

Thorax

Longitudinal Profiling of the Lung Microbiome in the AERIS Study Demonstrates Repeatability of Bacterial and Eosinophilic COPD Exacerbations

Journal:	<i>Thorax</i>
Manuscript ID	thoraxjnl-2017-210408.R3
Article Type:	Original Article
Date Submitted by the Author:	27-Nov-2017
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Keywords:	COPD Æ Mechanisms, COPD Exacerbations, Respiratory Infection

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Confidential: For Review Only

Title:**Longitudinal Profiling of the Lung Microbiome in the AERIS Study Demonstrates Repeatability of Bacterial and Eosinophilic COPD Exacerbations**

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Funding sources: The study funder, GlaxoSmithKline Biologicals SA, designed the study in collaboration with the investigators, and coordinated collection, analysis, and interpretation of data. The investigators obtained data and cared for the study participants. The authors had full access to all data in the study, contributed to the writing of the report, and had final responsibility for the decision to submit for publication.

Short Running Title:

COPD Lung Microbiome and Exacerbation Modeling

Original article: Chronic obstructive pulmonary disease

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- 1 **Main body word count: 3,870**
- 2
- 3 Key messages
- 4 What is the key question?
- 5 What is the composition and stability of the lung microbiome in patients with COPD
- 6 when longitudinally sampled at stable and exacerbation events?
- 7 What is the bottom line?
- 8 The composition of the lung microbiome shows unique profiles within subtypes of
- 9 COPD exacerbations and the exacerbations experienced by an individual over time
- 10 are non-random.
- 11 Why read on?
- 12 These results describe a unique examination of the stability of the lung microbiome
- 13 in COPD and predictability of future exacerbations available within a large cohort
- 14 containing longitudinal sampling and clinical measurements over one year.

ABSTRACT

Background: Alterations in the composition of the lung microbiome associated with adverse clinical outcomes, known as dysbiosis, have been implicated with disease severity and exacerbations in chronic obstructive pulmonary disease (COPD).

Objective: To characterize longitudinal changes in the lung microbiome in the AERIS study (Acute Exacerbation and Respiratory Infections in COPD) and their relationship with associated COPD outcomes.

Methods: We surveyed 584 sputum samples from 101 COPD patients to analyze the lung microbiome at both stable and exacerbation time points over one year using high-throughput sequencing of the 16S ribosomal RNA gene. We incorporated additional lung microbiology, blood markers, and in-depth clinical assessments to classify COPD phenotypes.

Results: The stability of the lung microbiome over time was more likely to be decreased in exacerbations and within individuals with higher exacerbation frequencies. Analysis of exacerbation phenotypes using a Markov chain model revealed that bacterial and eosinophilic exacerbations were more likely to be repeated in subsequent exacerbations within a subject, whereas viral exacerbations were not more likely to be repeated. We also confirmed the association of bacterial genera, including *Haemophilus* and *Moraxella*, with disease severity, exacerbation events, and bronchiectasis.

Conclusions: Subtypes of COPD have distinct bacterial compositions and stabilities over time. Some exacerbation subtypes have non-random probabilities of repeating those subtypes in the future. This study provides insights pertaining to the identification of bacterial targets in the lung and biomarkers to classify COPD subtypes and to determine appropriate treatments for the patient.

Trial registration number: NCT01360398

Abstract word count: 245

1 INTRODUCTION

2 Chronic Obstructive Pulmonary Disease (COPD) is a chronic inflammatory disorder
3 resulting in irreversible decline in lung function as a consequence of inhalation of
4 tobacco smoke or other irritants.¹ One of the difficulties in treating and managing
5 COPD is the heterogeneity of this complex disease in terms of severity, progression,
6 exercise tolerance, and nature of symptoms.^{2,3} This complexity is also evident in
7 acute exacerbations of COPD (AECOPD), which are transient and apparently
8 stochastic periods of increased COPD symptoms requiring additional medical
9 treatment and often hospitalization.⁴ Known subtypes of exacerbations are classified
10 by the nature of key triggers including bacterial or viral infections, and/or high
11 eosinophil levels, and these events are typically treated with a combination of
12 antibiotics and steroids in a non-specific manner.⁵

13 The lung microbiome represents an emerging opportunity to understand COPD
14 heterogeneity and exacerbations. The healthy human lung contains a variety of
15 commensal microbiota throughout the respiratory tract, and these bacteria can show
16 substantial heterogeneity between individuals, across regions within the lung, and
17 over time within an individual.⁶⁻⁸ Alterations in the taxonomic composition of the lung
18 microbiome, known as dysbiosis, have been associated with multiple lung diseases
19 and in particular may play a functional role in disease severity and exacerbations in
20 COPD.^{6,9}

21 Multiple studies have reported differences in the microbiome between healthy and
22 disease states, differences correlated with both COPD severity and exacerbation
23 states within an individual, and interactions between the microbiome and host
24 immune response.^{7,9-12} Previous studies have observed changes in the lung
25 microbiome between AECOPD events relative to stable events,^{9,13-15} but the stability
26 of the lung microbiome longitudinally sampled over longer time frames and multiple
27 exacerbations remains poorly understood.

28 The Acute Exacerbation and Respiratory InfectionS in COPD (AERIS) observational
29 cohort study allows for a unique examination of the lung microbiome with a rich set
30 of microbiology and clinical measurements longitudinally observed in stable time
31 points and exacerbation events in 104 patients with COPD (a subset of the full
32 cohort of 127 patients).^{16,17} Results have already been described for subjects

1 followed over one year for the primary study objective (estimation of the incidences
2 of all-cause AECOPD and AECOPD with sputum containing bacterial pathogens
3 detected by culture) and for secondary objective results on the incidences of
4 bacterial and viral pathogens detected in AECOPD by PCR and in stable state
5 COPD by culture (bacteria only) and PCR.¹⁷ Here we present one-year data from
6 the 16S rRNA gene sequencing analysis of the AERIS patient cohort. Using this
7 deeply phenotyped cohort, we tested whether subtypes of COPD and AECOPD
8 have different lung microbiome profiles and whether these compositions are stable
9 over multiple clinical visits, particularly at exacerbations.

11 **METHODS**

12 **Study design**

13 The AERIS study (ClinicalTrials.gov: NCT01360398) was a prospective,
14 observational cohort study based at University Hospital Southampton (UHS). The
15 study assessed the contribution of changes in the COPD airway microbiome to the
16 incidence of AECOPD in patients aged 40–85 years with a confirmed diagnosis of
17 COPD, categorized as moderate, severe, or very severe,^{1,16} recruited from UHS and
18 referring practices from June 2011 to June 2012. The study protocol has been
19 described in detail.¹⁶ AERIS was conducted in accordance with the Declaration of
20 Helsinki and Good Clinical Practice, and was approved by the Southampton and
21 South West Hampshire Research Ethics Committee. All participants provided written
22 informed consent. The protocol summary is available at www.gsk-clinicalstudyregister.com (study identifier, 114378).

24 **Processing of sputum samples**

25 All study procedures for sputum sampling, the detection of exacerbations, and
26 pathogen detection were described previously.^{16,17} Briefly, patients were followed
27 monthly in the stable state and reviewed within 72 hours of onset of AECOPD
28 symptoms. Sputum samples were obtained by spontaneous expectoration or
29 induced and were processed according to standard methods (and were collected
30 prior to additional antibiotic treatment for the exacerbation). Bacterial respiratory
31 pathogens were identified using techniques described in the supplemental methods.

32 COPD exacerbation subtypes were classified using previously-defined criteria.⁵ The

1 supplemental methods provide more details on bacterial, viral, and eosinophilic
2 subtype classification and DNA extraction.

3 **16S rRNA gene amplification and sequencing**

4 The V4 hypervariable region of the 16S rRNA gene was amplified with specific
5 primers (515F/806R), including Illumina sequencing adapters and sample-specific
6 barcodes, and sequenced on an Illumina MiSeq sequencer (see supplemental
7 methods). Sequence data are deposited in NCBI's Sequence Read Archive
8 (BioProject PRJNA377739, SRA accession SRP102629).

9 **16S rRNA gene sequence analysis**

10 Paired-end sequence reads were filtered for quality, assembled using PEAR,¹⁸ and
11 then processed using the QIIME pipeline¹⁹ (see supplemental methods). The
12 flowchart for the analysis of FASTQ sequence files is shown in online supplementary
13 figure S1. Because these samples were generated from low biomass material, we
14 performed experimental and bioinformatics controls and concluded that probability of
15 contaminating DNA amplicons was low (online supplementary figure S2).

16 Samples were rarified to a fixed depth (30,419 reads) corresponding to the fewest
17 number of reads in a sample which was sufficiently amplified and sequenced.
18 Shannon diversity (evenness of bacteria within a sample), relative abundances, and
19 UniFrac distances (fraction of the genetic distance that is unique for one of the
20 compared samples) were calculated using QIIME. Comparisons of Shannon
21 diversity and relative abundance between non-longitudinal groups were performed
22 with Mann-Whitney or Kruskal-Wallis tests (after averaging repeated measures
23 within a subject at that condition to a single value) and comparisons of UniFrac
24 distances within and between groups were performed with a one-way ANOVA after
25 randomly dividing individuals into equally sized subsets for each comparison group
26 and only using one distance measurement from each individual to ensure
27 independence of the test. Longitudinal comparisons of relative abundances between
28 stable and exacerbation events were made using a linear mixed-effects model and
29 treating the subject as a random effect. We assumed that multiple exacerbations
30 within an individual are independent. Additional information on the statistical
31 analyses is described in the supplemental methods.

Markov chain modeling

In order to describe the probability of each exacerbation repeating the same phenotype in its subsequent exacerbation, longitudinal exacerbations within individuals were modeled as a Markov chain. Only subjects with multiple exacerbations were included and each exacerbation type was modeled as a state classified using the same criteria⁵ or modifications as listed. Transition probabilities were calculated by counting the relative frequency of observed transitions between temporally adjacent exacerbations within an individual. Differences in Markov chain transition frequencies between observed frequencies and expected independent frequencies from incidence of each phenotype were tested with a chi-square test and comparisons of frequencies between nodes were tested with a Fisher's exact test.

RESULTS

Population and sampling

Samples for 16S rRNA gene sequencing were collected from 104 subjects with available sputum samples in the first year of the study (figure 1). Characteristics of the cohort used for microbiome analysis were similar to those of the full cohort¹⁷ (table 1 for summary) (online supplementary table S1 for full information). Of the 104 subjects included, 101 of the subjects had at least one sputum sample which successfully amplified and sequenced for inclusion in the microbiome analysis. Comparison of the nature of sputum sampling on microbial profiles revealed no significant differences between spontaneous and induced samples (online supplementary figure S3).

Lung microbiome composition shows differences with COPD severity

An analysis of the relative abundances of bacterial taxa identified in the set of 584 microbiome samples passing quality control revealed bacteria commonly observed in the lung microbiome with Firmicutes, Proteobacteria, and Bacteroidetes representing the three most abundant phyla and *Veillonella*, *Haemophilus*, *Streptococcus*, *Prevotella*, and *Moraxella* representing the five most abundant genera (online supplementary figure S4, online supplementary table S2). The number of

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1 successfully sequenced microbiome sputum samples averaged 5.7 per subject with
2 2.1 collected during an exacerbation.

3 We first compared the composition and diversity in observed bacteria (measured by
4 the Shannon diversity index) of the lung microbiome to trends observed in previous
5 studies. As described in other studies describing the lung microbiome in COPD, we
6 observed a shift towards increasing Proteobacteria with increasing disease
7 severity.^{20,21} More specifically this shift included a significant increase in
8 *Haemophilus* (Proteobacteria) and decreases in *Prevotella* (Bacteroidetes) and
9 *Veillonella* (Firmicutes), as well as decreased Shannon diversity ($p_{adj} < 0.05$ for each,
10 Mann-Whitney) with increasing disease severity (figure 2A). Current smokers did not
11 show significant differences in diversity or composition (online supplementary figure
12 S5).

13 **Changes in the lung microbiome in exacerbation states**

14 Testing for differences between stable and exacerbation states, allows for inclusion
15 of longitudinal data from patients with samples at both visit types with a linear mixed-
16 effects model. The differences between these states were less pronounced than
17 differences between disease severities. No significant changes in Shannon diversity
18 or core taxa relative abundances were observed, with the exception of the genus
19 *Moraxella* (Proteobacteria) which showed a significant increase in relative
20 abundance in exacerbations ($p=0.0012$) (figure 2B). To confirm these results we
21 also used a paired t-test to compare matched stable and exacerbation events within
22 an individual. Again, *Moraxella* showed a significant increase in exacerbation
23 ($p=0.0227$) (figure 2C). The probability of a sample being observed in an
24 exacerbation event compared to stable is 2.6-fold higher if the relative abundance of
25 *Moraxella* is greater than 10% (95% CI 2.1 to 38.1).

26 Clinical and microbiology data have been used as biomarkers to stratify subtypes of
27 COPD and AECOPD⁵ and some of these have revealed distinct lung microbiome
28 profiles.⁹ We compared the composition of previously-defined exacerbation
29 subtypes characterized by sputum potentially-pathogenic bacterial culture, viral-
30 PCR, or eosinophil percentage. The composition of bacterial exacerbations was
31 dissimilar from those of viral and eosinophilic, with a higher proportion of
32 Proteobacteria in bacterial (online supplementary figure S6). Another classification of
33 COPD with a unique microbiome profile is that of bronchiectasis, where we observed

a substantial increase in *Haemophilus* ($p=1.2E-5$) which was evident in both stable and exacerbation events (online supplementary figure S7).

Longitudinal stability of the lung microbiome

Longitudinal sampling within the AERIS study allowed us to assess the relative stability of the lung microbiome within an individual. To analyze temporal microbiome stability, we computed UniFrac distances (weighted and unweighted) between all pairs of microbiome profiles within a subject, and stratified results based on comparisons between stable-stable, stable-exacerbation, and exacerbation-exacerbation comparisons. This metric measures the similarity in bacterial composition between samples and higher distances indicate more dissimilar communities. In all groups, we found UniFrac distance to be significantly lower within an individual compared to distances between individuals (figure 3A-B). This result suggests that individuals have somewhat distinct lung microbiomes from each other. Moreover, weighted UniFrac distances were significantly higher for exacerbation-exacerbation comparisons relative to stable-stable comparisons ($p<0.05$) (comparisons using unweighted UniFrac distance not significant) (figure 3B). This measure-specific result suggests that dysbiosis events in the lung may typically result from changes in the relative abundance of pre-existing bacteria (detected by weighted UniFrac) rather than complete removal or appearance of novel species (detected by unweighted UniFrac).

Moreover, given that weighted UniFrac distances involving exacerbations were higher than stable-stable, it appears exacerbation events are most likely to be associated with dysbiosis within an individual. While the lung microbiome may have a degree of within-subject stability, there remains a large degree of variation between longitudinal samples, especially when comparing an individual's exacerbation events (see online supplementary figure S4B). One possible explanation is that the frequency of exacerbation events experienced by an individual may contribute to destabilization of the lung microbiome, such that frequent exacerbators may be associated with greater dysbiosis than infrequent exacerbators. To evaluate this hypothesis, we analyzed an individual's UniFrac distance as a function of exacerbation frequency. Because of incomplete sampling

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of all exacerbation events, we conservatively estimated exacerbation frequency in two ways, by counting total reported exacerbation events and by the proportion of microbiome samples obtained from an exacerbation event relative to the total number of microbiome samples obtained for that individual. We found that the lung microbiome became more distinct with greater exacerbation frequency using either definition, affecting bacterial abundance in both stable and exacerbation states ($R=0.14$, $p<0.001$, Pearson) (figure 3C) (online supplementary table S3). To identify specific taxa associated with exacerbation frequency, we computed the correlation between each taxon's average abundance with exacerbation frequency across subjects. The genus with the highest positive correlation was *Moraxella* ($R=0.23$, $p=0.016$, Pearson) (online supplementary figure S8), consistent with our observation of its increased abundance in exacerbations relative to stable states. In contrast, the genus *Lactobacillus* showed the most negative correlation with exacerbation frequency ($R=-0.37$, $p=0.02$, Pearson).

To test whether any of the AECOPD phenotypes are more likely to experience dysbiosis, or large changes between stable and exacerbation events, we performed a paired analysis comparing the weighted UniFrac distance between each exacerbation and its previous stable event in that subject (figure 3D). While 18% of all matched stable-exacerbation transitions have a UniFrac distance greater than 0.5, and some of the largest occurred in bacteria-driven exacerbations, none of the exacerbation classifications had significantly higher changes in UniFrac distance compared to exacerbations lacking that phenotype. With 46% of transitions having a UniFrac distance less than 0.25, many exacerbations show little evidence of dysbiosis.

Stochastic modeling of COPD exacerbation phenotypes

Having observed that some COPD exacerbation phenotypes had different lung microbiome profiles, we utilized the longitudinal attributes of the AERIS study to model the exacerbations experienced by an individual over time as a stochastic process. We employed a Markov chain analysis and defined each exacerbation event as a discrete state of being positive or negative for bacterial, viral, or eosinophilic status independently for each type (inclusive of mixed-type exacerbations). To estimate the state transition probabilities for each Markov model, we counted the number of exacerbations of a given phenotype which were

chronologically followed by another exacerbation with the same phenotype (figure 4A). We found significantly non-random transition probabilities for the bacterial and eosinophilic Markov models with p-values of 9.25E-11 and 1.42E-3 (chi-square test, df=3), respectively. In contrast, the viral Markov model was not significant (p=0.141). These results indicate that for bacterial and eosinophilic exacerbations, the phenotype of the next exacerbation experienced by an individual may be more likely to repeat the prior exacerbation phenotype than expected by chance. Interestingly, we did not detect a significant difference in the times between exacerbations for any of the Markov transitions (online supplementary table S4).

Next, a Markov model of bacterial exacerbation phenotype was built to examine the potential role of *Haemophilus influenzae* (Hi). Most of the *Haemophilus* observed from sputum is likely non-typeable *Haemophilus influenzae* (NTHi) a non-capsulated bacterium which commonly infects the airways and whose carriage is commonly associated with COPD and inflammation.¹² In our analysis of microbiome profiles in different COPD phenotypes, *Haemophilus* was the dominant genus observed in patients with bronchiectasis, both in stable and exacerbation events. We hypothesized that patients with a positive Hi culture in a positive bacterial exacerbation may be even more likely to repeat a Hi-positive culture in their next exacerbation. The Markov chain of bacterial exacerbations was modified by dividing the bacterial-positive exacerbation state in two separate states of positive and negative Hi. After calculating the new transition probabilities, this Markov chain was non-random (p=1.42E-12, chi-square test, df=5) and the Hi-positive bacterial exacerbations were most likely to repeat a subsequent Hi-positive exacerbation and less likely to transition non-bacterial exacerbation compared to Hi-negative bacterial exacerbations (p=2.62E-4, Fisher's exact test) (figure 4B). The repetition of Hi-positive exacerbations suggests a persistence of *Haemophilus* in certain subtypes of COPD over time and observed through multiple exacerbations. We also expanded the Markov chain analysis of eosinophilic exacerbations by dividing the eosinophilic-positive state into high eosinophilic (>6% in sputum) and moderate eosinophilic (>3% and <6%) positive exacerbations.²² The revised model showed that the higher the eosinophil levels in the exacerbation the more likely it was to repeat the same high eosinophil phenotype (p=0.02, Fisher's exact test) (online supplementary figure S9).

DISCUSSION

This study has confirmed previous findings of lung microbiome heterogeneity with distinct patterns of bacterial abundance in COPD subtypes^{9,20-21} and for the first time described the stability of the lung microbiome in COPD and the non-random nature of exacerbations experienced by an individual over time by modelling exacerbations as a Markov chain. Our analysis shows that grouping samples by specific phenotypes could yield distinct microbiome populations or probabilities of repeating that type of exacerbation. These subtypes underscore the importance of sample size and stratification in generating reproducible results in studying the microbiome of a heterogeneous disease.

Utilizing the unique repeated longitudinal sampling of the AERIS study design, we found that the lung microbiome shows significantly less variation within an individual than between individuals, indicating some degree of temporal stability of an individual's lung microbiome. Nevertheless, we also observed notable dysbiosis events within individuals. Exacerbations within individuals showed higher microbiome variability than stable time points and frequent exacerbators are more likely to experience significant changes in lung microbiome patterns. These findings will require further examination to determine the causes and consequences of lung dysbiosis as likely variables include bacterial composition, host immune system, and the use of antibiotics. One appealing model is that lung microbiome composition can functionally drive host inflammatory signals via bacterial proteins or metabolites; specific examples have already been identified and models for their mechanism are being created and tested.^{9,11,23-24}

An appreciation of an individual's lung microbiome may influence the future clinician's choice of appropriate therapy, especially for exacerbations which are commonly treated with antibiotics. The increasing prevalence of recurrent *Clostridium difficile* infections after antibiotic use has highlighted the risks of disrupting the healthy microbiome when treating primary infections.²⁵ Therefore a move towards selective-spectrum antimicrobials which may be less likely to disturb commensal species and hence minimize treatment-related risk of future infection or exacerbations needs to be explored. The relationship of NTHi with bronchiectasis and its association with repeating bacterial exacerbations may represent a unique treatment challenge. *Haemophilus* is known to produce biofilms²⁶ protecting it from

the immune system and antibiotics, which may explain its persistence in these COPD subtypes and may offer another avenue for a therapeutic target. Biofilm formation is a component of antibiotic resistance in *Moraxella catarrhalis* and *Pseudomonas aeruginosa*, as well,²⁷ indicating potentially common difficulties in eliminating pathogenic bacteria in the lung. The recurring motifs of key pathogenic bacteria such as *Moraxella* and NTHi identified in this and other COPD lung microbiome studies support the potential of a vaccine or targeted anti-bacterial drug against these pathogens in order to minimize a wider disruption of the lung microbiome.

The ability to model exacerbation phenotypes as stochastic processes has important implications for diagnosis and treatment of AECOPD if the phenotypes of future clinical events can be accurately predicted. Exacerbation events are typically diagnosed and treated as independent phenomena, as and when they are experienced by a patient with COPD.²⁸ If clinical data from the previous exacerbation can inform the likely phenotype of the next event, it can enable a more rapid administration of the appropriate therapy.²⁹ While bacterial and eosinophilic exacerbations are most likely to repeat the same phenotype in our Markov chain model, there is also evidence from other studies that viral infections may predispose the respiratory tract to subsequent secondary bacterial infections³⁰ indicating additional longitudinal relationships between the infections and colonization of viruses and bacteria.

A major strength of this study is the longitudinal information within individuals over time at both stable and exacerbation time points which has allowed for us to study the dynamics of the lung microbiome and its relationships with clinical phenotypes in ways which have to date not been possible. While we have microbiome data sampled over one year in the study, it does represent a short period of time in the typical timeline of COPD progression. An analysis of how the stability of exacerbation phenotype probabilities or how microbiome diversities change over longer periods of time will require longer-term studies.

A limitation of the study was the exclusive use of sputum as source material for 16S rRNA profiling. The diversity of microbiome compositions at different locations within the respiratory pathway was not fully represented. Sufficient sputum for microbiome analysis was not always available at every exacerbation or stable visit, which blinded

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the analyses to these points in time. Samples in the study included both induced and spontaneous sputum, which may have confounding effects on the measurement of microbiome composition³¹. Using sputum samples (which may contain relatively low abundances of bacterial DNA) increased the risk of sample contamination and warrants including additional negative controls.³² While massively-parallel 16S rRNA gene sequencing is a powerful tool in surveying bacterial populations, using a single hypervariable region for PCR limited the resolution of our bacterial analysis to the genus level. This resolution prevented more subtle examination of meaningful differences in pathogenic versus non-pathogenic species or strains within the same genus which can have very different effects on lung health and COPD (e.g. *Haemophilus influenzae* compared to *Haemophilus haemolyticus*).³³ However, *Haemophilus influenzae* specific qPCR confirmed the high prevalence of this pathogen in the lung of AERIS subjects.¹⁷

A final caveat was that our study was conducted at a single site which limited the geographic scope of the finding, but avoided the potential for additional confounding variables between different sites. This particular population limited our ability to explore the relations of the lung microbiome with different maintenance COPD medications as has been observed in other studies^{13,34} as the vast majority of sampled participants (94 out of 101) were receiving ICS treatment at the time of the study. It is worth noting that sputum samples from exacerbation events were collected before antibiotic treatment, which likely simplifies another confounding treatment variable. Interestingly, despite being a single-site study, many of our microbiome observations mirror trends observed in other studies. The changes in *Moraxella* abundance in exacerbations and different compositions of exacerbations mirror findings by Wang and colleagues.⁹ Of course, *Moraxella* dysbiosis can only explain part of the variance in lung microbiome abundance, as in both studies only a minority of exacerbation events show a substantial increase in *Moraxella*, indicating other factors are involved. *Haemophilus*, while generally more stable (especially in bronchiectasis) can change in relative abundance in a minority of subjects and may also explain some of the dysbiosis in bacteria-driven exacerbations. We and others have observed commensal lung bacteria which correlate with positive outcomes including *Lactobacillus*. *Lactobacillus* is often overlooked in lung microbiome given its modest abundance compared the previous mentioned taxa, but it has been

reported to have anti-inflammatory effects in COPD³⁵ and convey protection against viral infections.³⁶ This study therefore raises interesting questions around the role of manipulating the lung microbiome which go beyond the eradication of key pathogens to the broader consideration of correcting the dysbiosis associated with poor clinical outcomes.

Observational microbiome studies suffer from the weakness of identifying correlations between the microbiome and clinical features, and therefore carry with them the temptation to confuse correlation with causation. Changes in the microbiome are not necessarily just a function of disease progression, but also of environment, medication, and lifestyle factors which can confuse the analysis.³⁷ Management of COPD introduces these same covariates, and importantly the recurrent use of antibiotics to treat exacerbations may have adverse consequences by driving loss of diversity which may lead to greater risk of future exacerbations or indeed to disease progression itself. Additional functional studies of how the lung microbiome interacts with the host immune system and metabolic milieu of the lung will be necessary to translate models into robust biomarkers to better target treatments and to identify new therapeutic strategies aimed at the microbiome.

ACKNOWLEDGEMENTS

We are grateful to Zhang Wang and Nicholas Locantore for their advice on the analysis of this study and to Judith Dupont and Sylvie Vanderschrick for their technical assistance, and Yousef El Aalamat for his contribution to the statistical analysis of the study. The authors would like to also thank Geraldine Drevon and Regis Azizieh (XPE Pharma & Science, on behalf of GSK Vaccines) for coordination and editorial support. The study was funded by GlaxoSmithKline Biologicals SA.

The AERIS Study Group

J Alnajar, R Anderson, E Aris, WR Ballou, A Barton, S Bourne, M. Caubet, SC Clarke, D Cleary, C Cohet, N Coombs, K Cox, J-M Devaster, V Devine, N Devos, E Dineen, T Elliott, R Gladstone, S Harden, J Jefferies, V Kim, S Mesia Vela, P Moris, K Ostridge, TG Pascal, M Peeters, S Schoonbroodt, KJ Staples, A Tuck, L Welch, V Weynants, TMA Wilkinson, AP Williams, N Williams, C Woelk, M Wojtas, S Wootton. All members of the AERIS Study Group were involved in the planning, conduct, and/or reporting of the work described in the article.

Declaration of interests

TMAW has received reimbursement for travel and meeting attendance from Boehringer Ingelheim and AstraZeneca, outside of the submitted work. SCC received a grant from Pfizer outside of the submitted work. KJS received grants from

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Asthma UK (08/026) and BMA HC Roscoe Award outside of the submitted work, and he has a patent PCT/GB2010/050821 "Ex Vivo Modelling of Therapeutic Interventions" pending. BEM, CL, DFS, DM, GS, JMD, JRB, ND, MMS, RS, RTS, SVH and VW are employees of the GSK group of companies. RP was an employee of the GSK group of companies at the time the study was conducted. BEM, JRB, JMD, ND, RTS and VW own shares/restricted shares in the GSK group of companies. KJS, VLK, KO, ACT and TMAW received an institutional grant from the GSK group of companies to conduct this study. CL, DFS, DM, MMS, NW, SVH, RP declare no conflict of interest.

Abbreviations: COPD chronic obstructive pulmonary disease; AECOPD acute exacerbations of COPD; PCR polymerase chain reaction; ICS inhaled corticosteroids; Hi *Haemophilus influenzae*; NTHi nontypeable *Haemophilus influenzae*; NCBI National Center for Biotechnology Information

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FIGURE LEGENDS

Figure 1: Flow chart of subject enrollment, sputum sampling, and selection samples for microbiome analysis for AERIS

Figure 2: Microbiome differences in disease severity and stable or exacerbation visits (A) The Shannon diversity index and relative abundances of bacteria labeled at the phylum and genus level of samples grouped by COPD disease severity. The bar graphs show the mean relative abundance at the subject-level after averaging for multiple measures for that subject. Significant differences in relative abundances between groups are labeled with arrows indicating the relative change in abundance; * $p<0.05$ (Mann-Whitney). (B) The same alpha diversity and relative abundances grouped by stable or exacerbation status showed fewer differences overall except for *Moraxella*; * $p<0.05$ (LME model). (C) Paired analysis of changes in relative abundances of key genera between matched stable and subsequent exacerbation events; * $p<0.05$ (paired Student's t-test).

Figure 3: Lung microbiome stability (A) Weighted UniFrac distances measured within and between subjects and comparing stable and exacerbation events after randomly dividing individuals into equal-sized subsets to ensure independence; * $p<0.05$, ** $p<0.01$ (one-way ANOVA). (B) Unweighted UniFrac distances measured within and between subjects and comparing stable and exacerbation events on the same subsets; ** $p<0.01$ (one-way ANOVA). (C) Weighted UniFrac distances for all within subject samples as a function of exacerbation frequency defined by number of exacerbation event and the fraction of samples within an individual taken during an exacerbation. (D) Paired weighted UniFrac distances between exacerbation sample and its previous stable sample from that subject. Exacerbation subtypes labelled as B-Bacterial, V-Viral, E-Eosinophilic, Other, or mixed. There was not a significant difference in UniFrac distances between these groupings of stable-to-exacerbation transitions ($p=0.38$, one-way ANOVA).

Figure 4: Markov chain analysis of transitions between exacerbation states (A) Markov chain analysis from longitudinal exacerbation sampling within individuals identifies non-random transition probabilities for bacterial and eosinophilic exacerbations, but not viral. The size of each node is proportional to abundance of that exacerbation type and the width of the edges are proportional to the transition probabilities. (B) Markov chain analysis of the bacterial exacerbation identifies significantly different transition probabilities for bacterial exacerbations which were positive or negative for the presence of *H. influenzae*.

TABLES

Characteristic	N = 101
Age (years) at enrolment, mean \pm SD	67.1 \pm 8.4
Female sex, n (%)	42 (41.6%)
BMI at enrolment, mean \pm SD	27.6 \pm 5.4
Current smokers, n (%)	40 (39.6%)
Medication for COPD, n (%)	101 (100%)
Inhaled corticosteroids, n (%)	94 (93.1%)
COPD status, GOLD stage, n (%)	
Mild	0 (0%)
Moderate	45 (44.6%)
Severe	40 (39.6%)
Very severe	16 (15.8%)
Bronchiectasis status, n (%)	10 (9.9%)
Number of exacerbations experienced by subject in 12 months, n (%)	
One exacerbation	31 (22.0%)
Two exacerbations	23 (29.1%)
Three or more exacerbations	47 (19.7%)
FEV ₁ after bronchodilator use (% predicted), mean \pm SD	47.1 \pm 12.8

Table 1. Characteristics of the cohort for microbiome analysis Abbreviations: N- number of subjects in the microbiome cohort, n-number of subjects corresponding to characteristic, SD-standard deviation, COPD-chronic obstructive pulmonary disease, GOLD-global initiative for chronic obstructive lung disease, FEV-forced expiratory volume in 1 second.

FIGURES

Figure 1

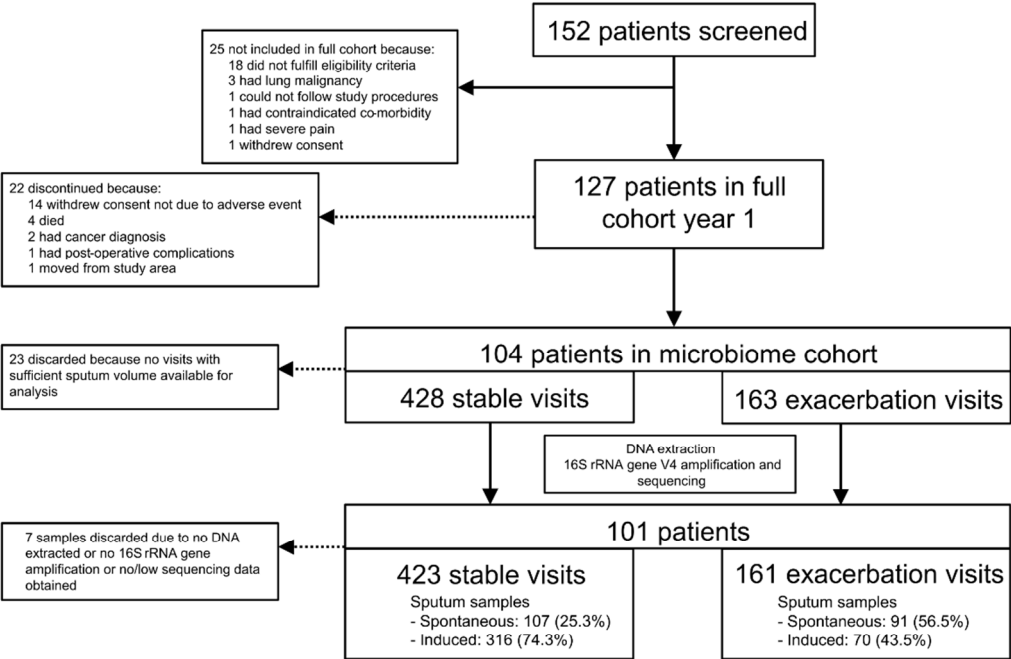


Figure 2

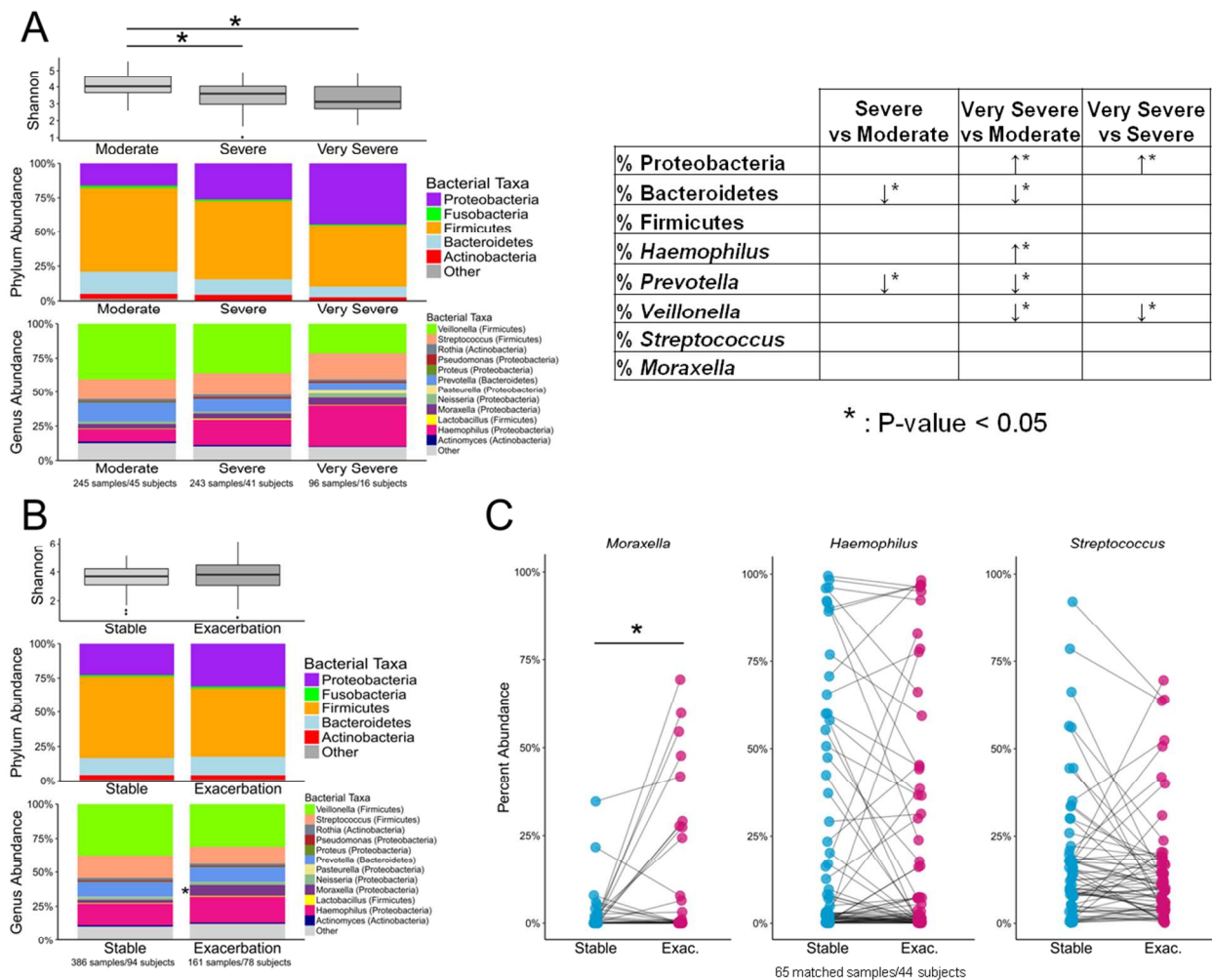


Figure 3

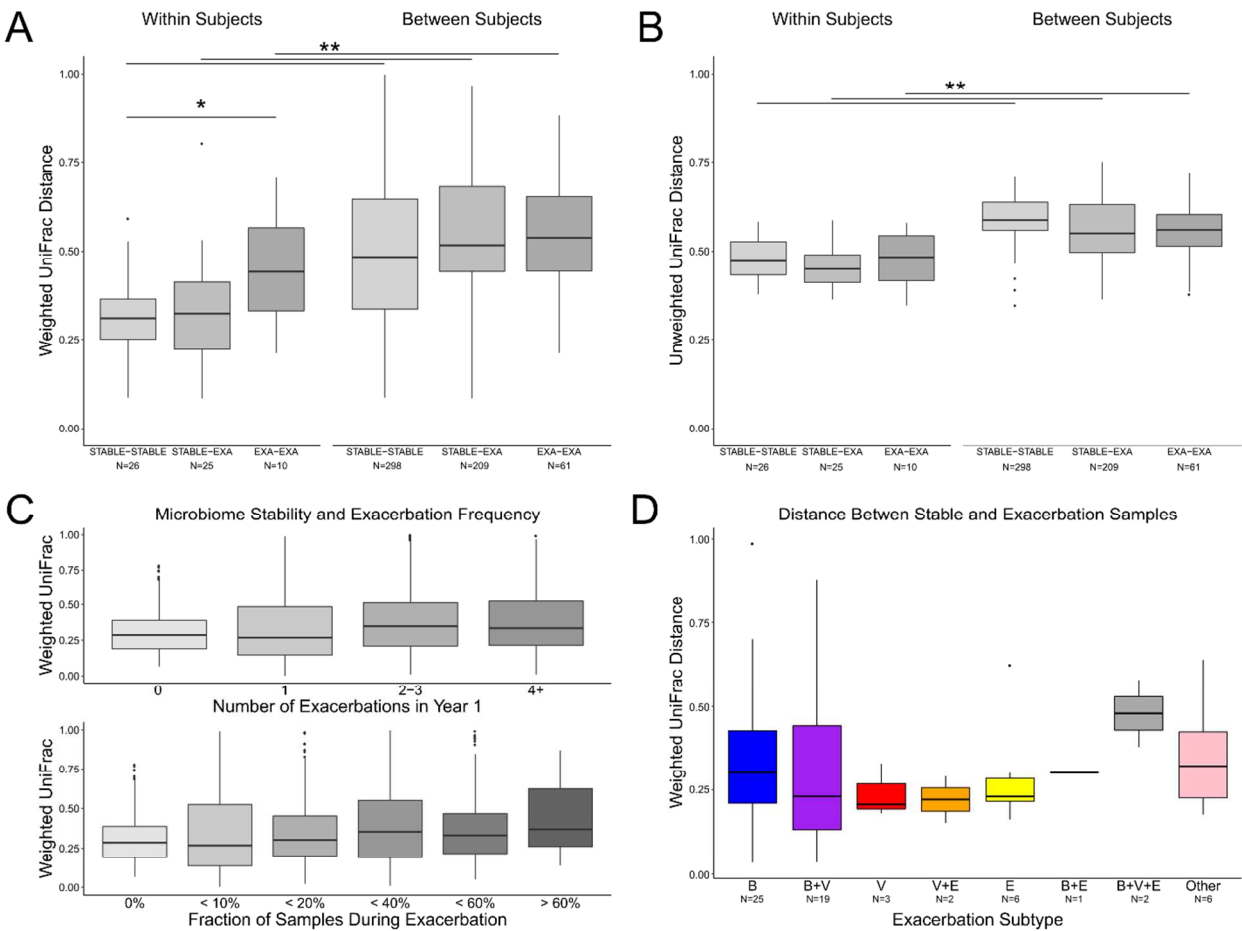
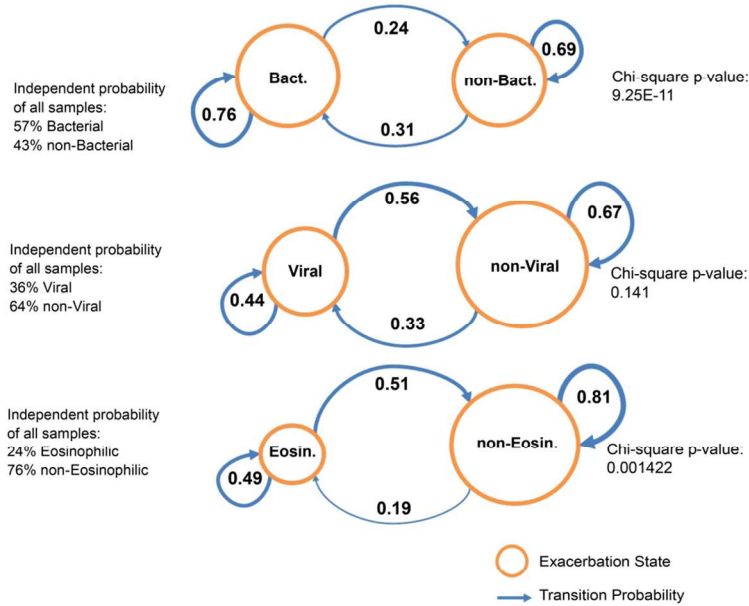
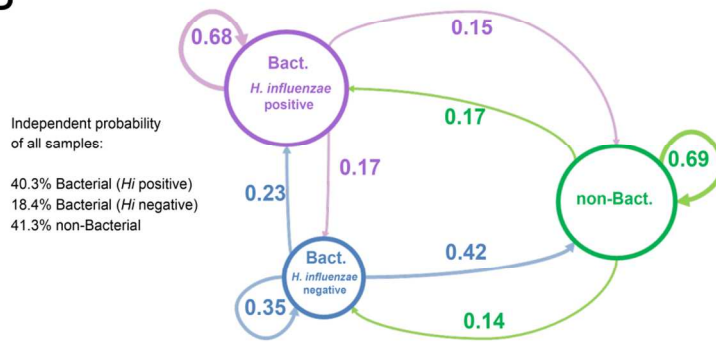


Figure 4

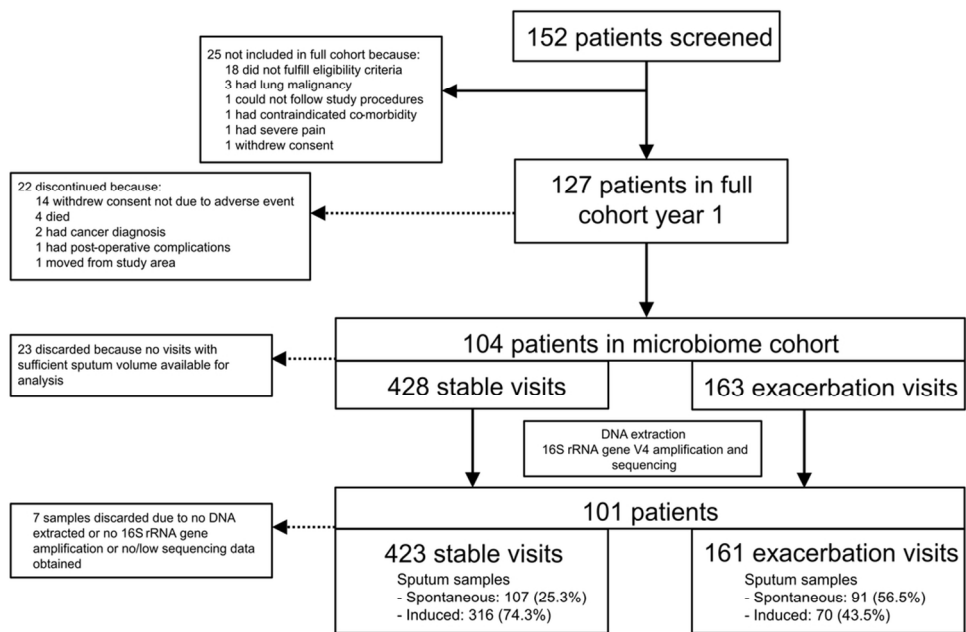
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Flow chart of subject enrollment, sputum sampling, and selection samples for microbiome analysis for AERIS

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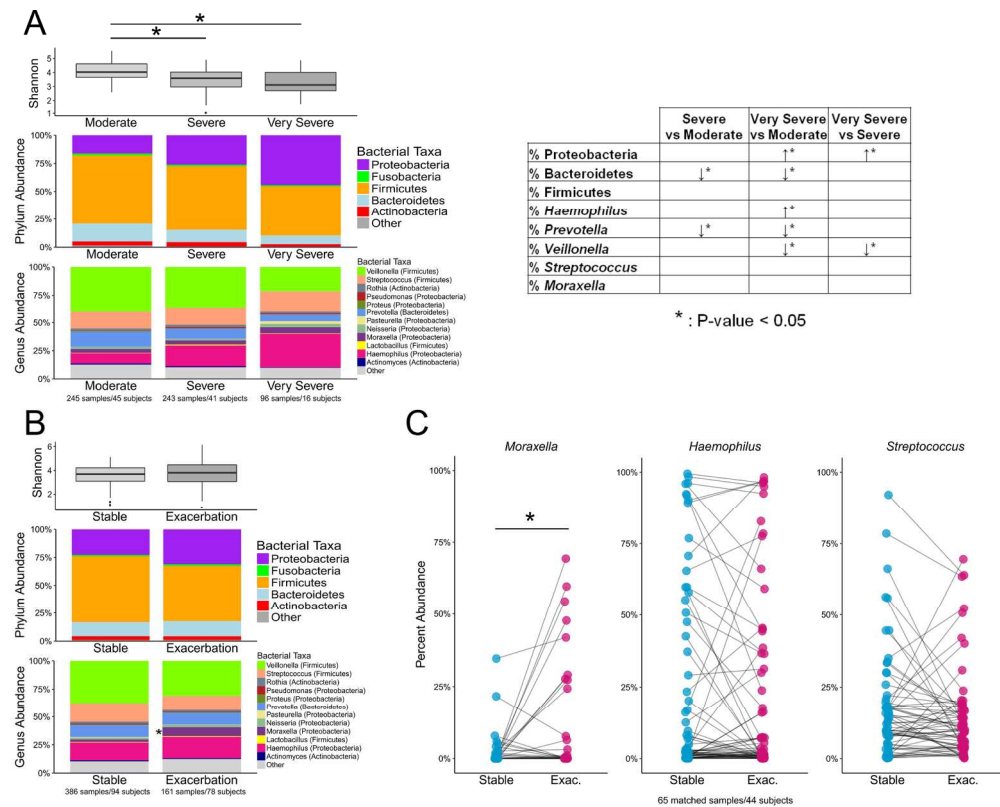


Figure 2: Microbiome differences in disease severity and stable or exacerbation visits (A) The Shannon diversity index and relative abundances of bacteria labeled at the phylum and genus level of samples grouped by COPD disease severity. The bar graphs show the mean relative abundance at the subject-level after averaging for multiple measures for that subject. Significant differences in relative abundances between groups are labeled with arrows indicating the relative change in abundance; * $p < 0.05$ (Mann-Whitney). (B) The same alpha diversity and relative abundances grouped by stable or exacerbation status showed fewer differences overall except for *Moraxella*; * $p < 0.05$ (LME model). (C) Paired analysis of changes in relative abundances of key genera between matched stable and subsequent exacerbation events; * $p < 0.05$ (paired Student's t-test).

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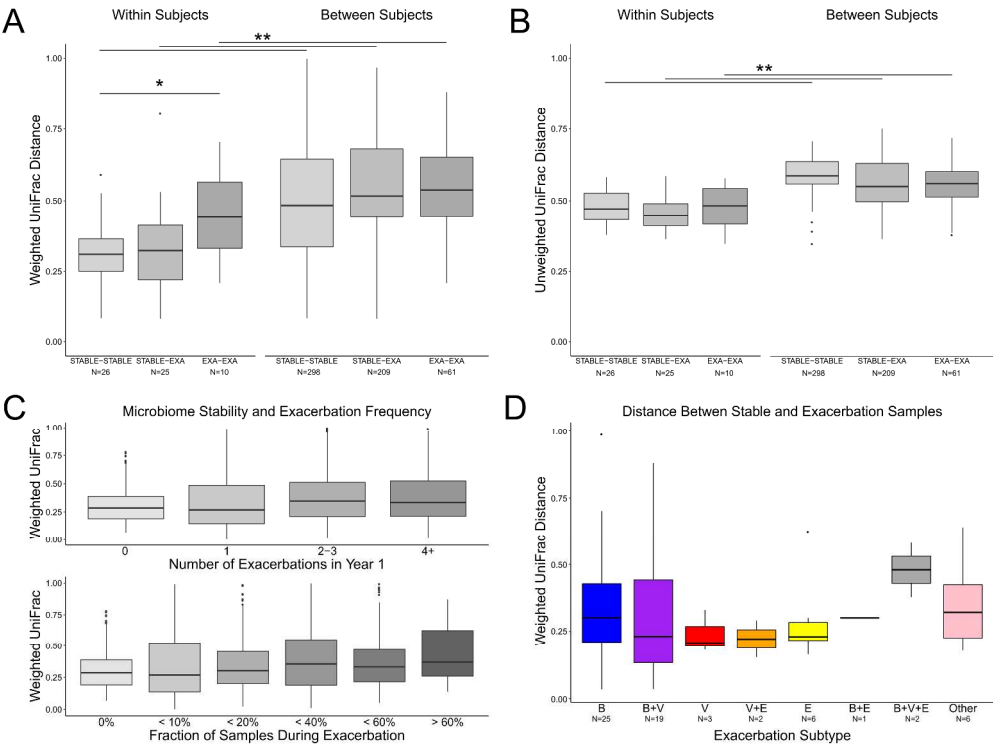
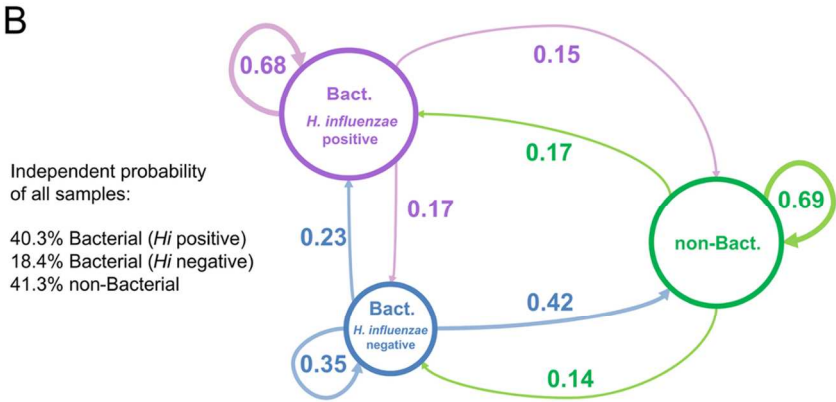
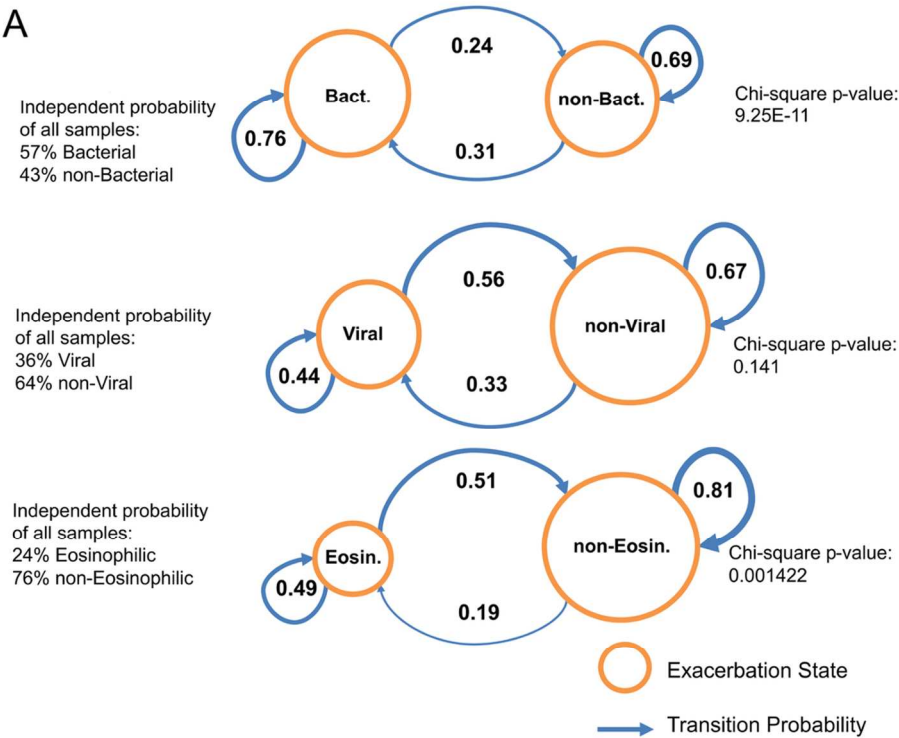


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Markov chain analysis of transitions between exacerbation states (A) Markov chain analysis from longitudinal exacerbation sampling within individuals identifies non-random transition probabilities for bacterial and eosinophilic exacerbations, but not viral. The size of each node is proportional to abundance of that exacerbation type and the width of the edges are proportional to the transition probabilities. (B) Markov chain analysis of the bacterial exacerbation identifies significantly different transition probabilities for bacterial exacerbations which were positive or negative for the presence of *H. influenzae*.

