0.017128
13	New.Referenc	5	10	6	35	0.350255	0.074957	1.447178	0.124581
14	531436	15	9	73	18	2.538665	0.69112	9.907292	0.148247
15	New.Referenc	20	15	219	81	2.610839	0.567848	14.18965	0.193019
16	522591	24	23	1170	1500	0	0	Inf	1
17	New.Referenc	8	9	10	49	0.781966	0.199678	3.007657	0.766128
18	196392	12	1	42	1	20.63398	2.51298	976.3722	0.000699
19	New.Referenc	19	20	280	211	0.576803	0.078526	3.448309	0.700776
20	New.Referenc	13	19	48	109	0.256528	0.048491	1.109489	0.059884
21	New.Referenc	3	9	6	31	0.229619	0.03396	1.132039	0.048991
22	New.Referenc	7	8	17	30	0.776338	0.18814	3.132097	0.760109
23	361727	20	5	80	19	16.53711	3.512431	101.7961	3.06E-05
24	555101	9	12	19	39	0.55714	0.14669	2.037344	0.385159
25	605577	19	21	93	184	0.369555	0.031652	2.590183	0.415801
26	New.Referenc	12	13	39	78	0.773557	0.209393	2.808825	0.772482
27	510286	5	6	6	13	0.750302	0.150856	3.567328	0.739967
28	204093	21	21	104	195	0.67239	0.051235	6.510321	1
29	New.Cleanl	7	12	25	64	0.385656	0.094951	1.457348	0.142454
30	New.Referenc	17	16	226	244	1.061103	0.252732	4.460835	1
31	New.Referenc	15	8	85	24	3.046109	0.820181	12.19196	0.08198
32	293717	15	14	72	34	1.069847	0.281828	4.070736	1
33	302144	10	5	39	6	2.519434	0.61136	11.71687	0.212385
34	350627	21	15	178	88	3.628688	0.717411	24.79498	0.093308
35	524117	10	5	26	6	2.519434	0.61136	11.71687	0.212385
36	295410	22	23	143	326	0	0	5.522388	0.489362
37	4334844	17	10	100	30	3.076792	0.814894	12.60681	0.07977
38	4358599	8	9	12	31	0.781966	0.199678	3.007657	0.766128
39	New.Referenc	11	16	19	41	0.378394	0.093562	1.419554	0.142454
40	345899	20	15	114	51	2.610839	0.567848	14.18965	0.193019
41	175377	5	14	8	32	0.176499	0.037055	0.718034	0.007664
42	New.Referenc	10	16	22	62	0.320752	0.07851	1.205276	0.07977
43	518040	11	11	18	42	0.924651	0.252721	3.368783	1
44	269611	5	12	14	30	0.249147	0.053318	1.01061	0.035512
45	560535	24	23	880	539	0	0	Inf	1
46	New.Referenc	17	10	47	15	3.076792	0.814894	12.60681	0.07977
47	588216	5	11	15	28	0.295199	0.063311	1.20497	0.068707
48	337784	18	12	62	20	2.689397	0.687018	11.52343	0.135095
49	New.Referenc	8	11	12	25	0.552632	0.142109	2.060143	0.380129
50	359175	17	18	58	101	0.680282	0.140693	3.058911	0.739967
51	New.Referenc	21	20	132	208	1.048932	0.125257	8.785856	1
52	New.Referenc	23	11	84	25	23.39767	2.834303	1110.382	0.000257
53	351659	13	18	22	56	0.336386	0.072641	1.367852	0.124581

339504	18	17	56	77	1.057503	0.231442	4.836781	1
New.Referenc	14	15	39	47	0.751341	0.193959	2.835086	0.766128
270303	13	17	21	41	0.425108	0.099887	1.658687	0.227018
New.Referenc	12	13	26	33	0.773557	0.209393	2.808825	0.772482
938672	11	12	21	30	0.779866	0.212017	2.824794	0.77324
New.Cleanl	12	13	17	42	0.773557	0.209393	2.808825	0.772482
New.Referenc	10	8	18	20	1.330954	0.352723	5.155729	0.766128
291202	16	12	47	15	1.809522	0.485403	7.036843	0.380129
New.Cleanl	16	15	28	56	1.065183	0.269275	4.221428	1

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group at T2. DA OTUs were used to be plotted in the Venn diagram (Figure 4).