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Title:
Longitudinal Profiling of the Lung Microbiome in the AERIS Study Demonstrates Repeatability of Bacterial and Eosinophilic COPD Exacerbations

David Mayhew^{1,†}, Nathalie Devos^{2,†}, Christophe Lambert², James R. Brown¹, Stuart Clarke^{3,4}, Viktoriya Kim⁴, Michal Magid-Slav¹, Bruce E. Miller⁵, Kristoffer Ostridge⁴, Ruchi Patel⁶, Ganesh Sathe⁶, Daniel F. Simola¹, Karl J. Staples^{3,4}, Ruby Sung⁵, Ruth Tal-Singer⁵, Andrew C. Tuck³, Stephanie Van Horn⁶, Vincent Weynants², Nicholas Williams⁴, Jeanne-Marie Devaster², Tom M. Wilkinson^{3,4,*} ; on behalf of the AERIS Study Group[‡]

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‡ Members of the AERIS Study Group are collaborators and are listed at end of article.

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Author Contributions: Conceived and designed the experiments: (ND, JRB, GS, JMD, TW) Subject recruitment and sample processing: (SC, VM, KO, KJS, ACT, NW) Performed the experiments: (ND, RP, SVH) Data Analysis: (DM, ND, CL, MMS, FN, DFS, VW, JMD) Data interpretation and writing: (DM, ND, CL, JRB, MMS, BEM, DFS, KJS, RTS, VW, JMD, TW):

Funding sources: The study funder, GlaxoSmithKline Biologicals SA, designed the study in collaboration with the investigators, and coordinated collection, analysis, and interpretation of data. The investigators obtained data and cared for the study participants. The authors had full access to all data in the study, contributed to the writing of the report, and had final responsibility for the decision to submit for publication.

Short Running Title:
COPD Lung Microbiome and Exacerbation Modeling

Original article: Chronic obstructive pulmonary disease

Main body word count: 3,870

Key messages

What is the key question?

What is the composition and stability of the lung microbiome in patients with COPD when longitudinally sampled at stable and exacerbation events?

What is the bottom line?

The composition of the lung microbiome shows unique profiles within subtypes of COPD exacerbations and the exacerbations experienced by an individual over time are non-random.

Why read on?

These results describe a unique examination of the stability of the lung microbiome in COPD and predictability of future exacerbations available within a large cohort containing longitudinal sampling and clinical measurements over one year.

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ABSTRACT

Background: Alterations in the composition of the lung microbiome associated with adverse clinical outcomes, known as dysbiosis, have been implicated with disease severity and exacerbations in chronic obstructive pulmonary disease (COPD).

Objective: To characterize longitudinal changes in the lung microbiome in the AERIS study (Acute Exacerbation and Respiratory Infections in COPD) and their relationship with associated COPD outcomes.

Methods: We surveyed 584 sputum samples from 101 COPD patients to analyze the lung microbiome at both stable and exacerbation time points over one year using high-throughput sequencing of the 16S ribosomal RNA gene. We incorporated additional lung microbiology, blood markers, and in-depth clinical assessments to classify COPD phenotypes.

Results: The stability of the lung microbiome over time was more likely to be decreased in exacerbations and within individuals with higher exacerbation frequencies. Analysis of exacerbation phenotypes using a Markov chain model revealed that bacterial and eosinophilic exacerbations were more likely to be repeated in subsequent exacerbations within a subject, whereas viral exacerbations were not more likely to be repeated. We also confirmed the association of bacterial genera, including *Haemophilus* and *Moraxella*, with disease severity, exacerbation events, and bronchiectasis.

Conclusions: Subtypes of COPD have distinct bacterial compositions and stabilities over time. Some exacerbation subtypes have non-random probabilities of repeating those subtypes in the future. This study provides insights pertaining to the identification of bacterial targets in the lung and biomarkers to classify COPD subtypes and to determine appropriate treatments for the patient.

Trial registration number: NCT01360398

Abstract word count: 245

INTRODUCTION

Chronic Obstructive Pulmonary Disease (COPD) is a chronic inflammatory disorder resulting in irreversible decline in lung function as a consequence of inhalation of tobacco smoke or other irritants.¹ One of the difficulties in treating and managing COPD is the heterogeneity of this complex disease in terms of severity, progression, exercise tolerance, and nature of symptoms.^{2,3} This complexity is also evident in acute exacerbations of COPD (AECOPD), which are transient and apparently stochastic periods of increased COPD symptoms requiring additional medical treatment and often hospitalization.⁴ Known subtypes of exacerbations are classified by the nature of key triggers including bacterial or viral infections, and/or high eosinophil levels, and these events are typically treated with a combination of antibiotics and steroids in a non-specific manner.⁵

The lung microbiome represents an emerging opportunity to understand COPD heterogeneity and exacerbations. The healthy human lung contains a variety of commensal microbiota throughout the respiratory tract, and these bacteria can show substantial heterogeneity between individuals, across regions within the lung, and over time within an individual.⁶⁻⁸ Alterations in the taxonomic composition of the lung microbiome, known as dysbiosis, have been associated with multiple lung diseases and in particular may play a functional role in disease severity and exacerbations in COPD.^{6,9}

Multiple studies have reported differences in the microbiome between healthy and disease states, differences correlated with both COPD severity and exacerbation states within an individual, and interactions between the microbiome and host immune response.^{7,9-12} Previous studies have observed changes in the lung microbiome between AECOPD events relative to stable events,^{9,13-15} but the stability of the lung microbiome longitudinally sampled over longer time frames and multiple exacerbations remains poorly understood.

The Acute Exacerbation and Respiratory InfectionS in COPD (AERIS) observational cohort study allows for a unique examination of the lung microbiome with a rich set of microbiology and clinical measurements longitudinally observed in stable time points and exacerbation events in 104 patients with COPD (a subset of the full cohort of 127 patients).^{16,17} Results have already been described for subjects

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1 followed over one year for the primary study objective (estimation of the incidences
2 of all-cause AECOPD and AECOPD with sputum containing bacterial pathogens
3 detected by culture) and for secondary objective results on the incidences of
4 bacterial and viral pathogens detected in AECOPD by PCR and in stable state
5 COPD by culture (bacteria only) and PCR.¹⁷ Here we present one-year data from
6 the 16S rRNA gene sequencing analysis of the AERIS patient cohort. Using this
7 deeply phenotyped cohort, we tested whether subtypes of COPD and AECOPD
8 have different lung microbiome profiles and whether these compositions are stable
9 over multiple clinical visits, particularly at exacerbations.

11 **METHODS**

12 **Study design**

13 The AERIS study (ClinicalTrials.gov: NCT01360398) was a prospective,
14 observational cohort study based at University Hospital Southampton (UHS). The
15 study assessed the contribution of changes in the COPD airway microbiome to the
16 incidence of AECOPD in patients aged 40–85 years with a confirmed diagnosis of
17 COPD, categorized as moderate, severe, or very severe,^{1,16} recruited from UHS and
18 referring practices from June 2011 to June 2012. The study protocol has been
19 described in detail.¹⁶ AERIS was conducted in accordance with the Declaration of
20 Helsinki and Good Clinical Practice, and was approved by the Southampton and
21 South West Hampshire Research Ethics Committee. All participants provided written
22 informed consent. The protocol summary is available at [www.gsk-](http://www.gsk-clinicalstudyregister.com)
23 [clinicalstudyregister.com](http://www.gsk-clinicalstudyregister.com) (study identifier, 114378).

24 **Processing of sputum samples**

25 All study procedures for sputum sampling, the detection of exacerbations, and
26 pathogen detection were described previously.^{16,17} Briefly, patients were followed
27 monthly in the stable state and reviewed within 72 hours of onset of AECOPD
28 symptoms. Sputum samples were obtained by spontaneous expectoration or
29 induced and were processed according to standard methods (and were collected
30 prior to additional antibiotic treatment for the exacerbation). Bacterial respiratory
31 pathogens were identified using techniques described in the supplemental methods.
32 COPD exacerbation subtypes were classified using previously-defined criteria.⁵ The

supplemental methods provide more details on bacterial, viral, and eosinophilic subtype classification and DNA extraction.

16S rRNA gene amplification and sequencing

The V4 hypervariable region of the 16S rRNA gene was amplified with specific primers (515F/806R), including Illumina sequencing adapters and sample-specific barcodes, and sequenced on an Illumina MiSeq sequencer (see supplemental methods). Sequence data are deposited in NCBI's Sequence Read Archive (BioProject PRJNA377739, SRA accession SRP102629).

16S rRNA gene sequence analysis

Paired-end sequence reads were filtered for quality, assembled using PEAR,¹⁸ and then processed using the QIIME pipeline¹⁹ (see supplemental methods). The flowchart for the analysis of FASTQ sequence files is shown in online supplementary figure S1. Because these samples were generated from low biomass material, we performed experimental and bioinformatics controls and concluded that probability of contaminating DNA amplicons was low (online supplementary figure S2).

Samples were rarified to a fixed depth (30,419 reads) corresponding to the fewest number of reads in a sample which was sufficiently amplified and sequenced.

Shannon diversity (evenness of bacteria within a sample), relative abundances, and UniFrac distances (fraction of the genetic distance that is unique for one of the

compared samples) were calculated using QIIME. Comparisons of Shannon

diversity and relative abundance between non-longitudinal groups were performed

with Mann-Whitney or Kruskal-Wallis tests (after averaging repeated measures

within a subject at that condition to a single value) and comparisons of UniFrac

distances within and between groups were performed with a one-way ANOVA after

randomly dividing individuals into equally sized subsets for each comparison group

and only using one distance measurement from each individual to ensure

independence of the test. Longitudinal comparisons of relative abundances between

stable and exacerbation events were made using a linear mixed-effects model and

treating the subject as a random effect. We assumed that multiple exacerbations

within an individual are independent. Additional information on the statistical

analyses is described in the supplemental methods.

Markov chain modeling

In order to describe the probability of each exacerbation repeating the same phenotype in its subsequent exacerbation, longitudinal exacerbations within individuals were modeled as a Markov chain. Only subjects with multiple exacerbations were included and each exacerbation type was modeled as a state classified using the same criteria⁵ or modifications as listed. Transition probabilities were calculated by counting the relative frequency of observed transitions between temporally adjacent exacerbations within an individual. Differences in Markov chain transition frequencies between observed frequencies and expected independent frequencies from incidence of each phenotype were tested with a chi-square test and comparisons of frequencies between nodes were tested with a Fisher's exact test.

RESULTS

Population and sampling

Samples for 16S rRNA gene sequencing were collected from 104 subjects with available sputum samples in the first year of the study (figure 1). Characteristics of the cohort used for microbiome analysis were similar to those of the full cohort¹⁷ (table 1 for summary) (online supplementary table S1 for full information). Of the 104 subjects included, 101 of the subjects had at least one sputum sample which successfully amplified and sequenced for inclusion in the microbiome analysis. Comparison of the nature of sputum sampling on microbial profiles revealed no significant differences between spontaneous and induced samples (online supplementary figure S3).

Lung microbiome composition shows differences with COPD severity

An analysis of the relative abundances of bacterial taxa identified in the set of 584 microbiome samples passing quality control revealed bacteria commonly observed in the lung microbiome with Firmicutes, Proteobacteria, and Bacteroidetes representing the three most abundant phyla and *Veillonella*, *Haemophilus*, *Streptococcus*, *Prevotella*, and *Moraxella* representing the five most abundant genera (online supplementary figure S4, online supplementary table S2). The number of

successfully sequenced microbiome sputum samples averaged 5.7 per subject with 2.1 collected during an exacerbation.

We first compared the composition and diversity in observed bacteria (measured by the Shannon diversity index) of the lung microbiome to trends observed in previous studies. As described in other studies describing the lung microbiome in COPD, we observed a shift towards increasing Proteobacteria with increasing disease severity.^{20,21} More specifically this shift included a significant increase in *Haemophilus* (Proteobacteria) and decreases in *Prevotella* (Bacteroidetes) and *Veillonella* (Firmicutes), as well as decreased Shannon diversity ($p_{\text{adj}} < 0.05$ for each, Mann-Whitney) with increasing disease severity (figure 2A). Current smokers did not show significant differences in diversity or composition (online supplementary figure S5).

Changes in the lung microbiome in exacerbation states

Testing for differences between stable and exacerbation states, allows for inclusion of longitudinal data from patients with samples at both visit types with a linear mixed-effects model. The differences between these states were less pronounced than differences between disease severities. No significant changes in Shannon diversity or core taxa relative abundances were observed, with the exception of the genus *Moraxella* (Proteobacteria) which showed a significant increase in relative abundance in exacerbations ($p=0.0012$) (figure 2B). To confirm these results we also used a paired t-test to compare matched stable and exacerbation events within an individual. Again, *Moraxella* showed a significant increase in exacerbation ($p=0.0227$) (figure 2C). The probability of a sample being observed in an exacerbation event compared to stable is 2.6-fold higher if the relative abundance of *Moraxella* is greater than 10% (95% CI 2.1 to 38.1).

Clinical and microbiology data have been used as biomarkers to stratify subtypes of COPD and AECOPD⁵ and some of these have revealed distinct lung microbiome profiles.⁹ We compared the composition of previously-defined exacerbation subtypes characterized by sputum potentially-pathogenic bacterial culture, viral-PCR, or eosinophil percentage. The composition of bacterial exacerbations was dissimilar from those of viral and eosinophilic, with a higher proportion of Proteobacteria in bacterial (online supplementary figure S6). Another classification of COPD with a unique microbiome profile is that of bronchiectasis, where we observed

1 a substantial increase in *Haemophilus* ($p=1.2E-5$) which was evident in both stable
2 and exacerbation events (online supplementary figure S7).

3
4 **Longitudinal stability of the lung microbiome**

5 Longitudinal sampling within the AERIS study allowed us to assess the relative
6 stability of the lung microbiome within an individual. To analyze temporal microbiome
7 stability, we computed UniFrac distances (weighted and unweighted) between all
8 pairs of microbiome profiles within a subject, and stratified results based on
9 comparisons between stable-stable, stable-exacerbation, and exacerbation-
10 exacerbation comparisons. This metric measures the similarity in bacterial
11 composition between samples and higher distances indicate more dissimilar
12 communities. In all groups, we found UniFrac distance to be significantly lower
13 within an individual compared to distances between individuals (figure 3A-B). This
14 result suggests that individuals have somewhat distinct lung microbiomes from each
15 other. Moreover, weighted UniFrac distances were significantly higher for
16 exacerbation-exacerbation comparisons relative to stable-stable comparisons
17 ($p<0.05$) (comparisons using unweighted UniFrac distance not significant) (figure
18 3B). This measure-specific result suggests that dysbiosis events in the lung may
19 typically result from changes in the relative abundance of pre-existing bacteria
20 (detected by weighted UniFrac) rather than complete removal or appearance of
21 novel species (detected by unweighted UniFrac).

22 Moreover, given that weighted UniFrac distances involving exacerbations were
23 higher than stable-stable, it appears exacerbation events are most likely to be
24 associated with dysbiosis within an individual. While the lung microbiome may have
25 a degree of within-subject stability, there remains a large degree of variation
26 between longitudinal samples, especially when comparing an individual's
27 exacerbation events (see online supplementary figure S4B). One possible
28 explanation is that the frequency of exacerbation events experienced by an
29 individual may contribute to destabilization of the lung microbiome, such that
30 frequent exacerbators may be associated with greater dysbiosis than infrequent
31 exacerbators. To evaluate this hypothesis, we analyzed an individual's UniFrac
32 distance as a function of exacerbation frequency. Because of incomplete sampling

of all exacerbation events, we conservatively estimated exacerbation frequency in two ways, by counting total reported exacerbation events and by the proportion of microbiome samples obtained from an exacerbation event relative to the total number of microbiome samples obtained for that individual. We found that the lung microbiome became more distinct with greater exacerbation frequency using either definition, affecting bacterial abundance in both stable and exacerbation states ($R=0.14$, $p<0.001$, Pearson) (figure 3C) (online supplementary table S3). To identify specific taxa associated with exacerbation frequency, we computed the correlation between each taxon's average abundance with exacerbation frequency across subjects. The genus with the highest positive correlation was *Moraxella* ($R=0.23$, $p=0.016$, Pearson) (online supplementary figure S8), consistent with our observation of its increased abundance in exacerbations relative to stable states. In contrast, the genus *Lactobacillus* showed the most negative correlation with exacerbation frequency ($R=-0.37$, $p=0.02$, Pearson).

To test whether any of the AECOPD phenotypes are more likely to experience dysbiosis, or large changes between stable and exacerbation events, we performed a paired analysis comparing the weighted UniFrac distance between each exacerbation and its previous stable event in that subject (figure 3D). While 18% of all matched stable-exacerbation transitions have a UniFrac distance greater than 0.5, and some of the largest occurred in bacteria-driven exacerbations, none of the exacerbation classifications had significantly higher changes in UniFrac distance compared to exacerbations lacking that phenotype. With 46% of transitions having a UniFrac distance less than 0.25, many exacerbations show little evidence of dysbiosis.

Stochastic modeling of COPD exacerbation phenotypes

Having observed that some COPD exacerbation phenotypes had different lung microbiome profiles, we utilized the longitudinal attributes of the AERIS study to model the exacerbations experienced by an individual over time as a stochastic process. We employed a Markov chain analysis and defined each exacerbation event as a discrete state of being positive or negative for bacterial, viral, or eosinophilic status independently for each type (inclusive of mixed-type exacerbations). To estimate the state transition probabilities for each Markov model, we counted the number of exacerbations of a given phenotype which were

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1 chronologically followed by another exacerbation with the same phenotype (figure
2 4A). We found significantly non-random transition probabilities for the bacterial and
3 eosinophilic Markov models with p-values of 9.25E-11 and 1.42E-3 (chi-square test,
4 df=3), respectively. In contrast, the viral Markov model was not significant (p=0.141).
5 These results indicate that for bacterial and eosinophilic exacerbations, the
6 phenotype of the next exacerbation experienced by an individual may be more likely
7 to repeat the prior exacerbation phenotype than expected by chance. Interestingly,
8 we did not detect a significant difference in the times between exacerbations for any
9 of the Markov transitions (online supplementary table S4).

10 Next, a Markov model of bacterial exacerbation phenotype was built to examine the
11 potential role of *Haemophilus influenzae* (Hi). Most of the *Haemophilus* observed
12 from sputum is likely non-typeable *Haemophilus influenzae* (NTHi) a non-capsulated
13 bacterium which commonly infects the airways and whose carriage is commonly
14 associated with COPD and inflammation.¹² In our analysis of microbiome profiles in
15 different COPD phenotypes, *Haemophilus* was the dominant genus observed in
16 patients with bronchiectasis, both in stable and exacerbation events. We
17 hypothesized that patients with a positive Hi culture in a positive bacterial
18 exacerbation may be even more likely to repeat a Hi-positive culture in their next
19 exacerbation. The Markov chain of bacterial exacerbations was modified by dividing
20 the bacterial-positive exacerbation state in two separate states of positive and
21 negative Hi. After calculating the new transition probabilities, this Markov chain was
22 non-random (p=1.42E-12, chi-square test, df=5) and the Hi-positive bacterial
23 exacerbations were most likely to repeat a subsequent Hi-positive exacerbation and
24 less likely to transition non-bacterial exacerbation compared to Hi-negative bacterial
25 exacerbations (p=2.62E-4, Fisher's exact test) (figure 4B). The repetition of Hi-
26 positive exacerbations suggests a persistence of *Haemophilus* in certain subtypes of
27 COPD over time and observed through multiple exacerbations. We also expanded
28 the Markov chain analysis of eosinophilic exacerbations by dividing the eosinophilic-
29 positive state into high eosinophilic (>6% in sputum) and moderate eosinophilic (>3%
30 and <6%) positive exacerbations.²² The revised model showed that the higher the
31 eosinophil levels in the exacerbation the more likely it was to repeat the same high
32 eosinophil phenotype (p=0.02, Fisher's exact test) (online supplementary figure S9).

33

DISCUSSION

This study has confirmed previous findings of lung microbiome heterogeneity with distinct patterns of bacterial abundance in COPD subtypes^{9,20-21} and for the first time described the stability of the lung microbiome in COPD and the non-random nature of exacerbations experienced by an individual over time by modelling exacerbations as a Markov chain. Our analysis shows that grouping samples by specific phenotypes could yield distinct microbiome populations or probabilities of repeating that type of exacerbation. These subtypes underscore the importance of sample size and stratification in generating reproducible results in studying the microbiome of a heterogeneous disease.

Utilizing the unique repeated longitudinal sampling of the AERIS study design, we found that the lung microbiome shows significantly less variation within an individual than between individuals, indicating some degree of temporal stability of an individual's lung microbiome. Nevertheless, we also observed notable dysbiosis events within individuals. Exacerbations within individuals showed higher microbiome variability than stable time points and frequent exacerbators are more likely to experience significant changes in lung microbiome patterns. These findings will require further examination to determine the causes and consequences of lung dysbiosis as likely variables include bacterial composition, host immune system, and the use of antibiotics. One appealing model is that lung microbiome composition can functionally drive host inflammatory signals via bacterial proteins or metabolites; specific examples have already been identified and models for their mechanism are being created and tested.^{9,11,23-24}

An appreciation of an individual's lung microbiome may influence the future clinician's choice of appropriate therapy, especially for exacerbations which are commonly treated with antibiotics. The increasing prevalence of recurrent *Clostridium difficile* infections after antibiotic use has highlighted the risks of disrupting the healthy microbiome when treating primary infections.²⁵ Therefore a move towards selective-spectrum antimicrobials which may be less likely to disturb commensal species and hence minimize treatment-related risk of future infection or exacerbations needs to be explored. The relationship of NTHi with bronchiectasis and its association with repeating bacterial exacerbations may represent a unique treatment challenge. *Haemophilus* is known to produce biofilms²⁶ protecting it from

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1 the immune system and antibiotics, which may explain its persistence in these
2 COPD subtypes and may offer another avenue for a therapeutic target. Biofilm
3 formation is a component of antibiotic resistance in *Moraxella catarrhalis* and
4 *Pseudomonas aeruginosa*, as well,²⁷ indicating potentially common difficulties in
5 eliminating pathogenic bacteria in the lung. The recurring motifs of key pathogenic
6 bacteria such as *Moraxella* and NTHi identified in this and other COPD lung
7 microbiome studies support the potential of a vaccine or targeted anti-bacterial drug
8 against these pathogens in order to minimize a wider disruption of the lung
9 microbiome.

10 The ability to model exacerbation phenotypes as stochastic processes has important
11 implications for diagnosis and treatment of AECOPD if the phenotypes of future
12 clinical events can be accurately predicted. Exacerbation events are typically
13 diagnosed and treated as independent phenomena, as and when they are
14 experienced by a patient with COPD.²⁸ If clinical data from the previous
15 exacerbation can inform the likely phenotype of the next event, it can enable a more
16 rapid administration of the appropriate therapy.²⁹ While bacterial and eosinophilic
17 exacerbations are most likely to repeat the same phenotype in our Markov chain
18 model, there is also evidence from other studies that viral infections may predispose
19 the respiratory tract to subsequent secondary bacterial infections³⁰ indicating
20 additional longitudinal relationships between the infections and colonization of
21 viruses and bacteria.

22 A major strength of this study is the longitudinal information within individuals over
23 time at both stable and exacerbation time points which has allowed for us to study
24 the dynamics of the lung microbiome and its relationships with clinical phenotypes in
25 ways which have to date not been possible. While we have microbiome data
26 sampled over one year in the study, it does represent a short period of time in the
27 typical timeline of COPD progression. An analysis of how the stability of
28 exacerbation phenotype probabilities or how microbiome diversities change over
29 longer periods of time will require longer-term studies.

30 A limitation of the study was the exclusive use of sputum as source material for 16S
31 rRNA profiling. The diversity of microbiome compositions at different locations within
32 the respiratory pathway was not fully represented. Sufficient sputum for microbiome
33 analysis was not always available at every exacerbation or stable visit, which blinded

the analyses to these points in time. Samples in the study included both induced and spontaneous sputum, which may have confounding effects on the measurement of microbiome composition³¹. Using sputum samples (which may contain relatively low abundances of bacterial DNA) increased the risk of sample contamination and warrants including additional negative controls.³² While massively-parallel 16S rRNA gene sequencing is a powerful tool in surveying bacterial populations, using a single hypervariable region for PCR limited the resolution of our bacterial analysis to the genus level. This resolution prevented more subtle examination of meaningful differences in pathogenic versus non-pathogenic species or strains within the same genus which can have very different effects on lung health and COPD (e.g. *Haemophilus influenzae* compared to *Haemophilus haemolyticus*).³³ However, *Haemophilus influenzae* specific qPCR confirmed the high prevalence of this pathogen in the lung of AERIS subjects.¹⁷

A final caveat was that our study was conducted at a single site which limited the geographic scope of the finding, but avoided the potential for additional confounding variables between different sites. This particular population limited our ability to explore the relations of the lung microbiome with different maintenance COPD medications as has been observed in other studies^{13,34} as the vast majority of sampled participants (94 out of 101) were receiving ICS treatment at the time of the study. It is worth noting that sputum samples from exacerbation events were collected before antibiotic treatment, which likely simplifies another confounding treatment variable. Interestingly, despite being a single-site study, many of our microbiome observations mirror trends observed in other studies. The changes in *Moraxella* abundance in exacerbations and different compositions of exacerbations mirror findings by Wang and colleagues.⁹ Of course, *Moraxella* dysbiosis can only explain part of the variance in lung microbiome abundance, as in both studies only a minority of exacerbation events show a substantial increase in *Moraxella*, indicating other factors are involved. *Haemophilus*, while generally more stable (especially in bronchiectasis) can change in relative abundance in a minority of subjects and may also explain some of the dysbiosis in bacteria-driven exacerbations. We and others have observed commensal lung bacteria which correlate with positive outcomes including *Lactobacillus*. *Lactobacillus* is often overlooked in lung microbiome given its modest abundance compared the previous mentioned taxa, but it has been

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1 reported to have anti-inflammatory effects in COPD³⁵ and convey protection against
2 viral infections.³⁶ This study therefore raises interesting questions around the role of
3 manipulating the lung microbiome which go beyond the eradication of key pathogens
4 to the broader consideration of correcting the dysbiosis associated with poor clinical
5 outcomes.
6 Observational microbiome studies suffer from the weakness of identifying
7 correlations between the microbiome and clinical features, and therefore carry with
8 them the temptation to confuse correlation with causation. Changes in the
9 microbiome are not necessarily just a function of disease progression, but also of
10 environment, medication, and lifestyle factors which can confuse the analysis.³⁷
11 Management of COPD introduces these same covariates, and importantly the
12 recurrent use of antibiotics to treat exacerbations may have adverse consequences
13 by driving loss of diversity which may lead to greater risk of future exacerbations or
14 indeed to disease progression itself. Additional functional studies of how the lung
15 microbiome interacts with the host immune system and metabolic milieu of the lung
16 will be necessary to translate models into robust biomarkers to better target
17 treatments and to identify new therapeutic strategies aimed at the microbiome.

18
19 **ACKNOWLEDGEMENTS**

20 We are grateful to Zhang Wang and Nicholas Locantore for their advice on the
21 analysis of this study and to Judith Dupont and Sylvie Vanderschrick for their
22 technical assistance, and Yousef El Aalamat for his contribution to the statistical
23 analysis of the study. The authors would like to also thank Geraldine Drevon and
24 Regis Azizieh (XPE Pharma & Science, on behalf of GSK Vaccines) for coordination
25 and editorial support. The study was funded by GlaxoSmithKline Biologicals SA.

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32 All members of the AERIS Study Group were involved in the planning, conduct,
33 and/or reporting of the work described in the article.

34 **Declaration of interests**

35 TMAW has received reimbursement for travel and meeting attendance from
36 Boehringer Ingelheim and AstraZeneca, outside of the submitted work. SCC
37 received a grant from Pfizer outside of the submitted work. KJS received grants from

Asthma UK (08/026) and BMA HC Roscoe Award outside of the submitted work, and he has a patent PCT/GB2010/050821 "Ex Vivo Modelling of Therapeutic Interventions" pending. BEM, CL, DFS, DM, GS, JMD, JRB, ND, MMS, RS, RTS, SVH and VW are employees of the GSK group of companies. RP was an employee of the GSK group of companies at the time the study was conducted. BEM, JRB, JMD, ND, RTS and VW own shares/restricted shares in the GSK group of companies. KJS, VLK, KO, ACT and TMAW received an institutional grant from the GSK group of companies to conduct this study. CL, DFS, DM, MMS, NW, SVH, RP declare no conflict of interest.

Abbreviations: COPD chronic obstructive pulmonary disease; AECOPD acute exacerbations of COPD; PCR polymerase chain reaction; ICS inhaled corticosteroids; Hi *Haemophilus influenzae*; NTHi nontypeable *Haemophilus influenzae*; NCBI National Center for Biotechnology Information

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FIGURE LEGENDS

Figure 1: Flow chart of subject enrollment, sputum sampling, and selection samples for microbiome analysis for AERIS

Figure 2: Microbiome differences in disease severity and stable or exacerbation visits (A) The Shannon diversity index and relative abundances of bacteria labeled at the phylum and genus level of samples grouped by COPD disease severity. The bar graphs show the mean relative abundance at the subject-level after averaging for multiple measures for that subject. Significant differences in relative abundances between groups are labeled with arrows indicating the relative change in abundance; * $p < 0.05$ (Mann-Whitney). (B) The same alpha diversity and relative abundances grouped by stable or exacerbation status showed fewer differences overall except for *Moraxella*; * $p < 0.05$ (LME model). (C) Paired analysis of changes in relative abundances of key genera between matched stable and subsequent exacerbation events; * $p < 0.05$ (paired Student's t-test).

Figure 3: Lung microbiome stability (A) Weighted UniFrac distances measured within and between subjects and comparing stable and exacerbation events **after randomly dividing individuals into equal-sized subsets to ensure independence; * $p < 0.05$, ** $p < 0.01$ (one-way ANOVA).** (B) **Unweighted UniFrac distances measured within and between subjects and comparing stable and exacerbation events on the same subsets; ** $p < 0.01$ (one-way ANOVA).** (C) **Weighted UniFrac distances for all within subject samples as a function of exacerbation frequency defined by number of exacerbation event and the fraction of samples within an individual taken during an exacerbation.** (D) Paired weighted UniFrac distances between exacerbation sample and its previous stable sample from that subject. Exacerbation subtypes labelled as B-Bacterial, V-Viral, E-Eosinophilic, Other, or mixed. There was not a significant difference in UniFrac distances between these groupings of stable-to-exacerbation transitions ($p = 0.38$, one-way ANOVA).

Figure 4: Markov chain analysis of transitions between exacerbation states (A) Markov chain analysis from longitudinal exacerbation sampling within individuals identifies non-random transition probabilities for bacterial and eosinophilic exacerbations, but not viral. The size of each node is proportional to abundance of that exacerbation type and the width of the edges are proportional to the transition probabilities. (B) Markov chain analysis of the bacterial exacerbation identifies significantly different transition probabilities for bacterial exacerbations which were positive or negative for the presence of *H. influenzae*.

TABLES

Characteristic	N = 101
Age (years) at enrolment, mean ± SD	67.1 ± 8.4
Female sex, n (%)	42 (41.6%)
BMI at enrolment, mean ± SD	27.6 ± 5.4
Current smokers, n (%)	40 (39.6%)
Medication for COPD, n (%)	101 (100%)
Inhaled corticosteroids, n (%)	94 (93.1%)
COPD status, GOLD stage, n (%)	
Mild	0 (0%)
Moderate	45 (44.6%)
Severe	40 (39.6%)
Very severe	16 (15.8%)
Bronchiectasis status, n (%)	10 (9.9%)
Number of exacerbations experienced by subject in 12 months, n (%)	
One exacerbation	31 (22.0%)
Two exacerbations	23 (29.1%)
Three or more exacerbations	47 (19.7%)
FEV ₁ after bronchodilator use (% predicted), mean ± SD	47.1 ± 12.8

Table 1. Characteristics of the cohort for microbiome analysis Abbreviations: N- number of subjects in the microbiome cohort, n-number of subjects corresponding to characteristic, SD-standard deviation, COPD-chronic obstructive pulmonary disease, GOLD-global initiative for chronic obstructive lung disease, FEV-forced expiratory volume in 1 second.

FIGURES

Figure 1

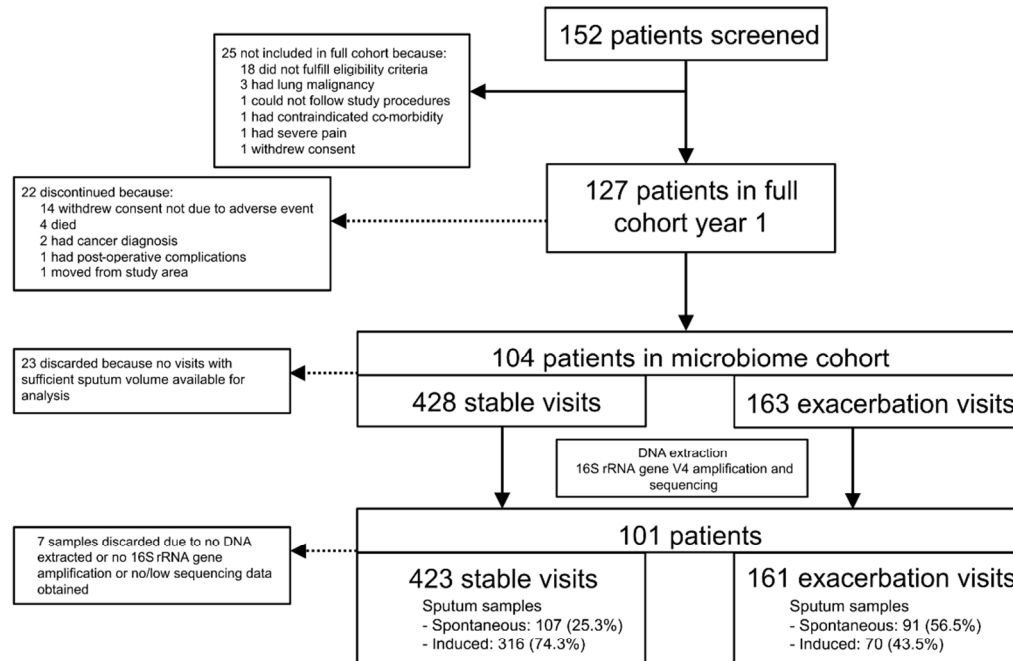


Figure 2

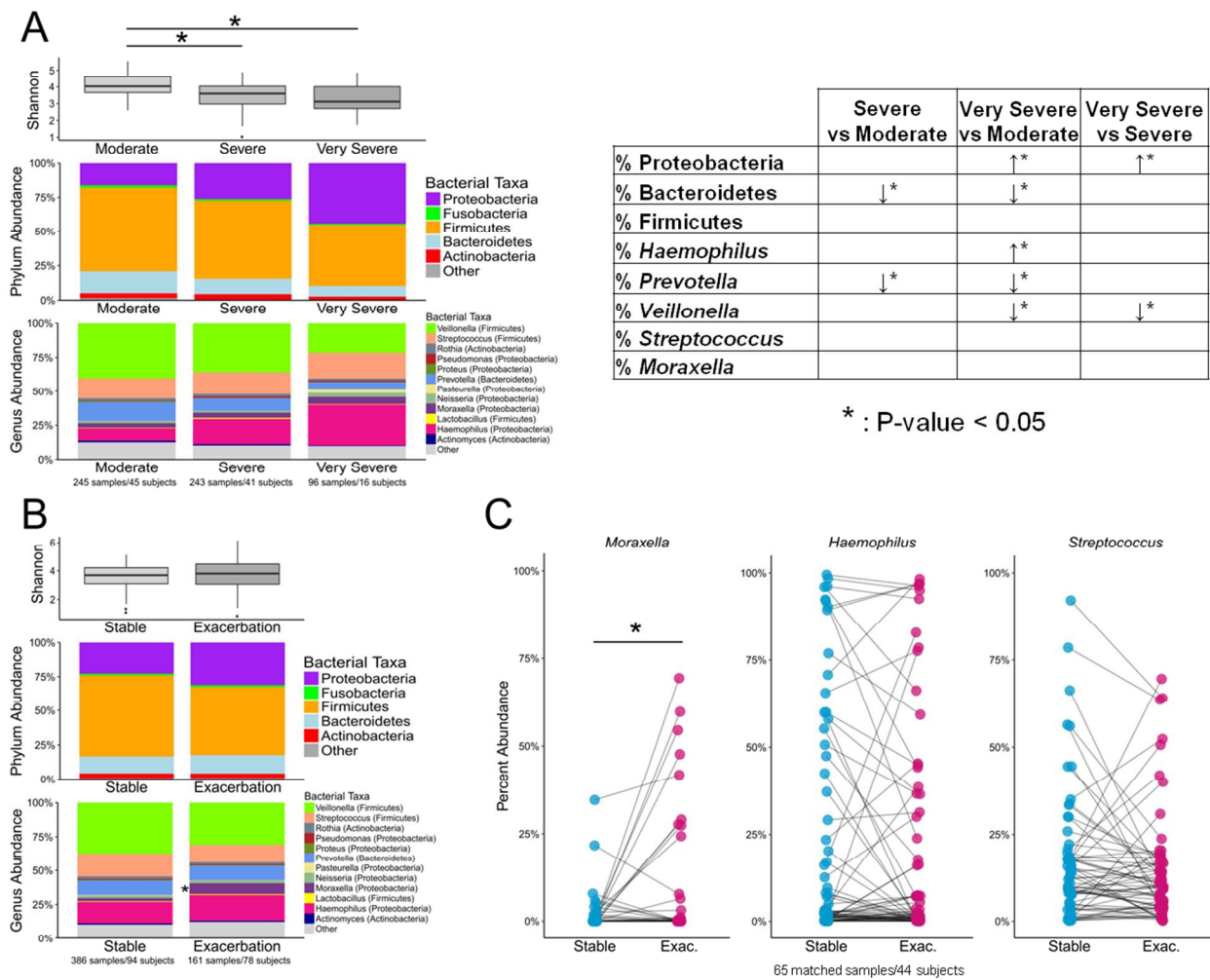


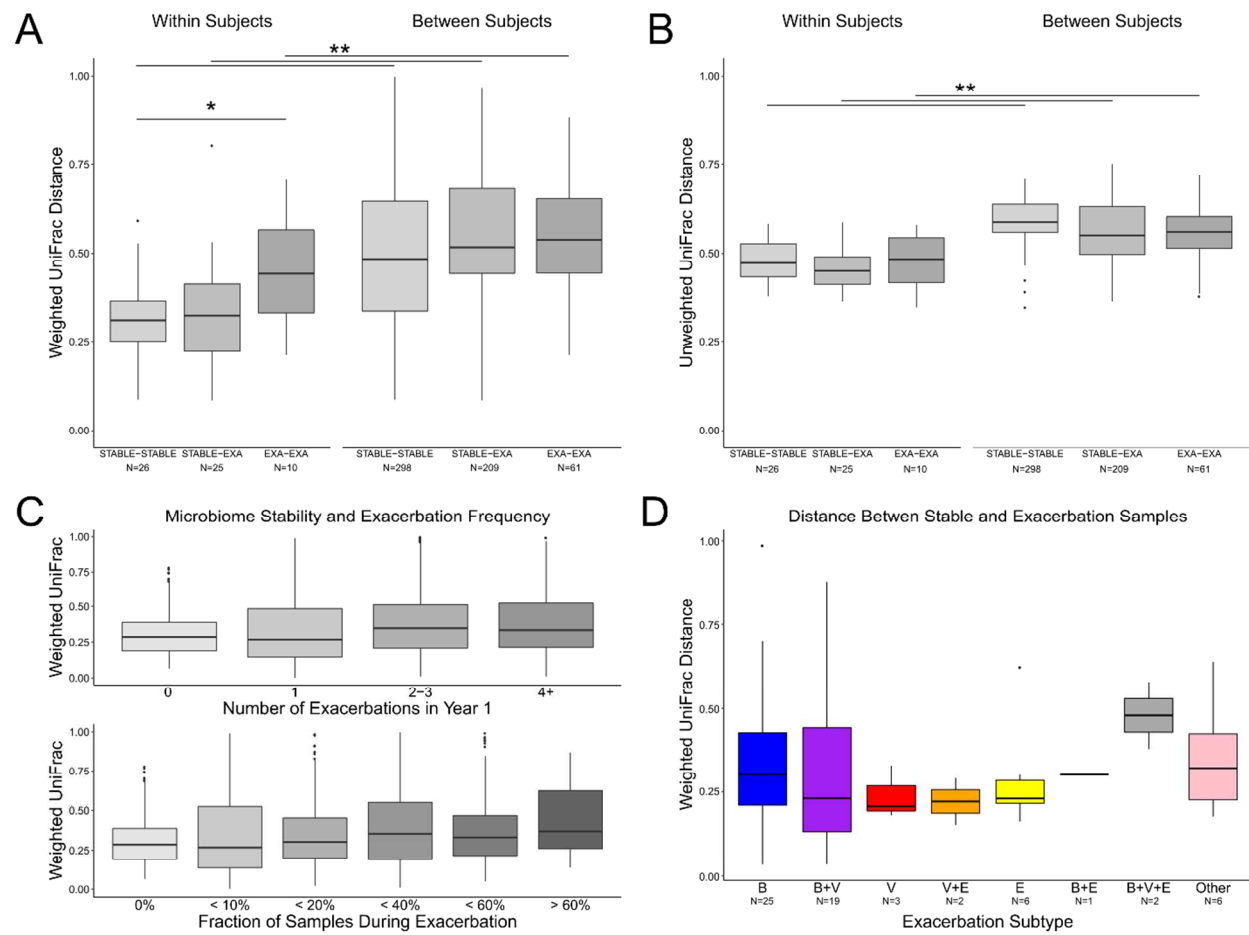
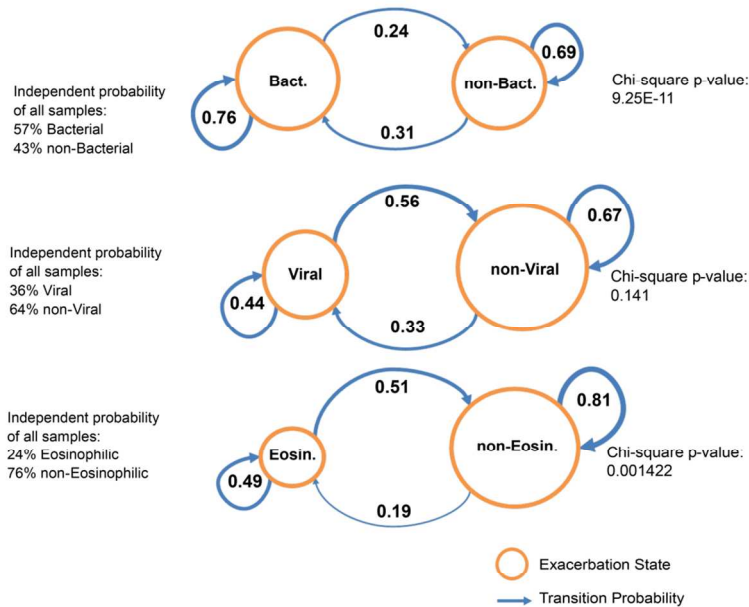
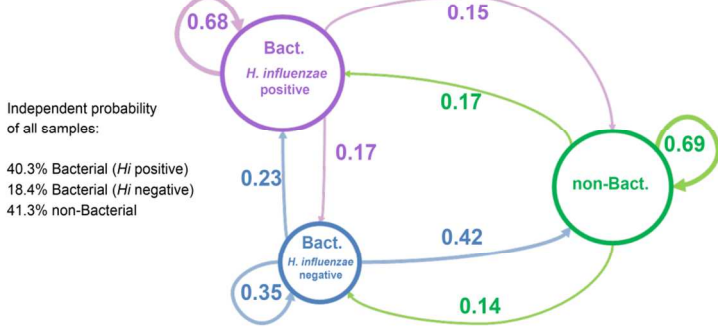
Figure 3

Figure 4

A



B



Supplementary Table S1: Basic information about individuals

SubID	Age	Sex	COPD Severity	Smoking Status
1	1	63 M	Very severe	Not current smoker
2	2	77 M	Severe	Not current smoker
3	4	60 F	Very severe	Current smoker
4	5	65 M	Severe	Not current smoker
5	6	66 F	Moderate	Current smoker
6	8	64 M	Moderate	Not current smoker
7	9	69 F	Moderate	Not current smoker
8	10	67 F	Moderate	Not current smoker
9	11	68 M	Moderate	Not current smoker
10	15	62 F	Moderate	Current smoker
11	17	69 M	Severe	Not current smoker
12	20	70 M	Severe	Not current smoker
13	21	69 M	Severe	Not current smoker
14	22	77 M	Severe	Not current smoker
15	24	61 M	Very severe	Not current smoker
16	25	71 F	Severe	Current smoker
17	26	79 F	Moderate	Not current smoker
18	27	62 M	Moderate	Current smoker
19	29	68 M	Moderate	Not current smoker
20	30	72 M	Moderate	Not current smoker
21	32	59 M	Moderate	Current smoker
22	33	64 M	Severe	Current smoker
23	34	78 M	Moderate	Not current smoker
24	35	76 F	Moderate	Not current smoker
25	36	76 M	Very severe	Current smoker
26	38	67 F	Severe	Current smoker
27	39	79 M	Severe	Not current smoker
28	41	51 F	Severe	Current smoker
29	42	68 M	Severe	Not current smoker
30	44	67 M	Severe	Not current smoker
31	45	75 M	Moderate	Not current smoker
32	46	62 F	Very severe	Current smoker
33	48	70 M	Moderate	Not current smoker
34	50	77 M	Moderate	Not current smoker
35	51	71 M	Moderate	Not current smoker
36	52	69 F	Severe	Not current smoker
37	53	85 M	Severe	Not current smoker
38	54	74 F	Severe	Not current smoker
39	55	57 M	Moderate	Not current smoker
40	56	66 F	Moderate	Not current smoker
41	57	73 M	Moderate	Not current smoker
42	58	66 M	Severe	Not current smoker
43	59	62 M	Very severe	Current smoker
44	60	71 F	Very severe	Current smoker

1				
2	61	67 M	Moderate	Current smoker
3	63	63 M	Moderate	Not current smoker
4	64	62 M	Very severe	Current smoker
5	66	67 M	Severe	Not current smoker
6	68	54 F	Moderate	Current smoker
7	70	65 M	Very severe	Not current smoker
8	71	82 M	Severe	Not current smoker
9	73	63 F	Severe	Not current smoker
10	74	69 F	Severe	Not current smoker
11	75	79 F	Moderate	Not current smoker
12	76	70 F	Severe	Not current smoker
13	78	64 M	Severe	Current smoker
14	80	66 M	Moderate	Current smoker
15	81	65 M	Severe	Not current smoker
16	82	61 F	Severe	Current smoker
17	83	64 F	Very severe	Current smoker
18	84	54 M	Moderate	Not current smoker
19	85	74 F	Moderate	Current smoker
20	86	77 M	Moderate	Not current smoker
21	92	54 F	Very severe	Current smoker
22	93	75 F	Severe	Not current smoker
23	94	78 M	Severe	Not current smoker
24	95	42 M	Moderate	Current smoker
25	97	73 M	Moderate	Current smoker
26	101	75 M	Moderate	Not current smoker
27	102	54 F	Moderate	Not current smoker
28	103	56 M	Moderate	Current smoker
29	104	63 F	Severe	Current smoker
30	109	63 F	Moderate	Current smoker
31	111	78 M	Moderate	Not current smoker
32	112	68 M	Moderate	Current smoker
33	113	68 F	Moderate	Current smoker
34	115	65 F	Severe	Current smoker
35	118	67 F	Severe	Current smoker
36	120	59 F	Severe	Not current smoker
37	121	82 M	Severe	Not current smoker
38	122	82 F	Severe	Current smoker
39	124	80 M	Severe	Not current smoker
40	125	67 M	Moderate	Not current smoker
41	126	59 F	Moderate	Current smoker
42	127	70 M	Moderate	Not current smoker
43	128	71 M	Severe	Not current smoker
44	131	79 F	Very severe	Not current smoker
45	132	63 F	Very severe	Not current smoker
46	135	47 F	Moderate	Current smoker
47	136	62 M	Severe	Not current smoker
48	137	82 F	Moderate	Not current smoker
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2	138	60 F	Severe	Current smoker
3	141	66 M	Moderate	Not current smoker
4	142	56 F	Severe	Current smoker
5	144	59 M	Severe	Current smoker
6	145	62 F	Severe	Current smoker
7	146	73 M	Moderate	Not current smoker
8	147	50 F	Moderate	Current smoker
9				
10	149	68 M	Very severe	Not current smoker
11	150	68 M	Very severe	Not current smoker
12				
13	151	50 M	Very severe	Current smoker
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4	Number of exacerbations	Bronchiectasis	ICS Usage
5	One exacerbation	N	Y
6	More than two exacerbations	Y	Y
7	More than two exacerbations	Y	Y
8	More than two exacerbations	N	Y
9	One exacerbation	N	Y
10	One exacerbation	N	Y
11	One exacerbation	N	Y
12	More than two exacerbations	N	Y
13	More than two exacerbations	N	Y
14	One exacerbation	N	N
15	More than two exacerbations	N	Y
16	Two exacerbations	N	Y
17	More than two exacerbations	N	Y
18	Two exacerbations	N	Y
19	More than two exacerbations	N	Y
20	One exacerbation	N	Y
21	More than two exacerbations	N	Y
22	Two exacerbations	N	Y
23	Two exacerbations	N	Y
24	One exacerbation	N	Y
25	More than two exacerbations	N	Y
26	Two exacerbations	N	Y
27	One exacerbation	N	Y
28	Two exacerbations	N	Y
29	One exacerbation	N	Y
30	More than two exacerbations	N	Y
31	More than two exacerbations	N	Y
32	More than two exacerbations	N	Y
33	More than two exacerbations	N	Y
34	More than two exacerbations	N	Y
35	More than two exacerbations	N	Y
36	More than two exacerbations	N	Y
37	One exacerbation	N	Y
38	More than two exacerbations	N	Y
39	More than two exacerbations	Y	Y
40	One exacerbation	N	Y
41	More than two exacerbations	N	Y
42	One exacerbation	N	Y
43	Two exacerbations	N	Y
44	One exacerbation	N	N
45	More than two exacerbations	N	Y
46	Two exacerbations	N	Y
47	Two exacerbations	N	Y
48	One exacerbation	N	N
49	One exacerbation	N	N
50	Two exacerbations	N	Y
51	Two exacerbations	N	Y
52	More than two exacerbations	N	Y
53	More than two exacerbations	N	Y

1			
2	More than two exacerbations	N	Y
3	One exacerbation	N	Y
4	More than two exacerbations	N	Y
5	Two exacerbations	N	Y
6	More than two exacerbations	N	Y
7	More than two exacerbations	N	Y
8	More than two exacerbations	N	Y
9	One exacerbation	Y	Y
10	More than two exacerbations	N	Y
11	More than two exacerbations	N	Y
12	One exacerbation	N	Y
13	More than two exacerbations	N	Y
14	More than two exacerbations	N	Y
15	More than two exacerbations	N	Y
16	More than two exacerbations	N	Y
17	Two exacerbations	Y	Y
18	More than two exacerbations	N	Y
19	More than two exacerbations	N	Y
20	More than two exacerbations	N	Y
21	One exacerbation	N	Y
22	One exacerbation	N	Y
23	One exacerbation	N	Y
24	Two exacerbations	N	Y
25	More than two exacerbations	Y	Y
26	More than two exacerbations	N	Y
27	More than two exacerbations	N	Y
28	More than two exacerbations	N	Y
29	Two exacerbations	N	Y
30	More than two exacerbations	N	Y
31	More than two exacerbations	N	Y
32	One exacerbation	N	N
33	One exacerbation	N	Y
34	One exacerbation	N	Y
35	More than two exacerbations	N	Y
36	One exacerbation	N	Y
37	Two exacerbations	N	Y
38	More than two exacerbations	N	Y
39	More than two exacerbations	N	Y
40	Two exacerbations	N	Y
41	One exacerbation	N	Y
42	One exacerbation	N	Y
43	Two exacerbations	N	Y
44	One exacerbation	N	Y
45	One exacerbation	N	Y
46	Two exacerbations	N	Y
47	One exacerbation	N	Y
48	One exacerbation	N	Y
49	Two exacerbations	N	Y
50	One exacerbation	N	Y
51	Two exacerbations	Y	N
52	More than two exacerbations	N	Y
53	Two exacerbations	N	Y
54	Two exacerbations	N	Y
55	One exacerbation	N	Y

1			
2	More than two exacerbations	N	Y
3	Two exacerbations	Y	Y
4	More than two exacerbations	Y	Y
5	More than two exacerbations	N	Y
6	More than two exacerbations	N	Y
7	More than two exacerbations	N	Y
8	More than two exacerbations	N	Y
9	Two exacerbations	N	N
10	Two exacerbations	N	Y
11	One exacerbation	N	Y
12	More than two exacerbations	Y	Y
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Supplementary Table S2: Genus-level Relative Abundances for all Samples

16SrRNAsequencingSampleID	SubjectID	VisitType	Sputum_Spontaneous
AERIS.pl6.B3.1.25626056308007.EXA2	1	Exacerbation	No
AERIS.pl5.B3.1.25626160051004.POSM1	1	Stable	No
AERIS.pl2.A5.1.25626058722009.POSM3	1	Stable	Yes
AERIS.pl2.D9.1.25626067722007.POSM4	1	Stable	No
AERIS.pl3.A1.1.25626068727001.POSM5	1	Stable	Yes
AERIS.pl3.A5.1.25626069727000.POSM6	1	Stable	No
AERIS.pl3.G9.1.25626071527001.POSM7	1	Stable	No
AERIS.pl4.D2.1.25626075390007.POSM8	1	Stable	No
AERIS.pl4.F6.1.25626076402006.POSM9	1	Stable	No
AERIS.pl1.A1.1.25626077402005.POSM10	1	Stable	No
AERIS.pl1.D4.1.25626078402004.POSM11	1	Stable	No
AERIS.pl6.C3.2.25626056318006.EXA2	2	Exacerbation	Yes
AERIS.pl6.F6.2.25626056343008.EXA3	2	Exacerbation	No
AERIS.pl5Bis.D7.4.25626056276009.EXA1	4	Exacerbation	Yes
AERIS.pl6.D3.4.25626056321006.EXA2	4	Exacerbation	No
AERIS.pl3.B5.4.25626069728007.POSM6	4	Stable	No
AERIS.pl3.H9.4.25626071528008.POSM7	4	Stable	Yes
AERIS.pl4.G6.4.25626076403003.POSM9	4	Stable	Yes
AERIS.pl1.E4.4.25626078403001.POSM11	4	Stable	Yes
AERIS.pl1.E8.4.25626075905003.POSM12	4	Stable	Yes
AERIS.pl5.C3.5.25626160055002.POSM1	5	Stable	No
AERIS.pl6.F3.5.25626056324007.EXA2	5	Exacerbation	No
AERIS.pl6.G6.5.25626056353007.EXA3	5	Exacerbation	No
AERIS.pl7.D4.5.25626056411004.EXA9	5	Exacerbation	Yes
AERIS.pl3.C5.5.25626069729004.POSM6	5	Stable	No
AERIS.pl7.E2.5.25626056402002.EXA6	5	Exacerbation	Yes
AERIS.pl1.F8.5.25626075906000.POSM12	5	Stable	No
AERIS.pl4.C10.6.25626152706004.PREM0	6	Stable	Yes
AERIS.pl5Bis.E7.6.25626056290005.EXA1	6	Exacerbation	Yes
AERIS.pl3.B1.6.25626068728008.POSM5	6	Stable	Yes
AERIS.pl3.D5.6.25626069730000.POSM6	6	Stable	Yes
AERIS.pl1.B1.6.25626077403002.POSM10	6	Stable	Yes
AERIS.pl1.G8.6.25626075907007.POSM12	6	Stable	Yes
AERIS.pl4.D10.8.25626152708008.PREM0	8	Stable	No
AERIS.pl3.A10.8.25626071529005.POSM7	8	Stable	No
AERIS.pl1.H8.8.25626075908004.POSM12	8	Stable	No
AERIS.pl1.F12.9.25626065706009.POSM2	9	Stable	No
AERIS.pl2.B5.9.25626058723006.POSM3	9	Stable	No
AERIS.pl3.E5.9.25626069731007.POSM6	9	Stable	No
AERIS.pl3.B10.9.25626071530001.POSM7	9	Stable	No
AERIS.pl4.E2.9.25626075391004.POSM8	9	Stable	No
AERIS.pl4.H6.9.25626076404000.POSM9	9	Stable	No
AERIS.pl1.F4.9.25626078404008.POSM11	9	Stable	No
AERIS.pl2.C5.10.25626058724003.POSM3	10	Stable	Yes

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2	AERIS.pl4.E10.11.25626158561003.PREM0	11 Stable	Yes
3	AERIS.pl5Bis.F7.11.25626056249003.EXA1	11 Exacerbation	Yes
4	AERIS.pl2.E9.11.25626067723004.POSM4	11 Stable	Yes
5	AERIS.pl6.H12.11.25626056383004.EXA5	11 Exacerbation	No
6	AERIS.pl3.F5.11.25626069732004.POSM6	11 Stable	No
7	AERIS.pl3.C10.11.25626071531008.POSM7	11 Stable	No
8	AERIS.pl4.F2.11.25626075392001.POSM8	11 Stable	No
9	AERIS.pl1.C1.11.25626077404009.POSM10	11 Stable	No
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11	AERIS.pl7.F2.11.25626056396004.EXA6	11 Exacerbation	No
12	AERIS.pl4.F10.15.25626158565001.PREM0	15 Stable	Yes
13	AERIS.pl5Bis.G7.15.25626056268004.EXA1	15 Exacerbation	Yes
14	AERIS.pl3.G5.15.25626069733001.POSM6	15 Stable	No
15	AERIS.pl4.A7.15.25626076405007.POSM9	15 Stable	No
16	AERIS.pl1.D1.15.25626077405006.POSM10	15 Stable	No
17	AERIS.pl7.G3.17.25626056406000.EXA7	17 Exacerbation	Yes
18	AERIS.pl2.F9.17.25626067724001.POSM4	17 Stable	Yes
19	AERIS.pl7.G2.17.25626056398008.EXA6	17 Exacerbation	No
20	AERIS.pl3.C1.17.25626068729005.POSM5	17 Stable	No
21	AERIS.pl3.H5.17.25626069734008.POSM6	17 Stable	No
22	AERIS.pl1.A9.17.25626075909001.POSM12	17 Stable	Yes
23	AERIS.pl1.G12.20.25626065707006.POSM2	20 Stable	No
24	AERIS.pl3.D1.20.25626068730001.POSM5	20 Stable	No
25	AERIS.pl3.A6.20.25626069735005.POSM6	20 Stable	No
26	AERIS.pl3.D10.20.25626071532005.POSM7	20 Stable	Yes
27	AERIS.pl5Bis.A8.21.25626056271004.EXA1	21 Exacerbation	No
28	AERIS.pl7.A1.21.25626056385008.EXA5	21 Exacerbation	Yes
29	AERIS.pl3.E1.21.25626068731008.POSM5	21 Stable	Yes
30	AERIS.pl7.H2.21.25626056399005.EXA6	21 Exacerbation	Yes
31	AERIS.pl6.E10.21.25626056367004.EXA4	21 Exacerbation	No
32	AERIS.pl3.E10.21.25626071533002.POSM7	21 Stable	Yes
33	AERIS.pl2.D5.22.25626058725000.POSM3	22 Stable	No
34	AERIS.pl6.F10.22.25626056368001.EXA4	22 Exacerbation	Yes
35	AERIS.pl6.A7.22.25626056344005.EXA3	22 Exacerbation	No
36	AERIS.pl3.B6.22.25626069736002.POSM6	22 Stable	No
37	AERIS.pl4.G2.22.25626075393008.POSM8	22 Stable	No
38	AERIS.pl1.G4.22.25626078405005.POSM11	22 Stable	No
39	AERIS.pl4.G10.24.25626158574003.PREM0	24 Stable	Yes
40	AERIS.pl6.G3.24.25626056319003.EXA2	24 Exacerbation	Yes
41	AERIS.pl2.E5.24.25626058726007.POSM3	24 Stable	Yes
42	AERIS.pl2.G9.24.25626067725008.POSM4	24 Stable	No
43	AERIS.pl6.B7.25.25626056345002.EXA3	25 Exacerbation	Yes
44	AERIS.pl6.G10.25.25626056369008.EXA4	25 Exacerbation	Yes
45	AERIS.pl1.E1.25.25626077406003.POSM10	25 Stable	Yes
46	AERIS.pl6.C7.26.25626056346009.EXA3	26 Exacerbation	Yes
47	AERIS.pl3.F1.26.25626068732005.POSM5	26 Stable	No
48	AERIS.pl4.B7.26.25626076406004.POSM9	26 Stable	Yes
49	AERIS.pl1.H12.27.25626065708003.POSM2	27 Stable	No
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2	AERIS.pl2.F5.27.25626058727004.POSM3	27 Stable	Yes
3	AERIS.pl3.G1.27.25626068733002.POSM5	27 Stable	No
4	AERIS.pl3.C6.27.25626069737009.POSM6	27 Stable	No
5	AERIS.pl4.H2.27.25626075394005.POSM8	27 Stable	No
6	AERIS.pl1.H4.27.25626078406002.POSM11	27 Stable	No
7	AERIS.pl2.G5.29.25626058728001.POSM3	29 Stable	Yes
8	AERIS.pl2.H9.29.25626067726005.POSM4	29 Stable	No
9	AERIS.pl3.H1.29.25626068734009.POSM5	29 Stable	Yes
10	AERIS.pl3.D6.29.25626069738006.POSM6	29 Stable	No
11	AERIS.pl4.C7.29.25626076407001.POSM9	29 Stable	No
12	AERIS.pl1.A5.29.25626078407009.POSM11	29 Stable	No
13	AERIS.pl1.B9.29.25626079910003.POSM12	29 Stable	No
14	AERIS.pl5Bis.B8.29.25626056272001.EXA1	29 Exacerbation	No
15	AERIS.pl4.H10.30.25626158580004.PREM0	30 Stable	No
16	AERIS.pl6.A11.30.25626056371001.EXA4	30 Exacerbation	No
17	AERIS.pl6.D7.30.25626056347006.EXA3	30 Exacerbation	No
18	AERIS.pl3.F10.30.25626071534009.POSM7	30 Stable	No
19	AERIS.pl7.B1.30.25626056386005.EXA5	30 Exacerbation	No
20	AERIS.pl7.A3.30.25626056400008.EXA6	30 Exacerbation	Yes
21	AERIS.pl1.B5.30.25626078408006.POSM11	30 Stable	Yes
22	AERIS.pl1.C9.30.25626079911000.POSM12	30 Stable	No
23	AERIS.pl4.A11.32.25626158582008.PREM0	32 Stable	No
24	AERIS.pl2.A1.32.25626065709000.POSM2	32 Stable	No
25	AERIS.pl2.H5.32.25626058729008.POSM3	32 Stable	Yes
26	AERIS.pl2.A10.32.25626067727002.POSM4	32 Stable	No
27	AERIS.pl3.A2.32.25626068735006.POSM5	32 Stable	No
28	AERIS.pl3.F6.32.25626069739003.POSM6	32 Stable	No
29	AERIS.pl3.G10.32.25626071535006.POSM7	32 Stable	No
30	AERIS.pl4.A3.32.25626075395002.POSM8	32 Stable	Yes
31	AERIS.pl5Bis.C8.32.25626056273008.EXA1	32 Exacerbation	Yes
32	AERIS.pl1.C5.32.25626078409003.POSM11	32 Stable	Yes
33	AERIS.pl1.D9.32.25626079912007.POSM12	32 Stable	No
34	AERIS.pl5.D3.33.25626160083005.POSM1	33 Stable	No
35	AERIS.pl6.E7.33.25626056348003.EXA3	33 Exacerbation	No
36	AERIS.pl2.B1.33.25626065710006.POSM2	33 Stable	No
37	AERIS.pl7.C1.33.25626056387002.EXA5	33 Exacerbation	Yes
38	AERIS.pl6.B11.33.25626056372008.EXA4	33 Exacerbation	Yes
39	AERIS.pl4.B3.33.25626075396009.POSM8	33 Stable	No
40	AERIS.pl1.D5.33.25626078410009.POSM11	33 Stable	No
41	AERIS.pl7.B3.33.25626056401005.EXA6	33 Exacerbation	No
42	AERIS.pl2.C1.34.25626065711003.POSM2	34 Stable	Yes
43	AERIS.pl5Bis.D8.34.25626056274005.EXA1	34 Exacerbation	No
44	AERIS.pl3.G6.34.25626069740009.POSM6	34 Stable	No
45	AERIS.pl2.D1.35.25626065712000.POSM2	35 Stable	No
46	AERIS.pl2.A6.35.25626066210000.POSM3	35 Stable	No
47	AERIS.pl2.B10.35.25626067728009.POSM4	35 Stable	No
48	AERIS.pl3.H6.35.25626069741006.POSM6	35 Stable	No
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2	AERIS.pl3.H10.35.25626071536003.POSM7	35 Stable	No
3	AERIS.pl2.B6.36.25626066211007.POSM3	36 Stable	No
4	AERIS.pl2.C10.36.25626067729006.POSM4	36 Stable	No
5	AERIS.pl3.B2.36.25626068736003.POSM5	36 Stable	No
6	AERIS.pl7.D1.36.25626056388009.EXA5	36 Exacerbation	No
7	AERIS.pl5.E3.38.25626160088000.POSM1	38 Stable	Yes
8	AERIS.pl2.E1.38.25626065713007.POSM2	38 Stable	Yes
9	AERIS.pl5Bis.E8.38.25626056275002.EXA1	38 Exacerbation	Yes
10	AERIS.pl2.C6.38.25626066212004.POSM3	38 Stable	Yes
11	AERIS.pl2.D10.38.25626067730002.POSM4	38 Stable	Yes
12	AERIS.pl3.A11.38.25626071537000.POSM7	38 Stable	Yes
13	AERIS.pl6.C11.39.25626056373005.EXA4	39 Exacerbation	No
14	AERIS.pl7.E1.39.25626056389006.EXA5	39 Exacerbation	No
15	AERIS.pl6.H3.39.25626056320009.EXA2	39 Exacerbation	No
16	AERIS.pl6.F7.39.25626056349000.EXA3	39 Exacerbation	No
17	AERIS.pl7.C4.39.25626056410007.EXA8	39 Exacerbation	No
18	AERIS.pl3.A7.39.25626069742003.POSM6	39 Stable	No
19	AERIS.pl7.H3.39.25626056407007.EXA7	39 Exacerbation	Yes
20	AERIS.pl4.C3.39.25626075397006.POSM8	39 Stable	No
21	AERIS.pl4.D7.39.25626076408008.POSM9	39 Stable	No
22	AERIS.pl1.F1.39.25626077407000.POSM10	39 Stable	No
23	AERIS.pl1.E9.39.25626079913004.POSM12	39 Stable	No
24	AERIS.pl5.F3.41.25626160091000.POSM1	41 Stable	No
25	AERIS.pl2.F1.42.25626065714004.POSM2	42 Stable	No
26	AERIS.pl5Bis.F8.42.25626056277006.EXA1	42 Exacerbation	Yes
27	AERIS.pl4.B11.44.25626158594001.PREM0	44 Stable	Yes
28	AERIS.pl6.A4.44.25626056322003.EXA2	44 Exacerbation	Yes
29	AERIS.pl5.G3.44.25626160094001.POSM1	44 Stable	Yes
30	AERIS.pl5Bis.G8.44.25626056278003.EXA1	44 Exacerbation	No
31	AERIS.pl2.D6.44.25626066213001.POSM3	44 Stable	No
32	AERIS.pl2.E10.44.25626067731009.POSM4	44 Stable	No
33	AERIS.pl3.C2.44.25626068737000.POSM5	44 Stable	No
34	AERIS.pl6.G7.44.25626056350006.EXA3	44 Exacerbation	Yes
35	AERIS.pl3.B7.44.25626069743000.POSM6	44 Stable	No
36	AERIS.pl3.B11.44.25626071538007.POSM7	44 Stable	No
37	AERIS.pl4.D3.44.25626075398003.POSM8	44 Stable	No
38	AERIS.pl1.E5.44.25626078411006.POSM11	44 Stable	No
39	AERIS.pl1.F9.44.25626079914001.POSM12	44 Stable	No
40	AERIS.pl6.H7.45.25626056351003.EXA3	45 Exacerbation	Yes
41	AERIS.pl2.G1.45.25626065715001.POSM2	45 Stable	No
42	AERIS.pl6.B4.45.25626056323000.EXA2	45 Exacerbation	Yes
43	AERIS.pl5Bis.H8.45.25626056279000.EXA1	45 Exacerbation	No
44	AERIS.pl2.F10.45.25626067732006.POSM4	45 Stable	Yes
45	AERIS.pl7.F1.45.25626056390002.EXA5	45 Exacerbation	Yes
46	AERIS.pl3.C11.45.25626071539004.POSM7	45 Stable	No
47	AERIS.pl2.E6.46.25626066214008.POSM3	46 Stable	No
48	AERIS.pl6.A8.46.25626056352000.EXA3	46 Exacerbation	Yes
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AERIS.pl3.D2.46.25626068738007.POSM5	46 Stable	No
AERIS.pl3.D11.46.25626071540000.POSM7	46 Stable	No
AERIS.pl6.D11.46.25626056374002.EXA4	46 Exacerbation	Yes
AERIS.pl4.E7.46.25626076409005.POSM9	46 Stable	Yes
AERIS.pl7.G1.46.25626056391009.EXA5	46 Exacerbation	Yes
AERIS.pl5.H3.48.25626160098009.POSM1	48 Stable	Yes
AERIS.pl5Bis.A9.48.25626056280006.EXA1	48 Exacerbation	No
AERIS.pl2.H1.48.25626065716008.POSM2	48 Stable	No
AERIS.pl2.F6.48.25626066215005.POSM3	48 Stable	No
AERIS.pl3.E11.48.25626071541007.POSM7	48 Stable	No
AERIS.pl4.F7.48.25626076410001.POSM9	48 Stable	No
AERIS.pl5Bis.B9.50.25626056281003.EXA1	50 Exacerbation	No
AERIS.pl4.G7.50.25626076411008.POSM9	50 Stable	Yes
AERIS.pl5.A4.51.25626160101006.POSM1	51 Stable	No
AERIS.pl5Bis.C9.51.25626056282000.EXA1	51 Exacerbation	No
AERIS.pl6.C4.52.25626056325004.EXA2	52 Exacerbation	Yes
AERIS.pl5Bis.D9.52.25626056283007.EXA1	52 Exacerbation	Yes
AERIS.pl6.E11.52.25626056375009.EXA4	52 Exacerbation	Yes
AERIS.pl4.H7.52.25626076412005.POSM9	52 Stable	Yes
AERIS.pl1.G1.52.25626077408007.POSM10	52 Stable	Yes
AERIS.pl1.F5.52.25626078412003.POSM11	52 Stable	Yes
AERIS.pl1.G9.52.25626079915008.POSM12	52 Stable	Yes
AERIS.pl4.C11.53.25626158603000.PREM0	53 Stable	No
AERIS.pl7.C3.53.25626056403009.EXA6	53 Exacerbation	Yes
AERIS.pl5.B4.53.25626160103000.POSM1	53 Stable	No
AERIS.pl5Bis.F9.53.25626056284004.EXA1	53 Exacerbation	No
AERIS.pl2.G6.53.25626066216002.POSM3	53 Stable	Yes
AERIS.pl2.G10.53.25626067733003.POSM4	53 Stable	No
AERIS.pl3.F11.53.25626071542004.POSM7	53 Stable	No
AERIS.pl6.D4.53.25626056326001.EXA2	53 Exacerbation	No
AERIS.pl6.B8.53.25626056354004.EXA3	53 Exacerbation	Yes
AERIS.pl4.A8.53.25626076413002.POSM9	53 Stable	No
AERIS.pl1.H1.53.25626077409004.POSM10	53 Stable	No
AERIS.pl1.G5.53.25626078413000.POSM11	53 Stable	No
AERIS.pl5.C4.54.25626160104007.POSM1	54 Stable	No
AERIS.pl5Bis.G9.54.25626056285001.EXA1	54 Exacerbation	Yes
AERIS.pl1.A2.54.25626077410000.POSM10	54 Stable	No
AERIS.pl1.H9.54.25626079916005.POSM12	54 Stable	Yes
AERIS.pl5Bis.H9.55.25626056286008.EXA1	55 Exacerbation	Yes
AERIS.pl2.H6.55.25626066217009.POSM3	55 Stable	No
AERIS.pl4.F3.55.25626075399000.POSM8	55 Stable	No
AERIS.pl2.A7.56.25626066218006.POSM3	56 Stable	No
AERIS.pl2.H10.56.25626067734000.POSM4	56 Stable	No
AERIS.pl3.C7.56.25626069744007.POSM6	56 Stable	No
AERIS.pl3.G11.56.25626071543001.POSM7	56 Stable	No
AERIS.pl1.B2.56.25626077411007.POSM10	56 Stable	No
AERIS.pl5.D4.57.25626160107008.POSM1	57 Stable	No

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2	AERIS.pl5Bis.A10.57.25626056287005.EXA1	57 Exacerbation	No
3	AERIS.pl2.B7.57.25626066219003.POSM3	57 Stable	No
4	AERIS.pl3.E2.57.25626068739004.POSM5	57 Stable	No
5	AERIS.pl1.A10.57.25626079917002.POSM12	57 Stable	No
6	AERIS.pl4.D11.58.25626158608005.PREM0	58 Stable	No
7	AERIS.pl5Bis.B10.58.25626056288002.EXA1	58 Exacerbation	Yes
8	AERIS.pl2.A2.58.25626065717005.POSM2	58 Stable	No
9	AERIS.pl2.C7.58.25626066220009.POSM3	58 Stable	No
10	AERIS.pl3.D7.58.25626069745004.POSM6	58 Stable	Yes
11	AERIS.pl3.H11.58.25626071544008.POSM7	58 Stable	No
12	AERIS.pl4.B8.58.25626076414009.POSM9	58 Stable	No
13	AERIS.pl1.C2.58.25626077412004.POSM10	58 Stable	No
14	AERIS.pl6.C8.58.25626056355001.EXA3	58 Exacerbation	Yes
15	AERIS.pl1.B10.58.25626079918009.POSM12	58 Stable	No
16	AERIS.pl4.E11.59.25626158609002.PREM0	59 Stable	No
17	AERIS.pl5Bis.C10.59.25626056289009.EXA1	59 Exacerbation	No
18	AERIS.pl2.B2.59.25626065718002.POSM2	59 Stable	No
19	AERIS.pl2.D7.59.25626066221006.POSM3	59 Stable	No
20	AERIS.pl2.A11.59.25626067735007.POSM4	59 Stable	No
21	AERIS.pl3.F2.59.25626068740000.POSM5	59 Stable	No
22	AERIS.pl3.E7.59.25626069746001.POSM6	59 Stable	No
23	AERIS.pl3.A12.59.25626071545005.POSM7	59 Stable	No
24	AERIS.pl4.C8.59.25626076415006.POSM9	59 Stable	No
25	AERIS.pl1.H5.59.25626078414007.POSM11	59 Stable	No
26	AERIS.pl4.F11.60.25626158610008.PREM0	60 Stable	Yes
27	AERIS.pl6.E4.60.25626056327008.EXA2	60 Exacerbation	Yes
28	AERIS.pl2.B11.60.25626067736004.POSM4	60 Stable	No
29	AERIS.pl3.F7.60.25626069747008.POSM6	60 Stable	No
30	AERIS.pl6.F11.60.25626056376006.EXA4	60 Exacerbation	Yes
31	AERIS.pl4.D8.60.25626076416003.POSM9	60 Stable	No
32	AERIS.pl1.D2.60.25626077413001.POSM10	60 Stable	Yes
33	AERIS.pl1.C10.60.25626079919006.POSM12	60 Stable	No
34	AERIS.pl5Bis.D10.61.25626056291002.EXA1	61 Exacerbation	No
35	AERIS.pl2.C2.61.25626065719009.POSM2	61 Stable	No
36	AERIS.pl4.G11.63.25626158613009.PREM0	63 Stable	No
37	AERIS.pl5Bis.E10.63.25626056292009.EXA1	63 Exacerbation	Yes
38	AERIS.pl5.E4.63.25626160113009.POSM1	63 Stable	No
39	AERIS.pl2.E2.63.25626065721002.POSM2	63 Stable	No
40	AERIS.pl2.E7.63.25626066222003.POSM3	63 Stable	No
41	AERIS.pl6.D8.63.25626056356008.EXA3	63 Exacerbation	Yes
42	AERIS.pl3.G7.63.25626069748005.POSM6	63 Stable	No
43	AERIS.pl4.G3.63.25626075400003.POSM8	63 Stable	No
44	AERIS.pl1.A6.63.25626078415004.POSM11	63 Stable	Yes
45	AERIS.pl4.H11.64.25626158614006.PREM0	64 Stable	No
46	AERIS.pl5.F4.64.25626160114006.POSM1	64 Stable	No
47	AERIS.pl2.F2.64.25626065722009.POSM2	64 Stable	No
48	AERIS.pl2.C11.64.25626067737001.POSM4	64 Stable	No
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AERIS.pl3.B12.64.25626071546002.POSM7	64 Stable	No
AERIS.pl4.H3.64.25626075401000.POSM8	64 Stable	No
AERIS.pl5Bis.F10.64.25626056293006.EXA1	64 Exacerbation	Yes
AERIS.pl1.B6.64.25626078416001.POSM11	64 Stable	Yes
AERIS.pl6.F4.66.25626056328005.EXA2	66 Exacerbation	Yes
AERIS.pl6.E8.66.25626056357005.EXA3	66 Exacerbation	No
AERIS.pl4.A12.68.25626158618004.PREM0	68 Stable	No
AERIS.pl5Bis.G10.68.25626056294003.EXA1	68 Exacerbation	No
AERIS.pl5.G4.68.25626160118004.POSM1	68 Stable	No
AERIS.pl2.G2.68.25626065723006.POSM2	68 Stable	No
AERIS.pl6.A3.68.25626056307000.EXA10	68 Exacerbation	No
AERIS.pl6.F8.68.25626056358002.EXA3	68 Exacerbation	Yes
AERIS.pl6.G11.68.25626056377003.EXA4	68 Exacerbation	No
AERIS.pl7.A4.68.25626056408004.EXA7	68 Exacerbation	No
AERIS.pl4.B12.70.25626158620007.PREM0	70 Stable	No
AERIS.pl5.H4.70.25626160120007.POSM1	70 Stable	No
AERIS.pl5Bis.H10.70.25626056295000.EXA1	70 Exacerbation	No
AERIS.pl2.H2.70.25626065724003.POSM2	70 Stable	No
AERIS.pl2.F7.70.25626066223000.POSM3	70 Stable	No
AERIS.pl3.C12.70.25626071547009.POSM7	70 Stable	No
AERIS.pl4.A4.70.25626075402007.POSM8	70 Stable	No
AERIS.pl7.H1.70.25626056392006.EXA5	70 Exacerbation	No
AERIS.pl6.H11.70.25626056378000.EXA4	70 Exacerbation	Yes
AERIS.pl1.C6.70.25626078417008.POSM11	70 Stable	No
AERIS.pl4.C12.71.25626158621004.PREM0	71 Stable	No
AERIS.pl6.G4.71.25626056329002.EXA2	71 Exacerbation	Yes
AERIS.pl2.G7.71.25626066224007.POSM3	71 Stable	No
AERIS.pl2.D11.71.25626067738008.POSM4	71 Stable	Yes
AERIS.pl4.D12.73.25626158623008.PREM0	73 Stable	No
AERIS.pl5.A5.73.25626160123008.POSM1	73 Stable	No
AERIS.pl2.A3.73.25626065725000.POSM2	73 Stable	Yes
AERIS.pl5Bis.A11.73.25626056296007.EXA1	73 Exacerbation	Yes
AERIS.pl4.B4.73.25626075403004.POSM8	73 Stable	Yes
AERIS.pl1.E2.73.25626077414008.POSM10	73 Stable	Yes
AERIS.pl1.D6.73.25626078418005.POSM11	73 Stable	Yes
AERIS.pl6.H4.73.25626056330008.EXA2	73 Exacerbation	Yes
AERIS.pl5Bis.B11.74.25626056297004.EXA1	74 Exacerbation	Yes
AERIS.pl6.G8.74.25626056359009.EXA3	74 Exacerbation	Yes
AERIS.pl2.E11.74.25626067739005.POSM4	74 Stable	Yes
AERIS.pl6.A12.74.25626056379007.EXA4	74 Exacerbation	Yes
AERIS.pl7.B4.74.25626056409001.EXA7	74 Exacerbation	Yes
AERIS.pl7.A2.74.25626056393003.EXA5	74 Exacerbation	Yes
AERIS.pl7.D3.74.25626056404006.EXA6	74 Exacerbation	Yes
AERIS.pl1.D10.74.25626079920002.POSM12	74 Stable	Yes
AERIS.pl4.E12.75.25626158625002.PREM0	75 Stable	No
AERIS.pl1.E10.75.25626079921009.POSM12	75 Stable	Yes
AERIS.pl4.C4.76.25626075404001.POSM8	76 Stable	No

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2	AERIS.pl1.E6.76.25626078419002.POSM11	76 Stable	No
3	AERIS.pl1.F10.76.25626079922006.POSM12	76 Stable	No
4	AERIS.pl1.F6.78.25626078420008.POSM11	78 Stable	Yes
5	AERIS.pl4.F12.80.25626158630006.PREM0	80 Stable	No
6	AERIS.pl5.B5.80.25626160130006.POSM1	80 Stable	No
7	AERIS.pl5Bis.C11.80.25626056298001.EXA1	80 Exacerbation	No
8	AERIS.pl3.G2.80.25626068741007.POSM5	80 Stable	No
9	AERIS.pl3.H7.80.25626069749002.POSM6	80 Stable	No
10	AERIS.pl3.D12.80.25626071548006.POSM7	80 Stable	Yes
11	AERIS.pl6.A5.80.25626056331005.EXA2	80 Exacerbation	No
12	AERIS.pl6.H8.80.25626056360005.EXA3	80 Exacerbation	Yes
13	AERIS.pl7.B2.80.25626056394000.EXA5	80 Exacerbation	Yes
14	AERIS.pl1.F2.80.25626077415005.POSM10	80 Stable	Yes
15	AERIS.pl6.B12.80.25626056380003.EXA4	80 Exacerbation	Yes
16	AERIS.pl1.G6.80.25626078421005.POSM11	80 Stable	No
17	AERIS.pl4.D4.81.25626075405008.POSM8	81 Stable	No
18	AERIS.pl2.B3.82.25626065726007.POSM2	82 Stable	Yes
19	AERIS.pl3.A8.82.25626069750008.POSM6	82 Stable	Yes
20	AERIS.pl1.G2.82.25626077416002.POSM10	82 Stable	Yes
21	AERIS.pl1.G10.82.25626079923003.POSM12	82 Stable	Yes
22	AERIS.pl5.C5.83.25626160133007.POSM1	83 Stable	No
23	AERIS.pl5Bis.D11.83.25626056299008.EXA1	83 Exacerbation	Yes
24	AERIS.pl2.H7.83.25626066225004.POSM3	83 Stable	Yes
25	AERIS.pl3.H2.83.25626068742004.POSM5	83 Stable	Yes
26	AERIS.pl3.B8.83.25626069751005.POSM6	83 Stable	Yes
27	AERIS.pl3.E12.83.25626071549003.POSM7	83 Stable	Yes
28	AERIS.pl4.E8.83.25626076417000.POSM9	83 Stable	Yes
29	AERIS.pl5.D5.84.25626160134004.POSM1	84 Stable	No
30	AERIS.pl2.A8.84.25626066226001.POSM3	84 Stable	No
31	AERIS.pl5Bis.E11.84.25626056300001.EXA1	84 Exacerbation	No
32	AERIS.pl4.F8.84.25626076418007.POSM9	84 Stable	No
33	AERIS.pl4.G12.85.25626158635001.PREM0	85 Stable	No
34	AERIS.pl5.E5.85.25626160135001.POSM1	85 Stable	No
35	AERIS.pl3.A3.85.25626068743001.POSM5	85 Stable	No
36	AERIS.pl3.C8.85.25626069752002.POSM6	85 Stable	Yes
37	AERIS.pl4.E4.85.25626075406005.POSM8	85 Stable	No
38	AERIS.pl4.G8.85.25626076419004.POSM9	85 Stable	No
39	AERIS.pl1.H2.85.25626077417009.POSM10	85 Stable	No
40	AERIS.pl1.H6.85.25626078422002.POSM11	85 Stable	No
41	AERIS.pl4.H12.86.25626158636008.PREM0	86 Stable	No
42	AERIS.pl5.F5.86.25626160136008.POSM1	86 Stable	No
43	AERIS.pl2.C3.86.25626065727004.POSM2	86 Stable	No
44	AERIS.pl2.B8.86.25626066227008.POSM3	86 Stable	Yes
45	AERIS.pl2.F11.86.25626067740001.POSM4	86 Stable	No
46	AERIS.pl5Bis.F11.86.25626056301008.EXA1	86 Exacerbation	Yes
47	AERIS.pl4.F4.86.25626075407002.POSM8	86 Stable	No
48	AERIS.pl6.A9.86.25626056361002.EXA3	86 Exacerbation	No
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AERIS.pl7.C2.86.25626056395007.EXA5	86	Exacerbation	No
AERIS.pl1.A7.86.25626078423009.POSM11	86	Stable	No
AERIS.pl6.C12.86.25626056381000.EXA4	86	Exacerbation	No
AERIS.pl5Bis.G11.92.25626056302005.EXA1	92	Exacerbation	Yes
AERIS.pl5.G5.93.25626160143006.POSM1	93	Stable	No
AERIS.pl2.D3.93.25626065728001.POSM2	93	Stable	No
AERIS.pl5Bis.H11.93.25626056303002.EXA1	93	Exacerbation	No
AERIS.pl2.C8.93.25626066228005.POSM3	93	Stable	Yes
AERIS.pl2.G11.93.25626067741008.POSM4	93	Stable	No
AERIS.pl3.B3.93.25626068744008.POSM5	93	Stable	No
AERIS.pl3.D8.93.25626069753009.POSM6	93	Stable	No
AERIS.pl3.F12.93.25626071550009.POSM7	93	Stable	No
AERIS.pl4.G4.93.25626075408009.POSM8	93	Stable	No
AERIS.pl4.H8.93.25626076420000.POSM9	93	Stable	No
AERIS.pl1.A3.93.25626077418006.POSM10	93	Stable	No
AERIS.pl1.B7.93.25626078424006.POSM11	93	Stable	No
AERIS.pl1.H10.93.25626079924000.POSM12	93	Stable	No
AERIS.pl5.A1.94.25626158644003.PREM0	94	Stable	No
AERIS.pl6.B9.94.25626056362009.EXA3	94	Exacerbation	No
AERIS.pl5Bis.A12.94.25626056304009.EXA1	94	Exacerbation	No
AERIS.pl2.E3.94.25626065729008.POSM2	94	Stable	No
AERIS.pl7.E3.94.25626056405003.EXA6	94	Exacerbation	No
AERIS.pl6.B5.94.25626056332002.EXA2	94	Exacerbation	No
AERIS.pl3.E8.94.25626069754006.POSM6	94	Stable	No
AERIS.pl6.D12.94.25626056382007.EXA4	94	Exacerbation	Yes
AERIS.pl1.C7.94.25626078425003.POSM11	94	Stable	Yes
AERIS.pl5.B1.95.25626158645000.PREM0	95	Stable	No
AERIS.pl5Bis.B12.95.25626056305006.EXA1	95	Exacerbation	No
AERIS.pl6.C5.95.25626056333009.EXA2	95	Exacerbation	Yes
AERIS.pl2.F3.95.25626065730004.POSM2	95	Stable	No
AERIS.pl2.D8.95.25626066229002.POSM3	95	Stable	No
AERIS.pl6.C9.95.25626056363006.EXA3	95	Exacerbation	No
AERIS.pl3.C3.95.25626068745005.POSM5	95	Stable	No
AERIS.pl3.G12.95.25626071551006.POSM7	95	Stable	No
AERIS.pl4.H4.95.25626075409006.POSM8	95	Stable	No
AERIS.pl1.D7.95.25626078426000.POSM11	95	Stable	No
AERIS.pl1.A11.95.25626079925007.POSM12	95	Stable	No
AERIS.pl5.H5.97.25626160147004.POSM1	97	Stable	No
AERIS.pl2.G3.97.25626065731001.POSM2	97	Stable	No
AERIS.pl2.E8.97.25626066230008.POSM3	97	Stable	No
AERIS.pl3.G8.97.25626069756000.POSM6	97	Stable	No
AERIS.pl5Bis.C12.97.25626056306003.EXA1	97	Exacerbation	No
AERIS.pl4.A9.97.25626076421007.POSM9	97	Stable	No
AERIS.pl5.C1.101.25626158651001.PREM0	101	Stable	No
AERIS.pl6.D5.101.25626056309004.EXA2	101	Exacerbation	No
AERIS.pl2.F8.101.25626066231005.POSM3	101	Stable	No
AERIS.pl3.F3.101.25626068747009.POSM5	101	Stable	No

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2	AERIS.pl3.H12.101.25626071552003.POSM7	101 Stable	No
3	AERIS.pl4.A5.101.25626075410002.POSM8	101 Stable	No
4	AERIS.pl6.D9.101.25626056334006.EXA3	101 Exacerbation	Yes
5	AERIS.pl4.B9.101.25626076422004.POSM9	101 Stable	No
6	AERIS.pl1.B3.101.25626077419003.POSM10	101 Stable	No
7	AERIS.pl1.E7.101.25626078427007.POSM11	101 Stable	No
8	AERIS.pl5.D1.102.25626158652008.PREM0	102 Stable	No
9	AERIS.pl5Bis.D12.102.25626056247009.EXA1	102 Exacerbation	No
10	AERIS.pl5.A6.102.25626160152008.POSM1	102 Stable	No
11	AERIS.pl2.H3.102.25626065732008.POSM2	102 Stable	No
12	AERIS.pl3.H8.102.25626069757007.POSM6	102 Stable	No
13	AERIS.pl4.A1.102.25626071553000.POSM7	102 Stable	No
14	AERIS.pl2.A4.103.25626065733005.POSM2	103 Stable	No
15	AERIS.pl5.E1.104.25626158654002.PREM0	104 Stable	No
16	AERIS.pl5Bis.E12.104.25626056248006.EXA1	104 Exacerbation	No
17	AERIS.pl6.E5.104.25626056310000.EXA2	104 Exacerbation	Yes
18	AERIS.pl2.B4.104.25626065734002.POSM2	104 Stable	No
19	AERIS.pl3.G3.104.25626068748006.POSM5	104 Stable	No
20	AERIS.pl3.A9.104.25626069758004.POSM6	104 Stable	No
21	AERIS.pl4.B1.104.25626071554007.POSM7	104 Stable	No
22	AERIS.pl4.B5.104.25626075411009.POSM8	104 Stable	No
23	AERIS.pl1.C3.104.25626077420009.POSM10	104 Stable	Yes
24	AERIS.pl1.F7.104.25626078428004.POSM11	104 Stable	Yes
25	AERIS.pl1.C11.104.25626079927001.POSM12	104 Stable	No
26	AERIS.pl5.F1.109.25626158659007.PREM0	109 Stable	No
27	AERIS.pl2.H11.111.25626067742005.POSM4	111 Stable	No
28	AERIS.pl3.B9.111.25626069759001.POSM6	111 Stable	No
29	AERIS.pl4.C1.111.25626071555004.POSM7	111 Stable	No
30	AERIS.pl6.F5.111.25626056311007.EXA2	111 Exacerbation	Yes
31	AERIS.pl5Bis.F12.111.25626056250009.EXA1	111 Exacerbation	No
32	AERIS.pl5.G1.112.25626158662007.PREM0	112 Stable	No
33	AERIS.pl5Bis.G12.112.25626056251006.EXA1	112 Exacerbation	Yes
34	AERIS.pl1.D3.112.25626077421006.POSM10	112 Stable	Yes
35	AERIS.pl5.H1.113.25626158663004.PREM0	113 Stable	No
36	AERIS.pl1.E3.113.25626077422003.POSM10	113 Stable	No
37	AERIS.pl3.H3.115.25626068749003.POSM5	115 Stable	No
38	AERIS.pl5Bis.H12.115.25626056252003.EXA1	115 Exacerbation	Yes
39	AERIS.pl5.B6.118.25626160168009.POSM1	118 Stable	No
40	AERIS.pl6.A1.118.25626056253000.EXA1	118 Exacerbation	Yes
41	AERIS.pl6.G5.118.25626056312004.EXA2	118 Exacerbation	Yes
42	AERIS.pl2.G8.118.25626066232002.POSM3	118 Stable	No
43	AERIS.pl3.A4.118.25626068750009.POSM5	118 Stable	No
44	AERIS.pl4.D1.118.25626071556001.POSM7	118 Stable	Yes
45	AERIS.pl6.F9.118.25626056335003.EXA3	118 Exacerbation	Yes
46	AERIS.pl1.G7.118.25626078429001.POSM11	118 Stable	Yes
47	AERIS.pl5.A2.120.25626158670002.PREM0	120 Stable	No
48	AERIS.pl2.A12.120.25626067743002.POSM4	120 Stable	No
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AERIS.pl3.B4.120.25626068751006.POSM5	120 Stable	No
AERIS.pl4.C5.120.25626075412006.POSM8	120 Stable	No
AERIS.pl6.B1.120.25626056254007.EXA1	120 Exacerbation	Yes
AERIS.pl4.C9.120.25626076423001.POSM9	120 Stable	No
AERIS.pl1.F3.120.25626077423000.POSM10	120 Stable	No
AERIS.pl7.F3.120.25626056397001.EXA6	120 Exacerbation	Yes
AERIS.pl5.B2.121.25626158671009.PREM0	121 Stable	No
AERIS.pl5.C6.121.25626160171009.POSM1	121 Stable	Yes
AERIS.pl2.H8.121.25626066233009.POSM3	121 Stable	No
AERIS.pl2.B12.121.25626067744009.POSM4	121 Stable	No
AERIS.pl3.C4.121.25626068752003.POSM5	121 Stable	No
AERIS.pl4.E1.121.25626071557008.POSM7	121 Stable	No
AERIS.pl4.D5.121.25626075413003.POSM8	121 Stable	No
AERIS.pl4.D9.121.25626076424008.POSM9	121 Stable	No
AERIS.pl1.H7.121.25626078430007.POSM11	121 Stable	Yes
AERIS.pl1.D11.121.25626079928008.POSM12	121 Stable	Yes
AERIS.pl6.C1.122.25626056255004.EXA1	122 Exacerbation	Yes
AERIS.pl5.D6.122.25626160172006.POSM1	122 Stable	Yes
AERIS.pl6.H5.122.25626056313001.EXA2	122 Exacerbation	Yes
AERIS.pl3.C9.122.25626069760007.POSM6	122 Stable	No
AERIS.pl4.E5.122.25626075414000.POSM8	122 Stable	No
AERIS.pl4.F9.122.25626076425005.POSM9	122 Stable	Yes
AERIS.pl6.G9.122.25626056336000.EXA3	122 Exacerbation	No
AERIS.pl1.G3.122.25626077424007.POSM10	122 Stable	No
AERIS.pl6.D1.124.25626056256001.EXA1	124 Exacerbation	No
AERIS.pl4.F5.124.25626075415007.POSM8	124 Stable	No
AERIS.pl4.G9.125.25626076426002.POSM9	125 Stable	No
AERIS.pl5.C2.126.25626158676004.PREM0	126 Stable	No
AERIS.pl5.F6.126.25626160176004.POSM1	126 Stable	Yes
AERIS.pl5.D2.127.25626158677001.PREM0	127 Stable	No
AERIS.pl5.G6.127.25626160177001.POSM1	127 Stable	No
AERIS.pl2.C4.127.25626065735009.POSM2	127 Stable	Yes
AERIS.pl6.E1.127.25626056257008.EXA1	127 Exacerbation	No
AERIS.pl1.E11.127.25626079929005.POSM12	127 Stable	No
AERIS.pl6.F1.128.25626056258005.EXA1	128 Exacerbation	No
AERIS.pl2.D4.131.25626065736006.POSM2	131 Stable	Yes
AERIS.pl6.H9.132.25626056337007.EXA3	132 Exacerbation	Yes
AERIS.pl4.F1.132.25626071558005.POSM7	132 Stable	Yes
AERIS.pl4.G5.132.25626075416004.POSM8	132 Stable	Yes
AERIS.pl6.A6.132.25626056314008.EXA2	132 Exacerbation	Yes
AERIS.pl1.A8.132.25626078431004.POSM11	132 Stable	Yes
AERIS.pl6.G1.135.25626056259002.EXA1	135 Exacerbation	No
AERIS.pl2.E4.135.25626065737003.POSM2	135 Stable	No
AERIS.pl4.G1.135.25626071559002.POSM7	135 Stable	No
AERIS.pl6.E12.135.25626056364003.EXA4	135 Exacerbation	No
AERIS.pl3.D4.136.25626068753000.POSM5	136 Stable	Yes
AERIS.pl4.H1.136.25626071560008.POSM7	136 Stable	No

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2	AERIS.pl1.H3.136.25626077425004.POSM10	136 Stable	No
3	AERIS.pl6.A10.136.25626056338004.EXA3	136 Exacerbation	No
4	AERIS.pl1.G11.136.25626079931008.POSM12	136 Stable	No
5	AERIS.pl6.H1.137.25626056260008.EXA1	137 Exacerbation	Yes
6	AERIS.pl5.E2.138.25626158688007.PREM0	138 Stable	No
7	AERIS.pl5.H6.138.25626160188007.POSM1	138 Stable	No
8	AERIS.pl2.C12.138.25626067745006.POSM4	138 Stable	No
9	AERIS.pl3.D9.138.25626069761004.POSM6	138 Stable	No
10	AERIS.pl4.H5.138.25626075417001.POSM8	138 Stable	No
11	AERIS.pl1.A4.138.25626077426001.POSM10	138 Stable	No
12	AERIS.pl6.A2.138.25626056261005.EXA1	138 Exacerbation	Yes
13	AERIS.pl1.B8.138.25626078432001.POSM11	138 Stable	Yes
14	AERIS.pl1.H11.138.25626079932005.POSM12	138 Stable	Yes
15	AERIS.pl5.F2.141.25626158691007.PREM0	141 Stable	No
16	AERIS.pl5.A7.141.25626160191007.POSM1	141 Stable	No
17	AERIS.pl2.F4.141.25626065738000.POSM2	141 Stable	No
18	AERIS.pl2.A9.141.25626066234006.POSM3	141 Stable	No
19	AERIS.pl2.D12.141.25626067746003.POSM4	141 Stable	No
20	AERIS.pl3.E4.141.25626068754007.POSM5	141 Stable	No
21	AERIS.pl6.B2.141.25626056262002.EXA1	141 Exacerbation	Yes
22	AERIS.pl4.A2.141.25626071561005.POSM7	141 Stable	No
23	AERIS.pl4.A6.141.25626075418008.POSM8	141 Stable	No
24	AERIS.pl1.B4.141.25626077427008.POSM10	141 Stable	No
25	AERIS.pl1.C8.141.25626078433008.POSM11	141 Stable	Yes
26	AERIS.pl1.A12.141.25626079933002.POSM12	141 Stable	No
27	AERIS.pl5.G2.142.25626158692004.PREM0	142 Stable	No
28	AERIS.pl5.B7.142.25626160192004.POSM1	142 Stable	No
29	AERIS.pl6.C2.142.25626056263009.EXA1	142 Exacerbation	Yes
30	AERIS.pl2.E12.142.25626067747000.POSM4	142 Stable	No
31	AERIS.pl3.F4.142.25626068755004.POSM5	142 Stable	Yes
32	AERIS.pl6.B6.142.25626056315005.EXA2	142 Exacerbation	Yes
33	AERIS.pl4.H9.142.25626076427009.POSM9	142 Stable	Yes
34	AERIS.pl6.B10.142.25626056339001.EXA3	142 Exacerbation	Yes
35	AERIS.pl6.F12.142.25626056365000.EXA4	142 Exacerbation	Yes
36	AERIS.pl1.B12.142.25626079934009.POSM12	142 Stable	Yes
37	AERIS.pl5.H2.144.25626158694008.PREM0	144 Stable	No
38	AERIS.pl2.B9.144.25626066235003.POSM3	144 Stable	No
39	AERIS.pl3.G4.144.25626068756001.POSM5	144 Stable	No
40	AERIS.pl6.D2.144.25626056264006.EXA1	144 Exacerbation	Yes
41	AERIS.pl6.E2.145.25626056265003.EXA1	145 Exacerbation	No
42	AERIS.pl6.C10.145.25626056340007.EXA3	145 Exacerbation	Yes
43	AERIS.pl1.C12.145.25626079935006.POSM12	145 Stable	Yes
44	AERIS.pl2.G4.146.25626065739007.POSM2	146 Stable	No
45	AERIS.pl2.F12.146.25626067748007.POSM4	146 Stable	No
46	AERIS.pl6.F2.146.25626056266000.EXA1	146 Exacerbation	No
47	AERIS.pl4.B2.146.25626071562002.POSM7	146 Stable	No
48	AERIS.pl6.D10.146.25626056341004.EXA3	146 Exacerbation	No
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AERIS.pl4.B6.146.25626075419005.POSM8	146 Stable	No
AERIS.pl6.C6.146.25626056316002.EXA2	146 Exacerbation	Yes
AERIS.pl1.C4.146.25626077428005.POSM10	146 Stable	No
AERIS.pl6.G12.146.25626056366007.EXA4	146 Exacerbation	Yes
AERIS.pl1.D8.146.25626078434005.POSM11	146 Stable	Yes
AERIS.pl2.G12.147.25626067749004.POSM4	147 Stable	No
AERIS.pl6.G2.147.25626056267007.EXA1	147 Exacerbation	No
AERIS.pl4.C6.147.25626075420001.POSM8	147 Stable	Yes
AERIS.pl4.A10.147.25626076428006.POSM9	147 Stable	No
AERIS.pl1.D12.147.25626079936003.POSM12	147 Stable	Yes
AERIS.pl4.B10.149.25626076429003.POSM9	149 Stable	No
AERIS.pl3.F9.150.25626069762001.POSM6	150 Stable	No
AERIS.pl5.A3.151.25626158701003.PREM0	151 Stable	No
AERIS.pl5.C7.151.25626160201003.POSM1	151 Stable	No
AERIS.pl2.H4.151.25626065740003.POSM2	151 Stable	No
AERIS.pl2.C9.151.25626066236000.POSM3	151 Stable	No
AERIS.pl2.H12.151.25626067750000.POSM4	151 Stable	No
AERIS.pl6.H2.151.25626056269001.EXA1	151 Exacerbation	Yes
AERIS.pl3.H4.151.25626068757008.POSM5	151 Stable	No
AERIS.pl4.C2.151.25626071563009.POSM7	151 Stable	No
AERIS.pl4.D6.151.25626075421008.POSM8	151 Stable	Yes
AERIS.pl6.D6.151.25626056317009.EXA2	151 Exacerbation	Yes
AERIS.pl1.E12.151.25626079937000.POSM12	151 Stable	Yes

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DateCollected	k__Archae:	k__Archae:	k__Archae:	k__Archae:	k__Archae:	k__Archae:	k__Bacteri:	k__Bacteri:
8/22/2011	0	0	0	0	0	0	0	0
8/24/2011	0	0	0	0	0	0	0	0
10/28/2011	0	0	0	0	0	0	0	0
11/28/2011	0	0	0	0	0	0	0	0
12/29/2011	0	0	0	0	0	0	0	0
1/3/2012	0	0	0	0	0	0	0	0
2/28/2012	0	0	0	0	0	0	0	0
3/29/2012	0	0	0	0	0	0	0	0
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5/31/2012	0	0	0	0	0	0	0	0
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7/9/2012	0	0	0	0	0	0	0	0
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1/13/2012	0	0	0	0	0	0	0	0
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4/27/2012	0	0	0	0	0	0	0	0
6/29/2012	0	0	0	0	0	0	0	0
10/26/2011	0	0	0	0	0	0	0	0