	fisherAdjP	(Intercept)	ATB_GROUnormFacto	pvalues	adjPvalues	Kingdom	Phylum	Class
1	1	4.229409	3.648336	3.672688	5.45E-07	0.000105	k__Bacteri	__Spirochc__Spirochi
2	1	2.288178	3.252387	2.995177	0.000371	0.007306	k__Bacteri	__Bacteroc__Bactero
3	0.347638	1.090119	3.15178	-1.96943	1.00E-06	0.00016	k__Bacteri	__Proteokc__Gamma
4	0.004912	3.762805	-2.81276	1.427421	4.39E-05	0.001958	k__Bacteri	__Firmicu c__Clostrid
5	0.559907	0.906356	2.697062	4.350159	5.67E-05	0.002102	k__Bacteri	__Bacteroc__Bactero
6	0.947995	3.630864	-2.62733	-1.05542	2.81E-05	0.001424	k__Bacteri	__Firmicu c__Clostrid
7	0.371457	2.549458	2.604563	0.867903	4.47E-08	4.31E-05	k__Bacteri	__Firmicu c__Clostrid
8	0.533968	1.439735	2.56628	-0.59964	1.92E-06	0.000185	k__Bacteri	__Firmicu c__Clostrid
9	0.009345	0.052752	2.47888	-2.17967	6.26E-06	0.000401	k__Bacteri	__Proteokc__Gamma
10	1	2.228437	2.430937	4.43405	0.000212	0.005517	k__Bacteri	__Spirochc__Spirochi
11	0.559907	4.015084	-2.41917	0.711958	2.61E-07	8.25E-05	k__Bacteri	__Firmicu c__Clostrid
12	0.955122	2.826985	2.364052	3.995533	0.00295	0.02706	k__Bacteri	__Firmicu c__Clostrid
13	1	5.21642	2.357185	0.316783	0.000994	0.012629	k__Bacteri	__Bacteroc__Bactero
14	0.848702	1.861674	2.344332	3.13043	0.003085	0.027576	k__Bacteri	__Bacteroc__Bactero
15	0.138189	1.485543	2.294057	3.031535	0.000188	0.005036	k__Bacteri	__Firmicu c__Clostrid
16	0.848702	0.652355	2.281898	1.330767	5.97E-06	0.000401	k__Bacteri	__Firmicu c__Clostrid
17	0.266856	2.257731	-2.27253	-2.70261	3.43E-07	8.25E-05	k__Bacteri	__Bacteroc__Bactero
18	0.103853	3.674742	-2.26832	1.034045	0.005475	0.037391	k__Bacteri	__Firmicu c__Clostrid
19	0.425346	1.453532	2.202778	-0.48023	3.90E-06	0.000313	k__Bacteri	__Firmicu c__Clostrid
20	0.004083	2.582089	-2.18943	-0.6332	1.26E-06	0.000171	k__Bacteri	__Firmicu c__Clostrid
21	1	1.198209	2.18062	3.845229	0.001546	0.016544	k__Bacteri	__Firmicu c__Clostrid
22	0.487842	7.739145	-2.16409	-3.04752	0.000667	0.010032	k__Bacteri	__Bacteroc__Bactero
23	1	4.83063	-2.14946	-0.52202	5.41E-05	0.002085	k__Bacteri	__Proteokc__Gamma
24	0.686357	1.032591	2.13325	-0.51198	1.85E-06	0.000185	k__Bacteri	__Firmicu c__Clostrid
25	0.993588	3.294589	2.067739	0.836954	0.002151	0.020919	k__Bacteri	__Bacteroc__Bactero
26	0.425346	1.83182	2.03933	3.983042	1.42E-06	0.000171	k__Bacteri	__Firmicu c__Clostrid
27	1	4.426547	-2.03879	-1.73679	0.000268	0.006011	k__Bacteri	__Firmicu c__Clostrid
28	1	3.174445	2.031498	0.574576	0.001821	0.018454	k__Bacteri	__Bacteroc__Bactero
29	1	1.205798	1.986131	3.012084	0.003544	0.02994	k__Bacteri	__Bacteroc__Bactero
30	0.004912	2.875429	-1.95054	-1.41046	0.000532	0.009323	k__Bacteri	__Firmicu c__Clostrid
31	0.266856	3.330476	-1.91672	-3.43029	0.000124	0.003723	k__Bacteri	__Bacteroc__Bactero
32	0.142764	0.967405	1.910993	-1.56188	0.000236	0.005681	k__Bacteri	__Proteokc__Gamma
33	0.559907	2.384715	1.874265	3.288415	0.004013	0.031678	k__Bacteri	__Proteokc__Deltapri
34	1	1.69199	1.843095	2.768573	0.004453	0.033499	k__Bacteri	__Firmicu c__Clostrid
35	1	3.642095	1.814502	2.239583	0.003831	0.030999	k__Bacteri	__Bacteroc__Bactero
36	0.686357	0.924607	1.800999	1.559934	3.08E-06	0.00027	k__Bacteri	__Bacteroc__Bactero
37	0.686357	2.299528	-1.79443	-2.82928	3.03E-07	8.25E-05	k__Bacteri	__Bacteroc__Bactero
38	0.674817	3.598121	-1.77191	-3.40842	0.000562	0.00955	k__Bacteri	__Bacteroc__Bactero
39	0.993588	3.673479	-1.75507	-3.03861	4.47E-05	0.001958	k__Bacteri	__Bacteroc__Bactero
40	0.955122	1.266801	1.717239	1.769704	5.85E-06	0.000401	k__Bacteri	__Bacteroc__Bactero
41	0.371457	4.343144	-1.7146	-0.69701	0.001794	0.018379	k__Bacteri	__Bacteroc__Bactero
42	1	6.071369	-1.71003	-3.28614	0.001708	0.017877	k__Bacteri	__Bacteroc__Bactero
43	1	7.069086	-1.70321	-0.23981	0.000111	0.003547	k__Bacteri	__Firmicu c__Bacilli
44	0.044527	2.297722	-1.68685	0.850319	0.000139	0.004056	k__Bacteri	__Firmicu c__Clostrid
45	1	2.882051	1.642868	4.866533	0.007595	0.046292	k__Bacteri	__Bacteroc__Bactero
46	0.848702	1.319857	1.634509	0.851364	0.000923	0.012134	k__Bacteri	__Proteokc__Epsilon
47	1	4.326905	1.608977	1.755313	0.003413	0.029087	k__Bacteri	__Firmicu c__Clostrid
48	0.487842	2.531199	1.60643	1.423672	0.000424	0.008005	k__Bacteri	__Firmicu c__Clostrid
49	1	1.093299	1.593325	2.740702	0.004987	0.035571	k__Bacteri	__Firmicu c__Clostrid

1							
2	1	1.373467	1.576465	1.911276	0.000719	0.010334	k__Bacteriap__Proteokc__Gamma
3	1	1.856353	1.552734	-0.04662	9.94E-05	0.003302	k__Bacteriap__Firmicu c__Clostrid
4	0.533968	2.562749	-1.54375	2.04068	0.00422	0.032328	k__Bacteriap__Firmicu c__Clostrid
5	0.101818	1.611191	1.52099	0.97672	0.000682	0.010099	k__Bacteriap__Proteokc__Gamma
6	0.123015	0.587223	1.508449	-0.56865	0.000529	0.009323	k__Bacteriap__Bacteroc__Bactero
7	1	3.74232	1.50753	4.039161	0.00493	0.035571	k__Bacteriap__Bacteroc__Bactero
8	0.245625	0.853399	1.507275	0.446557	1.60E-05	0.000907	k__Bacteriap__Firmicu c__Clostrid
9	1	5.366877	1.506517	2.73409	0.000124	0.003723	k__Bacteriap__Firmicu c__Clostrid
10	0.848702	0.928814	1.503616	0.916044	6.64E-05	0.002369	k__Bacteriap__Bacteroc__Bactero
11	0.004912	1.692558	-1.4783	-0.88911	2.26E-05	0.001208	k__Bacteriap__Firmicu c__Clostrid
12	1	4.051932	1.471918	3.931227	0.003985	0.031678	k__Bacteriap__Bacteroc__Bactero
13	1	5.061086	-1.46132	-2.98897	0.000312	0.006837	k__Bacteriap__Bacteroc__Bactero
14	1	3.518579	1.455953	3.961931	0.000637	0.009983	k__Bacteriap__Bacteroc__Bactero
15	0.559907	2.289148	1.424771	3.307612	0.004168	0.032328	k__Bacteriap__Fibroba c__Fibroba
16	0.011872	2.263035	-1.41779	-1.88049	0.000854	0.011589	k__Bacteriap__Firmicu c__Clostrid
17	0.686357	0.963687	1.417339	-0.06269	0.000357	0.007306	k__Bacteriap__Bacteroc__Bactero
18	1	6.638832	-1.41461	1.215487	0.000366	0.007306	k__Bacteriap__Firmicu c__Bacilli
19	0.686357	2.125372	-1.40552	0.354818	0.000248	0.005761	k__Bacteriap__Firmicu c__Erysipel
20	0.266856	0.848961	1.400831	3.093934	0.007658	0.046383	k__Bacteriap__Bacteroc__Bactero
21	0.371457	0.524213	1.396345	0.958486	6.66E-06	0.000401	k__Bacteriap__Bacteroc__Bactero
22	0.955122	0.855725	1.383448	2.560563	0.001286	0.01495	k__Bacteriap__Firmicu c__Clostrid
23	1	1.890892	-1.38011	-1.15832	5.32E-05	0.002085	k__Bacteriap__Bacteroc__Bactero
24	0.21531	0.924781	1.376116	1.407435	5.00E-05	0.002085	k__Bacteriap__Bacteroc__Bactero
25	1	3.04325	1.372829	2.289999	3.50E-05	0.001684	k__Bacteriap__Firmicu c__Clostrid
26	1	3.653105	1.371679	1.836202	0.006974	0.04431	k__Bacteriap__Firmicu c__Clostrid
27	0.848702	1.313036	1.369471	-0.31082	0.001216	0.014517	k__Bacteriap__Firmicu c__Clostrid
28	0.487842	2.143166	-1.3664	3.212228	0.000912	0.012134	k__Bacteriap__Firmicu c__Clostrid
29	0.46202	0.955246	1.366109	0.840205	0.000227	0.005594	k__Bacteriap__Bacteroc__Bactero
30	1	3.537581	1.365032	1.592561	0.000251	0.005761	k__Bacteriap__Firmicu c__Clostrid
31	0.686357	2.425884	-1.34258	0.348642	0.001395	0.015362	k__Bacteriap__Firmicu c__Clostrid
32	0.347638	1.327221	1.319646	2.287665	0.000528	0.009323	k__Bacteriap__Bacteroc__Bactero
33	0.235952	3.267928	-1.31178	2.586332	0.008395	0.049903	k__Bacteriap__Bacteroc__Bactero
34	0.007958	0.549023	1.307613	-1.2482	0.002594	0.024488	k__Bacteriap__Proteokc__Gamma
35	1	3.334394	-1.30605	-2.26154	0.000613	0.009983	k__Bacteriap__Bacteroc__Bactero
36	1	5.125328	1.305802	1.147059	0.007132	0.04431	k__Bacteriap__Firmicu c__Clostrid
37	0.171613	0.678347	1.298513	-1.78317	0.003093	0.027576	k__Bacteriap__Proteokc__Gamma
38	0.46202	0.364245	1.297902	-0.41803	0.000372	0.007306	k__Bacteriap__Bacteroc__Bactero
39	0.848702	1.315429	1.277993	0.66915	0.005966	0.039623	k__Bacteriap__Bacteroc__Bactero
40	0.347638	2.286727	-1.27105	1.48272	0.001581	0.016734	k__Bacteriap__Firmicu c__Clostrid
41	0.955122	1.091786	1.263434	0.787948	0.004978	0.035571	k__Bacteriap__Bacteroc__Bactero
42	0.004083	1.782259	-1.25626	2.655264	0.000717	0.010334	k__Bacteriap__Firmicu c__Clostrid
43	0.848702	1.703115	1.255961	1.055934	0.005311	0.036534	k__Bacteriap__Bacteroc__Bactero
44	1	2.917412	-1.25293	-0.01201	0.001379	0.015362	k__Bacteriap__Firmicu c__Clostrid
45	0.686357	2.283341	-1.25263	-3.06847	0.000347	0.007306	k__Bacteriap__Bacteroc__Bactero
46	0.559907	2.69245	1.24772	2.24464	0.001327	0.015034	k__Bacteriap__Firmicu c__Clostrid
47	1	6.080199	-1.24262	-0.86382	0.007029	0.04431	k__Bacteriap__Firmicu c__Bacilli
48	1	9.895578	-1.23917	-2.86397	0.001024	0.012812	k__Bacteriap__Bacteroc__Bactero
49	0.070314	0.55652	1.221763	0.275401	0.000149	0.00421	k__Bacteriap__Firmicu c__Clostrid
50	0.101818	1.414532	-1.21301	-0.57826	0.000224	0.005594	k__Bacteriap__Bacteroc__Bactero
51	0.955122	3.02193	-1.1883	0.089341	0.007384	0.045292	k__Bacteriap__Firmicu c__Clostrid
52	0.749408	1.663887	-1.18027	0.703384	8.88E-05	0.003056	k__Bacteriap__Proteokc__Gamma
53	1	2.033573	1.160857	2.406394	0.001209	0.014517	k__Bacteriap__Bacteroc__Bactero