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2	7/27/2011	0	0	0	0	0	0	0	0
3	8/3/2011	0	0	0	0	0	0	0	0
4	11/24/2011	0	0	0	0	0	0	0	0
5	1/16/2012	0	0	0	0	0	0	0	3.29E-05
6	1/30/2012	0	0	0	0	0	0	0	0
7	2/24/2012	0	0	0	0	0	0	0	0
8	3/26/2012	0	0	0	0	0	0	0	0
9	5/25/2012	0	0	0	0	0	0	0	0
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13	2/9/2012	0	0	0	0	0	0	0	0
14	5/10/2012	0	0	0	0	0	0	0	0
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24	2/21/2012	0	0	3.29E-05	0	0	0	0	0
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28	1/24/2012	0	0	0	0	0	0	0	0
29	1/30/2012	0	0	0	0	0	0	0	0
30	3/5/2012	0	0	0	0	0	0	0	0
31	3/27/2012	0	0	0	0	0	0	0	0
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33	12/8/2011	0	0	0	0	0	0	0	0
34	2/14/2012	0	0	0	0	0	0	0	0
35	3/2/2012	0	0	0	0	0	0	0	0
36	5/3/2012	0	0	0	0	0	0	0	0
37	7/26/2012	0	0	0	0	0	0	0	0
38	9/2/2011	0	0	0	0	0	0	0	0
39	11/18/2011	0	0	0	0	0	0	0	0
40	11/30/2011	0	0	0	0	0	0	0	0
41	12/30/2011	0	0	0	0	0	0	0	0
42	11/28/2011	0	0	0	0	0	0	0	0
43	1/23/2012	0	0	0	0	0	0	0	0
44	6/29/2012	0	0	0	0	0	0	0	0
45	12/8/2011	0	0	0	0	0	0	0	0
46	2/7/2012	0	0	0	0	0	0	0	0
47	6/18/2012	0	0	0	0	0	0	0	0
48	11/7/2011	0	0	0	0	0	0	0	0
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2	12/7/2011	0	0	0	0	0	0	0	0
3	2/7/2012	0	0	0	0	0	0	0	0
4	3/8/2012	0	0	0	0	0	0	0	0
5	5/4/2012	0	0	0	0	0	0	0	0
6	8/7/2012	0	0	0	0	0	0	0	0
7									
8	12/5/2011	0	0	0	0	0	0	0	0
9	1/12/2012	0	0	0	0	0	0	0	0
10	2/7/2012	0	0	0	0	0	0	0	0
11	3/8/2012	0	0	0	0	0	0	0	0
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13	6/18/2012	0	0	0	0	0	0	0	0
14	8/16/2012	0	0	0	0	0	0	0	0
15	9/18/2012	0	0	0	0	0	0	0	0
16	11/4/2011	0	0	0	0	0	0	0	0
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19	3/2/2012	0	0	0	0	0	0	0	0
20	4/4/2012	0	0	0	0	0	0	0	0
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22	6/12/2012	0	0	0	0	0	0	0	0
23	7/11/2012	0	0	0	0	0	0	0	0
24	8/13/2012	0	0	0	0	0	0	0	0
25	9/13/2012	0	0	0	0	0	0	0	0
26	9/21/2011	0	0	0	0	0	0	0	0
27	11/21/2011	0	0	0	0	0	0	0	0
28	12/19/2011	0	0	0	0	0	0	0	0
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30	1/18/2012	0	0	0	0	0	0	0	0
31	2/21/2012	0	0	0	0	0	0	0	0
32	3/28/2012	0	0	0	0	0	0	0	0
33	5/1/2012	0	0	0	0	0	0	0	0
34	5/24/2012	0	0	0	0	0	0	0	0
35	7/24/2012	0	0	0	0	0	0	0	0
36	8/23/2012	0	0	0	0	0	0	0	0
37	9/25/2012	0	0	0	0	0	0	0	0
38									
39	10/20/2011	0	0	0	0	0	3.29E-05	0	0
40	11/7/2011	0	0	0	0	0	0	0	0
41	11/21/2011	0	0	0	0	0	0	0	0
42	12/21/2011	0	0	0	0	0	0	0	0
43									
44	1/4/2012	0	0	0	0	0	0.000131	0	0
45	5/21/2012	0	0	0	0	0	0	3.29E-05	3.29E-05
46	8/23/2012	0	0	0	0	0	0	0	0
47	9/21/2012	0	0	0	0	0	0	0	0
48	11/25/2011	0	0	0	0	0	0	0	0
49	2/15/2012	0	0	0	0	0	0	0	0
50	3/29/2012	0	0	0	0	0	0	0	0
51	11/21/2011	0	0	0	0	0	0	0	0
52	12/20/2011	0	0	0	0	0	0	0	0
53	1/27/2012	0	0	0	0	0	0	0	0
54	3/30/2012	0	0	0	0	0	0	0	0
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2	5/4/2012	0	0	0	0	0	0	0	0
3	1/4/2012	0	0	0	0	0	0	0	0
4	2/8/2012	0	0	0	0	0	0	0	0
5	3/8/2012	0	0	0	0	0	0	0	0
6	10/2/2012	0	0	0	0	0	0	0	0
7	11/3/2011	0	0	0	0	0	0	0	0
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9	12/19/2011	0	0	0	0	0	0	0	0
10	1/4/2012	0	0	0	0	0	0	0	0
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12	5/4/2012	0	0	0	0	0	0	0	0
13	12/28/2011	0	0	0	0	0	0	0	0
14	1/16/2012	0	0	0	0	0	6.57E-05	0	0
15	2/1/2012	0	0	0	0	0	0	0	0
16	2/22/2012	0	0	0	0	0	0	0	0
17	3/13/2012	0	0	0	0	0	0	0	0
18	4/11/2012	0	0	0	0	0	0	0	0
19	5/9/2012	0	0	0	0	0	0	0	0
20	6/12/2012	0	0	0	0	0	0	0	0
21	7/12/2012	0	0	0	0	0	0	0	0
22	8/14/2012	0	0	9.86E-05	0	0	0	0	0
23	10/10/2012	0	0	0	0	0	0	0	0
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25	1/13/2012	0	0	0	0	0	0	0	0
26	1/27/2012	0	0	0	0	0	3.29E-05	0	0
27	11/10/2011	0	0	0.000329	0	0	0	0	0
28	11/23/2011	0	0	0	0	0	0	6.57E-05	0
29	12/9/2011	0	0	0	0	0	0	0	0
30	1/12/2012	0	0	0	0	0	0	0	0
31	2/14/2012	0	0	0	0	0	0	0	0
32	3/15/2012	0	0	0	0	0	0	0	0
33	4/16/2012	0	0	0	0	0	0	0	0
34	4/23/2012	0	0	0	0	0	0	0	0
35	5/14/2012	0	0	0	0	0	0	0	0
36	6/15/2012	0	0	0	0	0	0	0	0
37	7/10/2012	0	0	0	0	0	0	0	0
38	10/10/2012	0	0	0	0	0	0	0	0
39	11/9/2012	0	0	0	0	0	0	0	0
40	12/8/2011	0	0	0	0	0	0	3.29E-05	0
41	1/9/2012	0	0	0	0	0	0	0	0
42	1/30/2012	0	0	0	0	0	0	0	0
43	3/2/2012	0	0	0	0	0	0	0	0
44	3/16/2012	0	0	0	0	0	0	0	0
45	4/13/2012	0	0	0	0	0	0	0	0
46	6/14/2012	0	0	0	0	0	0	0	0
47	2/14/2012	0	0	0	0	0	0	0	0
48	3/23/2012	0	0	0	0	0	0	0	0
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2	4/18/2012	0	0	0	0	0	0	0	0
3	6/20/2012	0	0	0	0	0	0	0	0
4	7/30/2012	0	0	0	0	0	0	0	0
5	8/15/2012	0	0	0	0	0	0	0	0
6									
7	11/19/2012	0	0	0	0	0	0	0	0
8	12/16/2011	0	0	0	0	0	0	0	0
9	1/2/2012	0	0	0	0	0	0	0	0
10	1/13/2012	0	0	0	0	0	0	0	0
11	2/17/2012	0	0	0	0	0	0	0	0
12									
13	6/15/2012	0	0	0	0	0	0	0	0.000296
14	8/17/2012	0	0	0	0	0	0	0	0
15	3/8/2012	0	0	0	0	0	0	0	0
16	8/20/2012	0	0	0	0	0	0	0	0
17									
18	12/23/2011	0	0	0	0	0	0	0	0
19	1/2/2012	0	0	0	0	0	0	0	0
20	12/2/2011	0	0	0	0	0	0	0	0
21	2/6/2012	0	0	0	0	0	0	0	0
22	3/16/2012	0	0	0	0	0	0	0	0
23	8/24/2012	0	0	0	0	0	0	0	0
24									
25	9/24/2012	0	0	0	0	0	0	0	0
26	10/23/2012	0	0	0	0	0	0	0	0
27	11/26/2012	0	0	0	0	0	0	0	0
28	11/29/2011	0	0	0	0	0	0	0	0
29									
30	12/6/2011	0	0	0	0	0	0	0	0
31	12/28/2011	0	0	0	0	0	0	0	0
32	1/3/2012	0	0	0	0	0	0	0	0
33	2/29/2012	0	0	0	0	0	0	0	0
34	3/29/2012	0	0	0	0	0	0	0	0
35									
36	6/27/2012	0	0	0	0	0	0	0	0
37	7/13/2012	0	0	0	0	0	0	0	0
38	7/27/2012	0	0	0	0	0	0	0	0
39	8/22/2012	0	0	0	0	0	0	0	0
40	9/24/2012	0	0	0	0	0	0	0	0
41									
42	10/22/2012	0	0	0	0	0	0	0	0
43	1/3/2012	0	0	0	0	0	0	0	0
44	1/9/2012	0	0	0	0	0	0	0	0
45	9/28/2012	0	0	0	0	0	0	0	0
46	11/27/2012	0	0	0	0	0	0	0	0
47									
48	12/19/2011	0	0	0	0	0	0	0	0
49	3/5/2012	0	0	0	0	0	0	0	0
50	7/25/2012	0	0	0	0	0	0	6.57E-05	0
51	3/7/2012	0	0	0	0	0	0	0	3.29E-05
52									
53	4/11/2012	0	0	0	0	0	0	0	0
54	6/11/2012	0	0	0	0	0	0	0	0
55	7/10/2012	0	0	0	0	0	0	0	0
56	10/8/2012	0	0	0	0	0	0	0	0
57	1/10/2012	0	0	0	0	0	0	0	0
58									
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2	1/31/2012	0	0	0	0	0	0	0	0
3	3/12/2012	0	0	0	0	0	0	0	0
4	5/8/2012	0	0	0	0	0	0	0	0
5	12/7/2012	0	0	0	0	0	0	0	0
6	12/13/2011	0	0	0	0	0	0	0	0
7	12/19/2011	0	0	0	0	0	0	0	0
8	2/10/2012	0	0	0	0	0	0	0	0
9	3/13/2012	0	0	0	0	0	0	0	0
10	6/19/2012	0	0	0	0	0	0	0	0
11	7/11/2012	0	0	0	0	0	0	0	0
12	9/13/2012	0	0	0	0	0	0	0	6.57E-05
13	10/12/2012	0	0	0	0	3.29E-05	0	0	0
14	11/12/2012	0	0	0	0	0	0	0	3.29E-05
15	12/14/2012	0	0	0	0	0	0	0	0
16	12/13/2011	0	0	0	0	0	0	0	6.57E-05
17	1/11/2012	0	0	0	0	0	0	0	0
18	2/10/2012	0	0	0	0	0	0	0	0
19	3/14/2012	0	0	0	0	0	0	0	0
20	4/17/2012	0	0	0	0	0	0	0	0
21	5/17/2012	0	0	0	0	0	0	0	0
22	6/19/2012	0	0	0	0	0	0	0	0
23	7/19/2012	0	0	0	0	0	0	0	0
24	9/13/2012	0	0	0	0	0	0	0	0
25	11/8/2012	0	0	0	0	0	0	0	0
26	12/13/2011	0	0	0	0	0	0	0	0
27	1/16/2012	0	0	0	0	0	0	0	0
28	4/10/2012	0	0	0	0	0	0	0	0
29	6/13/2012	0	0	0	0	0	0	0	0
30	8/15/2012	0	0	0	0	0	0	0	0
31	9/14/2012	0	0	0	0	0	0	0	0
32	10/12/2012	0	0	0	0	0	0	0	0
33	12/18/2012	0	0	0	0	0	0	0	0
34	1/9/2012	0	0	0	0	0	0	0	0
35	2/9/2012	0	0	0	0	0	0	0	0
36	1/10/2012	0	0	0	0	0	0	0	0
37	1/27/2012	0	0	0	0	0	0	0	0
38	2/16/2012	0	0	0	0	0	0	0	0
39	2/17/2012	0	0	0	0	0	0	0	3.29E-05
40	4/4/2012	0	0	0	0	0	0	0	0
41	6/13/2012	0	0	0	0	0	0	0	0
42	7/12/2012	0	0	0	0	0	0	0	0
43	9/10/2012	0	0	0	0	0	0	0	3.29E-05
44	12/10/2012	0	0	0	0	0	0	0	0
45	1/11/2012	0	0	0	0	0	0	0	0
46	2/9/2012	0	0	0	0	0	3.29E-05	0	0
47	3/13/2012	0	0	0	0	0	0	0	0
48	5/16/2012	0	0	0	0	0	0	0	0
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2	8/9/2012	0	0	0	0	0	0	0	0
3	9/12/2012	0	0	0	0	0	0	0	0
4	11/27/2012	0	0	0	0	0	0	0	0
5	12/5/2012	0	0	0	0	0	0	0	0
6	5/22/2012	0	0	0	0	0	0	0	0
7	10/12/2012	0	0	0	0	0	0	0	0
8	1/25/2012	0	6.57E-05	0	0	0	0.000329	0	0
9	2/17/2012	0	0	0	0	0	6.57E-05	0	0
10	2/27/2012	0	0	0	0	0	9.86E-05	0	0
11	3/28/2012	0	0	0	0	0	0	0	0
12	4/27/2012	0	0	0	0	0	0	0	0
13	5/22/2012	0	0	0	0	0	0.000329	0	0
14	11/27/2012	0	0	0	0	0	3.29E-05	0	0
15	1/25/2013	0	0	0	0	0	0	0	0
16	1/27/2012	0	0	0	0	0	0	0	0
17	2/29/2012	0	0	0	0	0	0	0	0
18	3/15/2012	0	0	0	0	0	0	0	0
19	3/28/2012	0	0	0	0	0	0	0	0
20	4/30/2012	0	0	0	0	0	0	0	0
21	8/30/2012	0	0	0	0	0	0	0	0
22	10/1/2012	0	0	0	0	0	0	0	0
23	10/31/2012	0	0	0	0	0	0	0	0
24	11/20/2012	0	0	0	0	0	0	0	0
25	12/20/2012	0	0	0	0	0	0	0	0
26	2/10/2012	0	0	0	0	0	0	0	0
27	4/13/2012	0	0	0	0	0	0	0	0
28	5/14/2012	0	0	0	0	0	0	0	0
29	6/11/2012	0	0	0	0	0	0	0	0
30	2/17/2012	0	0	0	0	0	0	0	0
31	3/16/2012	0	0	0	0	0	0	0	0
32	4/16/2012	0	0	0	0	0	0	0	0
33	9/17/2012	0	0	0	0	0	0	0	0
34	10/17/2012	0	0	0	0	0	0	0	0
35	12/17/2012	0	0	0	0	0	0	0	0
36	1/21/2013	0	0	0	0	0	0	0	0
37	2/18/2013	0	0	0	0	0	0	0	0
38	3/26/2012	0	0	0	0	0	0	0	0
39	5/21/2012	0	0	0	0	0	0	0	0
40	6/20/2012	0	0	0	0	0	0	0	0
41	7/12/2012	0	0	0	0	0	0	0	0
42	9/25/2012	0	0	0	0	0	0	0	0
43	11/9/2012	0	0	0	0	0	0	0	0
44	12/21/2012	0	0	0	0	0	0	0	0
45	2/18/2013	0	0	0	0	0	0	0	0
46	2/21/2012	0	0	0	0	0	0	0	0
47	2/22/2013	0	0	0	0	0	0	0	0
48	10/23/2012	0	0	0	0	0	0	0	0
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2	1/23/2013	0	0	0	0	0	0	0	0
3	2/21/2013	0	0	0	0	0	0	0	0
4	2/4/2013	0	0	0	0	0	0	0	0
5	2/28/2012	0	0	0	0	0	0	0	0
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7	4/16/2012	0	0	0	0	0	0	0	0
8	7/25/2012	0	0	0	0	0	0	0	0
9	8/29/2012	0	0	0	0	0	0	0	0
10	10/3/2012	0	0	0	0	0	0	0	0
11	10/29/2012	0	0	0	0	0	0	0	0
12	11/28/2012	0	0	0	0	0	0	0	0
13	12/27/2012	0	0	0	0	0	0	0	0
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16	1/29/2013	0	0	0	0	0	0	0	0
17	9/27/2012	0	0	0	0	0	0	0	0
18	5/1/2012	0	0	0	0	0	0	0	0
19	8/31/2012	0	0	0	0	0	0	0	0
20	1/3/2013	0	0	0	0	0	0	0	0
21	2/22/2013	0	0	0	0	0	0	0	0
22	3/23/2012	0	0	0	0	0	0	0	0
23	4/30/2012	0	0	0	0	0	0	0	0
24	5/30/2012	0	0	0	0	0	0	0	0
25	7/31/2012	0	0	0	0	0	0	0	0
26	9/4/2012	0	0	0	0	0	0	0	0
27	9/26/2012	0	0	0	0	0	0	0	0
28	12/7/2012	0	0	0	0	0	0	0	0
29	4/10/2012	0	0	0	0	0	0	0	0
30	6/14/2012	0	0	0	0	0	0	0	0
31	10/5/2012	0	0	0	0	0	0	0	0
32	12/13/2012	0	0	0	0	0	0	0	0
33	3/13/2012	0	0	0	0	0	0	0	0
34	4/13/2012	0	0	0	0	0	0	0	0
35	8/13/2012	0	0	0	0	0	0	0	0
36	9/17/2012	0	0	0	0	0	0	0	0
37	11/15/2012	0	0	0	0	0	0	0	0
38	12/10/2012	0	0	0	0	0	0	0	0
39	1/17/2013	0	0	0	0	0	0	0	0
40	2/18/2013	0	0	0	0	0	0	0	0
41	3/14/2012	0	0	0	0	0	0	0	0
42	4/11/2012	0	0	0	0	0	0	0	0
43	5/11/2012	0	0	0	0	0	0	0	0
44	6/18/2012	0	0	0	0	0	0	0	0
45	7/17/2012	0	0	0	0	0	0	0	0
46	10/17/2012	0	0	0	0	0	0	0	0
47	11/15/2012	0	0	0	0	0	0	0	9.86E-05
48	12/18/2012	0	0	0	0	0	0	0	0.000263
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2	1/17/2013	3.29E-05	0	0	0	0	0	0	6.57E-05
3	2/8/2013	0	0	0	0	0	0	0	0
4	3/14/2013	0	0	0	0	0	0	0	0
5	3/14/2013	0	0	0	0	0	0	0	0
6	4/24/2012	0	0	0	0	0	0	0	0
7	5/24/2012	0	0	0	0	0	0	0	0
8	6/8/2012	0	0	0	0	0	0	0	0
9	7/3/2012	0	0	0	0	0	0	0	0
10	8/7/2012	0	0	0	0	0	0	0	0
11	9/3/2012	0	0	0	0	0	0	0	0
12	10/2/2012	0	0	0	0	0	0	0	0
13	10/30/2012	0	0	0	0	0	0	0	0
14	11/29/2012	0	0	0	0	0	0	0	0
15	1/3/2013	0	0	0	0	0	0	0	0
16	1/29/2013	0	0	0	0	0	0	0	0
17	2/28/2013	0	0	0	0	0	0	0	0
18	4/2/2013	0	0	0	0	0	0	0	0
19	3/30/2012	0	0	0	0	0	0	0	0
20	4/5/2012	0	0	0	0	0	0	0	0
21	5/23/2012	0	0	0	0	0	0	0	0
22	6/1/2012	0	0	0	0	0	0	0	0
23	7/17/2012	0	0	0	0	0	0	0	0
24	9/10/2012	0	0	0	0	0	0	0	0
25	9/27/2012	0	0	0	0	0	0	0	0
26	1/9/2013	0	0	0	0	0	0	0	0
27	3/11/2013	0	0	0	0	0	0	0	0
28	4/2/2012	0	0	0	0	0	0	0	0
29	5/4/2012	0	0	0	0	0	0	0	0
30	5/18/2012	0	0	0	0	0	0	0	0
31	6/7/2012	0	0	0	0	0	0	0	0
32	6/28/2012	0	0	0	0	0	0	0	0
33	8/6/2012	0	0	0	0	0	0	0	0
34	8/28/2012	0	0	0	0	0	0	0	0
35	10/29/2012	0	0	0	0	0	0	0	0
36	11/30/2012	0	0	0	0	0	0	0	0
37	3/1/2013	0	0	0	0	0	0	0	0
38	3/26/2013	0	0	0	0	0	0	0	0
39	5/10/2012	0	0	0	0	0	0	0	0
40	6/13/2012	0	0	0	0	0	0	0	0
41	7/9/2012	0	0	0	0	0	0	0	0
42	10/15/2012	0	0	0	0	0	0	0	0
43	12/12/2012	0	0	0	0	0	0	0	0
44	1/9/2013	0	0	0	0	0	0	0	0
45	4/19/2012	0	0	0	0	0	0	0	0
46	5/18/2012	0	0	0	0	0	0	0	0
47	7/19/2012	0	0	0	0	0	0	0	0
48	9/21/2012	0	0	0	0	0	0	0	0
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2	11/21/2012	0	0	0	0	0	0	0	0
3	12/20/2012	0	0	0	0	0	0	0	0
4	12/27/2012	0	0	0	0	0	0	0	0
5	1/24/2013	0	0	0	0	0	0	0	0
6	2/20/2013	0	0	0	0	0	0	0	0
7	3/19/2013	0	0	0	0	0	0	0	0
8	4/20/2012	0	0	0	0	0	0	0	0
9	4/26/2012	0	0	0	0	0	0	0	0
10	5/25/2012	0	0	0	0	0	0	0	0
11	6/25/2012	0	0	0	0	0	0	0	0
12	10/31/2012	0	0	0	0	0	0	0	0
13	11/26/2012	0	0	0	0	0	0	0	0
14	6/18/2012	0	0	0	0	0	0	0	0
15	4/24/2012	0	0	0	0	0	0	0	0
16	5/2/2012	0	0	0	0	0	0	0	0
17	6/13/2012	0	0	0	0	0	0	0	0
18	6/25/2012	0	0	0	0	0	0	0	0
19	9/20/2012	0	0	0	0	0	0	0	0
20	10/22/2012	0	0	0	0	0	0	0	0
21	11/19/2012	0	0	0	0	0	0	0	0
22	12/17/2012	0	0	0	0	0	0	0	3.29E-05
23	2/20/2013	0	0	0	0	0	0	0	0
24	3/18/2013	0	0	0	0	0	0	0	0
25	4/23/2013	0	0	0	0	0	0	0	0
26	5/1/2012	0	0	0	0	0	0	0	6.57E-05
27	9/3/2012	0	0	0	0	0	0	0	3.29E-05
28	11/1/2012	0	0	0	0	0	0	0	0
29	12/5/2012	0	0	0	0	0	0	0	0
30	12/27/2012	0	0	0	0	0	0	0	0
31	1/30/2013	0	0	0	0	0	0	0	6.57E-05
32	5/2/2012	0	0	0	0	0	0	0	0
33	2/18/2013	0	0	0	0	0	0	0	0
34	3/1/2013	0	0	0	0	0	0	0	0
35	5/2/2012	0	0	0	0	0	0	0	0
36	3/6/2013	0	0	0	0	0	0	0	0
37	10/4/2012	0	0	0	0	0	0	0	0
38	5/1/2013	0	0	0	0	0	0	0	0
39	6/12/2012	0	0	0	0	0	0	0	0
40	7/17/2012	0	0	0	0	0	0	0	0
41	8/3/2012	0	0	0	0	0	0	0	0
42	8/14/2012	0	0	0	0	0	0	0	0
43	10/9/2012	0	0	0	0	0	0	0	0
44	12/11/2012	0	0	0	0	0	0	0	0
45	1/8/2013	0	0	0	0	0	0	0	0
46	4/9/2013	0	0	0	0	0	0	0	0
47	5/15/2012	0	0	0	0	0	0	0	0
48	9/7/2012	0	0	0	0	0	0	0	0
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2	10/15/2012	0	0	0	0	0	0	0	0
3	1/14/2013	0	0	0	0	0	0	0	0
4	2/12/2013	0	0	0	0	0	0	0	0
5	2/20/2013	0	0	0	0	0	0	0	0
6	3/21/2013	0	0	0	0	0	0	0	0
7	4/15/2013	0	0	0	0	0	0	0	0
8	5/15/2012	0	0	0	0	0	0	0	0
9	6/18/2012	0	0	0	0	0	0	0	0
10	8/17/2012	0	0	0	0	0	0	0	0
11	9/17/2012	0	0	0	0	0	0	0	0
12	10/17/2012	0	0	0	0	0	0	0	0
13	12/14/2012	0	0	0	0	0	0	0	0
14	1/14/2013	0	0	0	0	0	0	9.86E-05	0
15	2/14/2013	0	0	0	0	0	0	0	0
16	3/14/2013	0	0	0	0	0	0	0	0
17	5/16/2013	0	0	0	0	0	0	0	0
18	5/24/2012	0	0	0	0	0	0	0	0
19	6/12/2012	0	0	0	0	0	0	0	0
20	8/31/2012	0	0	0	0	0	0	3.29E-05	0
21	11/20/2012	0	0	0	0	0	0	0	0
22	1/15/2013	0	0	0	0	0	0	0	0
23	2/12/2013	0	0	0	0	0	0	0	0
24	3/1/2013	0	0	0	0	0	0	0	0
25	3/12/2013	0	0	0	0	0	0	0	0
26	12/17/2012	0	0	0	0	0	0	0	0
27	1/23/2013	0	0	0	0	0	0	0	0
28	2/22/2013	0	0	0	0	0	0	0	0
29	5/24/2012	0	0	0	0	3.29E-05	0	6.57E-05	0
30	6/28/2012	0	0	0	0	0	0	0	0
31	5/24/2012	0	0	0	0	0	0	0	0
32	6/22/2012	0	0	0	0	0	0	0	0
33	7/23/2012	0	0	0	0	0	0	0	0
34	1/2/2013	0	0	0	0	0	0	0	0
35	5/23/2013	0	0	0	0	0	0	0	0
36	11/23/2012	0	0	0	0	0	0	0	0
37	7/30/2012	0	0	0	0	0	0	0	0
38	10/9/2012	0	0	0	0	0	0	0	0
39	1/2/2013	0	0	0	0	0	0	0	0
40	1/31/2013	0	0	0	0	0	0	0	0
41	2/6/2013	0	0	0	0	0	0	0	0
42	4/30/2013	0	0	0	0	0	0	0	0
43	7/4/2012	0	0	0	0	0	6.57E-05	0	0
44	8/2/2012	0	0	0	0	0	0	0	0
45	1/8/2013	0	0	0	0	0	9.86E-05	0	0
46	1/23/2013	0	0	0	0	0	0.000131	0	0
47	11/2/2012	0	0	0	0	0	0	0	0
48	1/4/2013	0	0	0	0	0	0	0	0

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2	4/5/2013	0	0	0	0	0	0	0	3.29E-05
3	5/3/2013	0	0	0	0	0	0	0	0
4	6/7/2013	0	0	0	0	0	0	0	0
5	6/14/2013	0	0	0	0	0	0	0	0
6	6/12/2012	0	0	0	0	0	0	0	0
7	7/11/2012	0	0	0	0	0	0	0	0
8	10/16/2012	0	0	0	0	0	0	0	0
9	12/14/2012	0	0	0	0	0	0	0	0
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17	8/16/2012	0	0	0	0	0	0	0	0
18	9/13/2012	0	0	0	0	0	0	0	0
19	10/16/2012	0	0	0	0	0	0	0	0
20	11/12/2012	0	0	0	0	0	0	0	0
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24	4/11/2013	0	0	0	0	0	0	0	0
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27	6/13/2012	0	0	0	0	0	0	0	0
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29	8/3/2012	0	0	0	0	0	0	0	0
30	10/10/2012	0	0	0	0	0	0	0	0
31	11/21/2012	0	0	0	0	0	0	0	0
32	1/2/2013	0	0	0	0	0	0	0	0
33	3/13/2013	0	0	0	0	0	0	0	0
34	4/15/2013	0	0	0	0	0	0	0	0
35	6/5/2013	0	0	0	0	0	0	0	0
36	6/13/2013	0	0	0	0	0	0	0	0
37	6/18/2012	0	0	0	0	0	3.29E-05	0	0
38	9/18/2012	0	0	0	0	0	0	0	0
39	11/20/2012	0	0	0	0	0	0	0	0
40	1/23/2013	0	0	0	0	0	0	0	3.29E-05
41	8/27/2012	0	0	0	9.86E-05	0	0	0	0
42	6/5/2013	0	0	0	0	0	0	0	0
43	6/19/2013	0	0	0	0	0	0	0	0
44	8/21/2012	0	0	0	0	0	0	0	0
45	10/19/2012	0	0	0	0	0	0	0	0
46	12/18/2012	0	0	0	0	0	0	0	0
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48	1/31/2013	0	0	0	0	0	0	0	0
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56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	3.29E-05
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	3.29E-05
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
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9	0	3.29E-05	0	0	0	0	0	0	3.29E-05
10	0	0	0	0	0	0	0	0	0
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23	0	0	0	0	0	0	0	0	0
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34	0	0	0	0	0	0	0	0	3.29E-05
35	0	0	0	0	0	0	0	0	6.57E-05
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	6.57E-05
38	0	0	0	0	0	0	0	0	0.000427
39	0	0	0	0	0	0	0	0	0.000394
40	0	0	0	0	0	0	0	0	0.000164
41	0	0	0	0	0	0	0	0	0.001972
42	0	0	0	0	0	0	0	0	0.014925
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47	0	0	0	0	0	0	0	0	0
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51	0	0	0	0	0	0	0	0	0
52	0	0	0	9.86E-05	0	3.29E-05	0	0	0.000131
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	3.29E-05	0	0	0	0	0	0	0	3.29E-05
57	0	0	0	0	0	0	0	0	0
58									
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19	0	0	0	0	0	0	0	3.29E-05	
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23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0.000131	
25	0	0	0	0.000131	0	0	0	3.29E-05	
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27	0	0	0	0	0	0	0	0	0
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44	0	0	0	3.29E-05	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
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47	0	0	0	0	0	0	0	3.29E-05	
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0.000493	
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51	0	0	0	0	3.29E-05	0	0	0	0
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56	0	0	0	0	0	0	0	0	0
57	0	0.00023	0	0.000329	0	0	0	0	0
58									
59									
60									

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3	0	0	0	0	0	0	0	0	3.29E-05
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5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	3.29E-05
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19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	6.57E-05
22	0	0	0	0	0	0	0	0	0
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26	0	0	0	0	0	0	0	0	3.29E-05
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31	0	0	0	6.57E-05	0	0	0	0	0
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33	0	3.29E-05	0	0	0	0	0	0	0.027713
34	0	0	0	0	0	0	0	0	0
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37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	3.29E-05
39	0	0	0	0	0	0	0	0	0
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48	0	0	0	0	0	0	0	0	3.29E-05
49	0	0	3.29E-05	0	0	0	0	0	0
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51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	3.29E-05
53	0	0	0	0	0	0	0	0	0
54	0.000296	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0.000855
57	0	0	0	0	0	0	0	0	0
58									
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5	0	3.29E-05	0	0	0	0	0	0	3.29E-05
6	0	0	0	0	0	0	0	0	3.29E-05
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21	0	0	0	0	0	0	0	0	0.00023
22	0	0	0	0	0	0	0	0	3.29E-05
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46	0	0	0	0	0	0	0	0	0
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56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	6.57E-05
58									
59									
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7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	3.29E-05
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	3.29E-05
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14	0	0	0	0	0	0	0	0	0.001151
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16	0	0	0	0	0	0	0	0	0.000164
17	0	0	0	0	0	0	0	0	9.86E-05
18	0	0	0	0	0	0	0	0	0.000131
19	0	0	0	0	0	0	0	0	3.29E-05
20	0	0	0	0	0	0	0	0	0
21	0	0	0	9.86E-05	0	0	0	0	0
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23	0	0	0	0	0	0	0	0	0.000296
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46	0	0	0	0	0	0	0	0	0.001381
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51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0.00023
53	0	0	0	0	0	0	0	0	6.57E-05
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0.001808
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58									
59									
60									

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40	0	0	0	0	0	0	0	0	3.29E-05
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47	0	0	0	0	0	0	0	0	0
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49	0	0	0	0	0	0	0	0.00194	
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58									
59									
60									

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0		0		0		0		0		0.002071
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0	0	0		0	3.29E-05			0		0
0	0	0		0	0	3.29E-05		0		0.000164
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0	0	0		0	0	0		0		0.000559
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0	0	0		0	0	0		0		0
0	0	0		0	0	0		0		0
0	9.86E-05	0		0	0	0		0		0
0	0	0		0	0	0		0	3.29E-05	
0	0	0		0	0	0		0		0
0	0	0		0	0	0		0		0

1									
2									
3									
4	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri
5	0	0	0.003912	0	0	0	0	0	0
6	0	0	0.004175	0	0	0	0	0	0
7	0	0	0.01075	0	0	0	0	0	0
8	0	0	0.005753	0	0	0	0	0	0
9	0	0	0.025872	0	0	0.000263	0	0	0
10	0	0	0.000756	0	0	0	0	0	0
11	0	0	0.003912	0	0	0	0	0	0
12	0	0	0.000493	0	0	0	0	0	0
13	0	0	0.003518	0	0	0	0	0	0
14	0	0	0.001446	0	0	0	0	0	0
15	0	0	0.00046	0	0	0	0	0	0
16	0	0	0.003978	0	0	0	0	0	0
17	0	0	0.00526	0	0	0	0	0	0
18	0	0	0.002466	0	0	0	0	0	0
19	0	0	0.000263	0	0	0	0	0	0
20	0	0	9.86E-05	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0.000197	0	0	0	0	0	0
24	0	0	0.000164	0	0	0	0	0	0
25	0	0	0.001808	0	0	0	0	0	0
26	0	0	0.033926	0	0	0	0	0	0
27	0	0	0.018541	0	0	0	0	0	0
28	0	0	0.02699	0	0	0	0	0	0
29	0	0	0.019133	0	0	0	0	0	0
30	0	0	0.002367	0	0	0	0	0	0
31	0	0	0.004044	0	0	0	0	0	0
32	3.29E-05	0	0.024393	0	0	0	0	0	0
33	0	0	0.026562	0	0	0	0	0	0
34	0	0	0.018311	0	0	0	0	0	0
35	0	0	0.040008	0	0	0	0	0	0
36	0	0	0.021105	0	0	0	0	0	0
37	0	0	0.073342	0	0	0	0	0	0
38	0.000164	0	0.00766	0	0	0	0	0	0
39	0	0	0.031756	0	0	0	0	0	0
40	0	0	0.022091	0	0	0	0	0	0
41	0.00023	0	0.018968	0	0	0	0	0	0
42	0	0	0.005556	0	0	0	0	0	0
43	0.000131	0	0.007298	0	0	0	0	0	0
44	0.000197	0	0.01841	0	0	0	0	0	0
45	3.29E-05	0	0.008317	0	0	0	0	0	0
46	0	0	0.003156	0	0	0	0	0	0
47	0.000164	0	0.018081	0	0	0	0	0	0
48	0	0	6.57E-05	0	0	0	0	0	0
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2	0	0	0.013314	0	0	0	0	0	0
3	0	0	0.020678	0	0	0	0	0	0
4	0	0	0.0119	0	0	0	0	0	0
5	0	0	0.037575	0	0	0	0	0	0
6	0	0	0.038627	0	0	0	0	0	0
7	0	0	0.001512	0	0	0	0	0	0
8	0	0	0.006805	0	0	0	0	0	0
9	0	0	0.002597	0	0	0	0	0	0
10	0	0	0.0167	0	0	0	0	0	0
11	0	0	0.025149	0	0	0	0	0	0
12	0	0	0.01453	0	0	0	0	0	0
13	0	0	0.010553	0	0	0	0	0	0
14	0	0	0.009271	0	0	0	0	0	0
15	0	0	0.009008	0	0	0	0	0	0
16	0.000131	0	0.002005	0	0	0	0	0	0
17	0	0	0.010257	0	0	0	0	0	0
18	0	0	0.00092	0	0	0	0	0	0
19	0	0	0.002794	0	0	0	0	0	0
20	0	0	0.00332	0	0	0	0	0	0
21	0	0	0.014662	0	0	0	0	0	0
22	0	0	0.003978	0	0	0	0	0	0
23	0	0	0.00069	0	0	0	0	0	0
24	0	0	0.005753	0	0	0	0	0	0
25	0	0	0.004307	0	0	0	0	0	0
26	3.29E-05	0	0.002498	0	0	0	0	0	0
27	0	0	0.000723	0	0	0	0	0	0
28	6.57E-05	0	0.003386	0	0	0	0	0	0
29	0	0	0.000131	0	0	0	0	0	0
30	3.29E-05	0	0.001709	0	0	0	0	0	0
31	0	0	0.001644	0	0	0	0	3.29E-05	0
32	0	0	0.009961	0	0	0	0	0	0
33	0	0	0.009764	0	0	0	0	0	0
34	0	0	0.007923	0	0	0	0	0	0
35	0	0	0.001808	0	0	0	0	0	0
36	0	0	0.008613	0	0	0	0	0	0
37	6.57E-05	0	0.010322	0	0	0	0	0	0
38	0	0	0.004997	0	0	0	0	0	0
39	0	0	0.000592	0	0	0	0	0	0
40	0	0	0.009566	0	0	0	0	0	0
41	0	0	0.009566	0	0	0	0	0	0
42	0	0	0.025445	0	0	0	0	0	0
43	0	0	0.022256	0	0	0	0	0	0
44	0	0	0.032381	0	0	0	0	0	0
45	0	0	0.000888	0	0	0	0	0	0
46	0	0	0.001611	0	0	0	0	0	0
47	0	0	0.010125	0	0	0	0	0	0
48	0	0	0.040632	0	0	0	0	0	0
49									
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2		0	0	0.03054	0	0	0	0	0
3		0	0	0.028798	0	0	0	0	0
4		0	0	0.039449	0	0	0	0	0
5		0	0	0.017325	0	0	0	0	0
6		0	0	0.060752	0	0	0	0	0
7		0	0	0.000131	0	0	0	0	0
8		0	0	0	0	0	0	0	0
9		0	0	0.0024	0	0	0	0	0
10		0	0	0.001381	0	0	0	0	0
11		0	0	0.015286	0	0	0	0	0
12		0	0	0.007495	0	0	0	0	0
13		0	0	0.004537	0	0	0	0	0
14		0	0	0.001124	0	0	0	0	0
15	7.02E-05	0	0	0.004997	0	0	0	0	0
16		0	0	0.000789	0	0	0	0	0
17		0	0	0.000625	0	0	0	0	0
18		0	0	9.86E-05	0	0	0	0	0
19		0	0	0.001841	0	0	0	0	0
20		0	0	6.57E-05	0	0	0	0	0
21		0	0	0.000855	0	0	0	0	0
22		0	0	0.009566	0	0	0	9.86E-05	0
23		0	0	0.01075	0	0	0	0	0
24		0	0	0.003419	0	0	0	0	0
25		0	0	0.011736	0	0	0	0	0
26		0	0	0.008021	0	0	0	0	0
27	0.000164	0	0	0.01292	0	0	0	0	0
28		0	0	0.005095	0	0	0	0	0
29		0	0	0.043032	0	0	0	0	0
30		0	0	0.000986	0	0	0	0	0
31		0	0	0.002235	0	0	0	0	0
32		0	0	0.001841	0	0	0	0	0
33		0	0	0.024623	0	0	0	0	0
34		0	0	0.000263	0	0	0	0	0
35		0	0	0.000263	0	0	0	0	0
36		0	0	0.028075	0	0	0	0	0
37	0.000131	0	0	0.023012	0	0	0	0	0
38	3.29E-05	0	0	0.01052	0	0	0	0	0
39		0	0	0.002137	0	0	0	0	0
40		0	0	0.004208	0	0	0	0	0
41	6.57E-05	0	0	0.017325	0	0	0	0	0
42		0	0	0.014202	0	0	0	0	0
43	9.86E-05	0	0	0.014202	0	0	0	0	0
44	0.000592	0.000263	0	0.009303	0	0	0	0	0
45		0	0	0.009172	0	0	0	0	0
46	0.000197	0	0	0.000986	0	0	0	0	0
47		0	0	0.013347	0	0	0	0	0
48	3.29E-05	0	0	0.019856	0	0	0	0	0
49	9.86E-05	0	0	0.01453	0	0	0	0	0
50	9.86E-05	0	0	0.016437	0	0	0	0	0
51	6.57E-05	0	0						
52									
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2	9.86E-05	0	0.008251	0	0	0	0	0	0
3	0	0	0.010125	0	0	0	0	0	0
4	0	0	0.018147	0	0	0	0	0	0
5	0	0	0.008876	0	0	0	0	0	0
6	0	0	0.001841	0	0	0	0	0	0
7	0	0	0.002959	0	0	0	0	0	0
8	0	0	0.005227	0	0	0	0	0	0
9	0	0	0.003386	0	0	0	0	0	0
10	0	0	0.005556	0	0	0	0	0	0
11	0	0	0.008679	0	0	0	0	0	0
12	0	0	0.014465	0	0	0	0	0	0
13	0	0	0.002663	0	0	0	0	0	0
14	0	0	0.006246	0	0	0	0	0	0
15	0	0	0.007956	0	0	0	0	0	0
16	0	0	0.004438	0	0	0	0	0	0
17	0	0	0.002498	0	0	0	0	0	0
18	0	0	0.001677	0	0	0	0	0	0
19	0	0	0.001085	0	0	0	0	0	0
20	0	0	0.000986	0	0	0	0	0	0
21	3.29E-05	0	0.012952	0	0	0	0	0	0
22	0	0	0.019231	0	0	0	0	0	0
23	0	0	0.003682	0	0	0	0	0	0
24	0	0	0.017818	0	0	0	0	0	0
25	0	0	0.026694	0	0	0	0	0	0
26	0	0	0.009764	0	0	0	0	0	0
27	0	0	0.007068	0	0	0	0	0	0
28	0	0	0.011276	0	0	0	0	0	0
29	0	0	0.008909	0	0	0	0	0	0
30	0	0	0.019231	0	0	0	0	0	0
31	0	0	0.007528	0	0	0	0	0	0
32	0	0	0.004339	0	0	0	0	0	0
33	0	0	0.01029	0	0	0	0	0	0
34	0.000131	0	0.007199	0	0	0	0	0	0
35	0	0	0.020218	0	0	0	0	0	0
36	0	0	0.010848	0	0	0	0	0	0
37	0	0	0.010783	0	0	0	0	0	0
38	0	0	0.008745	0	0	0	0	0	0
39	0.000164	0	0.018048	0	0	0	0.000131	0	0
40	0.001841	0	0.013084	0	0	0	0	0	0
41	0	0	0.002433	0	0	0	0	0	0
42	0.00023	0	0.002268	0	0	0	0	0	0
43	0	0	0.00355	0	0	0	0	0	0
44	0	0	0.00835	0	0	0	0	0	0
45	0	0	0.018344	3.29E-05	0	0	0	0	0
46	0	0	0.017851	0	0	0	0	0	0
47	0	0	0.000131	0	0	0	0	0	0
48	0	0	9.86E-05	0	0	0	0	0	0

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2	0	0	0.000164	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0.001808	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0.000131	0	0	0	0	0	0
7	6.57E-05	0	0.010257	0	0	0	0	0	0
8	3.29E-05	0	0.009073	0	0	0	0	0	0
9	3.29E-05	0	0.046911	0	0	0	0	0	0
10	9.86E-05	0	0.010816	0	0	0	0	0	0
11	0.000131	0	0.004274	0	0	0	0	0	0
12	6.57E-05	0	0.00263	0	0	0	0	0	0
13	6.57E-05	0	0.003255	0	0	0	0	0	0
14	0	0	0.000329	0	0	0	0	0	0
15	9.86E-05	0	0.009501	0	0	0	0	0	0
16	0.000526	0	0.010454	0	0	0	0	0	0
17	0	0	0.001742	0	0	0	0	0	0
18	0	0	0.002729	0	0	0	0	0	0
19	0	0	0.000296	0	0	0	0	0	0
20	0	0	0.001183	0	0	0	0	0	0
21	0	0	0.001085	0	0	0	0	0	0
22	0	0	0.006016	0	0	0	0	0	0
23	0	0	0.007134	0	0	0	0.000131	0	0
24	0	0	0.000888	0	0	0	0	0	0
25	0	0	0.000493	0	0	0	0	0	0
26	0	0	0.002268	0	0	0	0	0	0
27	0.000329	0	0.018442	0	0	0	0	0	0
28	0.001446	0	0.00766	0	0	0	0	0	0
29	6.57E-05	0	0.00766	0	0	0	0	0	0
30	6.57E-05	0	0.015286	0	0	0	0	0	0
31	0	0	0.021565	0	0	0	0	0	0
32	9.86E-05	0	0.006476	0	0	0	0	0	0
33	0	0	0.000394	0	0	0	0	0	0
34	0	0	6.57E-05	0	0	0	0	0	0
35	0	0	0.001019	0	0	0	0	0	0
36	0	0	0.011111	0	0	0	0	0	0
37	0	0	0.005095	0	0	0	0	0	0
38	0	0	0.016667	0	0	0	0	0	0
39	0	0	0.018541	0	0	0	0	0	0
40	0	0	0.012229	0	0	0	0	0	0
41	3.29E-05	0	0.009829	0	0	0	0	0	0
42	3.29E-05	0	0.016207	0	0	0	0	0	0
43	0	0	0.000756	0	0	0	0	0	0
44	0.000131	0	0.014596	0	0	0	0	0	0
45	6.57E-05	0	0.020875	0	0	0	0	0	0
46	0	0	0.02242	0	0	0	0	0	0
47	0	0	0.01098	0	0	0	0	0	0
48	0	0	0.029422	0	0	0	0	6.57E-05	0

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2	0	0	0.051481	0	0	0	0	0	0
3	0	0	0.006476	0	0	0	0	0	0
4	0	0	0.021434	0	0	0	0	0	0
5	0	0	9.86E-05	0	0	0	0	0	0
6	0	0	0.0024	0	0	0	0	0.001841	0
7	0	0	0.001972	0	0	0	0	0.00023	0
8	0	0	0.008843	0	0	0	0	3.29E-05	0
9	0	0	0.000362	0	0	0	0	0	0
10	0	0	0.003616	0	0	0	0	0	0
11	0	0	0.004076	0	0	0	0	0	0
12	0	0	0.002137	0	0	0	0	0.000657	0
13	0	0	0.003287	0	0	0	0	3.29E-05	0
14	0	0	0.001446	0	0	0	0	6.57E-05	0
15	0	0	0.002926	0	0	0	0	0.000329	0
16	0.000329	0	0.013347	0	0	0	0	0	0
17	3.29E-05	0	0.012952	0	0	0	0	0	0
18	6.57E-05	0	0.014629	0	0	0	0	0	0
19	0	0	0.004307	0	0	0	0	0	0
20	6.57E-05	0	0.010816	0	0	0	0	0	0
21	0.000197	0	0.017785	0	0	0	0	0	0
22	0	0	0.014793	0	0	0	0	0	0
23	3.29E-05	0	0.00618	0	0	0	0	0	0
24	0.000164	0	0.005194	0	0	0	0	0	0
25	0	0	0.003781	0	0	0	0	0	0
26	0	0	0.000296	0	0	0	0	0	0
27	0	0	0.001085	0	0	0	0	0	0
28	0	0	0.00023	0	0	0	0	0	0
29	0	0	0.000197	0	0	0	0	0	0
30	0	0	0.001151	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0.00023	0	0	0	0	0	0
33	0	0	0.000164	0	0	0	0	0	0
34	9.86E-05	0	0.002268	0	0	0	0	0	0
35	0	0	0.004076	0	0	0	0	0	0
36	0.000296	0	0.020251	0	0	0	0	0	0
37	0.000329	0	0.013248	0	0	0	0	0	0
38	0.00069	0	0.005852	0	0	0	0	0	0
39	0.000329	0	0.006213	0	0	0	0	0	0
40	0	0	0.007167	0	0	0	0	0	0
41	0.000296	0	0.048424	0	0	0	0	0	0
42	0.00023	0	0.004668	0	0	0	0	0	0
43	0.000953	0	0.01647	0	0	0	0	0	0
44	0	0	0.007857	0	0	0	0	0	0
45	0	0	0.001611	0	0	0	0	3.29E-05	0
46	0	0	0.00092	0	0	0	0	0	0
47	0	0	0.003715	0	0	0	0	9.86E-05	0
48	0	0	0.000723	0	0	0	0	0	0
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2	6.57E-05	0	0.013248	0	0	0	0	0	0
3	6.57E-05	0	0.005424	0	0	0	0	0	0
4	0	0	0.007134	0	0	0	0	0	0
5	0	0	0.028962	0	0	0	0	0	0
6	0	0	0.015122	0	0	0	0	0	0
7	0	0	0.022979	0	0	0	0	0	0
8	0	0	0.008482	0	0	3.29E-05	0	0	0
9	0	0	0.013117	0	0	0	0	0	0
10	0	0	0.00194	0	0	0	0	0	0
11	0	0	0.011868	0	0	0	0	6.57E-05	0
12	0	0	0.001348	0	0	0	0	0	0
13	0	0	0.010388	0	0	0	0	0	0
14	0	0	0.009928	0	0	0	0	0	0
15	0	0	0.0024	0	0	3.29E-05	0	0	0
16	0	0	0.004668	0	0	0	0	0	0
17	0	0	0.005556	0	0	0	0	0	0
18	0	0	0.000362	0	0	0	0	0	0
19	0	0	0.001183	0	0	0	0	0	0
20	0	0	0.000789	0	0	0	0	0	0
21	0	0	0.001151	0	0	0	0	0	0
22	0	0	0.000164	0	0	0	0	0	0
23	0	0	0.000888	0	0	0	0	0	0
24	0	0	0.005424	0	0	0	0	0	0
25	0	0	0.000986	0	0	0	0	0	0
26	0	0	0.000164	0	0	0	0	0	0
27	0	0	6.57E-05	0	0	0	0	0	0
28	0	0	9.86E-05	0	0	0	0	0	0
29	0	0	0.001282	0	0	0	0	0	0
30	3.29E-05	0	0.013347	0	0	0	0	0	0
31	6.57E-05	0	0.002235	0	0	0	0	0	0
32	0	0	0.001249	0	0	0	0	0	0
33	0	0	0.000197	0	0	0	0	0	0
34	0	0	0.017456	0	0	0	0	0	0
35	0	0	0.012394	0	0	0	0	0	0
36	0	0	0.003222	0	0	0	0	0	0
37	0	0	0.001085	0	0	0	0	0	0
38	0	0	0.00457	0	0	0	0	0	0
39	0	0	0.001479	0	0	0	0	0	0
40	0	0	0.006838	0	0	0	0	0	0
41	0	0	0.002301	0	0	0	0	0	0
42	0	0	0.00217	0	0	0	0	0	0
43	0	0	0.004833	0	0	0	0	0	0
44	0	0	0.00217	0	0	0	0	0	0
45	0	0	0.004241	0	0	0	0	0	6.57E-05
46	6.57E-05	0	0.01029	0	0	0	0	0	0
47	0	0	0.008153	0	0	0	0	0	0
48	0.000657	0	0.007923	0	0	0	0	0	0
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2	6.57E-05	0	0.03271	0	0	0	0	0	0
3	0.00023	0	0.012887	0	0	0	0	0	0
4	3.29E-05	0	0.003715	0	0	0	0	0	0
5	0	0	0.024689	0	0	0	0	0	0
6	0	0	0.025346	0	0	0	0	0	0
7	0	0	0.015319	0	0	0	0	0	0
8	0	0	0.014103	0	0	0	0	0	0
9	0	0	0.010684	0	0	0	0	0	0
10	0	0	0.026529	0	0	0	0	0	0
11	0	0	0.015517	0	0	0	0	0	0
12	0	0	0.054834	0	0	0	0	0	0
13	0	0	0.000855	0	0	0	0	0	0
14	0	0	0.026003	0	0	0	0	0	0
15	0	0	0.017686	0	0	0	0	0	0
16	0	0	0.013018	0	0	0	0	0	0
17	0	0	0.001709	0	0	0	0	0	0
18	0	0	0.033696	0	0	0	0	0	0
19	0	0	0.070154	0	0	0	0	0	0
20	0	0	0.03774	0	0	0	0	0	0
21	0	0	0.009961	0	0	0	0	0	0
22	3.29E-05	0	0.003583	0	0	0	0	3.29E-05	0
23	6.57E-05	0	0.009797	0	0	0	0	0	0
24	0.000329	0	0.009468	0	0	0	0	0	0
25	0	0	0.013709	0	0	0	0	0	0
26	0	0	0.006312	0	0	0	0	0	0
27	9.86E-05	0	0.007988	0	0	0	0	0	0
28	0	0	0.009435	0	0	0	0	0	0
29	9.86E-05	0	0.007002	0	0	0	0	0	0
30	0	0	0.002992	0	0	0	0	0	0
31	0	0	0.004602	0	0	0	0	0	0
32	0	0	0.008745	0	0	0	0	0	0
33	0	0	0.002696	0	0	0	0	0	0
34	0	0	0.001841	0	0	0	0	0	0
35	0	0	0.005589	0	0	0	0	0	0
36	0	0	0.002696	0	0	0	0	0	0
37	0	0	0.000263	0	0	0	0	0	0
38	0	0	0.002761	0	0	0	0	0	0
39	0	0	0.00618	0	0	0	0	0	0
40	0	0	0.002729	0	0	0	0	0	0
41	0	0	0.000953	0	0	0	0	0.000625	0
42	0	0	0.001118	0	0	0	0	3.29E-05	0
43	0	0	9.86E-05	0	0	0	0	0	0
44	0	0	0.009106	0	0	0	0	0	0
45	0	0	0.010355	0	0	0	0	0	0
46	0	0	0.00457	0	0	0	0	0	0
47	0	0	0.004208	0	0	0	0	0.000625	0
48	0	0	0.00092	0	0	3.29E-05	0	0.000362	0
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2	0	0	0.00023	0	0	0	0	0.000394
3	0	0	0.012657	0	0	0	0	0
4	0	0	0.000559	0	0	0	0	3.29E-05
5	0	0	0.000855	0	0	0	0	0
6	0	0	3.29E-05	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0.000131	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0	0	9.86E-05	0	0	0	0	0
14	0	0	0.000197	0	0	0	0	0
15	0	0	0.00023	0	0	0	0	0
16	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0
18	0	0	3.29E-05	0	0	0	0	0
19	0	0	0.000131	0	0	0	0	0
20	9.86E-05	0	0.006673	0	0	0	0	0
21	3.29E-05	0	0.004734	0	0	0	0	0
22	0	0	0.005753	0	0	0	0	0
23	3.29E-05	0	0.004865	0	0	0	0	0
24	0	0	0.001907	0	0	0	0	0
25	3.29E-05	0	0.00194	0	0	0	0	0
26	0	0	0.001709	0	0	0	0	0
27	0	0	0.003945	0	0	0	0	0
28	0	0	0.007594	0	0	0	0	0
29	3.29E-05	0	0.005819	0	0	0	0	0
30	0	0	0.035471	0	0	0	0	0
31	0	0	0.003287	0	0	0	0	0
32	9.86E-05	0	0.015122	0	0	0	0	0
33	0.000164	0	0.029225	0	0	0	0	0
34	0	0	0.001414	0	0	0	0	0
35	0	0	0.008219	0	0	0	0	0
36	0	0	0.001216	0	0	0	0	0
37	0	0	0.002498	0	0	0	0	0
38	0	0	0.001709	0	0	0	0	0
39	0	0	0.009566	0	0	0	0	0
40	0	0	0.003715	0	0	0	0	0
41	0	0	0.002071	0	0	0	0	0
42	0	0	0.003222	0	0	0	0	0
43	0	0	0.00595	0	0	0	0	0
44	0	0	0.004898	0	0	0	0	0
45	6.57E-05	0	0.010257	0	0	0	0	0
46	0.000131	0	0.010881	0	0	0	0	0
47	0	0	0.0024	0	0	0	0	0
48	3.29E-05	0	0.00618	0	0	0	0	0
49	0.000197	0	0.002104	0	0	0	0	0
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2	6.57E-05	0	0.006378	0	0	0	0	0	0
3	0.000394	0	0.010487	0	0	0	0	0	0
4	0	0	0.000329	0	0	0	0	0	0
5	0.000657	0	0.017325	0	0	0	0	0	0
6	6.57E-05	0	0.003616	0	0	0	0	0	0
7	0	0	0.011079	0	0	0	0	0	0
8	0	0	0.008416	0	0	0	0	0	0
9	0	0	0.014563	0	0	0	0	0	0
10	0	0	0.008745	0	0	0	0	0	0
11	0	0	0.003748	0	0	0	0	0	0
12	0	0	0.015517	0	0	0	0	0	0
13	0	0	0.008909	0	0	0	0	0	0
14	0	0	0.023176	0	0.001118	0	0	0	0
15	0	0	0.012952	0	0	0	0	0	0
16	3.29E-05	0	0.021861	0	0	0	0	0	0
17	0	0	0.009303	0	0	0	0	0	0
18	0	0	0.012032	0	0	0	0	0	0
19	0	0	0.019429	0	0	0	0	0	0
20	3.29E-05	0	0.016667	0	0	0	0	0	0
21	0	0	0.000427	0	0	0	0	0	0
22	0	0	0.009402	0	0	0	0	0	0
23	0	0	0.0239	0	0	0	0	0	0
24	3.29E-05	0	0.015977	0	0	0	0	0	0
25	0	0	0.043098	0	0	0	0	0	0
26	6.57E-05	0	0.026661	0	0	0	0	0	0
27	6.57E-05	0	0.012821	0	0	0	0	0	0
28	9.86E-05	0	0.011046	0	0	0	0	0	0
29	0	0	0.013446	0	0	0	0	0	0
30	9.86E-05	0	0.008449	0	0	0	0	0	0
31	0	0	0.010454	0	0	0	0	0	0
32	0	0	0.014695	0	0	0	0	0	0
33	0	0	0.032414	0	0	0	0	0	0
34	0	0	0.042441	0	0	0	0	0	0
35	9.86E-05	0	0.009303	0	0	0	0	0	0
36	0	0	0.01407	0	0	0	0	3.29E-05	0
37	0	0	0.018344	0	0	0	0	0	0
38	0	0	0.006345	0	0	0	0	0	0
39	0	0	0.000131	0	0	0	0	0	0
40	0	0	0.000197	0	0	0	0	0	0
41	0	0	0.000559	0	0	0	0	0	0
42	0	0	0.005391	0	0	0	0	0	0
43	0	0	3.29E-05	0	0	0	0	0	0
44	0	0	6.57E-05	0	0	0	0	0	0
45	0	0	0.001183	0	0	0	0	0	0
46	0	0	3.29E-05	0	0	0	0	0	0
47	9.86E-05	0	0.005589	0	0	0	0	0	0
48	6.57E-05	0	0.008876	0	9.86E-05	3.29E-05	0	0	0
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2	3.29E-05	0	0.04872	0	0	0	0	0	0
3	0	0	0.00789	0	0	0	0	0	0
4	0	0	0.018311	0	0	0	0	0	0
5	0	0	0.022091	0	0	0	0	0	0
6	0	0	0.020842	0	0	0	0	0	0
7	0	0	0.025017	0	0	0	0	0	0
8	0	0	0.006904	0	0	0	0	0	0
9	0	0	0.002729	0	0	0	0	0	0
10	0	0	0.004076	0	0	0	0	0	0
11	0	0	0.009797	0	0	0	0.000131	0	0
12	0	0	0.006213	0	0	0	0	0	0
13	0	0	0.008416	0	0	0	0	0	0
14	0	0	0.001414	0	0	0	0	0	0
15	0	0	0.000625	0	0	0	0	0	0
16	0	0	0.003879	0	0	0	0	0	0
17	0	0	0.00572	0	0	0	0	0	0
18	0	0	0.000592	0	0	0	0	0	0
19	0	0	0.000164	0	0	0	0	0	0
20	0	0	0.002564	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0.00046	0	0	0	0	0	0
23	0	0	0.000197	0	0	0	0	0	0
24	0	0	0.00046	0	0	0	0	0	0
25	0	0	0.000329	0	0	0	0	0	0
26	3.29E-05	0	0.012098	0	0	0	0	0	0
27	0.000131	0	0.01601	0	0	0	0	0	0
28	0	0	0.004274	0	0	0	0	0	0
29	0	0	0.020875	0	0	0	0	0	0
30	0	0	0.01361	0	0	0	0	0	0
31	3.29E-05	0	0.020481	0	0	0	0	0	0
32	3.29E-05	0	0.031625	0	0	0	0	0	0
33	6.57E-05	0	0.009632	0	0	0	0	0	0
34	6.57E-05	0	0.002893	0	0	0	0	0	0
35	3.29E-05	0	0.037246	0	0	0	0	0	0
36	0.000164	0	0.019626	0	0	0	0	0	0
37	0	0	0.002268	0	0	0	0	0	0
38	0.000131	0	0.007824	0	0	0	0	0	0
39	0	0	0.007725	0	0	0	0	0	0
40	0	0	0.004109	0	0	0	0	0	0
41	0	0	0.004011	0	0	0	0	0	0
42	0	0	0.008514	0	0	0	0	0	0
43	0.000625	0	0.022979	0	0	0	0	9.86E-05	0
44	3.29E-05	0	0.00881	0	0	0	0	0	0
45	0	0	0.009271	0	0	0	0	0	0
46	0	0	0.019396	0	0	0	0	0	0
47	0.000493	0	0.005358	0	0	0	0	0	0
48	0	0	0.010388	0	0	0	0	0	0
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2	0	0	0.008843	0	0	0	0	0	0
3	0	0	0.009402	0	0	0	0	0	0
4	6.57E-05	0	0.008021	0	0	0	0	0	0
5	6.57E-05	0	0.01167	0	0	0	0	0	0
6	0.000427	0	0.008383	0	0	0	0	0	0
7	3.29E-05	0	0.007167	0	0	0	0	0	0
8	0.000493	0	0.007364	0	0	0	0	0.000164	0
9	0	0	0.026135	0	0	0	0	0	0
10	3.29E-05	0	0.017456	0	0	0	0	0	0
11	0.000296	0	0.012492	0	0	0	0	0	0
12	6.57E-05	0	0.021467	0	0	0	0	0	0
13	0.000592	0	0.022486	0	0	0	0	0	0
14	3.29E-05	0	0.017358	0	0	0	0	0	0
15	0	0	0.001282	0	0	0	0	0	0
16	0	0	0.005753	0	0	0	0	0	0
17	0	0	0.004833	0	0	0	0	0	0
18	0	0	0.001677	0	0	0	0	0	0
19	3.29E-05	0	0.012722	0	0	0	0	0	0
20	6.57E-05	0	0.010783	0	0	0	0	0	0
21	9.86E-05	0	0.015385	0	0	0	0	0	0
22	3.29E-05	0	0.004898	0	0	0	0	0	0
23	6.57E-05	0	0.015747	0	0	0	0	0	0
24	3.29E-05	0	0.009336	0	0	0	0	0	0
25	0	0	0.007199	0	0	0	0	0	0
26	3.29E-05	0	0.020908	0	0	0	0	0	0
27	0	0	0.000296	0	0	0	0	0	0
28	0	0	0.000756	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	3.29E-05	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0.000131	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	6.57E-05	0	0	0	0
43	0	0	3.29E-05	0	0	0	0	0	0
44	3.29E-05	0	0.014596	0	0	0	0	0	0
45	0	0	0.011605	0	0	0	0	0	0
46	0	0	0.021039	0	0	0	0	0	0
47	6.57E-05	0	0.00503	0	0	0	0	0	0
48	0	0	0.017588	0	0	0	0	6.57E-05	0
49	0	0	0.00835	0	0	0	0	0	0
50	0	0	0.010487	0	0	0	0	0	0
51	3.29E-05	0	0.011243	0	0	0	0	0	0
52	0.000263	0	0.016733	0	0	0	0	0	0
53	3.29E-05	0	0.011539	0	0	0	0	0	0
54	0	0	0.006378	0	0	0	0	0	0
55	0	0	0.004307	0	0	0	0	0	0
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2		0	0	0.017752	0	0	0	0	0
3		0	0	0.027417	0	0	0	0	0
4		0	0	0.012459	0	0	0	0	0
5		0	0	0.01864	0	0	0	0	0
6		0	0	0.012229	0	0	0	0	0
7		0	0	0.001085	0	0	0	0	0
8		0	0	0.001249	0	0	0	0	0
9		0	0	0.008416	0	0	0	0	0
10		0	0	0.000888	0	0	0	0	0
11		0	0	0.002893	0	0	0	0	0
12		0	0	0.00263	0	0	0	0	0
13	3.29E-05	0	0	0.001775	0	0	0	0	0
14	0.000296	0	0	0.00023	0	0	0	9.86E-05	0
15	0	0	0	0.001315	0	0	0	0	0
16	0	0	0	0.003518	0	0	0	0	0
17	3.29E-05	0	0	0.002334	0	0	0	0	0
18	0	0	0	0.000526	0	0	0	0	0
19	0	0	0	0.002334	0	0	0	0	0
20	0	0	0	0.001348	0	0	0	0	0
21	3.29E-05	0	0	0.001183	0	0	0	0	0
22	0	0	0	0.004175	0	0	0	0	0
23	0	0	0	0.001874	0	0	0	0	0
24	0	0	0	0.001151	0	0	0	0	0
25	0.000296	0	0						
26	6.57E-05	0	0						
27	0	0	0						
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0.00023	0	0	0	0	0	0	0	0	0
0.000131	0	0	0	0	0	0	0	0	0
3.29E-05	0	0	0	0	0	0	0	0	0
3.29E-05	0	0	0	0	0	0	0	0	0
0.000723	0	0	0	0	0	0	0	0	0
0.000164	0	3.29E-05	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
6.57E-05	0	0	0	0	0	0	0	0	0
0.000394	0	0	0	0	0	0	0	0	0
0.000296	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0.000131	0	0	0	0	0	0	0	0	0
0.000394	0	0	0	0	0	0	0	0	0
3.29E-05	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0.003485	0	0	0	0	0	0	0	0	0
0.000296	0	0	0	0	0	0	0	0	0
0.000329	0	0	0	0	0	0	0	0	0
0.000427	0	0	0	0	0	0	0	0	0
0.000657	0	0	0	0	0	0	0	0	0
9.86E-05	0	0	0	0	0	0	0	0	0
0.001348	0	0	0	0	0	0	0	0	0
0.008679	0	0	0	0	0	0	0	0	0
0.000164	0	0	0	0	0	0	0	0	0
0.005884	0	0	0	0	0	0	0	0	0
0.001644	0	0	0	0	0	0	0	0	0
0.001775	0	0	0	0	0	0	0	0	0
0.001282	0	0	0	0	0	0	0	0	0
0.000296	0	0	0	0	0	0	0	0	0
0.002038	0	0	0	0	0	0	0	0	0
0.001907	0	0	0	0	0	0	0	0	0
0.000723	0	0	0	0	0	0	0	0	0
0.000526	0	0	0	0	0	0	0	0	0
0.002268	0	0	0	0	0	0	0	0	0
0.001118	0	0	0	0	0	0	0	0	0
0.000822	0	0	0	0	0	0	0	0	0
0.003287	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