1							
2	1	4.16483	1.146373	0.837765	0.001896	0.019019	k__Bacteriap__Firmicu c__Clostrid
3	0.686357	2.37062	-1.13642	-1.31434	0.007381	0.045292	k__Bacteriap__Bacteroc__Bactero
4	0.848702	1.789788	-1.1332	-0.17415	0.000635	0.009983	k__Bacteriap__Firmicu c__Clostrid
5	1	1.97231	-1.13288	-1.39904	0.000457	0.008467	k__Bacteriap__Bacteroc__Bactero
6	0.686357	1.173396	1.124559	2.015474	0.003697	0.030174	k__Bacteriap__Firmicu c__Clostrid
7	0.371457	2.119358	1.120148	3.190133	0.00286	0.026485	k__Bacteriap__Firmicu c__Clostrid
8	0.749408	2.427574	1.117693	3.4558	0.005239	0.036364	k__Bacteriap__Bacteroc__Bactero
9	0.955122	2.035691	-1.11409	0.72159	0.000644	0.009983	k__Bacteriap__Proteokc__Epsilon
10							
11	1	4.460006	1.109225	3.949665	0.005115	0.035955	k__Bacteriap__Bacteroc__Bactero
12	1	0.867226	1.105498	2.888406	0.002642	0.024697	k__Bacteriap__Firmicu c__Clostrid
13	0.347638	1.745002	-1.10198	-1.28511	0.004185	0.032328	k__Bacteriap__Firmicu c__Clostrid
14	0.686357	0.590931	1.09832	-0.47538	0.000805	0.011173	k__Bacteriap__Bacteroc__Bactero
15	0.686357	2.005841	-1.07813	-0.95525	0.001319	0.015034	k__Bacteriap__Firmicu c__Clostrid
16	0.826123	2.699791	-1.07564	-2.4916	0.004928	0.035571	k__Bacteriap__Bacteroc__Bactero
17							
18	1	4.993708	1.072204	2.590136	0.002431	0.02318	k__Bacteriap__Bacteroc__Bactero
19	1	0.798131	1.061177	-0.50573	0.001972	0.019377	k__Bacteriap__Bacteroc__Bactero
20	0.056068	1.44513	-1.05534	2.172578	0.001064	0.013137	k__Bacteriap__Firmicu c__Clostrid
21							
22	1	3.348112	-1.03964	-2.86063	0.006819	0.044075	k__Bacteriap__Bacteroc__Bactero
23	0.533968	1.419471	1.03367	1.837567	0.006819	0.044075	k__Bacteriap__Firmicu c__Clostrid
24	0.487842	0.82351	1.032937	1.142393	0.002299	0.022138	k__Bacteriap__Bacteroc__Bactero
25	1	1.079894	1.028039	1.992412	0.000997	0.012629	k__Bacteriap__Bacteroc__Bactero
26	0.004912	2.107084	-1.02351	0.119001	0.003346	0.028769	k__Bacteriap__Firmicu c__Clostrid
27	0.955122	0.917983	1.019526	2.116626	0.000388	0.007475	k__Bacteriap__Firmicu c__Clostrid
28	0.993588	2.044201	1.015871	1.713518	0.003646	0.030174	k__Bacteriap__Firmicu c__Erysipel
29							
30	1	1.296378	1.014189	1.681266	0.00704	0.04431	k__Bacteriap__Bacteroc__Bactero
31	1	0.675648	1.013681	1.318065	0.000629	0.009983	k__Bacteriap__Firmicu c__Clostrid
32	1	2.166341	1.008531	2.640232	0.000812	0.011173	k__Bacteriap__Firmicu c__Clostrid
33	0.686357	1.212496	0.999291	2.922988	0.007061	0.04431	k__Bacteriap__Bacteroc__Bactero
34	1	3.009008	0.995042	2.930174	0.005516	0.037407	k__Bacteriap__Bacteroc__Bactero
35	0.559907	1.970135	-0.99274	-1.86505	0.003315	0.028756	k__Bacteriap__Bacteroc__Bactero
36							
37	1	2.073992	-0.97558	-1.97841	0.000182	0.005011	k__Bacteriap__Bacteroc__Bactero
38	0.848702	1.397137	-0.9753	-1.26559	0.003932	0.031553	k__Bacteriap__Firmicu c__Clostrid
39	0.619692	2.7889	-0.96107	-2.27872	0.003673	0.030174	k__Bacteriap__Bacteroc__Bactero
40	0.848702	1.709424	-0.95644	0.670386	0.00073	0.010337	k__Bacteriap__Proteokc__Gamma
41	1	2.612955	0.939899	-0.54333	0.001754	0.018161	k__Bacteriap__Firmicu c__Clostrid
42	0.559907	2.503725	-0.92309	0.585894	0.004599	0.034328	k__Bacteriap__Firmicu c__Clostrid
43							
44	1	1.027316	0.914763	1.039855	0.001947	0.019331	k__Bacteriap__Bacteroc__Bactero
45	0.686357	0.899716	0.909063	1.323027	0.000653	0.009983	UnassignedNA NA
46	0.826123	2.361979	-0.90824	-2.19028	0.000565	0.00955	k__Bacteriap__Bacteroc__Bactero
47	0.235952	0.673057	0.892385	0.662337	0.000932	0.012134	k__Bacteriap__Firmicu c__Clostrid
48	0.559907	1.162248	0.887204	0.684006	0.003608	0.030174	UnassignedNA NA
49	1	1.039423	0.880804	0.694055	0.003088	0.027576	k__Bacteriap__Firmicu c__Clostrid
50	0.46202	0.784112	0.87085	1.280936	0.008207	0.049088	k__Bacteriap__Firmicu c__Clostrid
51							
52	1	4.985218	-0.86199	-0.89208	0.00712	0.04431	k__Bacteriap__Firmicu c__Clostrid
53	0.559907	1.736199	-0.8609	-0.47031	0.001221	0.014517	k__Bacteriap__Bacteroc__Bactero
54	0.559907	1.101505	0.801386	1.051436	0.005063	0.035853	k__Bacteriap__Proteokc__Gamma
55	0.686357	1.936916	-0.79989	-0.14366	0.001289	0.01495	k__Bacteriap__Firmicu c__Clostrid
56	0.955122	0.811603	0.782539	1.007095	0.004976	0.035571	k__Bacteriap__Bacteroc__Bactero
57							
58	1	1.652021	0.782313	-0.53981	0.005678	0.038235	k__Bacteriap__Firmicu c__Clostrid
59	1	2.542582	0.773417	1.147211	0.008155	0.049084	k__Bacteriap__Firmicu c__Clostrid
60	0.024705	2.001496	-0.76858	-0.64425	0.004971	0.035571	k__Bacteriap__Bacteroc__Bactero
	0.686357	1.17074	0.762564	0.253764	0.001463	0.015834	k__Bacteriap__Firmicu c__Clostrid