1									
2	0.000197	0	0	0	0	0	0	0	0
3	0.000723	0	0	0	0	0	0	0	0
4	6.57E-05	0	0	0	0	0	0	3.29E-05	
5	0.000263	0	0	0	0	0	0	0	0
6	0.000362	0	0	0	0	0	0	0	0
7									
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0.007758	0	0	0	0	0	0	0	0
11	0.003452	0	0	0	0	0	0	0	0
12									
13	0	0	0	0	0	0	0	0	0
14	9.86E-05	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	3.29E-05	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18									
19	0.000263	0	0	0	0	0	0	0	0
20	0.001118	0	0	0	0	0	0	0	0
21	0.00069	0	0	0	0	0	0	0	0
22	9.86E-05	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24									
25	9.86E-05	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	3.29E-05	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30									
31	0.000329	0	0	0	0	0	0	0	0
32	3.29E-05	0	0	0	0	0	0	0	0
33	3.29E-05	0	0	0	0	0	0	0	0
34	6.57E-05	0	0	0	0	0	0	0	0
35									
36	0.000296	0	0	0	0	0	0	0	0
37	0.000362	0	0	0	0	0	0	0	0
38	0.00023	0	0	0	0	0	0	0	0
39	0.000493	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41									
42	0.000197	0	0	0	0	0	0	0	0
43	0.000164	0	0	0	0	0	0	0	0
44	6.57E-05	0	0	0	0	0	0	0	0
45	9.86E-05	0	0	0	0	0	0	0	0
46									
47	0.000427	0	0	0	0	0	0	0	0
48	0.000559	0	0	0	0	0	0	0	0
49	0.000953	0	0	0	0	0	0	0	0
50	0.00023	0	0	0	0	0	0	0	0
51	9.86E-05	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54									
55	0.001118	0	0	0	0	0	0	0	0
56	9.86E-05	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	3.29E-05	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0.000559	0	0	0	0	0	0	0	0
6	3.29E-05	0	0	0	0	0	0	0	0
7	3.29E-05	0	0	0	0	0	0	0	0
8	3.29E-05	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	3.29E-05	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0.002038	0	0	0	0	0	0	0	0
18	0.000559	0	0	0	0	0	0	0	0
19	9.86E-05	0	0	0	0	0	0	0	0
20	0.000164	0	0	0	0	0	0	0	0
21	0.001085	0	0	0	0	0	0	0	0
22	3.29E-05	0	0	0	0	0	0	0	0
23	3.29E-05	0	0	0	0	0	0	0	0
24	0.001019	3.29E-05	0	0	0	0	0	0	0
25	0.000986	0	0	0	0	0	0	0	0
26	0.017062	0	0	0	0	0	0	0	0
27	0.000657	0	0	0	0	0	0	0	0
28	0.000723	0	0	0	0	0	0	0	0
29	0.000329	0	0	0	0	0	0	0	0
30	0.000296	0	0	0	0	0	0	0	0
31	9.86E-05	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0.000263	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0.000657	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0.000657	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0.00217	0	0	0	0	0	0	0	0
40	0.001677	0	0	0	0	0	0	0	0
41	0.000197	0	0	0	0	0	0	0	0
42	0.000329	0	0	0	0	0	0	0	0
43	0.000164	0	0	0	0	0	0	0	0
44	0.001052	0	0	0	0	0	0	0	0
45	0.003879	0	0	0	0	0	0	0	0
46	0.000855	0	0	0	0	0	0	0	0
47	0.000526	0	0	0	0	0	0	0	0
48	0.000723	0	0	0	0	0	0	0	0
49	0.001874	0	0	0	0	0	0	0	0
50	0.001183	0	0	0	0	0	0	0	0
51	0.002104	0	0	0	0	0	0	0	0
52									
53									
54									
55									
56									
57									
58									
59									
60									

1									
2	0.001085	0	0	0	0	0	0	0	0
3	0.000263	0	0	0	0	0	0	0	0
4	0.000427	0	0	0	0	0	0	0	0
5	0.000263	0	0	0	0	0	0	0	0
6	3.29E-05	0	0	0	0	0	0	0	0
7		0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0.001052	0	0	0	0	0	0	0	0
16	0.001907	0	0	0	0	0	0	9.86E-05	0
17	0.005621	0	0	0	0	0	0	3.29E-05	0
18	0.000723	0	0	0	0	0	0	0	0
19	0.001216	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	6.57E-05	0	0	0	0	0	0	0	0
23	0.001512	0	0	0	0	0	0	0.000197	0
24	0.011309	0	0	0	0	0	0	0	0
25	0.000953	0	0	0	0	0	0	0	0
26	0.001151	0	0	0	0	0	0	0	0
27	0.008449	0	0	0	0	0	0	0	0
28	0.000592	0	0	0	0	0	0	0	0
29	0.000986	0	0	0	0	0	0	0	0
30	0.000362	0	0	0	0	0	0	0	0
31	0.001118	0	0	0	0	0	0	0	0
32	0.001315	0	0	0	0	0	0	0	0
33	0.000526	0	0	0	0	0	0	0	0
34	0.000657	0	0	0	0	0	0	0	0
35	0.001611	0	0	0	0	0	0	0	0
36	0.000131	0	0	0	0	0	0	0	0
37	0.002367	0	0	0	0	0	0	0	0
38	0.000657	0	0	0	0	0	0	0	0
39	0.00046	0	0	0	0	0	0	0	0
40	0.002203	0	0	0	0	0	0	0	0
41	0.00023	0	0	0	0	0	0	0	0
42	0.001775	0	0	0	0	0	0	0	0
43	0.023143	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	9.86E-05	0	0	0	0	0	0	0	0
46	0.000131	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	9.86E-05	0	0	0	0	0	0	0	0
49	0.000526	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52									
53									
54									
55									
56									
57									
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0.000164	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0.002761	0	0	0	0	0	0	9.86E-05	0
9	0.000493	0	0	0	0	0	0	0	0
10	0.00023	0	0	0	0	0	0	0	0
11	0.003024	0	0	0	0	0	0	0	0
12	0.003386	0	0	0	0	0	0	0	0
13	0.001019	0	0	0	0	0	0	0	0
14	0.000526	0	0	0	0	0	0	0	0
15	0.001677	0	0	0	0	0	0	0	0
16	0.000888	0	0	0	0	0	0	0	0
17	0.000888	0	0	0	0	0	0	0	0
18	0.004175	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	9.86E-05	0	0	0	0	0	0	0	0
22	3.29E-05	0	0	0	0	0	0	0	0
23	0.005194	0	0	0	0	0	0	0	0
24	0.001315	0	0	0	0	0	0	0	0
25	0.000131	0	0	0	0	0	0	0	0
26	0.000296	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0.03008	0	0	0	0	0	0	0	0
32	0.000263	0	0	0	0	0	0	0	0
33	0.001742	0	0	0	0	0	0	0	0
34	0.000263	0	0	0	0	0	0	0	0
35	0.000756	0	0	0	0	0	0	0	0
36	0.000263	0	0	0	0	0	0	0	0
37	0.000888	0	0	0	0	0	0	0	0
38	0.000888	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	3.29E-05	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	3.29E-05	0	0	0	0	0	3.29E-05	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0.000164	0	0	0	0	0	0	0	0
49	0.000131	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0.00069	0	0	0	0	6.57E-05	0	0	0
52	0.00355	0	0	0	0	0	0	0	0
53	0.000822	0	0	0	0	0	0	0	0
54	0.001019	0	0	0	0	0	0	0	0
55	0.001446	0	0	0	0	0	0	0	0
56	0.001446	0	0	0	0	0	0	0	0
57	0.005786	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0.002268	0	0	0	0	0	0	0	0
3	0.001019	0	0	0	0	0	0	0	0
4	0.002564	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	3.29E-05	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0.000263	0	0	0	0	0	0	0	0
9	0.00023	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0.000164	0	0	0	0	0	0	0	0
12	3.29E-05	3.29E-05	0	0	0	0	0	0.000362	
13	0.001709	0	0	0	0	0	0	0	0
14	0	0	0	0.000756	0	0	0	0	0
15	0.00023	0	0	0.005884	0	0	0	0	0
16	0.003287	0	0	0	0	0	0	0	0
17	0.001578	0	0	0	0	0	0	0	0
18	0.001677	0	0	0	0	0	0	0	0
19	0.001315	0	0	0	0	0	0	0	0
20	0.000394	0	0	0	0	0	0	0	0
21	0.001972	0	0	0	0	0	0	0	0
22	0.003189	0	0	0	0	0	0	0	0
23	0.001183	0	0	0	0	0	0	0	0
24	0.000427	0	0	0	0	0	0	0	0
25	0.001808	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	6.57E-05	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	9.86E-05	0	0	0	0	0	0	0	0
31	0.003255	0	0	0	0	0	0	0	0
32	0.010355	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0.000592	0	0	0	0	0	0	0	0
35	0.000164	0	0	0	0	0	0	0	0
36	0.001446	0	0	0	0	0	0	0	0
37	0.006838	0	0	0	0	0	0	0	0
38	0.000263	0	0	0	0	0	0	0	0
39	0.002367	0	0	0	0	0	0	0	0
40	0.000296	0	0	0	0	0	0	0	0
41	0.001019	0	0	0	0	0	0	0	0
42	0.001446	0	0	0	0	0	0	0	0
43	0.002597	0	0	0	0	0	0	0	0
44	0.001052	0	0	0	0	0	0	0	0
45	0.000625	0	0	0	0	0	0	0	0
46	0.00069	0	0	0	0	0	0	0	0
47	0.000986	0	0	0	0	0	0	0	0
48	0.00023	0	0	0	0	0	0	0	0
49									
50									
51									
52									
53									
54									
55									
56									
57									
58									
59									
60									

1									
2	0.002038	0	0	0	0	0	0	0	0
3	0.003156	3.29E-05	0	0	0	0	0	0	0
4	0.001414	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7									
8	0.002827	0	0	0	0	0	0	0	0
9	0.000394	0	0	0	0	0	0	0	0
10	0.000164	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12									
13	0.000559	0	0	0	0	0	0	0	0
14	6.57E-05	0	0	0	0	0	0	0	0
15	0.000296	0	0	0	0	0	0	0	0
16	0.000197	0	0	0	0	0	0	0	0
17	0.000362	0	0	0	0	0	0	0	0
18									
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	3.29E-05	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29									
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0.078832	0	0	0	0	0	0	0	0
33	0.006213	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35									
36	0.000362	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40									
41	3.29E-05	0	0	0	0	0	0	0	0
42	0.00549	0	0	0	0	0	0	0	0
43	0.000131	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47									
48	0.000263	0	0	0	0	0	0	0	0
49	6.57E-05	0	0	0	0	0	0	0	0
50	0.001512	0	0	0	0	0	0	0	0
51	6.57E-05	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53									
54	0.013544	0	0	0	0	0	0	0	0
55	0.001118	0	0	0	0	0	0	0	0
56	0.000592	0	0	0	0	0	0	0	0
57	9.86E-05	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0.000657	0	0	0	0	0	0	0	0
3	0.000296	0	0	0	0	0	0	0	0
4	0.00046	0	0	0	0	0	0	0	0
5	9.86E-05	0	0	0	0	0	0	0	0
6	3.29E-05	0	0	0	0	0	0	0	0
7		0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12		0	0	0	0	0	0	0	0
13	9.86E-05	0	0	0	0	0	0	0	0
14	9.86E-05	0	0	0	0	0	0	0	0
15	3.29E-05	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0
18	0.001216	0	0	0	0	0	0	0	0
19	6.57E-05	0	0	0	0	0	0	0	0
20	9.86E-05	0	0	0	0	0	0	0	0
21	0.000427	0	0	0	0	0	0	0	0
22	0.000789	0	0	0	0	0	0	0	0
23		0	0	0	0	0	0	0	0
24	0.00023	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	6.57E-05	0	0	0	0	0	0	0	0
27	0.002827	0	0	0	0	0	0	0	0
28	0.000427	0	0	0	0	0	0	0	0
29		0	0	0	0	0	0	0	0
30	0.000625	0	0	0	0	0	0	0	0
31	0.000657	0	0	0	0	0	0	0	0
32	0.000493	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34		0	0	0	0	0	0	0	0
35	6.57E-05	0	0	0	0	0	0	0	0
36	9.86E-05	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38		0	0	0	0	0	0	0	0
39	0.000625	0	0	0	0	0	0	0	0
40	9.86E-05	0	0	0	0	0	0	0	0
41	0.000263	0	0	0	0	0	0	0	0
42	0.000131	0	0	0	0	0	0	6.57E-05	0
43	0.000723	0	0	0	0	0	0	0	0
44	0.000625	0	0	0	0	0	0	0	0
45	0.000362	0	0	0	0	0	0	0	0
46		0	0	0	0	0	0	0	0
47	0.001183	0	0	0	0	0	0	0	0
48	0.001972	0	0	0	0	0	0	0	0
49	0.000296	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51		0	0	0	0	0	0	0	0
52	9.86E-05	0	0	0	0	0	0	0	0
53	0.000197	0	0	0	0.000164	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	9.86E-05	0	0	0	0	0	6.57E-05	0	0
56	0.003057	0.001578	0	0	0	0	0	0	0
57	0.002564	0	6.57E-05	0	0	0	0	0.00023	0
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2	0.001512	3.29E-05	0	0	6.57E-05	0	0	0	0
3	0.001151	0	0	0	0	0	0	0	0
4	0.000263	0	0	0	0	0	0	0	0
5	3.29E-05	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	3.29E-05	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	3.29E-05	0	0	0	0	0	0	0	0
21	0.00023	0	0	0	0	0	0	0	0
22	0.010848	0	0	0	0	0	0	0	0
23	0.002564	0	0	0	0	0	0	0	0
24	0.001907	0	0	0	0	0	0	0	0
25	0.001644	0	0	0	0	0	0	0	0
26	0.000427	0	0	0	0	0	0	0	0
27	0.00069	0	0	0	0	0	0	0	0
28	0.000164	0	0	0	0	0	0	0	0
29	0.001907	0	0	0	0	0	0	0	0
30	0.000263	0	0	0	0	0	0	0	0
31	0.000493	0	0	0	0	0	0	0	0
32	0.000723	0	0	0	0	0	0	0	0
33	0.000197	0	0	0	0	0	0	0	0
34	0.000329	0	0	0	0	0	0	0	0
35	0.001282	0	0	0	0	0	0	0	0
36	6.57E-05	0	0	0	0	0	0	0	0
37	0.000526	0	0	0	0	0	0	0	0
38	3.29E-05	0	0	0	0	0	0	0	0
39	0.000131	0	0	0	0	0	0	0	0
40	0.000493	0	0	0	0	0	0	0	0
41	0.000756	0	0	0	0	0	0	0	0
42	0.00023	0	0	0	0	0	0	0	0
43	0.000789	0	0	0	0	0	0	0	0
44	0.000296	0	0	0	0	0	0	0	0
45	0.000657	0	0	0	0	0	0	0	0
46	0.000197	0	0	0	0	0	0	0	0
47	0.001644	0	0	0	0	0	0	0	0
48	0.00217	0	0	0	0	0	0	0	0
49	0.000493	0	0	0	0	0	0	0	0
50	0.00092	0	0	0	0	0	0	0	0
51	0.000329	0	0	0	0	0	0	0	0
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2	0.001512	0	0	0	0	0	0	0	0
3	0.00092	0	0	0	0	0	0	9.86E-05	0
4	0.000263	0	0	0	0	0	0	0	0
5	0.002235	0	0	0	0	0	0	0	0
6	6.57E-05	0	0	0	0	0	0	0.000131	0
7	0.000296	0	0	0	0	0	0	0	0
8	3.29E-05	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0.000197	0	0	0	0	0	0	0	0
11	9.86E-05	0	0	0	0	0	0	0	0
12	3.29E-05	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0.001348	0	0	0	0	0	0	0	0
15	0.005161	0	0	0	0	0	0	0	0
16	0.000427	0	0	0	0	0	0	0	0
17	0.000427	0	0	0	0	0	0	0	0
18	0.001381	0	0	0	0	0	0	0	0
19	0.001348	0	0	0	0	0	0	0	0
20	0.000592	0	0	0	0	0	0	3.29E-05	0
21	0	0	0	0	0	0	0	0	0
22	0.002301	0	0	0	0	0	0	0	0
23	0.004208	0	0	3.29E-05	0	0	0	0	0
24	0.000164	0	0	0	0	0	0	0	0
25	0.000822	0	0	0	0	0	0	0	0
26	0.001841	0	0	0	0	0	0	0	0
27	0.001019	0	0	0	0	0	0	0	0
28	0.001446	0	0	0	0	0	0	0.000263	3.29E-05
29	0.000263	0	0	0	0	0	0	0	0
30	0.000197	0	0	0	0	0	0	0	0
31	9.86E-05	0	0	0	0	0	0	0	0
32	0.000329	0	0	0	0	0	0	0	0
33	0.000394	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0.004635	0	0	0	0	0	0	0	0
36	0.003748	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0.00023	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0.001151	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	3.29E-05	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0.001709	0	0	0	0	0	0	0	0
51	9.86E-05	0	0	0	0	0	0	0	0
52									
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2	0.000526	0	0	0	0	0	0	0	0
3	3.29E-05	0	0	0	0	0	0	0	0
4	0.00023	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0.000559	0	0	0	0	0	0	0	0
10	0.00069	0	0.000263	0	0	0	0	0	0
11	0.017653	6.57E-05	3.29E-05	0	0	0	0	0	0
12	0.000888	0	0	0	0	0	0	0	0
13	0.000296	0	0	0	0	0	0	0	0
14	0.002005	0	0	0	0	0	0	0	0
15	0.00194	0	0	0	0	0	0	0	0
16	0.001381	0	0	0	0	0	0	0	0
17	0.000526	0	0	0	0	0	0	0	0
18	0.001151	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	3.29E-05	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	3.29E-05	0	0	0	0	0	0	0	0
29	6.57E-05	0	0	0	0	0	0	0	0
30	0.000756	3.29E-05	0	0	0	0	0	0	0
31	0.000362	0	0	0	0	0	0	0	0
32	0.001249	0	0	0	0	0	0	0	0
33	0.00069	0	0	0	0	0	0	0	0
34	0.000855	0	0	0	0	0	0	0	0
35	0.001249	0	0	0	0	0	0	0	0
36	0.00263	0	0	0	0	0	0	0	0
37	0.002433	0	0	0	0	0	0	0	0
38	0.000296	0	0	0	0	0	0	0	0
39	0.001085	0	0	0	0	0	0	0	0
40	0.003189	0	0	0	0	0	0	0	0
41	9.86E-05	0	0	0	0	0	0	0	0
42	0.000296	0	0	0	0	0	0	0	0
43	0.000164	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	6.57E-05	0	0	0	0	0	0	0	0
46	6.57E-05	0	0	0	0	0	0	0	0
47	0.000986	3.29E-05	0	6.57E-05	0	0	0	0	0
48	0.001216	0	0	0	0	0	0	0	0
49	0.000592	0	0	0	0	0	0	0	0
50	0.00046	0	0	0	0	0	0	0	0
51	0.000559	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
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2	0.000394	0	0	0	0	0	0	0	0
3	0.000888	0	0	0	0	0	0	0	0
4	0.002137	0	0	0	0	0	0	0	0
5	0.000296	0	0	0	0	0	0	0	0
6	0.000855	0	0	0	0	0	0	0	0
7	0.002071	0	0	0	0	0	0	0	0
8	0.002498	0	0	0	0	0	0	0	0
9	0.000592	0	0	0	0	0	0	0	0
10	0.000164	0	0	0	0	0	0	0	0
11	0.000493	0	0	0	0	0	0	0	0
12	0.00023	0	0	0	0	0	0	0	0
13	6.57E-05	0	0	0	0	0	0	0	0
14	0.000657	0	0	0	0	0	0	0	0
15	3.29E-05	0	0	0	0	0	0	0	0
16	6.57E-05	0	0	0	0	0	0	0	0
17	0.000164	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	3.29E-05	0	0	0	0	0	0	0	0
20	0.00046	0	0	0	0	0	0	0	0
21	0.000329	0	0	0	0	0	0	0	0
22	0.000164	0	0	0	0	0	0	0	0
23	0.000362	0	0	0	0	0	0	0	0
24	3.29E-05	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0.00046	0	0	0	0	0	0	0	0
27	0.011736	0	0	0	0	0	0	0	0
28	0.042145	0	0	0	0	0	0	0	0
29	0.002137	0	0	0	0	0	0	0	0
30	0.001874	0	0	0	0	0	0	0	0
31	0.003452	0	0	0	0	0	0	0	0
32	6.57E-05	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	9.86E-05	0	0	0	0	0	0	0	0
35	0.000197	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0.00069	0	0	0	0	0	0	0	0
38	0.050791	0	6.57E-05	0	0	0	0	0	0
39	0.000164	0	0	0	0	0	0	3.29E-05	0
40	0.002466	0	0	0	0	0	0	0	0
41	0.002959	0	0	0	0	0	0	0	0
42	0.003682	0	0	0	0	0	0	0	0
43	0.000197	0	0	0	0	0	0	0	0
44	0.000362	0	0	0	0	0	0	0	0
45	0.005194	3.29E-05	0	0	0	0	0	0	0
46	0.000427	0	0	0	0	0	0	0	0
47	0.000394	0	0	0	0	0	0	0	0
48	6.57E-05	0	0	0	0	0	0	0	0
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2	0.000592	0	0	0	0	0	0	0	0
3	0.001118	0	0	0	0	0	0	0	0
4	0.000789	0	0	0	0	0	0	0	0
5	0.002137	0	0	0	0	0	0	0	0
6	0.001315	0	0	0	0	0	0	0	0
7	0.002696	0	0	0	3.29E-05	0	0	0	0
8	0.013051	0	0	0	0	0	0	0	0
9	0.000362	0	0	0	0	0	0	0	0
10	0.011637	0	0	0	0	0	0	0	0
11	0.023143	0	0	0	0	0	0	0	0
12	0.001019	0	0	0	0	0	0	0	0
13	6.57E-05	0	0	0	0	0	0	0	0
14	6.57E-05	0	0	0	0	0	0	0	0
15	0.000329	0	0	0	0	0	0	0	0
16	9.86E-05	0	0	0	0	0	0	0	0
17	0.000329	0	0	0	0	0	0	0	0
18	6.57E-05	0	0	0	0	0	0	0	0
19	0.000197	0	0	0	0	0	0	0	0
20	9.86E-05	0	0	0	0	0	0	0	0
21	0.000197	0	0	0	0	0	0	0	0
22	0.000888	0	0	0	0	0	0	0	0
23	0.000296	0	0	0	0	0	0	0	0
24	6.57E-05	0	0	0	0	0	0	0	0
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4	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
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16	0	0	0	0	0	0	0	0	0
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18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
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22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	3.29E-05	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59									
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33	0	0	3.29E-05	0	0	0	0	0	0
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17	0	9.86E-05	0	0	0	0	0	0	0
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15	0	0	0	0	3.29E-05	0	0	0	0
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17	0	0	0	0	0.000296	0	3.29E-05	0	0
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35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	3.29E-05	0	0
38	0	0	0	0	0	0	3.29E-05	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	3.29E-05	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	6.57E-05	0	6.57E-05
52	0	0	0	0	0	0	0	0	0
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57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59									
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3	0	0	0	0	0	0	3.29E-05	0	0
4	0	0	0	0	0	0	0	0	0
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4	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
5	0	0	0	0.012328	0	0	0	0	0
6	0	0	0	0.002531	0	0	0	0	0
7	0	3.29E-05	0	0.001841	0	0	0	0	0
8	0	9.86E-05	0	0.004307	0	0	0	0	0
9	0	0.000164	0	0.020349	0	0	0	0	0
10	0	0	0	0.001874	0	0	0	0	0
11	0	0	0	0.017916	0	0	0	0	0
12	0	0	0	0.003057	0	0	0	0	0
13	0	3.29E-05	0	0.019133	0	0	0	0	0
14	0	3.29E-05	0	0.008975	0	0	0	0	0
15	0	3.29E-05	0	0.00641	0	0	0	0	0
16	0	0	0	0.000296	0	0	0	0	0
17	0	3.29E-05	0	0.003123	0	0	0	0	0
18	0	3.29E-05	0	0.003912	0	0	0	0	0
19	0	0	0	0.009303	0	0	0	0	0
20	0	0	0	0.014991	0	0	0	0	0
21	0	0	0	0.005326	0	0	0	0	0
22	0	0	0	0.00023	0	0	0	0	0
23	0	0	0	0.001151	0	0	0	0	0
24	0	0	0	0.000164	0	0	0	0	0
25	0	0	0	0.055031	0	0	0	0	0
26	0	0	0	0.073605	0	0	0	0	0
27	0	0	0	0.031165	0	0	0	0	0
28	0	0	0	0.032841	0	0	0	0	0
29	0	0	0	0.026069	0	0	0	0	0
30	0	0	0	0.02722	0	0	0	0	0
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33	0	0	0	0.025477	0	0	0	0	0
34	0	0	0	0.016437	0	0	0	0	0
35	0	0	0	0.1026	0	0	0	0	0
36	0	0	0	0.019133	0	0	0	0	0
37	0	0	0	0.013314	0	0	0	0	0
38	0	0	0	0.007594	0	0	0	0	0
39	0	0	0	0.012032	0	0	0	0	0
40	0	0	0	0.005687	0	0	0	0	0
41	0	0	0	0.074592	0	0	0	0	0
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44	0	0	0	0.046122	0	0	0	0	0
45	0	0	0	0.003419	0	0	0	0	0
46	0	0	0	0.009632	0	0	0	0	0
47	0	0	0	0.010585	0	0	0	0	0
48	0	0	0	0.000855	0	0	0	0	0
49									
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2	0	0	0	0.017982	0	0	0	0	0
3	0	0	0	0.018607	0	0	0	0	0
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6	0	0	0	0.015911	0	0	0	0	0
7	0	0	0	0.00069	0	0	0	0	0
8	0	0	0	0.001052	0	0	0	0	0
9	0	0	0	0.002071	0	0	0	0	0
10	0	0	0	0.042375	0	0	0	0	0
11	0	0	0	0.019856	0	0	0	0	0
12	0	0	0	0.065321	0.000394	0	0	0	0
13	0	3.29E-05	0	0.012459	0	0	0	0	0
14	0	0	0	0.029521	0	0	0	0	0
15	0	0	0	0.021993	0	0	0	0	0
16	0	0	0	0.04678	0	0	0	0	0
17	0	0	0	0.016864	0	0	0	0	0
18	0	0	0	0.009271	0	0	0	0	0
19	0	0	0	0.026332	0	0	0	0	0
20	0	3.29E-05	0	0.014498	0	0	0	0	0
21	0	0	0	0.024886	0	0	0	0	0
22	0	0	0	0.097636	0	0	0	0	3.29E-05
23	0	0	0	0.003879	0	0	0	0	0
24	0	0	0	0.009566	0	0	0	0	0
25	0	0	0	0.009271	0	0	0	0	0
26	0	0	0	0.006378	0	0	0	0	0
27	0	0	0	0.00618	0	0	0	0	0
28	3.29E-05	0	0	0.001512	0	0	0	0	0
29	0	0	0	0.000362	0	0	0	0	0
30	0	0	0	0.007561	0	0	0	0	0
31	0	0	0	0.009698	0	3.29E-05	0	0	0
32	0	0	0	0.010454	0	0	0	0	0
33	0	0	0	0.009599	0	0	0	0	0
34	0	0	0	0.013084	0	0	0	0	0
35	0	0	0	0.011013	0	0	0	0	0
36	0	0	0	0.035767	0	0	0	0	0
37	0	0	0	0.009303	0	0	0	0	0
38	0	0	0	0.012394	0	0	0	0	0
39	0	0	0	0.057201	0	0	0	0	0
40	0	0	0	0.010684	0	0	0	0	0
41	0	0	0	0.013084	0	0	0	0	0
42	0	3.29E-05	0	0.008054	0	0	0	0	0
43	0	3.29E-05	0	0.016996	0	0	0	0	0
44	3.29E-05	0	0	0.014366	0	0	0	0	0
45	6.57E-05	9.86E-05	0	0.001775	0	0	0	0	0
46	0	0	0	0.009764	0	0	0	0	0
47	0	0	0	0.009139	0	0	0	0	0
48	0	0	0	0.01052	0	0	0	0	0
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2	0	0	0	0.029948	0	0	0	0
3	0	0	0	0.017785	0	0	0	0
4	0	0	0	0.01979	0	0	0	0
5	0	0	0	0.008219	0	0	0	0
6	0	0	0	0.003846	0	0	0	0
7	0	0	0	0.016141	0	0	0	0
8	0	0	0	0.00263	0	0	0	0
9	0	0	0	0.001907	0	0	0	0
10	0	0	0	0.004898	0	0	0	0
11	0	0	0	0.005293	0	0	0	0
12	0	0	0	0.022354	0	0	0	0
13	0	0	0	0.012821	0	0	0	0
14	0	0	0	0.053234	0	0	0	0
15	0	0	0	0.014695	0	0	0	0
16	0	0.000394	0	0.008087	0	3.29E-05	0	0
17	0	0	0	0.001545	0	0	0	0
18	0	0	0	0.006443	0	0	0	0
19	0	0	0	0.006312	0	0	0	0
20	0	0	0	0.000855	0	0	0	0
21	0	0	0	0.00766	0	0	0	0
22	0	0	0	0.023801	0	0	0	0
23	0	0	0	0.00858	0	0	0	0
24	0	0	0	0.001249	0	0	0	0
25	0	0	0	0.011572	0	0	0	0
26	0	0	0	0.00572	0	0	0	0
27	0	0	0	0.010553	0	0	0	0
28	0	0	0	0.00263	0	0	0	0
29	0	0	0	0.001381	0	0	0	0
30	0	0	0	9.86E-05	0	0	0	0
31	0	0	0	0.001216	0	0	0	0
32	0	0	0	0.001085	0	0	0	0
33	0	0	0	0.00309	0	0	0	0
34	0	0	0	0.008909	0	0	0	0
35	0	0	0	0.007956	0	0	0	0
36	0	0	0	0.007134	0	0	0	0
37	0	0	0	0.003912	0	0	0	0
38	0	0	0	0.000789	0	0	0	0
39	0	0	0	0.000493	0	0	0	0
40	0	0	0	0.007627	0	0	0	0
41	0	0	0	0.006312	0	0	0	0
42	0	0.00023	0	0.00904	0	0	0	0
43	0	9.86E-05	0	0.013511	0	0	0	0
44	0	3.29E-05	0	0.002137	0	0	0	0
45	0	0	0	0.004109	0	0	0	0
46	0	0	0	0.012098	0	0	0	0
47	0	0	0	0.017062	0	0	0	0
48	0	0	0	0.02413	0	0	0	0
49								
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2	0	0	0	0.012295	0	0	0	0
3	0	0	0	0.002794	0	0	0	0
4	0	6.57E-05	0	0.002268	0	0	0	0
5	0	0	0	0.002334	0	0	0	0
6	0	0	0	0.001183	0	0	0	0
7	0	0	0	0.005161	0	0	0	0
8	0	0	0	0.003616	0	0	0	0
9	9.86E-05	0	0	0.007232	0	0	0	0
10	0	0	0	0.009862	0	0	0	0
11	0	0	0	0.009271	0	0	0	0
12	0	0.000131	0	0.013413	0	0	0	0
13	0	0	0	0.032414	0	0	0	0
14	0	0	0	0.052862	0	3.29E-05	0	0
15	0	0	0	0.041191	0	0	0	0
16	0	0	0	0.029192	0	0	0	0
17	0	0	0	0.015747	0	0	0	0
18	0.000131	0	0	0.044051	0	0	0	0
19	0	0	0	0.018508	0	0	0	0
20	0	0	0	0.033663	0	0	0	0
21	0	0	0	0.028732	0	0	0	0
22	0	0	0	0.048851	0	0	0	0
23	0	0	0	0.125119	0	0	0	0
24	0	0	0	0.159801	0	0	0	0
25	0	0	0	0.002827	0	0	0	0
26	0	0	0	0.001841	0	0	0	0
27	0	3.29E-05	0	0.007232	0	0	0	0
28	0	0.000131	0	0.008482	0	0	0	0
29	0	0	0	0.020283	0	0	0	0
30	3.29E-05	0	0	0.024097	0	0	0	0
31	6.57E-05	0.000131	0	0.018936	0	0	0	0
32	0.000329	0.000526	0	0.029291	0	0	0	0
33	0	3.29E-05	0	0.031296	0	0	0	0
34	0	0	0	0.023045	0	0	0	0
35	0	0	0	0.01624	0	0	0	0
36	0	0	0	0.028765	0	0	0	0
37	0	3.29E-05	0	0.034617	0	0	0	0
38	0	0	0	0.044019	0	0	0	0
39	0	0.00023	0	0.011703	0	0	0	0
40	0	3.29E-05	0	0.005227	0	0	0	0
41	0	0	0	0.001282	0	0	0	0
42	0	0	0	0.004767	0	0	0	0
43	0	0	0	0.006871	0	0	0	0
44	0	0	0	0.001348	0	0	0	0
45	0	0	0	0.007988	0	0	0	0
46	0	0	0	0.012459	0	0	0	0
47	0	0	0	0.00092	0	0	0	0
48	0	0	0	0.004438	0	0	0	0
49								
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2	0	0	0	0.000855	0	0	0	0	0
3	0	0	0	0.000559	0	0	0	0	0
4	0	0	0	0.047503	0	0	0	0	0
5	0	0	0	0.000822	0	0	0	0	0
6	0	0	0	0.001972	0	0	0	0	0
7	0	0	0	0.018015	0	0	0	0	0
8	0	0	0	0.015878	0	0	0	0	0
9	0	0	0	0.021796	0	0	0	0	0
10	0	0	0	0.029718	0	0	0	0	0
11	0	0	0	0.056313	0	0	0	0	0
12	0	0	0	0.06256	0	0	0	0	0
13	0	0	0	0.016766	0	0	0	0	0
14	0	0	0	0.002696	0	0	0	0	0
15	0	0	0	0.008712	0	0	0	0	0
16	0	0	0	0.032118	0	0	0	0	0
17	0	0	0	0.051251	0	0	0	0	0
18	0	0	0	0.042441	0	0	0	0	0
19	0	0	0	0.015024	0	0	0	0	0
20	0	0	0	0.031493	0	0	0	0	0
21	0	0	0	0.060784	0	0	0	0	0
22	0	0	0	0.019363	0	0	0	0	0
23	0	0	0	0.014432	0	0	0	0	0
24	0	0	0	0.002268	0	0	0	0	0
25	0	0	0	0.000789	0	0	0	0	0
26	0	0	0	0.000723	0	0	0	0	0
27	0	0	0	0.01361	0	0	0	0	0
28	0	0	0	0.013117	0	0	0	0	0
29	0	0	0	0.007988	0	0	0	0	0
30	0	0	0	0.009731	0	0	0	0	0
31	0	0	0	0.005326	0	0	0	0	0
32	0	0	0	0.010487	0	0	0	0	0
33	0	0	0	0.000197	0	0	0	0	0
34	0	0	0	0.00023	0	0	0	0	0
35	0	0	0	0.00355	0	0	0	0	0
36	0	0	0	0.005293	0	0	0	0	0
37	0	0	0	0.025445	0	0	0	0	0
38	0	0	0	0.00618	0	0	0	0	0
39	0	0	0	0.02482	0	0	0	0	0
40	0	0	0	0.007627	0	0	0	0	0
41	0	0	0	0.003189	0	0	0	0	0
42	0	0	0	0.001709	0	0	0	0	0
43	0	0	0	0.002564	0	0	0	0	0
44	0	0	0	0.056182	0	0	0	0	0
45	0	0	0	0.016207	0	0	0	0	0
46	0	0	0	0.109931	0	0	0	0	0
47	0	0	0	0.017982	0	0	0	0	0
48	0	0	0	0.035208	0	0	0	0	0
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2	0	0	0	0.048391	0	0	0	0	0
3	0	0	0	0.012459	0	0	0	0	0
4	0	0	0	0.153785	0	0	0	0	0
5	0	0	0	0.001808	0	0	0	0	0
6	0.000131	0	0	0.007167	0	0	0	0	0.000296
7	0	0	0	0.015681	0	0	0	0	0.000197
8	6.57E-05	0	0	0.018377	0	0	0	0	0
9	0	0	0	0.002433	0	0	0	0	0
10	0	6.57E-05	0	0.008843	0	0	0	0	0.001019
11	0	0.002071	0	0.017982	0	0	0	0	0.000756
12	0.002104	0	0	0.004175	0	0	0	0	0.006969
13	0	0	0	0.00881	0	0	0	0	0.00023
14	0	0	0	0.005391	0	0	0	0	0.003156
15	9.86E-05	0	0	0.007265	0	0	0	0	0.001414
16	0	0	0	0.014235	0	0	0	0	0
17	0	0	0	0.014958	0	0	0	0	0
18	0	0	0	0.012065	0	0	0	0	0
19	0	0	0	0.006509	0	0	0	0	0
20	0	0	0	0.012196	0	0	0	0	0
21	0	0	0	0.013413	0	0	0	0	0
22	0	0	0	0.023768	0	0	0	0	0
23	0	0	0	0.004405	0	0	0	0	0
24	0	0	0	0.003255	0	0	0	0	0
25	0	0	0	0.01121	0	0	0	0	0.000164
26	0	0	0	0.001249	0	0	0	0	0
27	0	0	0	0.000822	0	0	0	0	0
28	0	0	0	0.000131	0	0	0	0	0
29	0	0	0	0.000164	0	0	0	0	0
30	0	0	0	0.010618	0	0	0	0	0
31	0	0	0	0.000526	0	0	0	0	0
32	0	0	0	0.001151	0	0	0	0	0
33	0	0	0	0.002729	0	0	0	0	0
34	0	0	0	0.066472	0	0	0	0	0
35	0	0	0	0.014892	0	0	0	0	0
36	0	0	0	0.031888	0	0	0	0	0
37	0	0	0	0.02551	0	0	0	0	0
38	0	0	0	0.026102	0	0	0	0	0
39	0	0	0	0.015319	0	0	0	0	0
40	0.000131	0	0	0.014728	0	0	0	0	0
41	0	0	0	0.010158	0	0	0	3.29E-05	0
42	0	0	0	0.027286	0	0	0	0	0
43	0	0	0	0.003781	0	3.29E-05	0	0	3.29E-05
44	0	0	0	0.01624	0	0	0	3.29E-05	0
45	0	0	0	0.001841	0	0	0	0	0
46	0	0	0	0.001808	0	0	0	0	0
47	0	0	0	0.004142	0	0	0	0	0
48	0	0.00023	0	0.001085	0	0	0	0	0
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2		0	0	0 0.034715	0	0	0	0	0
3		0	0	0 0.006641	0	0	0	0	0
4		0	0	0 0.015221	0	0	0	0	0
5		0	0	0 0.009205	0	0	0	0	0
6		0	0	0 0.010257	0	0	0	0	0
7		0	0	0 0.012163	0	0	0	0	0
8		0	0	0 0.006706	0	0	0	0	0
9		0	0	0 0.023571	0	0	0	0	0
10		0	0	0 0.001677	0	0	0	0	0
11		0	0	0 0.011605	0	0	0	0	0
12		0	0	0 0.004011	0	0	0	0	0
13		0	0	0 0.006147	0	0	0	0	0
14		0	0	0 0.040797	0	0	0	0	0
15		0	3.29E-05	0 0.072488	0	0	0	0	0
16		0	0	0 0.001381	0	0	0	0	0
17		0	0	0 0.00743	0	0	0	0	0
18		0	0	0 0.002959	0	0	0	0	0
19		0	0	0 0.000625	0	0	0	0	0
20		0	0	0 0.005161	0	0	0	0	0
21		0	0	0 0.006772	0	0	0	0	0
22		0	0	0 0.001972	0	0	0	0	0
23		0	0	0 0.004964	0	0	0	0	0
24		0	0	0 0.009139	0	0	0	0	0
25		0	0	0 0.003024	0	0	0	0	0
26		0	0	0 0.000164	0	0	0	0	0
27		0	0	0 0.000394	0	0	0	0	0
28		0	0	0 0.000493	0	0	0	0	0
29		0	0	0 0.004307	0	0	0	0	0
30		0	0	0 0.004734	0	0	0	0	0
31		0	0	0 0.001118	0	0	0	0	0
32		0	0	0 0.000131	0	0	0	0	0
33		0	0	0 0.000131	0	0	0	0	0
34		0	0	0 0.000131	0	0	0	0	0
35		0	0	0 0.005063	0	0	0	0	0
36		0	0	0 0.001775	0	0	0	0	0
37		0	0	0 0.00046	0	0	0	0	0
38		0	0	0 0.001085	0	0	0	0	0
39		0	0	0 0.012196	0	0	0	0	0
40		0	0	0 0.000822	0 3.29E-05	0	0	0	0
41		0	0	0 0.053355	0	0	0	0	0
42		0	0	0 0.012032	0	0	0	0	0
43		0	0	0 0.014037	0	0	0	0	0
44		0	0	0 0.046846	0	0	0	0	0
45		0	0	0 0.015122	0 6.57E-05	0	0	0	0
46		0	0	0 0.031855	0	0 3.29E-05	0	0	0
47		0	0	0 0.01933	0	0	0	0	0
48		0	0	0 0.019001	0	0	0	0	0
49		0	0	0 0.001479	0	0	0	0	0
50		0	0						
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2	0	0	0	0.006673	0	0	0	0	0
3	0	0	0	0.01979	0	0	0	0	0
4	0	0	0	0.004274	0	0	0	0	0
5	0	0	0	0.015977	0	0	0	0	0
6	0	0	0	0.022256	0	0	0	0	0
7	0	0	0	0.027516	0	0	0	0	0
8	0	3.29E-05	0	0.016864	0	0	0	0	0
9	0	0	0	0.022913	0	0	0	0	0
10	0	0	0	0.022519	0	0	0	0	0
11	0	0	0	0.016437	0	0	0	0	0
12	0	0	0	0.023111	0	0	0	0	0
13	0	0	0	0.003945	0	0	0	0	0
14	0	0	0	0.020711	0	0	0	0	0
15	0	0	0	0.020349	0	0	0	0	0
16	0	0	0	0.010454	0	0	0	0	0
17	0	3.29E-05	0	0.001216	0	0	0	0	0
18	0	0	0	0.010585	0	0	0	0	0
19	0	0	0	0.020908	0	0	0	0	0
20	0	0	0	0.023669	0	0	0	0	0
21	0	3.29E-05	0	0.122226	0	0	0	0	0
22	0	0	0	0.007331	0	0	0	0	0
23	0	0	0	0.020678	0	0	0	0	0
24	0	0	0	0.014202	0	0	0	0	0
25	0	0	0	0.008153	0	0	0	0	0
26	0	0	0	0.013413	0	0	0	0	0
27	0	0	0	0.011736	0	0	0	0	0
28	0	0	0	0.004438	0	0	0	0	0
29	0	0	0	0.003287	0	0	0	0	0
30	0	0	0	0.002301	0	0	0	0	0
31	0	0	0	0.000888	0	0	0	0	0
32	0	0	0	0.000756	0	0	0	0	0
33	0	6.57E-05	0	0.001907	0	0	0	0	0
34	0	3.29E-05	0	0.006476	0	0	0	0	0
35	0	0	0	0.002104	0	0	0	0	0
36	0	0	0	0.004964	0	0	0	0	0
37	0	3.29E-05	0	0.003583	0	0	0	0	0
38	0	0	0	0.018837	0	3.29E-05	0	0	3.29E-05
39	6.57E-05	6.57E-05	0	0.008186	0	0	0	0	0
40	0	0	0	0.011374	0	0	0	0	0
41	0.001644	0.004471	0	0.026266	0	0	0	0	0
42	0.000131	0.000362	0	0.034748	0	0	0	0	0
43	6.57E-05	6.57E-05	0	0.105428	0	0	0	0	0
44	9.86E-05	0.00046	0	0.013577	0	0	0	0	0
45	3.29E-05	0	0	0.009172	0	0	0	0	0
46	0	0	0	0.009928	0	0	0	0	0
47	0.003255	0.014235	0	0.026858	0	0	0	0	0
48	0.001118	0.001085	0	0.025609	0	0	0	0	6.57E-05
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2	0.002696	0.002696	0	0.037049	0	0	0	0	0
3	3.29E-05	0	0	0.012295	0	0	0	0	0
4	0.000723	0.000657	0	0.143299	0	0	0	0	0
5	0	0	0	0.000263	0	0	0	0	0
6	0	0	0	0.004208	0	0	0	0	0
7	0	0	0	3.29E-05	0	0	0	0	0
8	0	0	0	0.001151	0	0	0	0	0
9	0	0	0	3.29E-05	0	0	0	0	0
10	0	0	0	0.000296	0	0	0	0	0
11	0	0	0	0.004307	0	0	0	0	0
12	0	0	0	0.001972	0	0	0	0	0
13	0	0	0	0.007495	0	0	0	0	0
14	0	0	0	0.001183	0	0	0	0	0
15	0	0	0	0.000329	0	0	0	0	0
16	0	0	0	0.006936	0	0	0	0	0
17	0	0	0	0.031	0	0	0	0	0
18	0	0	0	0.001315	0	0	0	0	0
19	6.57E-05	3.29E-05	0	0.028502	0	0	0	0	0
20	0	0	0	0.022848	0	0	0	0	0
21	0	0	0	0.049476	0	0	0	0	0
22	0	0	0	0.057267	0	0	0	0	0
23	0	0	0	0.04964	0	0	0	0	0
24	0	0	0	0.013281	0	0	0	0	0
25	0	0	0	0.014267	0	0	0	0	3.29E-05
26	0	0	0	0.021664	0	0	0	0	0
27	0	0	0	0.012887	0	0	0	0	0
28	0	3.29E-05	0	0.005917	0	0	0	0	0
29	0	0	0	0.002005	0	0	0	0	0
30	0	0	0	0.000756	0	0	0	0	0
31	0	0	0	0.006936	0	0	0	0	0
32	0	6.57E-05	0	0.004898	0	0	0	0	0
33	0	0	0	0.002367	0	0	0	0	0
34	0	0	0	0.009501	0	0	0	0	0
35	0	0	0	0.000789	0	0	0	0	0
36	0	0	0	0.002564	0	0	0	0	0
37	0	0	0	0.010388	0	0	0	0	0
38	0	0	0	0.005391	0	0	0	0	0
39	3.29E-05	0.000822	0	0.015056	0	0	0	0	0
40	0	0	6.57E-05	0.007298	0	0	0	0	0
41	0	0	0	0.022124	0	0	0	0	0
42	0	0	0	0.048752	0	0	0	0	0
43	0	0	0	0.01887	0	0	0	0	0
44	0	0	0	0.075709	0	0	0	0	0
45	3.29E-05	0.001381	0	0.029028	0	0.00023	0	0	0.00023
46	0	0.000197	0	0.01956	0	0	0	0	0
47	0	0	0	0.011703	0	0	0	0	0
48	0	0	0	0.045761	0	0	0	0	0
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2	0.000197	0	0	0.013084	0	0	0	0
3	0	0	0	0.036655	0	6.57E-05	0	0
4	0	0	0	0.001282	0	0	0	0
5	0	0	0	0.101253	0	0	0	0
6	6.57E-05	0	0	0.0143	0	3.29E-05	0	0
7	0	0	0	0.002696	0	0	0	0
8	0	0	0	0.008777	0	0	0	0
9	0	0	0	0.001348	0	0	0	0
10	0	0	0	0.012689	0	0	0	0
11	0	0	0	0.000526	0	0	0	0
12	0	0	0	0.005063	0	0	0	0
13	0	0	0	3.29E-05	0	0	0	0
14	0	0	0	0.006213	0	0	0	0
15	0	0	0	0.004274	0	0	0	0
16	0.000263	0.000329	0	0.019527	0	0	0	0
17	0	0	0	0.005358	0	0	0	0
18	6.57E-05	0	0	0.014202	0	0	0	0
19	0	3.29E-05	0	0.011736	0	0	0	0
20	0.000394	0.000197	0	0.006969	0	0	0	0
21	0.000197	0	0	0.001315	0	0	0	0
22	0.000131	0.00023	0	0.004701	0	0	0	0
23	0	0	0	0.013873	0	0	0	0
24	0.000625	0.00046	0	0.004734	0	0	0	0
25	3.29E-05	0	0	0.020842	0	0	0	0
26	0.000197	0.000131	0	0.019922	0	0	0	0
27	0	6.57E-05	0	0.005589	0	0	0	0
28	0	0	0	0.035668	0	0	0	0
29	0	0.00046	0	0.005063	0	0	0	0
30	0	0	0	0.002761	0	0	0	0
31	0	6.57E-05	0	0.005786	0	0	0	0
32	0	0	0	0.026398	0	0	0	0
33	0	0	0	0.012689	0	0	0	0
34	0	0	0	0.003386	0	0	0	0
35	0	0	0	0.018377	0	0	0	0
36	0	0	0	0.037345	0	0	0	0
37	0	0	0	0.006739	0	0	0	0
38	0	0	0	0.015845	0	0	0	0
39	0	0	0	0.001644	0	0	0	0
40	0	0	0	0.00069	0	0	0	0
41	0	0	0	0.000263	0	0	0	0
42	0	0	0	0.010191	0	0	0	0
43	0	0	0	0.000164	0	0	0	0
44	0	0	0	0.000329	0	0	0	0
45	0	0	0	0.000723	0	0	0	0
46	0	0	0	0.000329	0	0	0	0
47	0	0	0	0.009698	0	0	0	0
48	0	0	0	0.002926	0	0	0	0
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2	0	0	0	0.0119	0	0	0	0
3	0	0	0	0.005161	0	0	0	0
4	0	0	0	0.001611	0	0	0	0
5	0	0	0	0.000756	0	0	0	0
6	0	0	0	0.011079	0	0	0	0
7	0	0	0	0.004438	0	0	0	0
8	0	0	0	0.031362	0	0	0	0
9	0.000197	6.57E-05	0	0.029751	0	3.29E-05	0	0
10	0.000164	0	0	0.063809	0	0	0	0
11	3.29E-05	0	0	0.008745	0	0	0	0
12	0	0	0	0.125678	0	0	0	0
13	0	9.86E-05	0	0.076005	0	0	0	0
14	0	0	0	0.157763	0	0	0	0
15	3.29E-05	0	0	0.086854	0	0	0	0
16	0	0	0	0.013906	0	0	0	0
17	0.00023	0.000164	0	0.090108	0	0	0	0
18	0	0	0	0.049015	0	0	0	0
19	0	0	0	0.024163	0	0	0	0
20	6.57E-05	0	0	0.041389	0	0	0	0
21	0	0	0	0.005753	0	0.000131	0	0
22	0	0	0	0.007101	0	6.57E-05	0	0
23	0	0	0	0.003353	0	0	0	0
24	3.29E-05	0	0	0.015582	0	0	0	0
25	0	0	0	0.014498	0	0	0	0
26	0	0	0	0.003912	0	0	0	0
27	0	0	0	0.009172	0	0	0	0
28	0	3.29E-05	0	0.057727	0	0	0	3.29E-05
29	0	0	0	0.008186	0	0	0	0
30	0	0	0	0.010027	0	0	0	0
31	0	0	0	0.02173	0	0	0	0
32	0	0	0	0.010454	0	0	0	0
33	0	0	0	0.018673	0	0	0	0
34	0	3.29E-05	0	0.004175	0	0	0	0
35	0	0	0	0.004339	0	0	0	0
36	0	0	0	0.01052	0	0	0	0
37	0	0	0	0.003583	0	0	0	0
38	0	0	0	0.004011	0	0	0	0
39	0	0	0	0.017949	0	0	0	0
40	0	0	0	0.031954	0	0.00023	0	0
41	0	0	0	0.064401	0	0.000197	0	0
42	0	0	0	0.027121	0	0	0	0
43	3.29E-05	0	0	0.0048	0	0	0	0
44	0	6.57E-05	0	0.015648	0	0	0	0
45	0	0	0	0.006608	0	0	0	0
46	0	0	0	0.009961	0	0	0	0
47	0	0	0	0.005227	0	0	0	0
48	0	0	0	0.000263	0	0	0	0
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2	0	0	0	0.001611	0	0	0	0
3	0	0	0	0.008219	0	0	0	0
4	0	0	0	0.010881	0	0	0	0
5	0	0	0	0.023374	0	0	0	0
6	0	0	0	0.009632	0	0	0	0
7	0	0	0	0.012591	0	0	0	0
8	0	0	0	0.012591	0	0	0	0
9	0	3.29E-05	0	0.01006	0	0	0	0
10	0	0	0	0.004504	0	0	0	0
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6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
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11	0	0	0	0	0	0	0	0	0
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14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	6.57E-05	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
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21	0	0	0	0	0	0	0	0	0
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23	0	0	0	0	0	0	0	0	0
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43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	3.29E-05	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	3.29E-05	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
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57	0	0	0	0	0	0	0	0	0
58									
59									
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1									
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3	0	0	0	0	0	0	0	0	0
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7	0	0	0	0	0	0	0	0	0
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23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	3.29E-05	0
25	0	0	0	0	0	0	0	0	0
26	0	0	3.29E-05	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
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36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	3.29E-05	0	0	0	3.29E-05
40	0	0	0	0	3.29E-05	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
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44	0	0	0	0	0	0	0	0	0
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46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	6.57E-05	0	0
50	0	0	0	0	0	0	0	0	3.29E-05
51	0	0	0	0	0	0	6.57E-05	0	0
52	0	0	0	0	0	0	0	0	0
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54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0.000263	0	0
57	0	0	0	0	0	0	3.29E-05	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0.000131	0	0
3	0	0	0	0	0	0	0	0	0
4	6.57E-05	0	3.29E-05	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
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21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	6.57E-05	0	0	0	0
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42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	6.57E-05	0	0	0	0
47	0.00023	0	0	0	0	0	0	0	0
48	3.29E-05	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
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53	0	0	0	0	0	0	0	0	0
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56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
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8	0	0	0	0	0	0	0	0	0
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13	0	0	0	0	0	0	0	0	0
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18	0	0	0	0	6.57E-05	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
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23	0	0	0	0	0	0	0	0	0
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30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	3.29E-05	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
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53	0	0	0	0	0	0	0	0	0
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56	0	0	0	0	0	0.000131	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	3.29E-05	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	6.57E-05	0	0	0	0	6.57E-05	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0.000131	0	0	0	0	0	0	0	0
16	0	0	0	0	0	6.57E-05	0	0	0
17	0	0	0	0	0	0	0	0	0
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19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
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23	0	0	0	0	0	0	0	0	0
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32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	6.57E-05	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
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40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	6.57E-05	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
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48	0	0	0	0	0	0	0	0	0
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50	0	0	0	0	0	0	0	0	0
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52	0	0	0	0	0	0	0	0	0
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56	0	0	0	6.57E-05	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
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3	0	0	0	0	0	0	0	0	0
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21	0	0	0	0	0	0	0	0	0
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23	0	0	0	0	0	0	0	0	0
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30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
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36	0	0	0	0	0	0	0	0	0
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40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	3.29E-05	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0.000131	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

[illegible]

1									
2									
3									
4	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri
5	0	0	3.29E-05	0	0	0	0	0	0.000559
6	0	0	0	0	0	0	0	0	0.00023
7	0	0	0	0	0	0	0	0	0.000427
8	0	0	0	0	0	0	0	0.001118	0.000131
9	0	0	0	0	0	0	0	0.000329	0.000197
10	0	0	0	0	0	0	0	3.29E-05	0
11	0	0	0	0	0	0	0	0.000855	0.000592
12	0	0	0	0	0	0	0	0.000362	0.000164
13	0	6.57E-05	0	0	0	0	0	0.00092	0.000756
14	0	0	0	0	0	0	0	0.00023	0.001216
15	0	0	0	0	0	0	0	0	0.000362
16	0	0	0	0	0	0	0	6.57E-05	9.86E-05
17	0	0	0	0	0	0	0	0	0.01052
18	3.29E-05	0	0	0	0	0	9.86E-05	0	0.003978
19	0	0	0	0	0	0	0.000197	0	0.0024
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	9.86E-05	0	0.002959
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	3.29E-05	0	0
26	0	0	0	0	0	0	0	0	0.002663
27	0	0	0	0	0	0	0	0	0.007725
28	0	0	0	0	0	0	0	0	0.000526
29	0	0	0	0	0	0	0	0	0.000131
30	0	0	0	0	0	0	0	0	0.001183
31	0	0	0	0	0	0	0	0	0.000427
32	0	0	0	0	0	0	0	0	0.001282
33	0	0	0	0	0	0	0	0	0.002597
34	0	0	0	0	0	0	0	0	0.002498
35	0	0	0	0	0	0	0	0	0.000164
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0.000131
38	0	0	0	0	0	0	0	0	0.001216
39	0	0	0	0	0	0	0	6.57E-05	0.000559
40	0	0	0	0	0	0	0	6.57E-05	0.001709
41	0	0	0	0	0	0	0	3.29E-05	0.001085
42	0	0	9.86E-05	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0.001183
44	0	0	0	0	0	0	0	0	0.000164
45	0	0	0	0	0	0	0	0	0.000197
46	0	0	0	0	0	0	0	9.86E-05	3.29E-05
47	0	0	0	0	0	0	0	0	0.001019
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0.003189
50	0	0	0	0	0	0	0	0	
51	0	0	0	0	0	0	0	0	
52	0	0	0	0	0	0	0	0	
53	0	0	0	0	0	0	0	0	
54	0	0	0	0	0	0	0	0	
55	0	0	0	0	0	0	0	0	
56	0	0	0	0	0	0	0	0	
57	0	0	0	0	0	0	0	0	
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0.000164	6.57E-05
4	0	0	0	0	0	0	0	3.29E-05	0
5	0	0	0	0	0	0	0	0.000131	0.001249
6	0	0	0	0	0	0	0	0.000296	9.86E-05
7	0	0	0	0	0	0	0	0	3.29E-05
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0.000164	0.000427
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0.000756
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0.00092	0.002071
21	0	0	0	0	0	0	0	0	3.29E-05
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0.000526
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	3.29E-05
29	0	0	0	0	0	0	0	0	0.000164
30	0	0	0	0	0	0	0	0	0.000263
31	0	0	0	0	0	0	0	0	0.000362
32	0	0	0	0	0	0	0	0	0.000131
33	0	0	0	0	0	0	6.57E-05	0	0.000131
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0.000362
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	3.29E-05
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0.000625
46	0	0	0	0	0	0	0	0	0.010914
47	0	0	0	0	0	0	0	0	0.002137
48	0	0	0	0	0	0	0	0	0.000131
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	9.86E-05
52	0	0	0	0	0	0	0	0.000131	0
53	0	0	0	0	0	0	0	0	0.005917
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0.000657
56	0	0	0	0	0	0	0	9.86E-05	0.000329
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0.000131	0.001151
3	0	0	0	0	0	0	0	0.000197	0.001348
4	0	0	0	0	0	0	0	0.000296	0.001315
5	0	0	0	0	0	0	0	0.000197	0.000493
6	0	0	0	0	0	0	0	9.86E-05	0.000131
7	0	0	0	0	0	0	0	0	0.000131
8	0	0	0	0	0	0	0	3.29E-05	6.57E-05
9	0	0	0	0	0	0	0	3.29E-05	6.57E-05
10	0	0	0	0	0	0	0	0.000296	0.00023
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	6.57E-05	0
14	0	0	0	0	0	0	0	0.000492	0.004144
15	0	0	0	0	0	0	0	0	0.000756
16	0	0	0	0	0	0	0	0	0.000197
17	0	0	0	0	0	0	0	0	0.000362
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	3.29E-05
22	0.000131	0	0	0	0	0	0	0	0.001512
23	0	0	0	0	0	0	0	0	3.29E-05
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	3.29E-05
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	3.29E-05	3.29E-05
38	0	0	0	0	0	0	0	0	9.86E-05
39	0	0	0	0	0	0	0	0	9.86E-05
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	6.57E-05
42	0	0	0	0	0	0	0	6.57E-05	0.000723
43	0	0	0	0	0	0	0	0	0.000164
44	0	0	0	0	0	0	0	3.29E-05	0.000329
45	0	0	0	0	0	0	0	3.29E-05	3.29E-05
46	0	0	0	0	0	0	0	0	0.000493
47	0	0	0	0	0	0	0	0.000131	0.000329
48	0	0	0	0	0	0	0	0	0.000362
49	0	0	0	0	0	0	0	0	6.57E-05
50	0	6.57E-05	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	6.57E-05	0.00023
52	3.29E-05	0	0	0	0	0	0	6.57E-05	0.000164
53	0	0	0	0	0	0	0	6.57E-05	0.000164
54	0	0	0	0	0	0	0	0.000164	0.000394
55	0	0	0	0	0	0	0	6.57E-05	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0.000131	0
3	0	0	0	0	0	0	0	0.000131	0.000131
4	0	0	0	0	0	0	0	0	0.000164
5	0	0	0	0	0	0	0	6.57E-05	0.000131
6	0	0	0	0	0	0	0	3.29E-05	0.000131
7	0	0	3.29E-05	0	0	0	0	3.29E-05	9.86E-05
8	0	0	0	0	0	0	0	0.000263	0.000625
9	0	0	0	0	0	0	0	0.00023	0.000855
10	0	0	0	0	0	0	0	3.29E-05	0.000855
11	0	0	0	0	0	0	0	0.000427	0.000131
12	0	0	0	0	0	0	0	0	6.57E-05
13	0	0	0	0	0	0	0	0	0.006706
14	0	0	0	0	0	0	0	0	0.00023
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0.000888
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	3.29E-05
24	0	0	0	0	0	0	0	0	3.29E-05
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	6.57E-05
27	0	0	0	0	0	0	0	0	0.00023
28	0	0	0	0	0	0	0	3.29E-05	0.001512
29	0	0	0	0	0	0	0	0	0.001019
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0.000493
32	0	0	0	0	0	0	0	0	0.00046
33	0	0	0	0	0	0	0	0	0.000723
34	0	0	0	0	0	0	0	0	0.000296
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	3.29E-05
37	0	0	0	0	0	0	0	0	0.003649
38	0	0	0	0	0	0	0	0.000625	0.000855
39	0	0	0	0	0	0	0	0	6.57E-05
40	0	0	0	0	0	0	0	0	0.00046
41	0	0	0	0	0	0	0	0	0.000329
42	0	0	0	0	0	0	0	0	0.000888
43	0	0	0	0	0	0	0	6.57E-05	0.019166
44	0	0	0	0	0	0	0	0	0.006509
45	0	0	0	0	0	0	0	6.57E-05	0.003485
46	0	0	0	0	0	0	0	0.000263	0.006279
47	0	0	0	0	0	0	0	0	0.000263
48	0	0	0	0	0	0	0	3.29E-05	0.004898
49	0	0	0	0	0	0	0	6.57E-05	0.004044
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0.00046
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0.00046
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	3.29E-05
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0.000789
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	9.86E-05
9	0	0	0	0	0	0	0	0	3.29E-05
10	0	0	0	0	0	0	0	0	0.000427
11	0	0	0	0	0	0	0	0	3.29E-05
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0.000131
16	0	0	0	0	0	0	0	0	6.57E-05
17	0	0	0	0	0	0	0	0.000493	0.00023
18	0	0	0	0	0	0	0.000164	0.001479	0.000625
19	0	0	0	0	0	0	0	0	0.00023
20	0	0	0	0	0	0	0	0	0.000329
21	0	0	0	0	0	0	0	0	6.57E-05
22	0	0	0	0	0	0	0	0	6.57E-05
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0.000197
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	3.29E-05	0	0	0	9.86E-05
32	0	0	0	0	0	0	0	0	0.001874
33	0	0	6.57E-05	0	0	0	0	0	0.000131
34	0	0	0	0	0	0	0	0	0.00092
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0.000427
37	0	0	0	0	0	0	0	0	0.000329
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0.000164
44	0	0	0	0	0	0	0	0	3.29E-05
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0.000296
50	0	0	0	0	0	0	0	6.57E-05	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0.000164
53	0	0	0	0	0	0	0	0	0.000394
54	0	0	0	0	0	0	0	0	0.000296
55	0	0	0	0	0	0	0	0	0.000427
56	0	0	0	0	0	0	0	0	0.001315
57	0	0	0	0	0	0	0	0	
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0.000164
3	0	0	0	0	0	0	0.000164	0	0.000625
4	0	0	0	0	0	0	0	0	3.29E-05
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0.000131
7	0	0	0	0	0	0	0	0	0.00286
8	0	0	0	0	0	0	0	0	0.000559
9	0	0	0	0	0	0	0	0	0.000131
10	0	0	0	0	0	0	0	0	0.001545
11	0	0	3.29E-05	0	0	0	0	0	0.001512
12	0	0	0	0	0	0	0	0	0.000296
13	0	0	0	0	0	0	0	0	0.000394
14	0	0	0	0	0	0	0	0	0.007791
15	0	0	0	0	0	0	0	0	0.000164
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	6.57E-05
19	0	0	0	0	0	0	0	0	6.57E-05
20	0	0	0	0	0	0	0	0	3.29E-05
21	0	0	0	0	0	0	0	0	3.29E-05
22	0	0	0	0	0	0	0	0	3.29E-05
23	0	0	0	0	0	0	0	0	6.57E-05
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0.000131
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	6.57E-05
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0.000263
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0.000559
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0.000197
43	0	0	0	0	0	0	0	0	0.000329
44	0	0	0	0	0	0	0	0	0.000263
45	0	0	0	0	0	0	0	0	0.000131
46	0	0	9.86E-05	0	0	0	0	0.000131	0.000394
47	0	0	0	0	0	0	0	0	0.003616
48	0	0	0	0	0	0	0	0	0.000263
49	0	0	0	0	0	0	0	0	6.57E-05
50	0	0	0	0	0	0	0	0	6.57E-05
51	0	0	0	0	0	0	0	0.000394	0.001118
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0.00023
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	3.29E-05	0.001151
3	0	0	0	0	0	0	0	0	6.57E-05
4	0	0	0	0	0	0	0	0	0.000592
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	3.29E-05
7	0	0	0	0	0	0	0	0	6.57E-05
8	0	0	0	0	0	0	0	0	0.000427
9	0	0	0	0	0	0	0.000296	0	0.001216
10	0	0	0	0	0	0	0.000197	0	0.002466
11	0	0	0	0	0	0	0.000131	0.001677	0.000723
12	0	0	0	0	0	0	0.000197	0.000625	0.001414
13	0	0	0	0	0	0	3.29E-05	3.29E-05	0.000329
14	0	0	0	0	0	0	0.000131	3.29E-05	0.001118
15	0	0	0	0	0	0	0.000131	0.001446	0.003222
16	0	0	0	0	0	0	6.57E-05	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0.000164	0.000164
19	0	0	0	0	0	0	0	0	0.000329
20	0	0	0	0	0	0	3.29E-05	0	0.000493
21	0	0	0	0	0	0	0	9.86E-05	0
22	0	0	0	0	0	0	0	3.29E-05	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0.000131	0.000131
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0.000131
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	9.86E-05
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0.000493
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0.00023
44	0	0	0	0	0	0	0	0	6.57E-05
45	0	0	0	0	0	0	0	0	0.000131
46	0	0	0	0	0	0	0	0	6.57E-05
47	0	0	0	0	0	0	0	0	0.00194
48	0	0	0	0	0	0	0	0.000131	0.000394
49	0	0	0	0	0	0	0	0	0.000756
50	0	0	0	0	0	0	0	0	6.57E-05
51	0	0	0	0	0	0	0	0	0.004898
52	0	0	0	0	0	0	0	0	0.001052
53	0	0	0	0	0	0	0	0	9.86E-05
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	6.57E-05	0.000526
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59									
60									

1									
2	0	0	0	0	0	0	0	0	0.002268
3	0	0	0	0	0	0	0	0	0.001118
4	0	0	0	0	0	0	0	0	0.000131
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	3.29E-05
11	0	0	0	0	0	0	3.29E-05	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0.000296
18	0	0	0	0	0	0	0	0	3.29E-05
19	0	0	0	0	0	0	0	0	6.57E-05
20	0	0	0	0	0	0	0	0	0.002794
21	0	0	0	0	0	0	0	0.003452	0.000362
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0.000756
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0.000427
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	6.57E-05	0	0	0
34	0	0	0	0	0	0	0	0	3.29E-05
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	6.57E-05
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0.003649
39	0	0	0	0	0	0	0	0	0.007265
40	0	0	0	0	0	0	0	0	0.030573
41	0	0	0	0	0	0	0	0	0.033334
42	0	0	0	0	0	0	0	0	0.003518
43	0	0	0	0	0	0	0	0	0.002301
44	0	0	0	0	0	0	0	0	0.000427
45	0	0	0	0	0	0	0	0	0.004109
46	0	0	0	0	0	0	0	0	0.000197
47	0	0	0	0	0	0	0	0	0.00023
48	0	0	0	0	0	0	0	0	9.86E-05
49	0	0	0	0	0	0	0	0	0.000362
50	0	0	0	0	0	0	0	0.000657	0.002367
51	0	0	0	0	0	0	0	0	0.00023
52	0	0	0	0	0	0	0	0	0.000756
53	0	0	0	0	0	0	0	0	0.004044
54	0	0	0	0	0	0	0	0	
55	0	0	0	0	0	0	0	0	
56	0	0	0	0	0	0	0	0	
57	0	0	0	0	0	0	0	0	
58									
59									
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1									
2	0	0	0	3.29E-05	0	0	0	0	0.00194
3	0	0	0	0	0	0	0	0	0.000822
4	0	0	0	0	0	0	0	0	0.000362
5	0	0	0	0	0	0	0	0	0.000953
6	0	0	0	0	0	0	0	0	0.000296
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0.000329
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	3.29E-05
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	9.86E-05
22	0	0	0	0	0	0	0	0	0.000362
23	0	0	0	0	0	0	0	0	9.86E-05
24	0	0	0	0	0	0	0	0	0.001216
25	0	0	0	0	0	0	0	0	0.000394
26	0	0	0	0	0	0	0	0	9.86E-05
27	0	0	0	0	0	0	0	0.000131	0.000197
28	0	0	0	0	0	0	0	0	3.29E-05
29	0	0	0	0	0	0	0	0	0.00069
30	0	0	0	0	0	0	0	0	0.00023
31	0	0	0	0	0	0	0	0	0.000756
32	0	3.29E-05	0	0	0	0	0	0	0.000164
33	0	0	0	0	0	0	0	0	6.57E-05
34	0	0	0	0	0	0	0	0	6.57E-05
35	0	0	0	0	0	0	0	0.000131	0
36	0	0	0	0	0	0	0	0.000296	0.000131
37	0	0	0	0	0	0	0	6.57E-05	9.86E-05
38	0	0	0	0	0	0	0	9.86E-05	9.86E-05
39	0	0	0	0	0	0	0	0	3.29E-05
40	0	0	0	0	0	0	0	0	0.00023
41	0	0	0	0	0	0	0	0	0.00881
42	0	0	0	0	0	0	0	0.000197	3.29E-05
43	0	0	0	0	0	0	0	0	0.00217
44	0	0	0	0	0	0	0	0	3.29E-05
45	0	0	0	0	0	0	0	0	0.000625
46	0	0	0	0	0	0	0	0	0.00046
47	0	0	0	0	0	0	0	0	0.001085
48	0	0	0	0	0	0	0	0	0.002071
49	0	0	0	0	0	0.000197	0	0	0.001677
50	0	0	0	0	0	0	0	0	0.000493
51	0	0	0	0	0	0	0	0.000329	0.000362
52	0	0	3.29E-05	0	0	0	0	0	0.000131
53									
54									
55									
56									
57									
58									
59									
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1									
2	0	0	0	0	0	0	0	0	9.86E-05
3	0	0	0	0	0	0	0	0	0.000526
4	0	0	0	0	0	0	0	0	0
5	0	6.57E-05	0	0	0	9.86E-05	0	0	0
6	0	0	0	0	0	0	3.29E-05	0	0
7	0	0	0	0	0	0	0	6.57E-05	0.000131
8	0	0	0	0	0	0	0.002038	0.00046	0.000394
9	0	0	0	0	0	0	0.000986	0.00023	0.000329
10	0	0	0	0	0	0	0.002729	0.000164	0.001019
11	0	0	0	0	0	0	0	9.86E-05	0.000559
12	0	0	0	0	0	0	0	0.00023	3.29E-05
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0.001611
15	0	0	0	0	0	0	0	0	0.00023
16	0	0	0	0	0	0	0	0	6.57E-05
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0.000592	3.29E-05
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	3.29E-05	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	3.29E-05	3.29E-05
30	0	0	0	0	0	0	0	6.57E-05	9.86E-05
31	0	0	0	0	0	0	0	0	0.000394
32	0	0	0	0	0	0	0	0	0.000164
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0.000131
35	0	0	0	0	0	0	0	0	0.002729
36	0	0	0	0	0	0	0	9.86E-05	6.57E-05
37	0	0	0	0	0	0	0	3.29E-05	3.29E-05
38	0	0	0	0	0	0	0	0.000197	6.57E-05
39	0	0	0	0	0	0	0	0	0.000493
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0.000526	0.002663
42	0	0	0	0	0	0	0	0.000723	0.008547
43	0	0	0	0	0	0	0	0	0.000131
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0.001151
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	6.57E-05	0
48	0	0	0	0	0	0	0	9.86E-05	3.29E-05
49	0	0	0	0	0	0	0	0.00023	6.57E-05
50	0	0	0	0	0	0	0	0	3.29E-05
51	0	0	0	0	0	0	0	0	0.000427
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59									
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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	6.57E-05
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0.000197
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	9.86E-05	0	0.002038
10	0	0	0	0	0	0	0	0	0.00526
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	6.57E-05	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0.000131	0	0
16	0	0	0	0	0	0	6.57E-05	0	0
17	0	0	0	0	0	0	0	0	0.001611
18	0	0	0	0	0	0	0.000362	3.29E-05	0.000427
19	0	0	0	0	0	0	0.002926	0	3.29E-05
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0.000756
22	0	0	0	0	0	0	0	0	0.000131
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0.000493
26	0	0	0	0	0	0	0	0	9.86E-05
27	0	0	0	0	0	0	0	0	0.000657
28	0	0	0	0	0	0	0	3.29E-05	0.000855
29	0	0	0	0	0	0	0	0.000427	0.000197
30	0	0	0	0	0	0	0	0	0.002301
31	0	0	0	0	0	0	0	0	0.002893
32	0	0	0	0	0	0	0	0	3.29E-05
33	0	0	0	0	0	0	0	0	0.000493
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	3.29E-05	0	0.00023
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0.000131	0.003649
38	0	0	0	0	0	0	0	0	0.00023
39	0	0	0	0	0	0	0	0	0.000559
40	0	0	0	0	0	0	0	0.000789	0.001611
41	0	0	0	0	0	0	0	0	0.001414
42	0	0	0	0	0	0	0	0	0.000526
43	0	0	0	0	0	0	0	0	0.002071
44	0	0	0	0	0	0	0	0	0.001545
45	0	0	0	0	0	0	0	0	0.000855
46	0	0	0	0	0	0	0	0	0.001118
47	0	0	0	0	0	0	0	0	0.001216
48	0	0	0	0	0	0	0	0	0.001249
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
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2	0	0	0	0	0	0	0	0	0.000164
3	0	0	0	0	0	0	0	0	0.000756
4	0	0	0	0	0	0	0	0	0.000493
5	0	0	0	0	0	0	0	0	0.000131
6	0	0	0	0	0	0	0	3.29E-05	0.001972
7	0	0	0	0	0	0	3.29E-05	0	0.00046
8	0	6.57E-05	0	0	0	0	0	0.000164	0.001183
9	0	0	0	0	0	0	0	3.29E-05	0.002301
10	0	0	0	0	0	0	0	0.00046	0.001709
11	0	0	0	0	0	0	0	0.001414	0.005194
12	0	0	0	0	0	0	0	0.001118	0.002794
13	0	0	0	0	0	0	3.29E-05	0.000493	0.000592
14	0	0	0	0	0	0	6.57E-05	0.00046	0.005589
15	0	0	0	0	0	0	0	0	0.000131
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	3.29E-05
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	3.29E-05
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	3.29E-05
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	3.29E-05
24	0	0	0	0	0	0	0	0	6.57E-05
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	6.57E-05
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	6.57E-05
29	0	0	0	0	0	0	0	0	6.57E-05
30	0	0	0	0	0	0	0	0	0.000164
31	0	0	0	0	0	0	0	0	0.000131
32	0	0	0	0	0	0	0	0	0.000197
33	0	0	0	0	0	0	0	0	0.000493
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0.000164
41	0	0	0	0	0	0	0	0	0.000263
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0.00046
44	0	0	0	0	0	0	0	0	6.57E-05
45	0	0	0	0	0	0	0	0	6.57E-05
46	0	0	0	0	0	0	0	0	0.000723
47	0	0	0	0	0	0	3.29E-05	3.29E-05	0.00092
48	0	0	0	0	0	0	0	0	0.000526
49	0	0	0	0	0	0	0	0.000164	0.000296
50	0	0	0	0	0	0	0	0	0.000131
51	0	0	0	0	0	0	9.86E-05	0	0.005161
52	0	0	0	0	0	0	0	3.29E-05	0.000625
53	0	0	0	0	0	0	0	0	3.29E-05
54	0	0	0	0	0	0	0	0	0.000164

1									
2	0	0	0	0	0	0	0.000263	0	0.000855
3	0	0	0	0	0	0	0	0	0.000394
4	0	0	0	0	0	0	0	0	0.001545
5	0	0	0	0	0	0	0	0	0.001315
6	0	0	0	0	0	0	0	0	0.000164
7	0	0	0	0	0	0	0	0	0.000164
8	0	0	0	0	0	0	0	0.000296	9.86E-05
9	0	0	0	0	0	0	0	0.000164	0.000329
10	0	0	0	0	0	0	0	0	6.57E-05
11	0	0	0	0	0	0	0	0.000427	0
12	0	0	0	0	0	0	0	0.000296	0
13	0	0	0	0	0	0	0	0.000526	9.86E-05
14	0	0	0	0	0	0	0	0.00023	0
15	0	0	0	0	0	0	0	0	0.000394
16	0	0	0	0	0	0	0	0	0.000493
17	0	0	0	0	0	0	0	0.000559	3.29E-05
18	0	0	0	0	0	0	0	6.57E-05	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	6.57E-05
21	0	0	0	0	0	0	0	0	3.29E-05
22	0	0	0	0	0	0	0	6.57E-05	0
23	0	0	0	0	0	0	0	9.86E-05	0.000329
24	0	0	0	0	0	0	0	0.000526	6.57E-05
25	0	0	0	0	0	0	0	9.86E-05	0
26	0	0	0	0	0	0	0		
27	0	0	0	0	0	0	0		
28	0	0	0	0	0	0	0		
29									
30									
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k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
0	0.000296	0	0	0.004504	0	0	0	0	0
0	0.000296	0	0	0.000493	0	0	0	0	0
0	0	0	0	0.002071	0	0	0	0	0
0	3.29E-05	0	0	0.002531	0	0	0	0	0
0	0.000394	0	0	0.002959	0	0	0	0	0
0	0	0	0	0.00046	0	0	0	0	0
0	0.000559	0	0	0.001709	0	0	0	0	0
0	0	0	0	0.000427	0	0	0	0	0
0	3.29E-05	0	0	0.001578	0	0	0	0	0
0	0.000329	0	0	0.001019	0	0	0	0	0
0	0	0	0	3.29E-05	0	0	0	0	0
0	0	0	0	0.000131	0	0	0	0	0
0	0	0	0	9.86E-05	0	0	0	0	0
0	0.008745	0.000362	0	0.000822	0	0	0	0	0
0	0.00263	0.001381	0	9.86E-05	0	0.000131	0	0	0
0	0.000197	0	0	0.000131	0	0	0	0	0
0	0.004011	0.000756	0	3.29E-05	0	0.000197	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0.000164	0.000362	0	3.29E-05	0	0	0	0	0
0	6.57E-05	0	0	0	0	0	0	0	0
0	0.000296	0	0	0.000197	0	0	0	0	0
0	0.004011	0	0	0.000855	0	0	0	0	0
0	0	0	0	0.000164	0	0	0	0	0
3.29E-05	0	0	0	0.000296	0	0	0	0	0
0	9.86E-05	0	0	0.000329	0	0	0	0	0
0	0	0	0	6.57E-05	0	0	0	0	0
3.29E-05	0.000197	0	0	0.000164	0	0	0	0	0
0	0.004898	0	0	0.002498	0	0.000164	0	0	0
0	0.008613	0	0	0.001348	0	0.000197	0	0	0
0	0.002005	0	0	0.00046	0	0	0	0	0
0	3.29E-05	0	0	0.001578	0	0	0	0	0
0	0.000657	0	0	0.000493	0	0	0	0	0
0	3.29E-05	0	0	0.001907	0	0.00023	0	0	0
0	0.000362	0.000789	0	0.001348	0	0.000131	0	0	0
0	0.000625	6.57E-05	0	0.003748	0	3.29E-05	0	0	0
0	0.000723	0.00023	0	0.002597	0	0.001249	0	0	0
0	0	0	0	0.000131	0	0	0	0	0
0	9.86E-05	0	0	0.001578	0	3.29E-05	0	0	0
0	0	6.57E-05	0	0.000394	0	0.000164	0	0	0
0	3.29E-05	3.29E-05	0	0.001348	0	0	0	0	0
0	3.29E-05	0.000427	0	0.001677	0	3.29E-05	0	0	0
0	0	0	0	0.000394	9.86E-05	0	0	0	0
0	0	0	0	0.000592	0	0	0	0	0
0	9.86E-05	0	0	0.000493	0	0	0	0	0

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2	0	0	0	0	0.001151	0	0	0	0
3	0	0	0	0	0.000296	0	0	0	0
4	0	0	0	0	0.000164	0	0	0	0
5	0	0	0	0	0.001874	0	0	0	0
6	0	0.000131	0	0	0.000723	0	0	0	0
7	0	0	0	0	0.000131	0	0	0	0
8	0	0	0	0	3.29E-05	0	0	0	0
9	0	0	0	0	0.000394	0	0	0	0
10	0	0	0	0	0.001118	0	0	0	0
11	0	0	0	0	0.004076	0	0	0	0
12	0	0	0	0	0.000822	0	0	0	0
13	0	0	0	0	0.000329	0	0	0	0
14	0	0	0	0	0.000394	0	0	0	0
15	0	0	0	0	0.000394	0	0	0	0
16	0	0	0	0	0.000394	0	0	0	0
17	0	0	0	0	0.000394	0	0	0	0
18	9.86E-05	0	0	0	0.000296	0	6.57E-05	0	0
19	0	0	0	0	0.001611	0	0	0	0
20	0.000263	0	0	0	0	0	0	0	0
21	0	0	0	0	0.000296	0	0	0	0
22	0	0	0	0	0.000296	0	0	0	0
23	3.29E-05	0	3.29E-05	0	0.000362	0	6.57E-05	0	0
24	0	0	0.000362	0	0.002071	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0.000329	0	0	0	0	0	0	0
27	0	0.006246	0.000131	0	0.000329	0	0	0	0
28	0	0.000296	0	0	3.29E-05	0	0	0	0
29	0	9.86E-05	0	0	0	0	0	0	0
30	0	0.000131	0	0	6.57E-05	0	0	0	0
31	0	0.000625	0	0	3.29E-05	0	0	0	0
32	0	3.29E-05	0	0	0	0	0	0	0
33	0	0.000164	3.29E-05	0	0.000394	0	0	0	0
34	0	0.00023	0	0	0	0	0	0	0
35	0	0	0	0	0.002827	0	0	0	0
36	0	0	0	0	0.00092	0	0	0	0
37	0	0	0	3.29E-05	0.00595	0	0	0	0
38	0	0	0	0	0.000657	0	0	0	0
39	0	0	0	0	0.001512	0	0	0	0
40	0	0	0	0	0.00046	0	0	0	0
41	0	0.00023	0	0	0.000362	0	0	0	0
42	0	0	0	0.001381	3.29E-05	0	0	0	0
43	0	0.00092	0	0	0.000493	0	0	0	0
44	0	0	0.000493	0	0.000789	0	0.000263	0	0
45	0	0	0	0	0.000559	0	0	0	0
46	0	0	0	0	0.000986	0	0	0	0
47	0	0	0	0	0.000953	0	0	0	0
48	0	0	0	0	0	0	0	3.29E-05	0
49	0	0	0	0	0	0	0	0	0
50	0	0.000329	0	0	0	0	0	0	0
51	0	0	0	0	0.001052	0	6.57E-05	0	0
52	0	0	0	0	0.001052	0	6.57E-05	0	0
53	0	0	0	0	0.001052	0	6.57E-05	0	0
54	0	0	0	0	0.001052	0	6.57E-05	0	0
55	0	0	0	0	0.001052	0	6.57E-05	0	0
56	0	0	0	0	0.001052	0	6.57E-05	0	0
57	0	0	0	0	0.001052	0	6.57E-05	0	0
58	0	0	0	0	0.001052	0	6.57E-05	0	0
59	0	0	0	0	0.001052	0	6.57E-05	0	0
60	0	0	0	0	0.001052	0	6.57E-05	0	0

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2	0	0	0	0	0.000986	0	0	0
3	0	0	0	0	0.001381	0	6.57E-05	0
4	0	0	0	0	0.001118	0	0.000164	0
5	0	0	0	0	0.000855	0	3.29E-05	0
6	0	0	0	0	0.000394	0	0	0
7	0	0	0	0	3.29E-05	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0.000197	0	0	0
10	0	0	0	0	0.000164	0	0	0
11	0	0	0	0	6.57E-05	0	0	0
12	0	0	0	0	0.000789	0	0	0
13	0	0	0	0	0.000197	0	0	0
14	0	0	0	0	0	0	0	0
15	0	0	0	0	0.000131	0	0	0
16	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0
19	0	0	0	0.000263	3.29E-05	0	0.000263	0
20	0	3.29E-05	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0
22	0	6.57E-05	0	9.86E-05	6.57E-05	0	0	0
23	0	0.000329	0	0	0	0	0	0
24	0	0	0	0	0.000263	0	6.57E-05	0
25	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0
27	0	0	0	0	0.000723	0	3.29E-05	0
28	0	0	0	0	0.000197	0	9.86E-05	0
29	0	0	0	0	0.000822	0	0.000164	0
30	0	0	0	0	6.57E-05	0	0	0
31	0	0	0	0	0.00023	0	0	0
32	0	0	0	0	0	0	0	0
33	0	0	0	0	3.29E-05	0	0	0
34	0	0	3.29E-05	0	3.29E-05	0	0	0
35	0	0	0	0	0.000625	0	0	0
36	0	0.00023	3.29E-05	0	0.001216	0	0	0
37	0	0.00023	0.000131	0	0.001315	0	0	0
38	0	0.000131	0.000131	6.57E-05	0.002005	0	0.000131	0
39	0	9.86E-05	0.000131	0	0.000427	0	0	0
40	0	0.00069	0.000164	0	0.00023	0	6.57E-05	0
41	0	9.86E-05	6.57E-05	0	0.000362	0	0	0
42	0	3.29E-05	0.000197	0	0.001118	0	0	0
43	0	0.00023	0.000329	0	0.00069	0	0	0
44	0	0	0.000296	0	3.29E-05	0	3.29E-05	0
45	0	6.57E-05	0.00023	0	0	0	3.29E-05	0
46	0	0	0	0	0	0	0	0
47	0	3.29E-05	0	0	0.001183	0	0.000131	0
48	0	0	0	0	0.000394	0	6.57E-05	0
49	0	3.29E-05	0	0	0.001019	0	9.86E-05	0
50	0	0	0.000362	0	0.000362	0	6.57E-05	0

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2	0	0	0	0	0.001085	0	9.86E-05	0	0
3	0	0	0	0	0.001644	0	0	0	0
4	3.29E-05	0	0	0	0.003287	0	6.57E-05	0	0
5	0	0	0	0	0.001019	0	6.57E-05	0	0
6	9.86E-05	0	0	0	0.000493	0	0	0	0
7	0	0	0	0	0.000131	0	0	0	0
8	0	0	0	0	0.000559	0	0	0	0
9	0	3.29E-05	0	0	0.000986	0	0	0	0
10	0	0	0	0	0.001348	0	0	0	0
11	0	0	0	0	0.001874	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0.000329	0	0	0	0	0	0	0
14	0	0.001315	0	0	0	0	0	0	0
15	0	0.001414	0	0	0	0	0	0	0
16	0	0.002433	0	0	0	0	0	0	0
17	0	0.001479	0	0	0	0	0	0	0
18	0	0.000131	0	0	3.29E-05	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0.000131	0	0	3.29E-05	0	0	0	0
21	0	0.003057	0	0	0.002203	0	0	0	0
22	0	3.29E-05	0	0	0.000362	0	0	0	0
23	0	0.005161	0	0	0.000427	0	0	0	0
24	0	3.29E-05	0.000164	0	0.000329	0	0.00023	0	0
25	0	0	0	0	0.001348	0	0	0	0
26	0	0	0.00023	0	0.000394	0	0	0	0
27	0	0	0	0	9.86E-05	0	3.29E-05	0	0
28	0	6.57E-05	6.57E-05	0	0.000131	0	0	0	0
29	0	9.86E-05	0.000394	0	6.57E-05	0	0	0	0
30	0	0.000296	3.29E-05	0	0.00023	0	0.000263	0	0
31	0	0	0	0	0.00023	0	0	0	0
32	0	0.000756	0	0	0	0	0	0	0
33	0	6.57E-05	0	0	6.57E-05	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	3.29E-05	0	0	0.001578	0	0	0	0
36	0	0	0	0	0.001677	0	0	0	0
37	0	0	0.000164	0	9.86E-05	0	0	0	0
38	0	6.57E-05	0	0	0.000131	0	0	0	0
39	0	0	0.00023	0.000296	3.29E-05	3.29E-05	0	0	0
40	0	0	0	0	0.002597	0	0	0	0
41	0	3.29E-05	0	0	0.001907	0	0	0	0
42	0	3.29E-05	0	0	0.000822	0	0	0	0
43	0	0	0	0	0.001315	0	0	0	0
44	0	0	0	0	0.003583	0	0	0	0
45	0	0	0	0	0.001512	0	0	0	0
46	0	0	0	0	0.000526	0	0	0	0
47	0	9.86E-05	0	0	3.29E-05	0	0	0	0
48	0	0.000164	0	0	0	0	0	0	0
49									
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2	0	0.000197	0	0	6.57E-05	0	0	0
3	0	0	0	0	0	0	0	0
4	0	0.000263	0	0	9.86E-05	0	0	0
5	0	3.29E-05	0	0	3.29E-05	0	0	0
6	0	0	0	0	3.29E-05	0	0	0
7	0	0	0	0	3.29E-05	0	0	0
8	0	0.000131	6.57E-05	0	0.001874	0	0	0
9	0	0.000131	0	0	0.001512	0	0	0
10	0	0.000197	0	0	0.00023	0	0	0
11	0	9.86E-05	0	0	0.002038	0	0	0
12	0	0.000164	0.000394	0	0.00046	0	0	0
13	0	0.000164	0	0	0.000131	0	0	0
14	0	0	0	0	0.000131	0	6.57E-05	0
15	0	0	0	0	0.000164	0	0	0
16	0	0.00023	0.000164	0	0.00092	0	0.00023	0
17	0	0.00194	0.000263	0	0.000789	0	0	0
18	0	0	0	0	6.57E-05	0	0	0
19	0	0	0	0	0.00023	0	0	0
20	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0
23	0	0	0	0	0.000197	0	0	0
24	0	0	0	0	6.57E-05	0.000197	0	0
25	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0
28	0	0	0	0	3.29E-05	0	0	0
29	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0
32	0	0	0	0	0.000592	0	0	0
33	0	0	0	0	0	0	0	0
34	0	0.000592	6.57E-05	0	0.001381	0	3.29E-05	0
35	0	0	0	0	0.000362	0	0	0
36	0	0	0	0	0.000362	0	0	0
37	0	0	3.29E-05	0	0.000953	0	0	0
38	0	0	3.29E-05	6.57E-05	0	0	0	0
39	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0
41	0	0	0	0	0.000263	0	0	0
42	0	0	9.86E-05	0	0.003353	0	0	0
43	0	0	0	0	0.000394	0	0	0
44	0	0	6.57E-05	0	0.000723	0	0	0
45	0	0	0	0	0.000756	0	0	0
46	0	0	6.57E-05	0	0.001183	0	3.29E-05	0
47	0	3.29E-05	0	0	0.000329	0	0	0
48	0	0	0	0	0.001874	0	0	0
49	0	0.000296	0.000329	0	6.57E-05	0	0.00069	0
50	0	0.000625	0.000263	0	0.00069	0	3.29E-05	0
51	0	0.000131	6.57E-05	0	0.00069	0	9.86E-05	0
52	0	9.86E-05	0.000559	0	0.000296	0	3.29E-05	0
53	0	0	9.86E-05	0	0.001151	0	0	0
54	0	0	6.57E-05	0	3.29E-05	0	0.000362	0
55	0	0	6.57E-05	0	3.29E-05	0	0.000362	0
56	0	0	6.57E-05	0	3.29E-05	0	0.000362	0
57	0	0	6.57E-05	0	3.29E-05	0	0.000362	0
58	0	0	6.57E-05	0	3.29E-05	0	0.000362	0
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2	0	0	0	6.57E-05	0.000329	0	9.86E-05	0	0
3	0	0.000394	0	0	0	0	0	0	3.29E-05
4	0	0	0	0	0.00023	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	3.29E-05	0	0
9	0	0.00046	0	0	0.000263	0	0.000362	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0.00046	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0.000789	0	0	0	0.000756	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0.000427	0	0	0	0.000822	0	0
18	0	0	0	0	0.00194	0	0.000164	0	0
19	0	0	0	0	0.001479	0	3.29E-05	0	0
20	0	0	0	0	0.001611	0	0	0	0
21	0	0	0	0	0.000394	0	3.29E-05	0	0
22	0	0	0	0	0.000756	0	0	0	0
23	0	0	0	0	0.000756	0	0	0	0
24	0	0	3.29E-05	0	0.001578	0	9.86E-05	0	0
25	0	0	3.29E-05	0	0.001381	0	6.57E-05	0	0
26	0	0	6.57E-05	0	0.000493	0	0	0	0
27	0	0	0	0	9.86E-05	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	3.29E-05	0	0	0	0
31	0	0	0	0	0.000131	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	3.29E-05	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	9.86E-05	0	0	6.57E-05	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0.00023	0	0	0	0	0	0	0
39	0	3.29E-05	0	0	0	0	0	0	0
40	0	0	6.57E-05	0	6.57E-05	0	0	0	0
41	0	6.57E-05	0	0	0	0	0	0	0
42	0	9.86E-05	6.57E-05	0	0.00023	0	0	0	0
43	0	9.86E-05	3.29E-05	0	0.000723	0	3.29E-05	0	0
44	0	0.001315	0	0	9.86E-05	3.29E-05	0	0	0
45	0	0.000296	3.29E-05	0	0.000789	0	0	0	0
46	0	0	0.000131	0	0.001479	0	0.000427	0	0
47	0	9.86E-05	9.86E-05	0	0.000822	0	3.29E-05	0	0
48	0	6.57E-05	6.57E-05	0	0.000493	0	0	0	0
49	0	0.002071	6.57E-05	0	0.001414	0	0	0	0
50	0	0.002564	0	0	6.57E-05	0	0	0	0
51	0	0	0.000197	0	3.29E-05	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	6.57E-05	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	6.57E-05	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
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2	0	0	0.000296	0	0.000164	0	0	0
3	0	6.57E-05	6.57E-05	0	0.000131	0	0	0
4	0	0	0	0	0.00023	0	0	0
5	0	6.57E-05	0	0	0.005161	0	0	0
6	0	0	0	0	0.000427	0	3.29E-05	0
7	0	0	0	0	0.00046	0	0	0
8	0	0.0024	0.00069	0	0.000986	0	0.000131	0
9	0	0.001611	0.00023	0	0.001578	0	0.000263	0
10	0	0.009369	0.000953	0	0.007528	0	0.003879	0
11	0	0.005194	0.000789	0	0.002794	0	0.000427	0
12	0	0.000493	0.00023	6.57E-05	0.00023	0	0.000131	0
13	0	0.002104	0.001118	0	0.00023	0	3.29E-05	0
14	0	0.007002	0.002268	0	0.002367	0	0.000657	0
15	0	0.003583	0.001118	0	0.001808	0	0.000756	0
16	0	0	0	0	6.57E-05	0	0	0
17	0	0	0	0	0.00046	0	0	0
18	0	0	0	9.86E-05	3.29E-05	0	0	0
19	0	0	0	0	0.00023	0	0	0
20	0	0	0	0	0	0	0	0
21	0	0	0	0	0.000131	0	0	0
22	0	0	0	0	3.29E-05	0	0	0
23	0	0	0	0	3.29E-05	0	0	0
24	0	0	0	0	0.000131	0	0	0
25	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0
34	0	0	0	0	6.57E-05	0	0	0
35	0	0	3.29E-05	0	0.000197	0	0	0
36	0	0	0	0	6.57E-05	0	0	0
37	0	0	0	0	0	0	0	0
38	0	0	0	0	0.000197	0	0	0
39	0	0	0	0	0.000362	0	0	0
40	0	6.57E-05	0	0	0.000296	0	0	0
41	0	0	0	0	0.000394	0	0	0
42	0	0	0	0	0	0	0	0
43	0	0.000559	3.29E-05	0	0.000329	0	0	0
44	0	3.29E-05	0	0	6.57E-05	0	0	0
45	0	0.000427	0	0	0.000329	0	0	0
46	0	0.000263	0	0	3.29E-05	0	0	0
47	0	0.000526	0	0	0.000296	0	0	0
48	0	9.86E-05	0	0	0	0	0	0
49	0	0.000197	0.000263	0	0.000493	0	0	0
50	0	0.00023	0	0	9.86E-05	0	0	0
51	0	3.29E-05	0.000329	0.000164	0.001709	0	0.001052	0
52	0	0	0	0	0.000164	0	0	0
53	0	3.29E-05	0.000723	0	0.000723	0	6.57E-05	0
54								
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2	0	3.29E-05	0.001348	0	0.001446	0	9.86E-05	0
3	0	0	0.000427	0	0.001414	0	3.29E-05	0
4	0	0	0	0	0.002104	0	0.000164	0
5	0	0	0	0	0.002071	0	0	0
6	0	0	0	0	0.002564	0	0	0
7	0	0	0	0	0.000855	0	0	0
8	0	0	0	0	0.001118	0	0	0
9	0	0	0	0	0.000263	0	0	0
10	0	0	0	0	0.002071	0	0	0
11	0	0	0	0	0.000855	0	0	0
12	0	0	0	0	0.001907	0	0	0
13	0	0	0	0	0.000131	0	0	0
14	0	0	0	0	0.001841	0	0	0
15	0	0	0	0	0.000592	0	0	0
16	0	0	0	0	9.86E-05	0	0	0
17	0	0	0	0	0.00023	0	0	0
18	0	0.000164	0.000329	0	0.002498	0	0	0
19	0	0.000263	0	0	0.003912	0	0	0
20	0	0	0	0	0.004405	0	0	0
21	0	0.001216	0	0	3.29E-05	0	0	0
22	0	0	0	0	3.29E-05	0	0	0
23	0	0	3.29E-05	0	0.00069	0	3.29E-05	0
24	0	3.29E-05	0	0	6.57E-05	0	0	0
25	0	0	0	0	0.000427	0	0	0
26	0	0	0	0	6.57E-05	0	3.29E-05	0
27	0	3.29E-05	0	0	0.000164	0	3.29E-05	0
28	0	0	6.57E-05	0	0.000197	0	0	0
29	0	0.000263	0	0	0.000394	0	0.000131	0
30	0	0	3.29E-05	0	0.000559	0	0	0
31	0	3.29E-05	3.29E-05	0	9.86E-05	0	0.000263	0
32	0	3.29E-05	0.000164	0	0.000888	0	0.000427	0
33	0	0.005358	0.000394	0	0.002827	0	0	0
34	0	0.008087	9.86E-05	0	0.000953	0	0	0
35	0	0.009928	0	0	0.000888	0	0	0
36	0	0.031559	0.00023	0	0.003222	0	0	0
37	0	0.00355	0	0	6.57E-05	0	0	0
38	0	0.006969	0	0	0.001742	0	0	0
39	0	0.000953	0.000953	0	0.000592	0	0	0
40	0	0.010125	0	0	6.57E-05	0	0	0
41	0	0	0	0	0	0	0	0
42	0	0	0	0	3.29E-05	0	0	0
43	0	0	0	0	0	0	0	0
44	0	0	0	0	0.001151	0	0.000657	0
45	0	0.000559	0.000296	0	6.57E-05	0	0	0
46	0	0	9.86E-05	0	6.57E-05	0	0.000362	0
47	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0
59								
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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0.000953	0	0	0	0
4	0	0	0	0	6.57E-05	0	0	0	0
5	0	0.000263	0	0	0.000131	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	9.86E-05	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	3.29E-05	0	0	0	0	0	0
22	0	0.000296	0.000131	0	0.000263	0	0	0	0
23	0	0	3.29E-05	0	3.29E-05	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0.000329	0	0	0	0
26	0	6.57E-05	0	0	0.00069	0	0	0	0
27	0	0.000197	0	0	6.57E-05	0	0	0	0
28	0	0	0	0	6.57E-05	0	0	0	0
29	0	3.29E-05	0	0	0	0	0	0	0
30	0	0	0	0	0.000329	0	0	0	0
31	0	0	0	0	0.000362	0	0	0	0
32	0	3.29E-05	0.000296	0	0.001479	0	6.57E-05	0	0
33	0	9.86E-05	6.57E-05	0	0.000197	0	0	0	0
34	0	6.57E-05	3.29E-05	0	0.00217	0	9.86E-05	0	0
35	0	0.000362	0.000394	0	0.00217	0	0	0	0
36	0	0	3.29E-05	0	0.000164	0	0	0	0
37	0	0.000362	0.000296	0	0.000625	0	0.000526	0	0
38	0	3.29E-05	0	0	0.000131	0	0	0	0
39	0	0	0.000296	0	0.000657	0	3.29E-05	0	0
40	0	0	0	0	9.86E-05	0	0	0	0
41	0	0.000197	0.000362	0	0.001348	0	3.29E-05	0	0
42	0	0.00023	0.00023	0	0.00023	0	0	0	0
43	0	0	0	0	0	0	9.86E-05	0	0
44	0	0.000362	0	0	0.00069	0	9.86E-05	0	0
45	0	0.000131	6.57E-05	0	9.86E-05	0	6.57E-05	0	0
46	0	0.000131	6.57E-05	0	9.86E-05	0	0.000197	0	0
47	0	0.000329	9.86E-05	0	6.57E-05	0	0.000427	0	0
48	0	0.000131	0	0	0	0	0	0	0
49	0	0.000329	0	0	0	0	0	0	0
50	0	0.000625	0	0	0.000263	0	0	0	0
51	0	0.001775	6.57E-05	0	0.000131	0	0	0	0