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2	1	1.660223	0.726758	1.285454	0.00592	0.039592	k__Bacteriap__Firmicu c__Clostrid
3	1	1.264735	0.715539	2.96901	0.003246	0.028415	k__Bacteriap__Firmicu c__Clostrid
4	0.848702	1.037289	0.715294	0.771868	0.001404	0.015362	k__Bacteriap__Firmicu c__Clostrid
5	1	1.096398	0.707418	1.605507	0.00423	0.032328	k__Bacteriap__Bacteroc__Bactero
6	1	1.02819	0.676956	1.329985	0.005249	0.036364	k__Bacteriap__Bacteroc__Bactero
7	1	1.105793	0.671814	-0.60099	0.003133	0.027681	k__Bacteriap__Bacteroc__Bactero
8	1	1.095435	0.662537	1.439858	0.006818	0.044075	k__Bacteriap__Bacteroc__Bactero
9							
10	0.955122	1.694913	-0.65998	0.597407	0.006588	0.043453	k__Bacteriap__Firmicu c__Clostrid
11	1	1.336936	0.649945	-0.39299	0.004404	0.033392	k__Bacteriap__Bacteroc__Bactero
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3				
4	Order	Family	Genus	Species
5	o__Spirochf__Spiroch	g__Trepon	s__	
6	o__Bacterof__Prevotel	g__Prevote	s__	
7	o__Pasteurf__Pasteur	g__Actinob	s__	
8	o__Clostridf__Lachnosg		Coprocc	s__
9	o__Bacterof__	g__	s__	
10	o__Clostridf__Lachnosg		Anaero	s__
11	o__Clostridf__Rumino	g__	s__	
12	o__Clostridf__Lachnosg		Lachno	s__
13	o__Pasteurf__Pasteur	g__Actinob	s__	
14	o__Spirochf__Spiroch	g__Trepon	s__	
15	o__Clostridf__Rumino	g__	s__	
16	o__Clostridf__Lachnosg		s__	
17	o__Bacterof__	[Parapre	g__	[Prevoti
18	o__Bacterof__Bacteroi	g__Bacteros		barnesia
19	o__Clostridf__Veillone	g__Anaero	s__	
20	o__Clostridf__Veillone	g__Mitsuok	s__	multacida
21	o__Bacterof__Prevotel	g__Prevote	s__	copri
22	o__Clostridf__Rumino	g__	s__	
23	o__Clostridf__	g__	s__	
24	o__Clostridf__Lachnos	NA		NA
25	o__Clostridf__Lachnosg		s__	
26	o__Bacterof__Prevotel	g__Prevote	s__	
27	o__Aeromcf__Succiniv	g__Succiniv	s__	
28	o__Clostridf__Rumino	g__	s__	
29	o__Bacterof__Prevotel	g__Prevote	s__	
30	o__Clostridf__[Mogiba	g__	s__	
31	o__Clostridf__Lachnosg		Butyrivi	s__
32	o__Bacterof__[Parapre	g__[Prevoti	s__	
33	o__Bacterof__Prevotel	g__Prevote	s__	
34	o__Clostridf__Lachnosg		Coprocc	s__
35	o__Bacterof__Prevotel	g__Prevote	s__	
36	o__Pasteurf__Pasteur	g__Actinob	s__	
37	o__GMD14f__	g__	s__	
38	o__Clostridf__Lachnosg		Coprocc	s__
39	o__Bacterof__[Parapre	g__[Prevoti	s__	
40	o__Bacterof__Prevotel	g__Prevote	s__	stercorea
41	o__Bacterof__Prevotel	g__Prevote	s__	copri
42	o__Bacterof__Prevotel	g__Prevote	s__	
43	o__Bacterof__Prevotel	g__Prevote	s__	copri
44	o__Bacterof__Prevotel	g__Prevote	s__	
45	o__Bacterof__[Parapre	g__	s__	
46	o__Bacterof__Prevotel	g__Prevote	s__	copri
47	o__Lactobaf__Lactoba	g__Lactoba	s__	
48	o__Clostridf__Lachnosg		s__	
49	o__Bacterof__Prevotel	g__Prevote	s__	
50	o__Campylf__Campyl	g__Campyl	s__	
51	o__Clostridf__Lachnosg		s__	
52	o__Clostridf__Rumino	g__	s__	
53	o__Clostridf__Lachnos	NA		NA

1 o__Aeromcf__Succinivg__Rumino s__
 2 o__Clostridf__Lachnosg__Lachnos s__
 3 o__Clostridf__Ruminoig__ s__
 4 o__Aeromcf__Succinivg__Succiniv s__
 5 o__Bacterof__[Parapreg__[Prevot s__
 6 o__Bacterof__S24-7 g__ s__
 7 o__Clostridf__[Mogibag__Anaero s__
 8 o__Clostridf__Lachnos g__ s__
 9 o__Bacterof__[Parapreg__[Prevot s__
 10 o__Clostridf__ g__ s__
 11 o__Bacterof__Prevotelg__Prevote s__
 12 o__Bacterof__Prevotelg__Prevote s__copri
 13 o__Bacterof__Porphyrg__Parabac s__
 14 o__Fibroba f__Fibroba g__Fibroba s__succinogenes
 15 o__Clostridf__ g__ s__
 16 o__Bacterof__Prevotelg__Prevote s__copri
 17 o__Lactobaf__Lactoba g__Lactoba s__
 18 o__Erysipelf__Erysipel g__p-75-a5 s__
 19 o__Bacterof__S24-7 g__ s__
 20 o__Bacterof__Rikenell NA NA
 21 o__Clostridf__Ruminoig__Oscillos s__
 22 o__Bacterof__S24-7 g__ s__
 23 o__Bacterof__Prevotelg__Prevote s__
 24 o__Clostridf__Lachnos g__ s__
 25 o__Clostridf__Lachnos g__ s__
 26 o__Clostridf__Lachnos g__ s__
 27 o__Clostridf__Ruminoig__ s__
 28 o__Bacterof__Prevotelg__Prevote s__
 29 o__Clostridf__Lachnos g__ s__
 30 o__Clostridf__Christeng__ s__
 31 o__Bacterof__S24-7 g__ s__
 32 o__Bacterof__S24-7 g__ s__
 33 o__Pasteurf__Pasteurg__Actinob s__porcinus
 34 o__Bacterof__Prevotelg__Prevote s__copri
 35 o__Clostridf__Veilloneg__Anaero s__
 36 o__Pasteurf__Pasteurg__Actinob s__porcinus
 37 o__Bacterof__[Parapreg__[Prevot s__
 38 o__Bacterof__Prevotelg__Prevote s__
 39 o__Clostridf__Lachnosg__Coprocc s__
 40 o__Bacterof__Prevotelg__Prevote s__
 41 o__Clostridf__Ruminoig__Rumino s__
 42 o__Bacterof__ g__ s__
 43 o__Clostridf__ g__ s__
 44 o__Bacterof__Prevotelg__Prevote s__copri
 45 o__Clostridf__Ruminoig__ s__
 46 o__Lactobaf__Lactoba g__Lactoba s__
 47 o__Bacterof__Prevotelg__Prevote s__copri
 48 o__Clostridf__Ruminoig__Oscillos s__
 49 o__Bacterof__Prevotelg__Prevote s__copri
 50 o__Clostridf__Lachnos g__ s__
 51 o__Aeromcf__Succinivg__Succiniv s__
 52 o__Bacterof__Porphyrg__Parabac s__

- 1 o__Clostridf__Ruminoi g__ s__
- 2 o__Bacterof__Prevotel g__Prevotes__copri
- 3 o__Clostridf__Clostridi g__ s__
- 4 o__Bacterof__Prevotel g__Prevotes__stercorea
- 5 o__Clostridf__Lachnos g__ s__
- 6 o__Clostridf__ g__ s__
- 7 o__Bacterof__Porphyrg__Parabacs__
- 8 o__Campylf__Helicoba g__Helicob NA
- 9 o__Bacterof__Prevotel g__Prevotes__
- 10 o__Clostridf__Ruminoi g__ s__
- 11 o__Clostridf__Lachnos g__ s__
- 12 o__Bacterof__[Parapreg__[Prevotis__
- 13 o__Clostridf__Lachnos g__ s__
- 14 o__Bacterof__Prevotel g__Prevotes__copri
- 15 o__Bacterof__S24-7 g__ s__
- 16 o__Bacterof__Prevotel g__Prevotes__copri
- 17 o__Clostridf__Ruminoi g__ s__
- 18 o__Bacterof__Prevotel g__Prevotes__
- 19 o__Clostridf__Lachnos g__ s__
- 20 o__Bacterof__[Parapreg__[Prevotis__
- 21 o__Bacterof__Prevotel g__Prevotes__
- 22 o__Clostridf__ g__ s__
- 23 o__Clostridf__Ruminoi g__ s__
- 24 o__Erysipelf__Erysipel g__p-75-a5 s__
- 25 o__Bacterof__ g__ s__
- 26 o__Clostridf__Lachnos g__ s__
- 27 o__Clostridf__Ruminoi g__ Oscillos s__
- 28 o__Bacterof__[Parapreg__[Prevotis__
- 29 o__Bacterof__[Parapreg__ s__
- 30 o__Bacterof__Prevotel g__Prevotes__
- 31 o__Bacterof__Prevotel g__Prevotes__copri
- 32 o__Clostridf__Ruminoi g__ s__
- 33 o__Bacterof__Prevotel g__Prevotes__copri
- 34 o__Aeromcf__Succiniv g__Succiniv s__
- 35 o__Clostridf__ g__ s__
- 36 o__Clostridf__ g__ s__
- 37 o__Bacterof__S24-7 g__ s__
- 38 NA NA NA NA
- 39 o__Bacterof__Prevotel g__Prevotes__copri
- 40 o__Clostridf__Ruminoi g__ Oscillos s__
- 41 NA NA NA NA
- 42 o__Clostridf__ g__ s__
- 43 o__Clostridf__Ruminoi g__ s__
- 44 o__Clostridf__Ruminoi g__ s__
- 45 o__Bacterof__S24-7 g__ s__
- 46 o__Enterokf__Enterob g__ s__
- 47 o__Clostridf__[Mogibag__ s__
- 48 o__Bacterof__Porphyrg__Parabacs__
- 49 o__Clostridf__Ruminoi g__ s__
- 50 o__Clostridf__Ruminoi g__ Oscillos s__
- 51 o__Bacterof__Prevotel g__Prevotes__copri
- 52 o__Clostridf__Lachnos g__ s__

1 o__Clostridf__Lachnos g__ s__
2 o__Clostridf__Ruminoig__ s__
3 o__Clostridf__Ruminoig__Oscillos s__
4 o__Bacterof__Porphyr g__Parabacs__
5 o__Bacterof__Prevotelg__Prevotes__
6 o__Bacterof__Prevotelg__Prevotes__
7 o__Bacterof__Prevotelg__Prevotes__
8 o__Bacterof__[Parapreg__CF231 s__
9 o__Clostridf__Ruminoig__ s__
10 o__Bacterof__Prevotelg__Prevotes__
11 o__Bacterof__Prevotelg__Prevotes__
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Table S14: Differentially abundant (DA) OTUs when comparing P (parenteral administrated) vs. O (oral)									
OTU	+samples i	+samples i	counts in g	counts in g	oddsRatio	lower	upper	fisherP	
New.Referenc	1	13	4	337	0.037756	0.000794	0.312131	0.000226	
346606	2	14	17	304	0.065724	0.006056	0.372409	0.00044	
539202	10	7	387	185	1.736616	0.447501	7.080679	0.542001	
99414	2	15	17	409	0.055011	0.005027	0.313991	0.000148	
304531	4	10	12	712	0.28176	0.052588	1.245103	0.107509	
516159	21	20	188	2099	1.559631	0.160692	20.51515	1	
322004	3	15	82	591	0.085469	0.012422	0.412788	0.000662	
New.Referenc	11	10	509	147	1.187122	0.32085	4.442569	1	
New.Referenc	17	17	671	193	1	0.217548	4.596696	1	
531436	9	15	18	1048	0.351298	0.08707	1.319737	0.139244	
New.Cleanl	13	7	200	72	2.898623	0.761253	11.95118	0.136166	
366716	10	14	31	406	0.50229	0.129823	1.856705	0.376221	
300235	23	21	13408	6397	Inf	0.189163	Inf	0.488889	
46910	12	20	44	334	0.170568	0.025393	0.820381	0.023043	
New.Referenc	8	17	48	432	0.196023	0.043473	0.77869	0.016908	
323200	7	8	8	120	0.82386	0.198454	3.349322	1	
328825	3	9	11	110	0.240967	0.035512	1.193317	0.090934	
515299	14	14	45	195	1	0.260685	3.836048	1	
318997	1	11	6	84	0.052834	0.001109	0.440212	0.001668	
196800	10	5	55	11	2.707055	0.651184	12.70718	0.207811	
335267	4	10	6	181	0.28176	0.052588	1.245103	0.107509	
425675	4	17	25	234	0.079931	0.013658	0.36508	0.000275	
342638	21	19	148	360	2.173462	0.274918	26.61742	0.665154	
306124	9	6	126	11	1.797656	0.442084	7.807551	0.530214	
471412	11	5	187	10	3.212082	0.781931	15.04442	0.120451	
29495	16	16	287	160	1	0.236469	4.228878	1	
New.Referenc	8	16	19	155	0.24152	0.056426	0.933774	0.037682	
354957	5	11	11	240	0.311325	0.06647	1.278885	0.120451	
712142	23	16	1192	263	Inf	1.733033	Inf	0.009161	
297260	14	12	249	37	1.414888	0.380329	5.392888	0.766613	
364736	4	13	24	85	0.169159	0.031425	0.733197	0.013383	
New.Referenc	5	13	12	143	0.221597	0.04688	0.903581	0.033108	
New.Referenc	16	19	244	167	0.488932	0.088095	2.346279	0.49077	
341657	16	17	50	186	0.810505	0.181121	3.522335	1	
4315785	5	16	13	116	0.128328	0.025588	0.539415	0.002651	
350666	19	16	347	80	2.045275	0.426207	11.35141	0.49077	
524117	5	12	6	70	0.26278	0.055982	1.072711	0.065387	
197539	7	3	21	3	2.849774	0.540791	19.84495	0.283666	
316037	6	16	11	109	0.161799	0.034778	0.653834	0.007214	
New.Referenc	15	18	81	176	0.528316	0.110505	2.298826	0.513633	
358104	9	15	28	87	0.351298	0.08707	1.319737	0.139244	
649107	10	18	32	157	0.221597	0.04688	0.903581	0.033108	
New.Referenc	8	3	30	10	3.458426	0.680642	23.70093	0.165322	
845291	7	10	12	71	0.575833	0.141229	2.23463	0.542001	
100852	4	10	8	45	0.28176	0.052588	1.245103	0.107509	
New.Referenc	15	9	75	27	2.846583	0.757727	11.485	0.139244	
509416	2	13	5	64	0.078061	0.007217	0.441226	0.001207	
New.Referenc	3	8	4	20	0.289149	0.042192	1.4692	0.165322	
925131	23	23	1162	655	0	0	Inf	1	