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2	0	0.000329	0	0	0.000164	0	0	0
3	0	0.000789	0	0	0.000592	0	0	0
4	0	6.57E-05	0	0	0	0	0	0
5	0	0.002992	0	0	0.000526	0	0	0
6	0	0.000164	0.000131	0.000263	3.29E-05	0	0	0
7	0	0.000131	6.57E-05	0	0.000986	0	0.00023	0
8	0	0.000559	0	0	0.000362	0	0	0
9	0	0.000296	3.29E-05	0	0.000723	0	6.57E-05	0
10	0	0.000986	9.86E-05	0	0.00092	0	0.000592	0
11	0	0.000164	0	0	0.000625	0	0.000131	0
12	0	3.29E-05	3.29E-05	0	0.002038	0	0.000131	0
13	0	3.29E-05	0	0	0.004767	0	0	0
14	0	0	0.000131	0	0.001446	0	0	0
15	0	6.57E-05	0.001085	0	0.00046	0	0.001085	0
16	0	0	3.29E-05	0	0.001151	0	9.86E-05	0
17	0	0	3.29E-05	0	6.57E-05	0	6.57E-05	0
18	0	9.86E-05	0	0	0.001972	0	0	0
19	0	0	0	0	0.002137	0	3.29E-05	0
20	0	0	0.000131	0	0.001085	0	6.57E-05	0
21	0	0	6.57E-05	0	0	0	0	0
22	0	0	6.57E-05	0	0.000953	0	6.57E-05	0
23	0	0	0	0	0.002992	0	0	0
24	0	0	0	0	0.001446	0	0	0
25	0	0	0	0	0.003222	0	0	0
26	0	0	0	0	0.002268	0	3.29E-05	0
27	0	0	0	0	0.000756	0	3.29E-05	0
28	0	0	0	0	0	0	0	0
29	0	0	0	0	0.000592	0	0	0
30	0	0	0	0	6.57E-05	0	0	0
31	0	0	0	0	0.000822	0	0.000164	0
32	0	0	0.000559	0	0.002926	0	0.001249	0
33	0	0	3.29E-05	0	0.000592	0	0.000131	0
34	0	9.86E-05	3.29E-05	0	0.001381	0	0.000296	0
35	0	0.003846	6.57E-05	0	0.00023	0	0	0
36	0	0	0	0	0.000263	0	0	0
37	0	0	0	0	0.003912	0	0	0
38	0	3.29E-05	3.29E-05	6.57E-05	0.000197	0	0	0
39	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0
46	0	0.000263	0	0	9.86E-05	0	0	0
47	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0
50	0	0.000263	0	0	9.86E-05	0	0	0
51	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0
56	0	6.57E-05	0.000296	0	0.001052	0	0.000131	0
57	0	0	0	0	0.001644	0	0.000723	0
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2	0	9.86E-05	3.29E-05	0	0.002104	0	0	0	0
3	0	0.00023	0.000131	0	0.001578	0	0	0	0
4	0	0	3.29E-05	0	0.000559	0	0	0	0
5	0	0	6.57E-05	0	0	0	0	0	0
6	0	0	0.000329	0	6.57E-05	0	0	0	0
7	0	0	0	0	0.006641	0	0	0	0
8	0	0.001052	0	0	0.000164	0	0	0	0
9	0	0.009271	0	0	0.001446	0	0	0	0
10	0	0.001085	0	0	0.000164	0	0	0	0
11	0	0	0	0	0.00046	0	0	0	0
12	0	0.000394	0	0	0.000131	0	0	0	0
13	0	0.000526	0	0	0.00023	0	0	0	0
14	0	0.000723	0	0	0	0	0	0	0
15	0	0.000197	0	0	6.57E-05	0	0	0	0
16	0	0.001841	0	0	0.00069	0	0	0	0
17	0	0.002268	0	0	0.000888	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0.000362	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	3.29E-05	0	0	0	3.29E-05	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0.00023	0	0	0.000625	0	6.57E-05	0	0
26	0	0.003123	0	0	0.000855	0	0	0	0
27	0	0.000164	3.29E-05	0	0.000362	0	0	0	0
28	0	0	0.000559	0	0.001052	0	9.86E-05	0	0
29	0	0	0.000855	0	0.000986	0	0	0	0
30	0	6.57E-05	0	0	0.000822	0	0	0	0
31	0	3.29E-05	0	6.57E-05	0.000164	0	0	0	0
32	0	0	0	0	0.000263	0	0	0	0
33	0	3.29E-05	0	0	6.57E-05	0	9.86E-05	0	0
34	0	0	0.000756	0	0.000131	0	3.29E-05	0	0
35	0	0.000855	0.000362	0	0.000625	0	6.57E-05	0	0
36	0	0	0	0	0.000296	0	0	0	0
37	0	9.86E-05	9.86E-05	0	0.000131	0	6.57E-05	0	0
38	0	0.000362	0	0	0.000723	0	0	0	0
39	0	0.000197	0	0	0	0	0	0	0
40	0	0.000855	0.000164	0	0.000625	0	0	0	0
41	0	0.000953	0.000362	0	0.000329	0	0	0	0
42	0	0	0.000362	0	0.000888	0	0.000164	0	0
43	0	0.001709	0	0	0.001085	0	0	0	0
44	0	0.000164	0.000723	0	0.002071	0	0	0	0
45	0	0.000197	0.000263	0	0.004471	0	0.000296	0	0
46	0	0.001052	0.00023	0	0.001677	0	0	0	0
47	0	0.000131	9.86E-05	0	0	0	3.29E-05	0	0
48									
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2	0	9.86E-05	0	0	0.000197	0	0	0
3	0	0.000197	0	0	0.000362	0	0	0
4	0	0.000427	0	0	0.000263	0	0	0
5	0	0	0.000263	0	0.000329	0	0	0
6	0	0.000263	3.29E-05	0	0.000263	0	9.86E-05	0
7	0	0.000526	3.29E-05	0	0.00069	0	0.000197	0
8	0	0.001085	0.000657	0	0.000197	0	0.000329	0
9	0	6.57E-05	3.29E-05	0	0.001644	0	0.000131	0
10	0	0.000131	0	0	0.003287	0	0.000164	0
11	0	0.000164	0.00069	0	0.001282	0	0.000559	0
12	0	0.000822	0.000164	0	0.001874	0	0.000362	0
13	3.29E-05	0.001183	9.86E-05	0	0.000493	0	0.000164	0
14	0	0.000394	0.000855	0	0.000625	0	0.000131	0
15	0	0	0	0	6.57E-05	0	0	0
16	0	0	0	0	0.000164	0	0	0
17	0	0	0	0	0.000263	0	0	0
18	0	0	0	0	3.29E-05	0	0	0
19	0	0	0	0	0.000756	0	0	0
20	0	0	0	0	0.000789	0	0	0
21	0	0	6.57E-05	0	0.000756	0	0	0
22	0	0	6.57E-05	0	0.000888	0	0	0
23	0	0	0	0	0.000427	0	0	0
24	0	0	3.29E-05	0	0.000526	0	0	0
25	0	0	0	0	0.00023	0	0	0
26	0	0	6.57E-05	0	0.000592	0	0	0
27	0	0.00526	0	0	0	0	0	0
28	0	0	0	0	3.29E-05	0	0	0
29	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0
44	3.29E-05	0	0.000362	0	0.000723	0	0	0
45	0	9.86E-05	6.57E-05	0	0.000789	0	9.86E-05	0
46	0	3.29E-05	0	0	0.000789	0	9.86E-05	0
47	0	0.000164	9.86E-05	0	0.001118	0	3.29E-05	0
48	0	0.000789	0.000131	0	0.001545	0	0.000164	0
49	0	0.000723	0.000263	0	0.000394	0	0.000164	0
50	0	0.000559	6.57E-05	0	0.001874	0	3.29E-05	0
51	0	0.000427	0	0	0.001216	0	3.29E-05	0
52	0	0.018147	0.001479	0	0.005753	0	0	0
53	0	0.00194	0.000197	0	0.001644	0	3.29E-05	0
54	0	0.002038	3.29E-05	0	0.001841	0	0	0
55	0	0.00286	0.000131	0	0.001446	0	0	0
56								
57								
58								
59								
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1									
2	0	0.001611	0.000131	0	6.57E-05	0	0	0	0
3	0	0.001611	3.29E-05	0	0.002071	0	0	0	0
4	0	0.005457	6.57E-05	0	0.006542	0	0	0	0
5	0	0.014991	0.00046	0	0.00355	0	0	0	0
6	0	0.003846	0	0	0.002466	0	0	0	0
7									
8	6.57E-05	6.57E-05	3.29E-05	6.57E-05	0.00023	0	0.00023	0	0
9	3.29E-05	0.000394	9.86E-05	0.000197	0	0	0.00023	0	0
10	6.57E-05	0.000362	6.57E-05	0	0.000131	0	0	0	0
11	0	0	0	0	6.57E-05	0	0	0	0
12	0	3.29E-05	0	0	0.00023	0	0.000197	0	0
13	0	0.000197	0	0	0.000657	0	0	0	0
14	0	0	0	0	0.000756	0	0	0	0
15	0	0	0	0	9.86E-05	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0.000197	0	0	0	0	0	0	0	0
18	9.86E-05	0	3.29E-05	0	0.000526	0	0	0	0
19	3.29E-05	0	9.86E-05	0	0.000362	0	6.57E-05	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	3.29E-05	0	6.57E-05	0	0.000394	0	3.29E-05	0	0
23	0.00023	0	0	0	3.29E-05	0	0	0	0
24	0	0	0	0	3.29E-05	0	0	0	0
25	6.57E-05	0	0.000394	0	0.00023	0	3.29E-05	0	0
26	9.86E-05	3.29E-05	6.57E-05	0	0.000197	0	0	0	0
27	3.29E-05	0	0	0	0	0	0	0	0
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
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2									
3									
4	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
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19	0	0	0	0	0	0	0	0	0
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21	0	0	0	0	0	0	3.29E-05	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
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26	0	0	0	0	0	0	0	0	0
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31	0	0	0	0	0	0	0.00023	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
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36	0	0	0	0	0	0	0	0	0
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39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0.0024	0	0
46	0	0	0	0	0	0	6.57E-05	0	0
47	0	0	0	0	0	0	0.000296	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0.00069	0	0
50	0	0	0	0	0	0	0.000131	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0.001874	0	0
53	0	0	0	0	0	0	3.29E-05	0	0
54	0	0	0	0	0	0	3.29E-05	0	0
55	0	0	0	0	0	0	0.000526	0	0
56	0	0	0	0	0	0			
57	0	0	0	0	0	0			
58									
59									
60									

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3	0	0	0	0	0	0	0	0	0
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6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	3.29E-05	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
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17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0.000131	0
20	0	0	0	0	0	0	0	0.001907	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	6.57E-05	0
23	0	0	0	0	0	0	0	6.57E-05	0
24	0	0	0	0	0	0	0	6.57E-05	0
25	0	0	0	0	0	0.000131	0	9.86E-05	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0.001282	0
32	0	0	0	0	0	0	0	0.000362	0
33	0	0	0	0	0	0	0	0.000526	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0.0024	0
36	0	0	0	0	0	0	0	0.000131	0
37	0	0	0	0	0	0	0	9.86E-05	0
38	0	0	0	0	0	0	0	6.57E-05	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	3.29E-05	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	9.86E-05	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	6.57E-05	0	0
47	0	0	0	0	0	0	0	0.001677	0
48	0	0	0	0	0	0	0	0.001282	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0.000131	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	3.29E-05	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0.00023	0.000164
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	6.57E-05	0
18	0	0	0	0	0	0	0	0.000657	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	3.29E-05	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
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32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	3.29E-05	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	3.29E-05	0
40	0	0	0	0	0	0	0	0.000329	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	9.86E-05	0
44	0	0	0	0	0	0	0	0.001183	0
45	0	0	0	0	0	0	0	0.002104	0
46	0	0	0	0	0	0	0	0.000197	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	3.29E-05	0
50	0	0	0	0	0	0	0	0.005523	0
51	0	0	0	0	0	0	0	0.001874	0
52	0	0	0	0	0	0	0	0.000329	0
53	0	0	0	0	0	0	0	0.000394	0
54	0	0	0	0	0	0	0	0.000427	0
55	0	0	0	0	0	0	0	0.00023	0
56	0	0	0	0	0	0	0	0.001019	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0.000427	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	3.29E-05	0
5	0	0	0	0	0	0	0	0.000263	0
6	0	0	0	0	0	0	0	0.000131	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0.000131	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	3.29E-05	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	3.29E-05	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0.001972	0
29	0	0	0	0	0	0	0	0.003222	0
30	0	0	0	0	0	0	0	0.001052	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0.000362	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	3.29E-05	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0.003879	0.001085
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	3.29E-05	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	3.29E-05	0
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56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	6.57E-05	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
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16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0.000789	0
18	0	0	0	0	0	0	0	0.001019	0
19	0	0	0	0	0	0	0	0	0
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26	0	0	0	0	0	0	0	0	0
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28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0.001019	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	6.57E-05	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
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45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0.000789	0
49	0	0	0	0	0	0	0	0.000592	0
50	0	0	0	0	0	0	0	3.29E-05	0
51	0	0	0	0	0	0	0	3.29E-05	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0.000362	0
54	0	0	0	0	0	0	0	6.57E-05	0
55	0	0	0	0	0	0	0	3.29E-05	0
56	0	0	0	0	0	0	0	0.001183	0
57	0	0	0	0	0	0	0		
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0.001183	0
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5	0	0	0	0	0	0	0	0	0
6	0	0	0.000329	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	6.57E-05	0
10	0	0	0	0	0	0	0	0	0
11	0	9.86E-05	0.000131	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0.002992	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0.00023	0
18	0	0	0	0	0	0	0	6.57E-05	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	6.57E-05	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0.000296	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	3.29E-05	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0.001282	0
53	0	0	0	0	0	0	0	0.00023	0
54	0	0	0	0	0	0	0	0.000329	0
55	0	0	0	0	0	0	0	0.000263	0
56	0	0	0	0	0	0	0	0.000263	0
57	0	0	0	0	0	0	0	0.000263	0
58									
59									
60									

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2	0	0	0	0	0	0	0	0.000164	0
3	0	0	0	0	0	0	0	0.000362	0
4	0	0	0	0	0	0	0	0.000362	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	3.29E-05	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0.002531	0
10	0	0	0	0	0	0	0	0.001775	0
11	0	0	0	0	0	0	0	0.000986	0
12	0	0	0	0	0	0	0	0.001611	0
13	0	0	0	0	0	0	0	0.001611	0
14	0	0	0	0	0	0	0	6.57E-05	0
15	0	0	0	0	0	0	0	0.013446	0
16	0	0	0	0	0	0	0	0.00217	0
17	0	0	0	0	0	0	0	0.00194	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	9.86E-05	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
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25	0	0	0	0	0	0	0	0	0
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27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	3.29E-05	0
32	0	0	0	0	0	0	0	0.000164	0
33	0	0	0	0	0	0	0	3.29E-05	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0.000197	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
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41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	9.86E-05	0
47	0	0	0	0	0	0	0	0	0
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49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	3.29E-05	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0.001052	0
55	0	0	0	0	0	0	0	0	0
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57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0.00046	0
3	0	0	0	0	0	0	0	9.86E-05	0
4	0	0	0	0	0	0	0	0.000164	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	3.29E-05	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
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16	0	0	0	0	0	0	0	0	0
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18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0.000723	0
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22	0	0	0	0	0	0	0	0	0
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25	0	0	0	0	0	0	0	3.29E-05	0
26	0	0	0	0	0	0	0	0	0
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35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
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38	0	0	0	0	0	0	0	0.000855	0
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43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0.000296	0
49	0.00046	0	0	0.00023	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0.000493	0
53	0	0	0	0	0	0	0	0.00092	0
54	0	0	0	0	0	0	0	0.000263	0
55	0	0	0	0	0	0	0	0	0
56	0	0	3.29E-05	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	3.29E-05	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	3.29E-05	0	0	0	0
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6	0	0	0	0	0	0	0	0	0
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8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
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17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0.000131		0
22	0	0	0	0	0	0	0	0	0
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26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0.000296		0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0.001972		0
35	0	0	0	0	0	0	0.000953		0
36	0	0	0	0	0	0	0.000953		0
37	0	0	0	0	0	0	9.86E-05		0
38	0	0	0	0	0	0	0.001249		0
39	0	0	0	0	0	0	0.001249		0
40	0	0	0	0	0	0	3.29E-05		0
41	0	0	0	0	0	0	3.29E-05		0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	6.57E-05		0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0.000263		0
46	0	0	0	0	0	0	0.014991		0
47	0	0	0	0	0	0	0.014991		0
48	0	0	0	0	0	0	0.004241		0
49	0	0	0	0	0	0	0.032381		0
50	0	0	0	0	0	0	0.014859		0
51	0	0	0	0	0	0	0.013676		0
52	0	0	0	0	0	0	0.013676		0
53	0	0	0	0	0	0	0.004274		0
54	0	0	0.000164	9.86E-05	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0.000296		0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	9.86E-05	0
9	0	0	0	0	0	0	0	0.004602	0
10	0	0	0	0	0	0	0	0.000789	0
11	0	0	0	0	0	0	0	0.029291	0
12	0	0	0	0	0	0	0	0.003978	0
13	0	0	0	0	0	0	0	0.008383	0
14	0	0	0	0	0	0	0	0.00023	0
15	0	0	0	0	0	0	0	0.003649	0
16	0	0	0	0	0	0	0	0.018114	0
17	0	0	0	0	0	0	0	0.001446	0
18	0	0	0	0	0	0	0	0.003781	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0.001907	0
21	0	0	0	0	0	0	0	0.000329	0
22	0	0	0	0	0	0	0	0.001479	0
23	0	0	0	0	0	0	0	0.000559	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	6.57E-05	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0.00023	0
28	0	0	0	0	0	0	0	0.000756	0
29	0	0	0	0	0	0	0	3.29E-05	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	6.57E-05	0
37	0	0	0	0	0	0	0	0.009566	0
38	0	0	0	0	0	0	0	0.00046	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	6.57E-05	0
42	0	3.29E-05	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	6.57E-05	0
51	0	0	0	0	0	0	0	3.29E-05	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0.000427	0
57	0	0	0	0	0	0	0	0.000526	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	9.86E-05	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0.000493	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	9.86E-05	0
18	0	0	0	0	0	0	0	3.29E-05	0
19	0	0	0	0	0	0	0	3.29E-05	0
20	0	0	0	0	0	0	0	3.29E-05	0
21	0	0	0	3.29E-05	0	0	0	0	0
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26	0	0	0	0	0	0	0	0	0
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28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0.000131	0
35	0	0	0	0	0	0	0	0.00194	0
36	0	0	0	0	0	0	0	6.57E-05	0
37	0	0	0	0	0	0	0	9.86E-05	0
38	0	0	0	0	0	0	0	0.00023	0
39	0	0	0	0	0	0	0	0.000592	0
40	0	0	0	0	0	0	0	0.00217	0
41	0	0	0	0	0	0	0	0.000329	6.57E-05
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0.124758	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0.000296	0
46	0	0	0	0	0	0	0	0.000296	0
47	0	0	0	0	0	0	0	0.067359	0
48	0	0	0	0	0	0	0	0.004175	0.001183
49	0	0	0	0	0	0	0	0.001085	0
50	0	0	0	0	0	0	0	0.003419	0.001414
51	0	0	0	0	0	0	0	0.006739	0.001644
52	0	0	0	0	0	0	0	0.00743	0
53	0	0	0	0	0	0	0	0.00023	0.000197
54									
55									
56									
57									
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0.001019	0
6	0	0	0	0	0	0	0	6.57E-05	0
7	0	0	0	0	0	0	0	9.86E-05	0
8	0	0	0	0	0	0	0	0.001414	0
9	0	0	0	0	0	0	0	0.001677	0
10	0	0	0	0	0	0	0	6.57E-05	0
11	0	0	0	0	0	0	0	0.003419	0
12	0	0	0	0	0	0	0	0.000394	0
13	0	0	0	0	0	0	0	0.000131	0
14	0	0	0	0	0	0	0	9.86E-05	0
15	0	0	0	0	0	0	0	6.57E-05	0
16	0	0	0	0	0	0	0	9.86E-05	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	9.86E-05	0
19	0	0	0	0	0	0	0	6.57E-05	0
20	0	0	0	0	0	0	0	0.000427	0
21	0	0	0	0	0	0	0	0.000526	0
22	0	0	0	0	0	0	0	3.29E-05	0
23	0	0	0	0	0	0	0	0.000394	0
24	0	0	0	0	0	0	0	9.86E-05	0
25	0	0	0	0	0	0	0	0.000131	0
26	0	0	0	0	0	0	0	0.001414	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0.000164	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
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36	0	0	0	0	0	0	0	0	0
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38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
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41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0.001874	0
45	0	0	0	0	0	0	0	0.000394	0
46	0	0	0	0	0	0	0	0.000362	0
47	0	0	0	0	0	0	0	0.001151	0
48	0	0	0	0	0	0	0	0.006772	0
49	0	0	0	0	0	0	0	0.011539	0
50	0	0	0	0	0	0	0	0.00023	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0.000625	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0.006246	0
9	0	0	0	0	0	0	0	0.037838	0
10	0	0	0	0	0	0	0	0.002268	0
11	0	0	0	0	0	0	0	0.001216	0
12	0	0	0	0	0	0	0	0.003123	0
13	0	0	0	0	0	0	0	0.000329	0
14	0	0	0	0	0	0	0	0.002761	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0.000559	0
19	0	0	0	0	0	0	0	0.000756	0
20	0	0	0	0	0	0	0	0.000164	0
21	0	0	0	0	0	0	0	0.001709	0
22	0	0	0	0	0	0	0	0.001348	0
23	0	0	0	0	0	0	0	9.86E-05	0
24	0	0	0	0	0	0	0	0.003748	0
25	0	0	0	0	0	0	0	0.000164	0
26	0	0	0	0	0	0	0	3.29E-05	0
27	0	0	0	0	0	0	0		
28	0	0	0	0	0	0	0		
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k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
0	0	0	6.57E-05	0	0	0.246293	0	0.002794
0	0	0	0	0	3.29E-05	0.245143	0	0.002597
0	0	0	0	0	0	0.273743	0	0.000131
0	0	0	0	0	0	0.383346	0	0.00332
0	0	0	0	0	0	0.226865	0	0.000131
0	0	0	0	0	0	0.016536	0	0
0.000394	0	0	0	0	0	0.108025	0	0.004307
0	0	0	0	0	0	0.087741	0	0.001808
0	0	0	0.000263	0	0	0.176567	0	0.041619
0	0	0	9.86E-05	0	0	0.072849	0	0.000625
0	0	0	0	0	0	0.004931	0	0.002203
0	0	0	6.57E-05	0	0	0.022453	0	0.001019
0.001019	0	0	6.57E-05	0	0	0.113547	0	0.100266
0	0.000296	0	0.000197	9.86E-05	0	0.040632	0	0.011374
0	3.29E-05	0	0.00023	0.000296	0.000164	0.084947	0	0.00881
0	0	0	3.29E-05	0	0	0.004898	0	0.009632
0	0	0	0	0	0	0.105592	0	0.152766
0	0	0	3.29E-05	0	0	0.000296	0	0.000263
0	0	0	0	0	3.29E-05	0.004339	0	3.29E-05
0	3.29E-05	0	3.29E-05	0	0	0.001381	0	0.003353
0	0	0	3.29E-05	0	0	0.340938	0	0.009073
0	0	0	0	0	0	0.024426	0	0.000592
0	0	0	0	0	9.86E-05	0.154476	0	0.004767
0	0	0	0	0	0	0.195733	0	0
0	0	0	0.00046	0	0	0.240803	0	6.57E-05
0	0	0	0.002367	0	0	0.060226	0	0
0	0	0	0	0	0	0.087412	0	0.000559
0	0.001019	0	0	0	0	0.172754	0	0
0	0.003748	0	6.57E-05	0.000131	0	0.311483	0	0.001742
0	0.000427	0	0	0	0	0.097077	0	0.000526
0	0.000888	0	9.86E-05	0	0	0.117887	0	0.000362
0	0.000625	0	9.86E-05	0	0	0.069825	0	0.001085
0	0.01121	0	0	0	9.86E-05	0.179362	0	0.015517
0	6.57E-05	0	0.034781	0.001709	0	0.403958	0	0.000493
0	0.000362	0	0.001118	0	0	0.302081	0	0.001545
0	0.002005	0	0.005161	0.000493	0	0.413031	0	3.29E-05
0	0	0	0.000953	6.57E-05	0.000263	0.167593	0	0.001479
0	3.29E-05	0	0.000888	0	0	0.131168	0	0.005358
3.29E-05	0.000427	0	0.009303	9.86E-05	0	0.228607	0	0
0	0	0	0.003386	0	0	0.159407	0	0
0.00046	0	0	0.004175	0.00046	0	0.143627	0	0
0	9.86E-05	0	0.000657	3.29E-05	0	0.094941	0	0.003452
0	0	0	0.000493	3.29E-05	0	0.108025	0	0.015056
0	0.000986	0	9.86E-05	0	0	0.34508	0	0

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2	0	0	0	0.002926	0.000394	0	0.174365	0 0.000296
3	0	6.57E-05	0	0.000756	0	3.29E-05	0.112693	0 0.000559
4	0	0.000131	0	0.00023	6.57E-05	0	0.064959	0 0.000723
5	0	0	0	0.000526	0.000164	0	0.172787	0 0.00092
6	0	0	0	0.000197	0	0	0.119958	0 0.000164
7	0	0	0	0.000197	0	0	0.013939	0 0
8	0	0	0	0	0	6.57E-05	0.007002	0 0.001249
9	0	0	0	3.29E-05	0	0	0.048489	0 0.000164
10	0	0	0	0.000427	3.29E-05	0	0.290706	0 0
11	0	0.000131	0	0	0	0	0.209178	0 0.00023
12	0	0	0	0	0	0.000526	0.042145	0 0.039909
13	0	0	0	0	0	0.001216	0.023932	0 0.002433
14	0	0	0	0	0	0	0.015615	0 0.00217
15	3.29E-05	0	0	0	0	0	0.015517	0 0.000625
16	0	0	0	0	0	0	0.026957	0 0
17	0	3.29E-05	0	0.005358	0.000131	0	0.085539	0 0.004668
18	0	0.000296	0	0.002696	0	0	0.006049	0 0
19	3.29E-05	0	0	0.001611	0.000427	0	0.090831	0 0.000329
20	6.57E-05	0	0	0	0	0	0.049443	0 0.000197
21	0	0	0	0	0	0	0.109997	0 0.001709
22	0	0	0	0	0	0	0.029587	0 0.004405
23	0	0	0	0	0	0	0.065453	0 0.000526
24	0	0	0	0	0	0.002005	0.06085	0 0.005753
25	0	3.29E-05	0	0	0	0	0.109931	0 6.57E-05
26	0	0	0	0	0	0.000164	0.000197	0.08304
27	0	3.29E-05	0	0	0.000164	0.000131	0.103126	0 0.006673
28	0	0	0	0	3.29E-05	0	0.013741	0 6.57E-05
29	0	0	0	0	0.000263	3.29E-05	0.112265	0 0.156941
30	0	0	0	0	0	3.29E-05	0.001118	0 0.044775
31	0.000164	0	0	0	0.000164	0.000131	0.103126	0 0.003945
32	0	0	0	0	3.29E-05	0	0.026825	0 0
33	0	0	0	0.009106	0	0	0.000855	0 0.000131
34	0	0	0	0.01167	0	0	0.092639	0 0.000888
35	0	0	0	0	0	0	0.252441	0 0.002992
36	0	0	0	0.001052	0	0	0.108682	0 3.29E-05
37	0	6.57E-05	0	0.003649	0	0	0.201223	0 0.00046
38	0	3.29E-05	0	0.00858	0	0	0.257898	0 0.00046
39	0.000657	0	0	0	0	0.000855	0.076958	0 0.009797
40	0	0	0	3.29E-05	0	0	0.022979	0 0.130478
41	0	0	0	6.57E-05	0	0	0.124593	0 0.007035
42	0	0	0	0.001183	0	9.86E-05	0.103488	0 0.004307
43	0	0	0	0.012328	6.57E-05	0	0.071699	0 0.003057
44	0	0	0	0.012131	0	9.86E-05	0.11769	0 0.000789
45	0	6.57E-05	0	0.004011	0.000164	0	0.157007	0 0.000592
46	0	0	0	0	0	0	0.022815	0 0.110687
47	0.005852	0	0	0	0	0.067951	0.11506	0 0.077057
48	0	0	0	0.00092	0	0	0.120418	0 0.002301
49	0	0	0	0	0	0	0.087906	0 3.29E-05

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2	0	0	0	0	0	0	0.125941	0	6.57E-05
3	0	0	0	0	0	0	0.257339	0	3.29E-05
4	0	0	0	0	0	0	0.153785	0	0.000131
5	0.00023	6.57E-05	0	0.003978	9.86E-05	0	0.150268	0	0.001282
6	0	0	0	0	0	0	0.192676	0	0.000197
7	0	0	0	0	0	0	0.04987	0	0.000789
8	0	0	0	0	0	0	0.008646	0	0.000394
9	0	0	0	0	0	0	0.104934	0	6.57E-05
10	0	0	0	6.57E-05	0	0	0.132154	0	0.000394
11	0	0	0	0.004833	0	0	0.041619	0	0.00023
12	0	0	0	0.006575	0	0	0.061738	0	0.000197
13	0	0	0	0.002926	0	0	0.051908	0	0.00046
14	0	0	0	0	0	0.000913	0.010675	0	0.02458
15	0	0.000197	0	0.00069	0	0	0.078997	0	0.003222
16	0	0.000263	0	0.000263	0	0	0.020152	0	0.006706
17	0	0	0	0	0	6.57E-05	0.023111	0	0.005556
18	0.00309	9.86E-05	0.00023	0	0	0.045958	0.10934	0.001019	0.050462
19	0	0.000329	0	0.00023	0	0	0.089023	0	0.000526
20	0	0	0	0	0	0	0.003748	0	9.86E-05
21	0	0	0	0	0	0	0.015845	0	0.016273
22	0	0.000164	0	0	0	0	0.054703	0	0.002005
23	0	0	0	0.018837	0.000362	0	0.106742	0	0.000822
24	0	3.29E-05	0	0.001381	0.000789	0	0.020448	0	0.000164
25	0	3.29E-05	0	0.003945	0.000329	0	0.140077	0	0.000329
26	0	6.57E-05	0	0.003057	0.000131	0	0.06279	0	0.000197
27	0	6.57E-05	0	0.003682	0.000296	0	0.188928	0	3.29E-05
28	0	0	0	0.000263	6.57E-05	0	0.043197	0	0.000362
29	0	0	0	0.001775	0.000296	0	0.198396	0	0
30	0	0	0	0	0	0	0.004537	0	3.29E-05
31	0	0	0	0.000197	6.57E-05	0	0.026431	0	0.000723
32	0	0	0	9.86E-05	0	0	0.012624	0	0
33	0	0	0	0.005326	6.57E-05	0	0.170814	0	0.000329
34	0	0	0	3.29E-05	0	0	0.078536	0	0.001644
35	0	3.29E-05	0	0.000953	6.57E-05	0	0.243762	0	0.001446
36	0	0.000263	0	0.002367	0.000526	0	0.113021	0	0.000789
37	0	0.000263	0	0.000855	0.000131	0	0.091555	0	0
38	0	0.00046	0	0	0	0	0.132056	0	0.000263
39	0	0	0	0.000592	6.57E-05	0	0.051777	0	6.57E-05
40	0	0	0	0.004044	6.57E-05	0	0.185049	0	0.000164
41	0	0	0	0.00457	0.00023	0	0.095006	0	0
42	0.00069	0.000888	0	0.014892	0.002498	0	0.062494	0	0.006772
43	0.000559	0.000164	0	0.026431	0.000855	0	0.136099	0	0.010618
44	0.000394	6.57E-05	0	0.002893	3.29E-05	0	0.014563	0	3.29E-05
45	0	0.000164	0	0.00046	6.57E-05	0	0.140932	0	9.86E-05
46	0	6.57E-05	0	0.004997	0.000329	0	0.098787	0	0.000131
47	0	0.00023	0	0.000789	0.00023	0	0.10786	0	9.86E-05
48	0.000329	0.000855	0	0.000362	0.000329	0	0.054966	0	0.001545

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2	0	9.86E-05	0	0.001019	6.57E-05	0	0.161281	0
3	0	0.000131	0	0.001348	0.000131	0	0.092837	0
4	0	9.86E-05	0	0.000756	0.000362	0	0.086919	0
5	0	0	0	0.000986	0.000197	0	0.037805	0
6	0	0	0	9.86E-05	9.86E-05	0	0.033269	0
7	0	0	0	0	0	0	0.061639	0
8	0	0	0	0	0	0	0.061639	0
9	0	6.57E-05	0	3.29E-05	0	0	0.046583	0
10	0	0	0	0	0	9.86E-05	0.056807	0
11	0	0	0	0	0	0	0.101614	0
12	0	0	0	0	0	0	0.149282	0
13	0	0	0	0	0	0	0.149282	0
14	0	0	0	6.57E-05	0	0	0.15921	0
15	0	0	0	0	0	0	0.007791	0
16	0	0	0	0	0	0	0.000296	0
17	6.57E-05	0	0	0	0	0	0.000657	0
18	0	0	0	0	0	0	0.002071	0
19	0	0	0	3.29E-05	0	0	0.001907	0
20	0	0	0	0	0	0	0.00194	0
21	0	0	0	0	0	3.29E-05	0.000329	0
22	0	0	0	0	0	0	0.002203	0
23	0	0	0	9.86E-05	0	0	0.003386	0
24	0.001414	0	0	3.29E-05	0	0.026727	0.050922	0
25	0	0	0	3.29E-05	0	0	0.000427	0
26	0	0.000131	0	0.002729	3.29E-05	0	0.070877	0
27	0	0	0	0.000427	3.29E-05	0	0.09333	0
28	0	0.000131	0	0.001414	0	0	0.140208	0
29	0	3.29E-05	0	0	0	0	0.022716	0
30	0	3.29E-05	0	0	6.57E-05	0	0.038003	0
31	0	0.000197	0	0	0.000131	0.00046	0.041717	0
32	0.000625	0.00023	0	0	9.86E-05	0.000296	0.104507	0
33	0	0	0	0.000592	0	0.000296	0.058976	0
34	0	0	0	0.000296	0.000953	0	0.060817	0
35	0	0.000855	0	0.000493	9.86E-05	0.003945	0.091062	0
36	0.001742	0.000559	0	0.000526	0.000131	0	0.065157	0
37	0	6.57E-05	0	0.004339	0	0	0.140471	0
38	0.00023	0	0	0.000756	0	0	0.118774	0
39	0	0.000164	0	0.000986	0.000756	0	0.050495	0
40	0	0	0	0.003748	0	3.29E-05	0.076038	0
41	0	0.001019	0	0.000592	0.00069	0	0.105263	0
42	0	0	0	0.000592	0	0	0.167757	0
43	0	0	0	3.29E-05	0	0	0.279102	0
44	0	0	0	0	0	0	0.359446	0
45	0	0	0	0.000164	0	0	0.18666	0
46	0	0	0	0	0	0	0.531773	0
47	0	0	0	0.001052	0	0	0.250205	0
48	0	0	0	3.29E-05	0	6.57E-05	0.149479	0
49	0	6.57E-05	0	0	0	0	0.002531	0
50	0	0	0	0	0	0	0.002597	0
51	0	0	0	0	0	0	0.002597	0
52	0	0	0	0	0	0	0.002597	0
53	0	0	0	0	0	0	0.002597	0
54	0	0	0	0	0	0	0.002597	0
55	0	0	0	0	0	0	0.002597	0
56	0	0	0	0	0	0	0.002597	0
57	0	0	0	0	0	0	0.002597	0
58	0	0	0	0	0	0	0.002597	0
59	0	0	0	0	0	0	0.002597	0
60	0	0	0	0	0	0	0.002597	0

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2	0	0.000197	0	0	3.29E-05	3.29E-05	0.011342	0	0
3	0	3.29E-05	0	0	6.57E-05	0	0.000756	0	3.29E-05
4	0	0.001216	0	0	0.000394	0	0.02219	0.000296	0.031822
5	0	0	0	0	0	0	0.000493	0	0.000164
6	0	0	0	0	6.57E-05	0	0.00549	9.86E-05	0
7	0	0	0	9.86E-05	0	0	0.110457	0	0.005556
8	0	0	0	0.000263	0	0	0.080377	0	0.000756
9	0	0	0	0	0	0	0.0358	0	0.000263
10	0	0	0	0	0	0	0.064302	0	0.000362
11	0	0	0	3.29E-05	0	0	0.030179	0	0.001085
12	0	0	0	0	0	0	0.01716	0	0.003846
13	0	0	0	0.023341	0.00023	0	0.160656	0	0.002531
14	0	0	0	6.57E-05	0	0	0.064302	0	0.00069
15	0	0.000131	0	0.005852	0.000329	0	0.272626	0	0.000953
16	0	0	0	0.00789	0.00023	6.57E-05	0.187054	0	0.000822
17	0	0	0	0.001019	0	0	0.030014	0	0.010717
18	0	0	0	0.007232	0	0	0.011835	0	0.004241
19	0	0	0	0	0	0	0.000427	0	0.004767
20	0	0	0	0.007364	0	0	0.073441	0	0.00766
21	0	0	0	0.00194	0	0	0.017686	0	0.016864
22	0	0	0	0.006246	0	0.000263	0.061606	0	0.001315
23	0	0	0	0.02574	0	0	0.022059	0	0.002531
24	0	3.29E-05	0	6.57E-05	0	0	0.003024	0	9.86E-05
25	0	0	0	0	0	0	0.003353	0	0
26	0	0	0	0	0	9.86E-05	0.060982	0	0.004076
27	0	0	0	0.00023	0	0.000197	0.062428	0	0.046221
28	0	0.000822	0	0.002794	0	0	0.115914	0	0.005589
29	0	0.000329	0	0.001874	0.000625	3.29E-05	0.111279	0	0.004274
30	0	0.00023	0	0.000197	0.000329	0	0.08041	0	0.000197
31	0	0	0	0.00046	3.29E-05	0	0.056116	0	0.003616
32	0	6.57E-05	0	0.001118	6.57E-05	0	0.088103	0	0.003682
33	0	0	0	0	0	0	0.010717	0	6.57E-05
34	0	0	0	3.29E-05	0	6.57E-05	0.003846	0	0.002137
35	0	0	0	0.000197	0.000296	0	0.068181	0	0.001677
36	0	0	0	0.002137	0	6.57E-05	0.327953	0	0.002729
37	0	0	0	0.002005	0	3.29E-05	0.089845	0	0.002827
38	0	0	0	0.000197	0	0	0.111937	0	0.01315
39	0	0	0	0.005128	0	0	0.062527	0	0.000362
40	0	0	0	0.002597	0	0	0.100398	0	0.001381
41	0	3.29E-05	0	0.002301	6.57E-05	0	0.219304	0	0.000394
42	0	0	0	0.001907	0	0	0.231138	0	0.000493
43	0	0	0	0.006213	0.000362	0	0.430948	0	0.000888
44	0	6.57E-05	0	0.002959	0.001052	0	0.159045	0	6.57E-05
45	0	0	0	0.002038	0.000789	0	0.190407	0	0.00046
46	0	9.86E-05	0	0.000822	0.000559	0	0.177521	0	0.000197
47	0	3.29E-05	0	0.001019	0.000394	0.000329	0.100398	0	0.045662
48	0	0.000164	0	0.009402	0.000657	0	0.034025	0	0.021894

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2	0	0.000493	0	0.001775	0.000197	0	0.152832
3	0	0	0	0.001183	0.00069	0	0.085276
4	0	0.000197	0	0.00092	0	0	0.047405
5	0	0	0	0	0	0	0.001677
6	0	0	0	0	0	0.001118	0.091818
7	0	6.57E-05	0	6.57E-05	0	0.000625	0.041684
8	0	0	0	0.001151	0	0	0.113021
9	0	0	0	0	0	0	0.020382
10	0	0	0	0	0	0	0.025116
11	0	0	0	0.005391	0.00286	0	0.114271
12	0	0	0	0	0	0	0.069726
13	0	0.001315	0	0.001644	0	0.00046	0.201124
14	0	0	0	0	0	0.000131	0.035833
15	0	0.000657	0	0.001348	0	0	0.033334
16	0	0.000197	0	0	3.29E-05	0	0.11506
17	0	0	0	0	3.29E-05	0	0.177356
18	0	3.29E-05	0	0	0	6.57E-05	0.13794
19	0	3.29E-05	0	0	0	0	0.04415
20	0	9.86E-05	0	0	0	0	0.075545
21	0	0.000131	0	0	3.29E-05	0	0.134455
22	0	6.57E-05	0	0	0	0.000131	0.113547
23	0	3.29E-05	0	0	0	0	0.058154
24	0	0	0	0	0	0	0.030869
25	0	0	0	0	0	0	0.033795
26	0	0	0	0	0	0	0.007331
27	0	0	0	0	0	0	0.004109
28	0	0	0	0	0	0	0.004734
29	0	6.57E-05	0	0	0	0	0.008745
30	0	6.57E-05	0	0	0	0	0.097603
31	0	0	0	0	0	0	0.000953
32	0	0	0	3.29E-05	0	0	0.006673
33	0	0	0	0	0	0	0.016864
34	0	3.29E-05	0	0	0.000362	0	0.028798
35	0	6.57E-05	0	0	3.29E-05	0	0.013577
36	0	0	0	0.034156	3.29E-05	0	0.065387
37	0	0	0	0.004767	0	0	0.135376
38	0	0	0	0	0.000362	0.000329	0.13531
39	0	0	0	0.000131	0	0	0.091094
40	0	0	0	0	0	0	0.108518
41	0	0	0	0.0024	0.000131	3.29E-05	0.163648
42	6.57E-05	0	0	0.002104	0.000131	0	0.135113
43	0	0	0	0.001216	3.29E-05	0	0.114501
44	0	0	0	0.001019	0	0	0.101614
45	0	0	0	0.002531	0.00023	0	0.016306
46	3.29E-05	6.57E-05	0	0.000888	3.29E-05	3.29E-05	0.015484
47	6.57E-05	0.00023	0	0.001249	0.000131	0	0.024491
48	0	0	0	0.003452	0.000131	0	0.011506
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2	0.000394	9.86E-05	0	0.0191	0.000427	3.29E-05	0.108353	0	0.000329
3	0.000197	3.29E-05	0	0.010585	0.000493	0	0.05582	0	0.000493
4	0	3.29E-05	0	0.001907	3.29E-05	0	0.098228	0	0.001709
5	0	0	0	0.000493	0	0.001052	0.157763	0	0.010684
6	0	0	0	0.002466	0.00023	0	0.083139	0	0.001085
7	0	0	0	0.001381	6.57E-05	0	0.119563	0	0.005917
8	0	0	0	0.010717	0.000822	0	0.145961	0	0.004898
9	0	0	0	0.007824	0.000723	0	0.223807	0	0.001972
10	0	0	0	0.001578	0.00069	0	0.282455	0	0.003879
11	0	0	0	0.004701	0.000263	0	0.194517	0	3.29E-05
12	3.29E-05	0	0	0.001315	9.86E-05	0	0.061409	0	0.001315
13	0	0	0	0.004011	0.000164	0	0.295407	0	0.002827
14	0	0	0	0.011276	0.000953	0	0.176995	0	0.000427
15	0	0	0	0.009862	0.000953	0	0.212334	0	3.29E-05
16	0	0	0	0.003057	0	0	0.043164	0	0.000131
17	0	0	0	0.004241	0	0	0.12193	0	0.001446
18	0	0	0	0.004241	0	0	0.12193	0	0.001446
19	0	0	0	0.004241	0	0	0.12193	0	0.001446
20	0	0	0	0.004241	0	0	0.12193	0	0.001446
21	0.000427	0	0.000197	0.001151	0	0.012657	0.031559	0.00046	0.019527
22	0	0	0	3.29E-05	0	0	0.034058	0	0
23	0	0	0	0.000559	0	0	0.023801	0	0.000362
24	0	0	0	0.00069	0.000362	0	0.020875	0	0.000263
25	0	0	0	0	0	0	0.012722	0	6.57E-05
26	0	0	0	0	0	0	0.021368	0	9.86E-05
27	0	0	0	0	0	0	0.070285	0	0.002761
28	0	0	0	0	0	0	0.016141	0	0.000362
29	0	0	0	0	0	0	0.016141	0	0.000362
30	0	0	0	9.86E-05	3.29E-05	0	0.000789	0	0.000559
31	0	0	0	9.86E-05	3.29E-05	0	0.000789	0	0.000559
32	9.86E-05	0	0	0	0	0	0.001019	0	0.000296
33	0	0	0	0	0	0	0.002071	0	9.86E-05
34	0	0	0	0	0	0	0.001808	0	0.000164
35	0	0	0	0	0	0	0.001808	0	0.000164
36	0	0.000197	0	0.000625	0.000329	3.29E-05	0.033532	0	0.000263
37	0	0	0	3.29E-05	6.57E-05	0	0.014629	0	0.000657
38	0	0	0	9.86E-05	0	0	0.01098	0	0
39	0	0	0	9.86E-05	0.000723	6.57E-05	0.121141	0	0.005095
40	0	0	0	0.002038	0.000986	0	0.100003	0	6.57E-05
41	0	0	0	0.002038	0.000986	0	0.100003	0	6.57E-05
42	0	0.000394	0	0.000394	0.0024	3.29E-05	0.163746	0	0.00046
43	0	3.29E-05	0	0.00023	0.00092	0	0.060258	0	0
44	0	0	0	0.000164	0	0.000131	0.012624	0	0.002433
45	0	0	0	0.006016	6.57E-05	0.000131	0.035636	0	0.023078
46	0	0	0	6.57E-05	0	0.000723	0.010684	0	0.014761
47	0	0	0	0.005161	9.86E-05	0	0.047437	0	0.000559
48	0	0	0	0.002301	0	0	0.041421	0	0.020776
49	0	0	0	0.011177	0	0	0.02791	0	0
50	0	0	0	0.003386	0	0	0.09665	0	0
51	0	0	0	0	0	3.29E-05	0.195503	0	0.002992
52	0	0	0	0	0	0	0.02288	0	0.012591
53	0	0	0	0	0	0	0.02288	0	0.012591
54	0	0.020086	0	0	0.004438	0	0.122654	0	0.000197
55	0	0	0	0.003879	0.000394	0	0.107203	0	0.002959
56	0	0	0	0.000427	0.000559	0	0.085769	0	0.00092
57	0	0	0	0.000427	0.000559	0	0.085769	0	0.00092
58	0	0	0	0.000427	0.000559	0	0.085769	0	0.00092
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2		0 0.000394	0 0.000394	0.000296	0 0.155068	0 0.002005		
3	0.000197	9.86E-05	0 0	0.00023	0.004504 0.270555	6.57E-05 0.006049		
4		0 0.000362	0 0.001709	9.86E-05	0 0.051284	0 0.001019		
5		0 0	0 0.003123	6.57E-05	0 0.133897	0 0.000329		
6		0 0	0 0.007956	0.000131	0 0.191262	0 0.000657		
7		0 0	0 0.019462	0.000296	0 0.169203	0 0.000493		
8		0 0	0 0.003518	0	0 0.339886	0 3.29E-05		
9		0 0	0 6.57E-05	0	0.00092 0.179493	0 0.00092		
10		0 0	0 0.007528	0	0 0.224728	0 0.000131		
11		0 0	0 0.003748	0.000164	0 0.277886	0 0.000164		
12		0 0	0 0.007002	0	0 0.318682	0 0.00023		
13		0 0	0 9.86E-05	3.29E-05	0.000131 0.007627	0 0.00046		
14		0 0	0 0.000789	0	0 0.235346	0 3.29E-05		
15		0 0	0 0.044939	0.000362	0 0.095237	0 0.002696		
16		0 0	0 0.000131	0	0 0.330912	0 6.57E-05		
17		0 0	0 0.00023	0	0 0.046353	0 0.003189		
18		0 0.000329	0 3.29E-05	0	0 0.177915	0 3.29E-05		
19		0 9.86E-05	0 3.29E-05	0	0 0.134718	0 3.29E-05		
20		0 3.29E-05	0 9.86E-05	0	0 0.043493	0 0.001874		
21		0 0	0 6.57E-05	0	0 0.01052	0 0.004044		
22		0 0.000625	0 0.001019	0.00023 6.57E-05	0.024097	0 0.001446		
23		0 0.001545	0 0.004833	6.57E-05	0 0.080673	0 0.002729		
24		0 0.000822	0 0	3.29E-05	0 0.020908	0 0.012065		
25		0 6.57E-05	0 0.000986	0.000756	0 0.015747	0 0.010585		
26		0 0.000164	0 0.000822	0.000197	0 0.013741	0 6.57E-05		
27		0 0.000296	0 0.000362	3.29E-05	0 0.02173	0 3.29E-05		
28		0 0.000131	0 0.001381	0.00023	0 0.021302	0 0.000559		
29		0 9.86E-05	0 0.000164	0.00023	0 0.264243	0 0.000657		
30		0 0	0 0	3.29E-05	0 0.290213	0 0.000526		
31		0 9.86E-05	0 3.29E-05	9.86E-05	0 0.337454	0 0.000756		
32		0 9.86E-05	0 0	0.000164	0 0.241724	0 3.29E-05		
33		0 0	0 0	0	0 0.045892	0 0.005063		
34		0 0	0 3.29E-05	0	0 0.044906	0 0.003024		
35		0 0	0 0	3.29E-05	0 0.021533	0 0.000296		
36		0 0	0 0	0	0 0.017095	0 3.29E-05		
37		0 0	0 0	0	0 0.102469	0 0.003123		
38		0 3.29E-05	0 0.002071	0.00286	0 0.17591	0 0.006312		
39		0 0	0 0.000592	0	0 0.074723	0 0.005063		
40	6.57E-05	0	0 0.002203	0	0 0.070614	0 0.002794		
41		0 0	0 0.000592	0	0 0.044413	0 0.018574		
42		0 0	0 6.57E-05	0	0 0.00789	0 0.004438		
43		0 0	0 9.86E-05	0	0 0.001183	0 0.00046		
44		0 0	0 0.004471	0	0 0.123508	0 0.002466		
45		0 0	0 0.000493	0	0 0.080608	0 0.001118		
46		0 0	0 3.29E-05	0.000329	0 0.297446	0 0.001775		
47		0 0	0 3.29E-05	0 3.29E-05	0.046977	0 0.027253		
48		0 0	0 0	0	0 0.008975	0 0.044183		
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2	0	0	0	0	0	0.001282	0.014136	0 0.002926
3	0	0.000427	0	0.001085	0	0	0.115849	0 0.007331
4	0	0	0	0	0	0	0.023341	0 0.007627
5	0	0	0	0	0	0.000197	0.014629	0 0.01167
6	0	0	0	0	0	0.000164	0.000822	0 0.003222
7	0	0	0	0	0	0	0.000197	0 3.29E-05
8	0	0	0	0	0	0	0.003781	0 0.000986
9	0	0	0	0	0	0	6.57E-05	0 0.000131
10	0	0	0	0	0	0	0.000888	0 9.86E-05
11	0	0	0	0	0	0	0.000197	0 0
12	0	0	0	0	0	0	0.000493	0 0
13	0	0	0	3.29E-05	0	0.000131	0.000559	0 0
14	0	0	0	0	0	0	0.000296	0 0.000296
15	0	0	0	0	0	0	0.000329	0 0.00023
16	0	0	0	0	0	0	0.000263	0 0.000263
17	0	0	0	0	0	0	0.000953	0 0.001216
18	0	0	0	0	0	0	0.002005	0 0.000526
19	0	0	0	0	0	0	0.15155	0 0.001644
20	0	6.57E-05	0	0	0	0	0.175976	0 0.001183
21	0	0	0	0	0	0.000362	0.113449	0 0.010257
22	0	0	0	0	0	0	0.081758	0 0.000362
23	0	0	0	0	0	0	0.109077	0 0.009468
24	0	0	0	0	0	0	0.153983	0 0.005621
25	0	0	0	0	0	0.000164	0.053421	0 0.000131
26	0	0	0	0.000362	0	6.57E-05	0.031855	0 0.011177
27	0	0	0	0.001644	0.001019	0	0.060324	0 0.006279
28	0	0	0	0.000427	0	0	0.102173	0 0.013183
29	0.000296	3.29E-05	0	0.004076	0.000394	0	0.237549	0 0.00194
30	3.29E-05	0	0	0.001151	3.29E-05	6.57E-05	0.070877	0 0.001381
31	6.57E-05	0	0	0.001677	0.000197	0	0.123147	0 3.29E-05
32	0.00023	6.57E-05	0	0.003682	0.000394	0	0.24179	0 0.000197
33	0	0	0	0.000592	6.57E-05	3.29E-05	0.036951	0 0.001381
34	0.00023	0	0	0.000592	0.000131	0	0.161774	0 3.29E-05
35	0	0	0	0.000427	3.29E-05	0.000131	0.016503	0 0.00069
36	0	0	0	0.000592	0.000362	0	0.090371	0 9.86E-05
37	0	0	0	0	0	3.29E-05	0.055853	0 0.000822
38	6.57E-05	0	0	0.002268	0.000296	0	0.18449	0 0.000197
39	0	9.86E-05	0	0.001742	0.000822	0.000427	0.030639	0 0.050298
40	3.29E-05	0	0	0.000394	0.000559	0	0.006936	0 0.003518
41	0	0.002104	0	0.001249	0.002531	0.00023	0.037378	0 0.003123
42	0	0.00069	0	0.009172	0.002498	0	0.035767	0 0.105
43	0	0.000723	0	0.001315	0.001151	0	0.028666	0 0.003353
44	0.000263	0	0	0.004372	0.000756	0	0.043854	0 0.002564
45	0	9.86E-05	0	0	0	0	0.080147	0 0.060127
46	0	0	0	0	0	0	0.011177	0 0.027713
47	0	0	0	0.001315	0.000263	3.29E-05	0.08761	0 0.008317
48	0	0	0	0	0	0	0.046484	0 0.252934