New.Referenc	13	7	55	14	2.898623	0.761253	11.95118	0.136166
New.Referenc	10	11	63	28	0.842374	0.225095	3.116717	1
338757	15	8	55	19	3.414346	0.899181	14.12205	0.075768
196392	1	12	1	23	0.044672	0.000939	0.369996	0.000634
New.Referenc	11	18	25	89	0.26278	0.055982	1.072711	0.065387
172163	16	14	77	93	1.457066	0.368436	5.978432	0.75753
163857	3	10	3	28	0.202289	0.030007	0.984205	0.047176
New.Referenc	6	6	20	10	1	0.217548	4.596696	1
552380	17	12	113	34	2.542337	0.644816	10.95019	0.221401
33112	15	13	56	61	1.430789	0.375673	5.60812	0.763104
New.Referenc	8	4	21	4	2.482226	0.537136	13.54337	0.314098
New.Referenc	12	20	22	86	0.170568	0.025393	0.820381	0.023043

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al administrated) group at T2. DA OTUs were used to be plotted in the Venn diagram (Figure 4).

	fisherAdjP	(Intercept)	ATB_GROUnormFacto	pvalues	adjPvalues	Kingdom	Phylum	Class
	0.086825	0.161868	3.729861	-2.88301	7.77E-07	0.000383	k__Bacteri	__Firmicu c__Clostrid
	0.086825	0.556401	3.570792	-2.34326	6.70E-07	0.000383	k__Bacteri	__Firmicu c__Clostrid
	1	3.842973	-3.27958	6.84169	2.43E-05	0.005986	k__Bacteri	__Firmicu c__Clostrid
	0.086825	0.7276	2.768407	-2.03634	4.30E-06	0.001414	k__Bacteri	__Firmicu c__Clostrid
	0.764341	0.856655	2.685153	3.38468	0.000274	0.015985	k__Bacteri	__Firmicu c__Clostrid
	1	2.713961	2.464047	-0.60448	0.000225	0.014782	k__Bacteri	__Proteokc__Gamma
	0.093213	1.321723	2.44588	1.366889	0.002206	0.038834	k__Bacteri	__Firmicu c__Clostrid
	1	3.962281	-2.35896	3.388903	0.001816	0.033783	k__Bacteri	__Bacteroc__Bactero
	1	4.042915	-2.24932	3.941385	0.000772	0.025879	k__Bacteri	__Proteokc__Deltapr
	0.793609	0.965188	2.244146	-0.68754	0.00106	0.027462	k__Bacteri	__Firmicu c__Clostrid
	0.793609	3.046579	-2.1598	3.583779	0.000945	0.027164	k__Bacteri	__Bacteroc__Bactero
	1	1.117489	2.135875	-1.55776	0.0009	0.026932	k__Bacteri	__Firmicu c__Clostrid
	1	8.64474	-2.11102	1.121619	0.001806	0.033783	k__Bacteri	__Firmicu c__Clostrid
	0.445496	1.481243	1.994803	-0.45821	5.62E-05	0.007697	k__Bacteri	__Firmicu c__Clostrid
	0.398291	1.633588	1.900495	1.400508	0.001781	0.033783	k__Bacteri	__Bacteroc__Bactero
	1	0.594625	1.890188	-2.41206	0.000292	0.015985	k__Bacteri	__Firmicu c__Erysipel
	0.728948	0.683928	1.872338	-0.90885	0.000711	0.025033	k__Bacteri	__Firmicu c__Clostrid
	1	1.579406	1.862811	-1.10691	5.16E-05	0.007697	k__Bacteri	__Firmicu c__Clostrid
	0.117469	0.447763	1.849519	0.837276	0.000308	0.015985	k__Bacteri	__Firmicu c__Clostrid
	0.985935	1.970617	-1.80502	3.419455	6.25E-05	0.007697	k__Bacteri	__Bacteroc__Bactero
	0.764341	0.549474	1.786997	-0.5069	0.001086	0.027462	k__Bacteri	__Firmicu c__Clostrid
	0.086825	1.155387	1.785689	0.783911	0.001397	0.031311	k__Bacteri	__Firmicu c__Clostrid
	1	2.185692	1.773093	-2.49905	0.000493	0.020256	k__Bacteri	__Bacteroc__Bactero
	1	2.835389	-1.77027	0.1964	0.000866	0.026932	k__Bacteri	__Firmicu c__Clostrid
	0.793609	2.910258	-1.76554	-2.02472	0.000337	0.016517	k__Bacteri	__Proteokc__Gamma
	1	3.875707	-1.72819	3.882608	0.000112	0.009169	k__Bacteri	__Firmicu c__Clostrid
	0.516035	1.138665	1.727435	-0.37934	9.51E-05	0.008524	k__Bacteri	__Firmicu c__Clostrid
	0.793609	0.709056	1.725463	0.057723	0.002042	0.037287	k__Bacteri	__Firmicu c__Clostrid
	0.325535	4.942659	-1.67758	-1.45742	0.001774	0.033783	k__Bacteri	__Firmicu c__Clostrid
	1	2.923549	-1.65778	1.911069	0.000976	0.027164	k__Bacteri	__Proteokc__Epsilon
	0.377007	1.004843	1.632588	-1.29474	0.000787	0.025879	k__Bacteri	__Firmicu c__Clostrid
	0.516035	0.858297	1.629405	0.377353	0.002843	0.046715	k__Bacteri	__Bacteroc__Bactero
	1	3.796092	-1.62	2.988893	8.81E-05	0.008524	k__Bacteri	__Bacteroc__Bactero
	1	1.483074	1.615706	-0.55828	0.00019	0.013351	k__Bacteri	__Firmicu c__Clostrid
	0.163393	0.838533	1.588493	-0.55166	0.000435	0.018667	k__Bacteri	__Firmicu c__Clostrid
	1	3.704113	-1.49653	-0.31866	0.001346	0.031311	k__Bacteri	__Firmicu c__Clostrid
	0.627789	0.589991	1.470663	0.436409	0.000284	0.015985	k__Bacteri	__Proteokc__Gamma
	1	1.863444	-1.46509	0.560347	9.05E-05	0.008524	k__Bacteri	__Firmicu c__Clostrid
	0.296356	0.813266	1.431521	0.217706	0.000992	0.027164	k__Bacteri	__Firmicu c__Clostrid
	1	1.835766	1.423369	-2.49008	0.001541	0.032306	k__Bacteri	__Bacteroc__Bactero
	0.793609	1.165323	1.40928	-2.43385	0.000352	0.016517	k__Bacteri	__Firmicu c__Clostrid
	0.516035	1.111909	1.399823	-1.01365	0.002198	0.038834	k__Bacteri	__Firmicu c__Clostrid
	0.895644	2.079928	-1.38708	2.429745	0.001239	0.030541	k__Bacteri	__Bacteroc__Bactero
	1	0.838473	1.375658	-0.71928	0.001021	0.027206	k__Bacteri	__Firmicu c__Clostrid
	0.764341	0.558099	1.323032	-0.93539	0.002563	0.042896	k__Bacteri	__Bacteroc__Bactero
	0.793609	2.116086	-1.26524	2.862599	0.000421	0.018667	k__Bacteri	__Firmicu c__Clostrid
	0.117469	0.555615	1.252809	1.469641	0.001501	0.032306	k__Bacteri	__Firmicu c__Clostrid
	0.895644	0.37678	1.251438	0.152256	0.000177	0.013351	k__Bacteri	__Bacteroc__Bactero
	1	5.545919	-1.23911	0.64712	0.001536	0.032306	k__Bacteri	__Bacteroc__Bactero

0.793609	2.199423	-1.23159	1.71148	0.000614	0.022463	k__Bacteri	p__Bacteroc	__Bactero
1	2.695467	-1.22774	0.506165	0.002262	0.039127	k__Bacteri	p__Bacteroc	__Bactero
0.627789	1.77926	-1.21193	2.500341	0.000901	0.026932	k__Bacteri	p__Firmicu	c__Bacilli
0.093213	0.152276	1.202495	0.402378	4.00E-05	0.007697	k__Bacteri	p__Firmicu	c__Clostrid
0.627789	1.22841	1.158074	-0.87795	0.0006	0.022463	k__Bacteri	p__Bacteroc	__Bactero
1	2.264696	-1.13525	3.911817	0.002567	0.042896	k__Bacteri	p__Firmicu	c__Clostrid
0.581443	0.378948	1.118694	0.541702	0.000615	0.022463	k__Bacteri	p__Proteoc	__Gamma
1	1.345814	-1.10069	2.733284	0.001573	0.032306	k__Bacteri	p__Firmicu	c__Clostrid
0.985935	2.666208	-1.03174	-0.55548	0.001357	0.031311	k__Bacteri	p__Firmicu	c__Clostrid
1	1.504099	0.988688	-2.84919	0.001396	0.031311	k__Bacteri	p__Firmicu	c__Clostrid
1	1.647795	-0.98704	-0.64511	0.003018	0.048779	k__Bacteri	p__Bacteroc	__Bactero
0.445496	1.27443	0.912753	0.118669	0.001808	0.033783	k__Bacteri	p__Firmicu	c__Clostrid

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1				
2				
3				
4	Order	Family	Genus	Species
5	o__Clostridf__		g__	s__
6	o__Clostridf__	Lachnosg__	Coproccs__	
7	o__Clostridf__	Ruminoig__		s__
8	o__Clostridf__	Christeng__		s__
9	o__Clostridf__	Ruminoig__		s__
10	o__Aeromcf__	Succinivg__	Succinivs__	
11	o__Clostridf__	Ruminoig__		s__
12	o__Bacterof__	Bacteroig__	Bacteros__	barnesia
13	o__GMD14f__		g__	s__
14	o__Clostridf__	Lachnosg__		s__
15	o__Bacterof__	Prevotelg__	Prevotes__	
16	o__Clostridf__		g__	s__
17	o__Clostridf__	Lachnosg__	Rosebus__	
18	o__Clostridf__	Ruminoig__		s__
19	o__Bacterof__	S24-7	g__	s__
20	o__Erysipelf__	Erysipelg__	p-75-a5s__	
21	o__Clostridf__	Lachnosg__		s__
22	o__Clostridf__		g__	s__
23	o__Clostridf__	Ruminoig__	Ruminos__	
24	o__Bacterof__	Prevotelg__	Prevotes__	
25	o__Clostridf__		g__	s__
26	o__Clostridf__	Lachnosg__	Coproccs__	
27	o__Bacterof__	Prevotelg__	Prevotes__	copri
28	o__Clostridf__	Veilloneg__	Mitsuols__	multacida
29	o__Pasteurf__	Pasteurg__	Actinobs__	
30	o__Clostridf__	Ruminoig__		s__
31	o__Clostridf__	Ruminoig__		s__
32	o__Clostridf__		g__	s__
33	o__Clostridf__	Ruminoig__		s__
34	o__Campylf__	Campylg__	Campyls__	
35	o__Clostridf__		g__	s__
36	o__Bacterof__	Bacteroig__	Bacteros__	
37	o__Bacterof__	[Parapreg__		s__
38	o__Clostridf__	Veilloneg__	Anaeros__	
39	o__Clostridf__	Ruminoig__		s__
40	o__Clostridf__		g__	s__
41	o__Aeromcf__	Succinivg__	Succinivs__	
42	o__Clostridf__		g__	s__
43	o__Clostridf__	Lachnosg__	Coproccs__	
44	o__Bacterof__	Prevotelg__	Prevotes__	copri
45	o__Clostridf__	Lachnosg__		s__
46	o__Clostridf__	Lachnosg__		s__
47	o__Bacterof__	Prevotelg__	Prevotes__	
48	o__Clostridf__		g__	s__
49	o__Bacterof__	RF16	g__	s__
50	o__Clostridf__	Ruminoig__		s__
51	o__Clostridf__	Lachnos NA	NA	
52	o__Bacterof__	Prevotelg__	Prevotes__	copri
53	o__Bacterof__	Prevotelg__	Prevotes__	copri
54				
55				
56				
57				
58				
59				
60				

1 o__Bacterof__Prevoteg__Prevotes__
2 o__Bacterof__Prevoteg__Prevotes__
3 o__Lactobaf__Lactobag__Lactobas__mucosae
4 o__Clostridf__Ruminoig__s__
5 o__Bacterof__Prevoteg__Prevotes__copri
6 o__Clostridf__g__s__
7 o__Aeromcf__Succinivg__Succinivs__
8 o__Clostridf__g__s__
9 o__Clostridf__Ruminoig__Ruminos__
10 o__Clostridf__Ruminoig__s__
11 o__Bacterof__Prevoteg__Prevotes__copri
12 o__Clostridf__Ruminoig__s__

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