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2	0	0	0	0	0	0	0.164897	0	0.000756
3	0	0	0	0	0	0.000197	0.082711	0	0.001249
4	0	0	0	0	0	6.57E-05	0.003287	0	0.001907
5	0	0	0	0	0	0	0.083435	0	0.000296
6	0	0	0	0	0	0	0.03534	0	0.006641
7	0	0	0	0	0	0	0.03534	0	0.006641
8	6.57E-05	0	0	0.00217	0.000427	0	0.238174	0	9.86E-05
9	0	0.003222	0	9.86E-05	0.001512	0	0.155265	0	0.002038
10	0	0.000362	0	0.000197	0	0	0.238831	0	0.00069
11	0	0.001315	0	0.005358	0.001282	0	0.20474	0	0.000394
12	0	0.000131	0	0.00023	0.000164	0	0.150399	0	0.000329
13	0	0.001183	0	0.007528	0.000526	0	0.161347	0	0.000723
14	0	0.000263	0	3.29E-05	6.57E-05	0	0.137644	0	0
15	0	0.000164	0	0.001907	0.000559	0	0.140899	0	0.00023
16	0	0.002564	0	0.002696	0.001709	0	0.247444	0	0.00503
17	0	0.000855	0	0.002926	0.001085	0	0.215326	0	0.001644
18	0	0.000526	0	0.000789	0.000197	0	0.227917	0	0.003287
19	0	0.000197	0	0.001315	0	0.000131	0.127453	0	0.003024
20	0	0.00046	0	0.00046	0.000362	0	0.419343	0	0.005786
21	0	0.000362	0	0.000329	0	0	0.259476	0	0.000625
22	0	0.000657	0	9.86E-05	0.000855	6.57E-05	0.198297	0	0.000427
23	0	0.000625	0	0.000164	3.29E-05	0	0.303034	0	0.001446
24	0	0.00263	0	0	0.000329	0	0.215655	0	0.002235
25	0	0.001052	0	0.00046	3.29E-05	0.000427	0.270587	3.29E-05	0.001216
26	0	0.000493	0	0.000526	3.29E-05	6.57E-05	0.181564	0	0.000362
27	0	6.57E-05	0	0.009271	3.29E-05	3.29E-05	0.15201	0	0.002334
28	0	0	0	0.002268	6.57E-05	0	0.107992	0	0.006115
29	0	0.000394	0	0.007167	9.86E-05	3.29E-05	0.081462	9.86E-05	0.001282
30	0	0	0	0.000756	0.000164	0	0.129031	0	0.001414
31	0	0	0	0.000789	9.86E-05	0	0.051251	0	0.002334
32	0	0.000263	0	0.006279	0.00069	0	0.184391	0	0.023998
33	0	0.000131	0	0.07709	0.002761	0	0.274499	0	0.000131
34	0	0	0	0.000427	0.000394	0	0.383116	0	0.00023
35	0	0	0	0.000394	0.000164	0	0.102863	0	0.000263
36	6.57E-05	0.000986	0	0	0.000723	0.002663	0.018245	0	0.009797
37	0	3.29E-05	0	0	0	0	0.015352	0	0.001183
38	0	0	0	0	0	0	0.086525	0	0.000493
39	0	3.29E-05	0	3.29E-05	0	9.86E-05	0.02127	0	0.474144
40	0	3.29E-05	0	0	0	3.29E-05	0.007594	0	0.001183
41	0	0	0	6.57E-05	0	3.29E-05	0.000986	0	0.001151
42	0	0	0	0	6.57E-05	0.000427	0.002235	0	0.030737
43	0	0	0	0.001052	0	0	0.058154	0	0.006706
44	0	0	0	0	0	0	0.011966	0	0
45	0	0	0	0	0	0	0.005326	0	0.00023
46	0	0	0	0	0	6.57E-05	0.006213	0	0.001216
47	0	0	0	0	0	0	0.000394	0	0.000197
48	0	0.000756	0	0.001282	0.000756	3.29E-05	0.124495	0	0.00812
49	0	0.008251	0	0.00046	0.006213	0	0.245899	0	0.000329
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2	0	9.86E-05	0	3.29E-05	0.000197	0	0.321674	0 0.000888
3	0	0.00023	0	0.000164	0.000329	0.000197	0.207469	0 0.000164
4	0	0.000131	0	0.000394	0.000131	3.29E-05	0.337256	0 0.003452
5	0	3.29E-05	0	0	0	0	0.31648	0 0.000394
6	0	0	0	0	0	6.57E-05	0.201946	0 0.002235
7	0	3.29E-05	0	3.29E-05	0	0	0.26204	0 3.29E-05
8	0	0	0	0	0	0.000131	0.142312	0 0.013117
9	0	0	0	0	0	0	0.064072	0 0.027976
10	0	0	0	0	0	0.000625	0.108156	0 0.002663
11	0	0	0	0.000526	0	0	0.118511	0 0.010322
12	0	0	0	0	0	0	0.056083	0 0.002104
13	0	0	0	0	0	0	0.063184	0 0.00069
14	0	3.29E-05	0	3.29E-05	0	0	0.009336	0 0.007298
15	0	0	0	0.000329	0	0	0.023702	0.002663 0.036326
16	0	3.29E-05	0	6.57E-05	0	0	0.003715	0 0.004537
17	0	0	0	0	0	0	0.004635	0 0.004898
18	0	0	0	0	0	0.000131	0.001709	0 0.005786
19	0	0	0	0	0	0.000197	0.001216	0 0.010914
20	0	0	0	0	0	0	0.000756	0 0.00332
21	0	0	0	0	0	0.000197	0.000394	0 0.000394
22	0	0	0	0	0	0	0.001052	0 0.005293
23	0	0	0	0	3.29E-05	0	0.000855	0 0.000362
24	0	0	0	0	0	0	0.00092	0 0.004898
25	0	0	0	0	0	0	0.00069	0 0.002531
26	0	3.29E-05	0	0.008679	0	0	0.074592	0 0.000263
27	0	0	0	0.002071	0	0	0.195897	0 0.000855
28	0	0	0	0	0	0	0.076367	0 0.000164
29	0	0	0	0.004175	3.29E-05	0.000131	0.195733	0 0.007725
30	0	0.000329	0	0.004767	0.001118	0	0.089221	0 0.014202
31	0	0.00023	0	0.02196	0.000657	0	0.149972	0 0.00046
32	0	0.000131	0	0.006936	6.57E-05	0	0.138663	0 0.011111
33	0	0.000394	0	0.005917	9.86E-05	0	0.065321	0 6.57E-05
34	0	6.57E-05	0	0.005589	9.86E-05	6.57E-05	0.120057	0 0.00332
35	0	0.002761	0	0.008021	0.001677	0	0.100891	0 9.86E-05
36	0.000197	6.57E-05	0	0.002959	0.000362	0	0.172064	0 0.000822
37	0	0	0	0.000362	0	0	0.045662	0 0.000493
38	0	0.00572	0	0	6.57E-05	0	0.121273	0 0.000625
39	0	6.57E-05	0	0.002301	0	0	0.067819	0 0.008514
40	0	0.000296	0	0	0	0	0.021664	0 0.003748
41	0	0.000526	0	0.000756	0.000131	6.57E-05	0.046583	0 0.008186
42	0	0.083073	0	0.001019	0.000263	3.29E-05	0.148328	0 9.86E-05
43	0	0.000164	0	0.015648	0.002071	0	0.16299	0 0.006147
44	6.57E-05	3.29E-05	0	0.002038	0.001052	0	0.106151	0 0.005654
45	0.000263	6.57E-05	0	0.006608	0.000592	0	0.138992	0 0.000657
46	0.000493	0.000164	0	0.008646	0.002005	0	0.216279	0 0.00309
47	6.57E-05	0	0	0.004537	0.000263	0	0.082744	0 0.021302
48	3.29E-05	0	0	0.000329	6.57E-05	0	0.310069	0 0.000131

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2	0	0	0	0.003715	0	0	0.073835	0 0.000625
3	0	0	0	0.001907	0.000197	0	0.107104	0 0.005687
4	0	0	0	0.001446	0.000197	3.29E-05	0.057398	0 0.000723
5	0	0.000362	0	0.000657	0.000197	0	0.174167	0 0.001315
6	0	0.000526	0	0.00217	0.000559	0	0.06851	0 0.014793
7	0	3.29E-05	0	0.00503	0.000394	0.000164	0.081758	0 0.014596
8	0	9.86E-05	0	0.003583	0.000197	0	0.117722	0 0.001381
9	0	0	0	0.002038	0.000197	0	0.224005	0 6.57E-05
10	0	9.86E-05	0	0.001578	6.57E-05	0	0.130971	0 6.57E-05
11	0	6.57E-05	0	0.003123	0.000592	0	0.105954	0 0.00023
12	0	0	0	0.001841	6.57E-05	0	0.137546	0 0.002235
13	0	0	0	0.000493	0	0	0.081462	0 0.000296
14	0	9.86E-05	0	0.010848	9.86E-05	0	0.21171	0 9.86E-05
15	0	0	0	0.000362	0	0	0.013972	0 0.005687
16	0	0	0	0.000789	0	0	0.167724	0 0.001085
17	0	0	0	0.000625	0	0	0.082547	0 0.00023
18	0	0	0	6.57E-05	0	0	0.010487	0 0.000296
19	0	0	0	0.000394	0	0	0.201519	0 0.00023
20	0	0	0	0.001611	0	0	0.126993	0 6.57E-05
21	0	0	0	0.00069	3.29E-05	0	0.140734	0 0.000296
22	0	0	0	0	3.29E-05	0	0.128768	0 0.000197
23	0	3.29E-05	0	0.000131	3.29E-05	0	0.119859	0 9.86E-05
24	0	0	0	9.86E-05	0	6.57E-05	0.089911	0 0.000197
25	0	0	0	6.57E-05	6.57E-05	6.57E-05	0.072751	0 0.000526
26	0	0.000164	0	0.000362	3.29E-05	0	0.14892	0 9.86E-05
27	0	0	0	0	0	9.86E-05	0.00046	0 0.0048
28	0	0	0	0.000164	0	6.57E-05	0.007824	0 0.002203
29	0	0	0	0	0	0	0.001052	0 0.003057
30	0	0	0	0	0	0	9.86E-05	0 6.57E-05
31	0	0	0	0	0	6.57E-05	0.000953	0 6.57E-05
32	0	0	0	0	0	0	0.000756	0 0.003715
33	0	0	0	3.29E-05	0	0	0.000329	0 0.000394
34	0	0	0	0	0	0	0.000657	0 0.002531
35	0	0	0	0	0	0.000131	0.001644	0 0.009665
36	0	0	0	0	0	0	0.000362	0 3.29E-05
37	0	0	0	0.002005	0.000329	9.86E-05	0.12982	0 0.007167
38	0	9.86E-05	0	0.000986	6.57E-05	0	0.074098	0 0.000164
39	0	0	0	0.001151	0.000362	3.29E-05	0.204083	0 0.00069
40	0	3.29E-05	0	0.008646	0.001775	6.57E-05	0.10546	0 0.005589
41	0	0.001151	0	0.007364	0.000526	3.29E-05	0.185739	0 0.004734
42	0	0.001709	0	0.007923	0.000822	0	0.13679	0 0.000625
43	0	9.86E-05	0	0.000197	9.86E-05	0	0.183931	0 3.29E-05
44	0	0	0	0.023965	9.86E-05	0	0.21572	0 0
45	0	0	0	0.000888	0.00023	0	0.09665	0 0.000625
46	0	0	0	0.001808	0.000986	0	0.21023	0 0.001414
47	0	0	0	0	0	0	0.068904	0 0.000131
48	0	0	0	0	3.29E-05	0	0.053355	0 0.000263
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2	0	0	0	0.001512	0	0.000493	0.120484	0	0.003057
3	0	0	0	0	0	0	0.166574	0	0.000822
4	0	0	0	6.57E-05	0	0	0.128834	0	0.001118
5	0	0	9.86E-05	0.00092	0	0	0.072093	0	0.004734
6	0	0	0	0	0	0	0.092508	0	6.57E-05
7	0	0.000493	0	0.002005	0.000296	0	0.038693	0	0.001282
8	0	0.000362	0	0.00332	0.000197	6.57E-05	0.075939	0	0.00332
9	0	0	0	0	0.00046	0	0.101746	0	0.000723
10	0	0.000296	0	9.86E-05	0	0	0.048588	0	0.006476
11	0	0.000131	0	0.000362	9.86E-05	0	0.021894	0	0.000559
12	0	0	0	0.00046	0	0	0.079523	0	0.001315
13	0	0	0	0.006443	0.000131	0	0.084355	0	9.86E-05
14	0	0	0	0.000986	0	0	0.012032	0	0.009698
15	0	3.29E-05	0	0.001709	0	0	0.021335	0	0.01864
16	9.86E-05	0	0	0.001118	3.29E-05	0	0.057694	0	3.29E-05
17	0.000131	3.29E-05	0	0.002203	0	0	0.079227	0	0.000164
18	6.57E-05	0	0	0.000427	0	0	0.009665	0	0.000131
19	0.000329	0	0	0.009534	6.57E-05	0	0.059371	0	0.000592
20	0.000197	0	0	0	6.57E-05	0	0.145271	0	0.000986
21	0	0	0	0.000625	6.57E-05	0	0.008186	0	0.000657
22	0.00092	6.57E-05	0	0.00572	0.000263	0	0.108846	0	0
23	0	9.86E-05	0	0.006279	0.000953	6.57E-05	0.057694	0	0.001414
24	0	0	0	0.001052	0	0	0.018114	0	0.000756
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4	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	3.29E-05	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	3.29E-05	0	0	0	0	0
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16	0	0	0	3.29E-05	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0.000362	0	0	0	0	0
20	0	0	0	3.29E-05	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
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32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	3.29E-05	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	6.57E-05	0	0	0	0	0
43	0	0	0	6.57E-05	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0.056313	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0.03225	0	0	0	0	0
49	0	0	0	0.000723	0	0	0	0	0
50	0	0	0	0.007923	0	0	0	0	0
51	0	0	0	0.002301	0	0	0	0	0
52	0	0	0	0.000493	0	0	0	0	0
53	0	0	0	0.012426	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0.000592	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
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2	0	0	0	0.004274	0	0	0	0
3	0	0	0	0.001118	0	0	0	0
4	0	0	0	0.00023	0	0	0	0
5	0	0	0	0.00023	0	0	0	0
6	0	0	0	0	0	0	0	0
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8	0	0	0	0	0	0	0	0
9	0	0	0	3.29E-05	0	0	0	0
10	0	0	0	0	0	0	0	0
11	0	0	0	0.000164	0	3.29E-05	0	0
12	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0
16	0	0	0	0	3.29E-05	0	0	0
17	0	0	0	0	0	0	0	0
18	0	0	0	0.006871	0	0	0	0
19	0	0	0	0.006772	0	0	0	0
20	0	0	0	0.000427	0	0	0	0
21	0	0	0	0.001644	0	0	0	0
22	0	0	0	0.001019	0	6.57E-05	0	0
23	0	0	0	0.000625	0	0	0	0
24	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0
30	0	0	0	0.00046	0	0	0	0
31	0	0	0	6.57E-05	0	0	0	0
32	0	0	0	0.002301	0	0	0	0
33	0	0	0	3.29E-05	0	0	0	0
34	0	0	0	0.002761	0	0	0	0
35	0	0	0	3.29E-05	0	0	0	0
36	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0
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42	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0
44	0	0	0	0.000427	0	0	0	0
45	0	0	0	0.002301	0	0	0	0
46	0	0	0	0	0	0	0	3.29E-05
47	0	0	0	0.007627	0	0	0	0
48	0	0	0	0.004208	0	0	0	0
49	0	0	0	0.001151	0	0	0	0
50	0	0	0	0	0	0	0	0
51	0	0	0	0.001052	0	0	0	0
52	0	0	0	3.29E-05	0	0	0	0
53	0	0	0	0	0	0	0	0
54	0	0	0	0.011933	0	0	0	0
55	0	0	0	6.57E-05	0	0	0	0
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2	0	0	0	3.29E-05	0	0	0	0	0
3	0	0	0	0.000164	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	3.29E-05	0.003287	0	0	0	0	0
6	0	0	0	0.000263	0	0	0	0	0
7	0	0	0	3.29E-05	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	6.57E-05	0	0	0	0	0
16	0	0	0	0.000421	0	0	0	0	0
17	0	0	0	0.000789	0	0	0	0	0
18	0	0	0	3.29E-05	0	0	0	0	0
19	0	0	0	0.000953	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
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25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0.005128	0	0	0	0	0
28	0	0	0	0.001216	0	0	0	0	0
29	0	0	0	0.001742	0	0	0	0	0
30	0	0	0	0.002137	0	0	0	0	0
31	0	0	0	0.003649	0	0	0	0	0
32	0	0	0	0.000329	0	0	0	0	0
33	0	0	0	0.000592	0	0	0	0	0
34	0	0	0	6.57E-05	0	0	0	0	0
35	0	0	0	0.000592	0	0	0	0	0
36	0	0	0	3.29E-05	0	0	0	0	0
37	0	0	0	0.002203	0	0	0	0	0
38	0	0	3.29E-05	0.000427	0	0	0	0	0
39	0	0	0	0.015385	0	0	0	0	0
40	0	0	0	0.009764	0	0	0	0	0
41	0	0	0	0.012689	0	0	0	0	0
42	0	0	0	0.010618	0	0	0	0	0
43	0	0	3.29E-05	0.003978	0	0	0	0	0
44	0	0	0	0.006246	0	0	0	0	0
45	0	0	0	0.003419	0	0	0	0	0
46	0	0	9.86E-05	0.025247	0	0	0	0	0
47	0	0	0	0.032447	0	0	0	0	0
48	0	0	0	0.001709	0	0	0	0	0
49	0	0	0	0.002761	0	0	0	0	0
50	0	0	0	0.005128	0	0	0	0	0
51	0	0	0	0.004011	0	0	0	0	0
52	0	0	0	0.012131	0	0	0	0	0
53									
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2	0	0	0	0.006805	0	0	0	0	0
3	0	0	0	0.000197	0	0	0	0	0
4	0	0	0	0.001249	0	0	0	0	0
5	0	0	0	0.000789	0	0	0	0	0
6	0	0	0	0.001644	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	3.29E-05	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	3.29E-05	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	3.29E-05	0	0	0	0	0
17	0	0	0	0	6.57E-05	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	3.29E-05	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	6.57E-05	0	0	0	0	0
24	0	0	0	3.29E-05	0	0	0	0	0
25	0	0	0	3.29E-05	0	0	0	0	0
26	0	0	0	3.29E-05	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	6.57E-05	0.014136	0	0	0	0	0
29	0	0	0	0.003518	0	0	0	0	0
30	0	0	0.000263	0.015681	0	0	0	0	0
31	0	0	0	0.001315	0	0	0	0	0
32	0	0	0	0.00069	0	0	0	0	0
33	0	0	0	0.00046	0	0	0	0	0
34	0	0	0	0.000657	0	0	0	0	0
35	0	0	0	0.001808	0	0	0	0	0
36	0	0	0	0.002729	0	0	0	0	0
37	0	0	0	0.001545	0	0	0	0	0
38	0	0	0	0.000296	0	3.29E-05	0	0	0
39	0	0	0	0.014596	0	0	0	0	0
40	0	0	0	0.002071	0	0	0	0	0
41	0	0	0	0.004767	0	0	0	0	0
42	0	0	0	0.000526	0	0	0	0	0
43	0	0	0	0.00069	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	6.57E-05	0	0	0	0	0
46	0	0	0	9.86E-05	0	0	0	0	0
47	0	0	0	0.000789	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	3.29E-05	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	3.29E-05	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
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57	0	0	0	0	0	0	0	0	0
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2	0	0	0	0	0	0	0	0	0
3	0	0	0	3.29E-05	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
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6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	3.29E-05	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0.002203	0	0	0	0	0
16	0	0	0	0.00092	0	0	0	0	0
17	0	0	0	0.004898	0	0	0	0	0
18	0	0	0	0.006969	0	0	0	0	0
19	0	0	0	3.29E-05	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	6.57E-05	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	6.57E-05	0	0	0	0	0
29	0	0	0	0.000197	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0.000164	0	0	0	0	0
32	0	0	0	0.012163	0	0	0	0	0
33	0	0	0	0.006509	0	0	0	0	0
34	0	0	0	0.001151	0	6.57E-05	0	0	0
35	0	0	0	0.001019	0	0	0	0	0
36	0	0	0	0.001249	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0.00046	0	0	0	0	0
40	0	0	0	0.002433	0	0	0	0	0
41	0	0	0	0.000493	0	0	0	0	0
42	0	0	0	0.000362	0	0	0	0	0
43	0	0	0	9.86E-05	0	0	0	0	0
44	0	0	0	0.003419	0	0	0	0	0
45	0	0	0	0.003123	0	0	0	0	0
46	0	0	0	0.004504	0	0	0	0	0
47	0	0	0	0.127848	0	0	0	0	0
48	0	0	0	0.0048	0	0	0	0	0
49	0	0	0	0.009139	0	0	0	0	0
50	0	0	0	0.010914	0	0	0	0	0
51	0	0	0	0.007561	0	0	0	0	0
52	0	0	6.57E-05	0.011637	0	0	0	0	0
53									
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1									
2	0	0	0	0.010158	0	0	0	0	0
3	0	0	0	0.001512	0	0	0	0	0
4	0	0	0	0.003189	0	0	0	0	0
5	0	0	0	9.86E-05	0	0	0	0	0
6	0	0	0	0.000625	0	0	0	0	0
7	0	0	0	9.86E-05	0	0	0	0	0
8	0	0	0	0.006082	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	9.86E-05	0	0	0	0	0
11	0	0	0	0.00549	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0.040534	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0.000756	0	0	0	0	0
16	0	0	0	0.012689	0	0	0	0	0
17	0	0	0	0.005819	0	0	0	0	0
18	0	0	0	0.000164	0	0	0	0	0
19	0	0	0	0.002268	0	0	0	0	0
20	0	0	0	0.00332	0	0	0	0	0
21	0	0	0	0.005227	0	0	0	0	0
22	0	0	0	0.013281	0	0	0	0	0
23	0	0	0	0.004734	0	0	0	0	0
24	0	0	0	6.57E-05	0	0	0	0	0
25	0	0	0	0.000362	0	0	0	0	0
26	0	0	0	9.86E-05	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0.000131	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0.005227	0	0	0	0	0
36	0	0	0	0.000329	0	0	0	0	0
37	0	0	0	0.004471	0	0	0	0	0
38	0	0	0	0.01006	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0.005227	0	0	0	0	0
41	0	0	0	0.000329	0	0	0	0	0
42	0	0	0	0.004471	0	0	0	0	0
43	0	0	0	0.01006	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	9.86E-05	0	9.86E-05	0	0	0
46	0	0	0	0.002137	0	0	0	0	0
47	0	0	0	0.000855	0	0	0	0	0
48	0	0	0	0.00023	0	0	0	0	0
49	0	0	0	0.000197	0	0	0	0	0
50	0	0	0	0.003452	0	0	0	0	0
51	0	0	0	0.001479	0	0	0	0	0
52	0	0	3.29E-05	0.000756	0	0	0	0	0
53	0	0	3.29E-05	0.001052	0	0	0	0	0
54	0	0	0	0.00069	0	0	0	0	0
55									
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2	0	0	0	0.003879	0	0	0	0	0
3	0	0	3.29E-05	0.005819	0	0	0	0	0
4	0	0	0	0.001841	0	0	0	0	0
5	0	0	0	0.006016	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0.000131	0	0	0	0	0
8	0	0	0	0.000131	0	0	0	0	0
9	0	0	9.86E-05	0.037641	0	0	0	0	0
10	0	0	0.000329	0.040632	0	0	0	0	0
11	0	0	0.000197	0.091949	0	0	0	0	0
12	0	0	0.000164	0.031526	0	0	0	0	0
13	0	0	3.29E-05	0.00835	0	0	0	0	0
14	0	0	0.000723	0.033696	0	0	0	0	0
15	0	0	6.57E-05	0.038233	0	0	0	0	0
16	0	0	6.57E-05	0.051415	0	0	0	0	0
17	0	0	0	6.57E-05	0	0	0	0	0
18	0	0	0	6.57E-05	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0.000362	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	3.29E-05	0	0	0	0	0
32	0	0	0	0.001841	0	0	0	0	0
33	0	0	0	0.00457	0	0	0	0	0
34	0	0	0	0.002597	0	0	0	0	0
35	0	0	0	0.000657	0	0	0	0	0
36	0	0	0	0.000131	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	6.57E-05	0	0	0	0
40	0	0	0	0.000559	0	0	0	0	0
41	0	0	0	0.002005	0	0	0	0	0
42	0	0	0	0.000822	0	0	0	0	0
43	0	0	0	0.00023	0	0	0	0	0
44	0	0	0	3.29E-05	0	0	0	0	0
45	0	0	0	0.000526	0	0	0	0	0
46	0	0	0	3.29E-05	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	3.29E-05	0	0	0	0	0
54	0	0	0	0.000855	0	0	0	0	0
55	0	0	0	0.00046	0	0	0	0	0
56	0	0	0	0.001085	0	0	0	0	0
57									
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1								
2	0	0	0 0.002268	0	0	0	0	0
3	0	3.29E-05	0 0.000526	0	0	0	0	0
4	0	0	0 0.005457	0	0	0	0	0
5	0	0	0 0.000296	0	0	0	0	0
6	0	0	0 0	0	0	0	0	0
7	0	0	0 0	0	0	0	0	0
8	0	0	0 0	0	0	0	0	0
9	0	0	0 0	0	0	0	0	0
10	0	0	0 9.86E-05	0	0	0	0	0
11	0	0	0 9.86E-05	0	0	0	0	0
12	0	0	0 9.86E-05	0	0	0	0	0
13	0	0	0 0	0	0	0	0	0
14	0	0	0 0	0	0	0	0	0
15	0	0	0 0	0	0	0	0	0
16	0	0	0 3.29E-05	0	0	0	0	0
17	0	0	0 0	0	0	0	0	0
18	0	0	0 0.000625	0	0	0	0	0
19	0	0	0 0.002761	0	0	0	0	0
20	0	0	0 0	0	0	0	0	0
21	0	0	0 3.29E-05	0	0	0	0	0
22	0	0	0 0	0	0	0	0	0
23	0	0	0 3.29E-05	0	0	0	0	0
24	0	0	0 3.29E-05	0	0	0	0	0
25	0	0	0 3.29E-05	0	0	0	0	0
26	0	0	0 3.29E-05	0	0	0	0	0
27	0	0	0 3.29E-05	0	0	0	0	0
28	0	0	0 0	0	0	0	0	0
29	0	0	0 0.000164	0	0	0	0	0
30	0	0	0 0	0	0	0	0	0
31	0	0	0 9.86E-05	0	0	0	0	0
32	0	0	0 0	0	0	0	0	0
33	0	0	0 0.019725	0	0	0	0	0
34	0	0	0 0.000131	0	0	0	0	0
35	0	0	0 0.020316	0	0	0	0	0
36	0	0	0 0.012131	0	0	0	0	0
37	0	0	0 3.29E-05	0	0	0	0	0
38	0	0	0 3.29E-05	0	0	0	0	0
39	0	0	0 0	0	0	0	0	0
40	0	0	0 0	0	0	0	0	0
41	0	0	0 0	0	0	0	0	0
42	0	0	0 0.005424	0	0	0	0	0
43	0	0	0 0.002334	0	0	0	0	0
44	0	0	0 0.004602	0	0	0	0	0
45	0	0	0 9.86E-05	0	0	0	0	0
46	0	0	0 0	0	0	0	0	0
47	0	0	0 0	0	0	0	0	0
48	0	0	0 0.007002	0	0	0	0	0
49	0	0	0 0.014202	0	0	0	0	0
50	0	0	0 0.015122	0	0	0	0	0
51	0	0	0 0.001052	0	0	0	0	0
52	0	0	0 0	0	0	0	0	0
53	0	0	0 0	0	0	0	0	0
54	0	0	0 0	0	0	0	0	0
55	0	0	0 0	0	0	0	0	0
56	0	0	0 0	0	0	0	0	0
57	0	0	0 0	0	0	0	0	0
58								
59								
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2	0	0	0	3.29E-05	0	0	0	0	0
3	0	0	0	0.002498	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0.000197	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	3.29E-05	0	0	0	0	0
22	0	0	0	0	3.29E-05	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	6.57E-05	0	0	0	0	0
32	0	0	0	0.008021	0	0	0	0	0
33	0	0	0	0.000296	0	0	0	0	0
34	0	0	6.57E-05	0.003879	0	0	0	0	0
35	0	0	0	0.002137	0	0	0	0	0
36	0	0	0	0.002071	0	0	0	0	0
37	0	0	0	0.004109	0	0	0	0	0
38	0	0	0	0.000888	0	0	0	0	0
39	0	0	0	0.0119	0	0	0	0	0
40	0	0	0	0.000888	0	0	0	0	0
41	0	0	6.57E-05	0.003616	0	0	0	0	0
42	0	0	0	3.29E-05	0	0	0	0	0
43	0	0	0	0.014333	0	0	0	0	0
44	0	0	0	0.020711	0	0	0	0	0
45	0	0	0	0.00526	0	0	0	0	0
46	0	0	0	0.018015	0	0	0	0	0
47	0	0	0	0.014728	0	0	0	0	0
48	0	0	0	0.017423	0	0	0	0	0
49	0	0	0	0.01052	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0.00217	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
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2	3.29E-05	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	3.29E-05	0	0	0	0	0
5	0	0	0	0	0.000822	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0.000131	0.023176	0	0	0	0	0
8	0	0	3.29E-05	0.019396	0	0	0	0	0
9	0	0	0	0.006147	0	0	0	0	0
10	0	0	6.57E-05	0.028305	0	0	0	0	0
11	0	0	0	0.016897	0	0	0	0	0
12	0	0	3.29E-05	0.073309	0	0	0	0	0
13	0	0	0	0.00332	0	0	0	0	0
14	0	0	0	0.01933	0	0	0	0	0
15	0	0	0	0.074296	0	0	0	0	0
16	0	0	0	0.01739	0	0	0	0	0
17	0	0	0	0.004471	0	0	0	0	0
18	0	0	0	0.002729	0	0	0	0	0
19	0	0	0	0.006936	0	0	0	0	0
20	0	0	0	0.004438	0	0	0	0	0
21	0	0	0	0.007068	0	0	0	0	0
22	0	0	0	0.009106	0	0	0	0	0
23	0	0	0	0.000493	0	0	0	0	0
24	0	0	0	0.000559	0	0	0	0	0
25	0	0	0	0.000296	0	0	0	0	0
26	0	0	0	0.005161	0	0	0	0	0
27	0	0	0	0.077846	0	0	0	0	0
28	0	0	0	0.012788	0	0	0	0	0
29	0	0	0	0.001414	0	0	0	0	0
30	0	0	0	0.006772	0	0	0	0	0
31	0	0	0	0.094678	0	0	0	0	0
32	0	0	0.001183	0.05158	0	0	0	0	0
33	0	0	9.86E-05	0.001907	0	0	0	0	0
34	0	0	0	0.011802	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0.00263	0	0	0	0	0
38	0	0	0	0.000197	0	0	0	0	0
39	0	0	0	6.57E-05	0	0	0	0	0
40	0	0	0	9.86E-05	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0.00092	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	3.29E-05	0	0	0	0	0
48	0	0	0	6.57E-05	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0.00092	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	3.29E-05	0	0	0	0	0
57	0	0	0	6.57E-05	0	0	0	0	0
58									
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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0.001151	0	0	0	0	0
4	0	0	0	0.00069	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	3.29E-05	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	3.29E-05	0	0	0	0	0
12	0	0	0	0.00572	0	0	0	0	0
13	0	0	0	6.57E-05	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	9.86E-05	0	0	0	0	0
17	0	0	0	0.004372	0	0	0	0	0
18	0	0	0	0.000131	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	3.29E-05	0	3.29E-05	0	3.29E-05	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	3.29E-05	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	6.57E-05	0	0	0	0	0
28	0	0	0	9.86E-05	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0.000329	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0.001841	0	0	0	0	0
35	0	0	0	0.029685	0	0	0	0	0
36	0	0	0	0.00194	0	0	0	0	0
37	0	0	0	0.00023	0	0	0	0	0
38	0	0	0	0.000329	0	0	0	0	0
39	0	0	0	0.003386	0	0	0	0	0
40	0	0	0	0.001348	0	0	0	0	0
41	0	0	0	0.001348	0	0	0	0	0
42	0	3.29E-05	9.86E-05	0.01578	0	0	0	0	0
43	0	0	0	0.000362	0	0	0	0	0
44	0	0	0	0.04678	0	0	0	0	0
45	0	0	0	0.00263	0	0	0	0	0
46	0	0	0	0.000625	0	0	0	0	0
47	0	0	0	0.009665	0	0	0	0	0
48	0	0	0	0.004372	0	0	0	0	0
49	0	0.000164	3.29E-05	0.034617	0	0	0	0	0
50	0	0	0	0.004471	0	0	0	0	0
51	0	0.000164	0.000164	0.014399	0	0	0	0	0
52	0	0.000164	9.86E-05	0.017127	0	0	0	0	0
53	0	3.29E-05	0	0.000855	0	0	0	0	0
54	0	0	0	0.001052	0	0	0	0	0
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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0.000427	0	0	0	0	0
4	0	0	0	0.000329	0	0	0	0	0
5	0	0	6.57E-05	0.005753	0	0	0	0	0
6	0	0	0	0.009928	0	0	0	0	0
7	0	0	0	0.019593	0	0	0	0	0
8	0	0	0	0.025806	0	0	0	0	0
9	0	0	0	0.028239	0	0	0	0	0
10	0	0	0	0.002334	0	0	0	0	0
11	0	0	0	0.044019	0	0	0	0	0
12	0	0	0	0.00618	0	0	0	0	0
13	0	0	0	0.042079	0	0	0	0	0
14	0	0	0	0.043591	0	0	0	0	0
15	0	0	0	0.00023	0	0	0	0	0
16	0	0	0	0.00194	0	0	0	0	0
17	0	0	0	0.000493	0	0	0	0	0
18	0	0	0	0.000164	0	0	0	0	0
19	0	0	0	0.000493	0	0	0	0	0
20	0	0	0	0.000625	0	0	0	0	0
21	0	0	0	0.001348	0	0	0	0	0
22	0	0	0	0.000625	0	0	0	0	0
23	0	0	0	0.002564	0	0	0	0	0
24	0	0	0	0.000855	0	0	0	0	0
25	0	0	0	9.86E-05	0	0	0	0	0
26	0	0	0	0.002992	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0.000526	0	0	0	0	0
29	0	0	0	0.000164	0	0	0	0	0
30	0	0	0	3.29E-05	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
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39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0.00023	0.00263	0	0	0	0	0
45	0	0	0	0.002038	0	0	0	0	0
46	0	0	9.86E-05	0.002005	0	0	0	0	0
47	0	0	0.000131	0.002959	0	0	0	0	0
48	0	0	0	0.021565	0	0	0	0	0
49	0	0	0	0.004734	0	0	0	0	0
50	0	0	0	0.003682	0	0	0	0	0
51	0	0	0	3.29E-05	0	0	0	0	0
52	0	0	0	3.29E-05	0	0	0	0	0
53	0	0	0	0.002696	0	0	0	0	0
54	0	0	0	9.86E-05	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
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2	0	0	0	0.007462	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	6.57E-05	0.006246	0	0	0	0	0
9	0	0	0.00023	0.043591	0	0	0	0	0
10	0	0	0	0.042736	0	0	0	0	0
11	0	0	0	0.000197	0	0	3.29E-05	0	0
12	0	0	3.29E-05	0.012426	0	0	0	0	0
13	0	0	0	0.000888	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0.000625	0	0	0	0	0
16	0	0	0	0.001545	0	0	0	0	0
17	0	0	0	0.000625	0	0	0	0	0
18	0	0	3.29E-05	0.001151	0	0	0	0	0
19	0	0	0	0.000526	0	0	0	0	0
20	0	0	0	0.003189	0	0	0	0	0
21	0	0	3.29E-05	0.006673	0	0	0	0	0
22	0	0	0	0.000164	0	0	0	0	0
23	0	0	0.000131	0.006641	0	0	0	0	0
24	0	0	0	0.005424	0	0	0	0	0
25	0	0	0	0.000362	0	0	0	0	0
26									
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k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
0	0	0	0	0	0	0.000723	0	0	
0	0	0	0	0	0	9.86E-05	0	0	
0	0	0	0	0	0	9.86E-05	0	0	
0	0	0	0	0	0	0	0	0	
0	3.29E-05	0	0	0	0	0.000493	0	0	
0	0	0	0	0	0	3.29E-05	0	0	
0	3.29E-05	0	0	0	0	3.29E-05	0	0	
0	0	0	0	0	0	3.29E-05	0	0	
0	0.000526	0	0	0	0	0	0	0	
0	3.29E-05	0	0	0	0	9.86E-05	0	0	
0	0	0	0	0	0	0	0	0	
0	0.000427	0	0	0	0	0.000164	0	0	
0	0.00069	0	0	0	0	3.29E-05	0	0	
0	0.000197	0.0143	0	0	0	9.86E-05	6.57E-05	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	3.29E-05	0	0	0	0	6.57E-05	0	
0	0.000559	0	0	0	0	0.000953	0	0	
0	0.001381	0	0	0	0	0.000197	0	0	
0	6.57E-05	0	0	0	0	0.00023	0	0	
0	0.000822	0	0	0	0	0.000559	0	0	
0	0.000756	0	0	0	0	0	0	0	
0	0.004241	0	0	0	0	0.00046	0	0	
0	0.001151	0	0	0	0	9.86E-05	0	0	
0	0.000263	0	0	0	0	0	0	0	
0	0.000888	0	0	0	0	0	0	9.86E-05	
0	0.000888	0	0	0	0	0	0	0	
0	0.001972	0	0	0	0	0	0	0	
0	0.001085	0	0	0	0	0	0	0	
0	0.001019	0	0	0	0	0	0	0	
0	0.000953	0	0	0	0	9.86E-05	0	0	
0	0.001348	0	0	0	0	0.000394	0	0	
0	0.000625	0	0	0	0	0	0	0	
0	0.001545	0	0	0	0	9.86E-05	0	0	
0	0.002498	0	0	0	0	6.57E-05	0	0	
0	0.001841	0	0	0	0	0.000164	0	0	
0	0.003287	0	0	0	0	0.000592	0	0	
0	0.001085	0	0	0	0	9.86E-05	0	0	
0	0.001907	0	0	0	0	0.000164	0	0	
0	0.00194	0	0	0	0	3.29E-05	0	0	
0	0	0	0	0	0	0.000329	0	0	

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2	0	0.002301	0	0	0	0	0.000493	0	0
3	0	0.000723	0	0	0	0	0.000296	0	0
4	0	0.00069	0	0	0	0	0.000197	0	0
5	0	0.001414	0	0	0	0	0.000197	0	0
6	0	0.000625	0	0	0	0	6.57E-05	0	0
7	0	0.000131	0	0	0	0	9.86E-05	0	0
8	0	0.000164	0	0	0	0	0	0	0
9	0	0.000394	0	0	0	0	0	0	0
10	0	0.000394	0	0	0	0	0	0	0
11	0	0.013939	0	0	0	0	0.001446	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	3.29E-05	0	0	0	0	0	3.29E-05	0
17	0	3.29E-05	0	0	0	0	0	0	0
18	0	0.006904	0	0	0	0	0.009534	0	0
19	0	0.000493	0	0	0	0	0	0	0
20	0	0.000493	0	0	0	0	0	0	0
21	0	0.003879	0	0	0	0	0.001446	0	0
22	0	0.005358	0	0	0	0	0.001972	0	0
23	0	0.002531	3.29E-05	0	0	0	0.000526	6.57E-05	0
24	0	0.001709	0	0	0	0	0.000592	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0.001118	0	0	0	0	0.000329	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0.000263	0	0	0	0	0.00046	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0.000657	0	0	0	0	0.000559	0	0
36	0	0.000296	0	0	0	0	0.000263	0	0
37	0	0.003649	0	0	0	0	0.002235	0	0
38	0	0.003616	0	0	0	0	0.001611	0	0
39	0	0.000362	0	0	0	0	0.001446	0	0
40	0	0.001019	0	0	0	0	0.001446	0	0
41	0	0.000789	0	0	0	0	0.000855	0	0
42	0	0.004438	0	0	0	0	0.001446	0	0
43	0	0.001381	0	0	0	0	0.00092	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0.000888	0	0	0	0	0.000296	0	0
46	0	0.001315	0	0	0	0	0.000723	0	0
47	0	0.00286	0	0	0	0	0.000756	0	0
48	0	3.29E-05	0	0	0	0	0.00069	0	0
49	0	0	0	0	0	0	0.00046	0	0
50	0	0	0	0	0	0	3.29E-05	0	0
51	0	3.29E-05	0	0	0	0	0	0	0
52	0	0.001085	0	0	0	0	3.29E-05	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
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1									
2	0	3.29E-05	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0.000855	0	0	0	0	9.86E-05	0	0
6	0	0	0	0	0	0	0	0	0
7	0	3.29E-05	0	0	0	0	9.86E-05	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	6.57E-05	0	0
10	0	0	0	0	0	0	0.00023	0	0
11	0	0.001808	0	0	0	0	0.000953	0	0
12	0	0.000723	0	0	0	0	0.000592	0	0
13	0	0.001052	0	0	0	0	0.000559	0	0
14	0	0.000421	0	0	0	0	0.000281	0	0
15	0	9.86E-05	0	0	0	0	0.000131	0	0
16	0	3.29E-05	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0.00023	0	0
20	0	0	0	0	0	0	0	0	0
21	0	3.29E-05	0	0	0	0	0	0.000131	0
22	0	3.29E-05	0	0	0	0	0.000197	3.29E-05	0
23	0	0.004997	0	0	0	0	0.001052	0	0
24	0	0.005161	0	0	0	0	0.00046	0	0
25	0	0.001381	0	0	0	0	0.00069	0	0
26	0	0.001775	0	0	0	0	0.000197	0	0
27	0	0.003682	0	0	0	0	0.001874	0	0
28	0	0.000559	0	0	0	0	0	0	0
29	0	0.006608	0	0	0	0	0.000362	0	0
30	0	3.29E-05	0	0	0	0	3.29E-05	0	0
31	0	0.000131	0	0	0	0	0	0	0
32	0	0.000197	0	0	0	0	0	0	0
33	0	0.001414	0	0	0	0	0.000559	0	0
34	0	0.021565	0	0	0	0	0.000164	0	0
35	0	0.002071	0	0	0	0	0.000131	0	0
36	0	0.00286	0	0	0	0	6.57E-05	0	0
37	0	0.001512	0	0	0	0	6.57E-05	0	0
38	0	0.004997	0	0	0	0	0.002367	0	0
39	0	0.000789	0	0	0	0	9.86E-05	0	0
40	0	0.001216	0	0	0	0	9.86E-05	0	0
41	0	0.001052	0	0	0	0	0	0	0
42	0	0.017555	9.86E-05	0	0	0	0.004044	0	0
43	0	0.013446	0	0	0	0	0.004734	0	0
44	0	0.00194	0	0	0	0	0.000888	0	0
45	0	0.00217	0	0	0	0	0.000164	0	0
46	0	0.006904	0	0	0	0	0.000625	0	0
47	0	0.005589	0	0	0	0	0.000296	0	0
48	0	0.003649	0	0	0	0	0.00046	0	0

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2	0	0.001611	0	0	0	0	0.00046	0	0
3	0	0.001216	0	0	0	0	0.000723	0	0
4	0	0.000263	0	0	0	0	0.00092	0	0
5	0	0.000427	0	0	0	0	0.00023	0	0
6	0	0.000329	0	0	0	0	9.86E-05	0	0
7	0	3.29E-05	0	0	0	0	0	0	0
8	0	3.29E-05	0	0	0	0	6.57E-05	0	0
9	0	0	0	0	0	0	0	0	0
10	0	6.57E-05	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	3.29E-05	0	0	0	0	0	0	0
13	0	0.000526	0	0	0	0	6.57E-05	0	0
14	0	0.002663	0	0	0	0	0.000526	0	0
15	0	0.001742	0	0	0	0	0.000131	9.86E-05	0
16	0	0.000789	0	0	0	0	3.29E-05	0	0
17	0	0.000756	0	0	0	0	0	0	0
18	0	0.000263	0	0	0	0	0	0	0
19	0	0.000263	0	0	0	0	0	0.000164	0
20	0	0.000296	0	0	0	0	0	0	6.57E-05
21	0	0.000329	0	0	0	0	0	0	0
22	0	0.000263	0	0	0	0	0	0.00023	0
23	0	0.000362	0	0	0	0	3.29E-05	9.86E-05	0
24	0	0.009106	0	0	0	0	0.000855	0	0
25	0	0.002235	0	0	0	0	6.57E-05	0	0
26	0	0.001183	0	0	0	0	9.86E-05	0	0
27	0	0.000855	0	0	0	0	0	0	0
28	0	0.004438	0.000131	0	0	0	0	0.000526	0
29	0	0.004865	0	0	0	0	0	0	0
30	0	0.004241	0	0	0	0	0	0	0
31	0	0.001874	0	0	0	0	9.86E-05	0	0
32	0	0.001709	0	0	0	0	0	0	0
33	0	0.003682	0	0	0	0	0.000559	0	0
34	0	0.021796	0	0	0	0	0.001348	0.000197	0
35	0	3.29E-05	0	0	0	0	3.29E-05	0	0
36	0	0.000723	0	0	0	0	0	0	0
37	0	0.011309	0	0	0	0	0.000657	3.29E-05	0
38	0	0.000131	0	0	0	0	9.86E-05	0	0
39	0	0.013117	0	0	0	0	0.000822	0	0
40	0	0.001183	0	0	0	0	0.000526	0	0
41	0	0.001512	0	0	0	0	0.000197	0	0
42	0	0.001775	0	0	0	0	0.000657	0	0
43	0	0.000131	0	0	0	0	3.29E-05	0	0
44	0	3.29E-05	0	0	0	0	0	0	0
45	0	0.000888	0	0	0	0	0.000263	0	0
46	0	0.000723	0	0	0	0	6.57E-05	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
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2	0	3.29E-05	0	0	0	0	0	0	0
3	0	3.29E-05	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0.000164	0
5	0	6.57E-05	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0.001414	0	0	0	0	0.000296	0	0
9	0	0.000362	0	0	0	0	6.57E-05	0	0
10	0	0.000131	0	0	0	0	6.57E-05	0	0
11	0	0.000789	0	0	0	0	0	3.29E-05	0
12	0	0.001315	6.57E-05	0	0	0	0.000756	6.57E-05	0
13	0	0.000723	0	0	0	0	3.29E-05	0	0
14	0	0.00572	0	0	0	0	0.001414	0	0
15	0	0.001414	0	0	0	0	0.000197	0	0
16	0	0.001249	0	0	0	0	6.57E-05	0	0
17	0	0.007528	0	0	0	0	9.86E-05	0	0
18	0	0	0	0	0	0	0.000263	0	0
19	0	0	0	0	0	0	0.001085	0	0
20	0	0	0	0	0	0	0.000394	0	0
21	0	0	0	0	0	0	0.000427	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0.000526	0	0
24	0	3.29E-05	0	0	0	0	0.000756	0	0
25	0	0.001118	0	0	0	0	0.000625	0	0
26	0	6.57E-05	6.57E-05	0	0	0	0	0	0
27	0	0.00023	0	0	0	0	0	0	0
28	0	0.003616	0	0	0	0	0.001545	0	0
29	0	0.001151	0	0	0	0	0	3.29E-05	0
30	0	0.000362	0	9.86E-05	0	0	6.57E-05	0	0
31	0	0.002137	0	0	0	0	0.000625	0	0
32	0	0.000362	0	0	0	0	0.00023	0	0
33	0	0.001512	0	0	0	0	0.000427	0	0
34	0	3.29E-05	0	0	0	0	0	0	0
35	0	3.29E-05	0	0	0	0	6.57E-05	0	0
36	0	0.000362	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0.000427	0	0
38	0	0	0	0	0	0	0.001841	0	0
39	0	0.00023	0	0	0	0	0.000164	0	0
40	0	0.00023	0	0	0	0	0.002663	0	0
41	0	0.00092	0	0	0	0	0.000592	0	0
42	0	0.002893	0	0	0	0	0.000657	0	0
43	0	0.002433	0	0	0	0	0.000329	0	0
44	0	0.006542	0	0	0	0	0.000296	0	0
45	0	0.015352	0	0	0	0	0.001282	0	0
46	0	0.020119	0	0	0	0	0.001414	0	0
47	0	0.007693	0	0	0	0	0.000592	0	0
48	0	0.006608	0	0	0	0	0.000756	9.86E-05	0
49	0	0.002531	0	0	0	0	0.000559	0.000362	0

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2	0	0.002893	0	0	0	0	0.001216	0	0
3	0	0.001414	0	0	0	0	0.00069	0	0
4	0	0.002071	0	0	0	3.29E-05	0.000427	0	0
5	0	3.29E-05	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0.000855	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0.000559	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	3.29E-05	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0.028995	0	0	0	0	0.001315	0	0
20	0	0.023209	0	0	0	0	0.000723	0	0
21	0	0.007232	0	0	0	0	0.000723	0	0
22	0	0.009073	0	0	0	0	0.000362	0	0
23	0	0.011506	0	0	0	0	0.00069	0	0
24	0	0.027812	0	0	0	0	0.001085	0	0
25	0	0.014892	0	0	0	0	0.001611	0	0
26	0	0.006016	0	0	0	0	0.000592	0	0
27	0	0.000723	0	0	0	0	0.000263	0	0
28	0	0.002959	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	3.29E-05	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0.000263	0	0	0	0	9.86E-05	0	0
37	0	6.57E-05	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0.004997	0	0	0	0	0.00023	0	0
41	0	0.003057	0	0	0	0	0.00023	0	0
42	0	0.003123	0	0	0	0	0.001183	0	0
43	0	0.002729	0	0	0	0	0.000657	3.29E-05	0
44	0	0.009139	0	0	0	0	0.000493	0	0
45	0	0.000625	0	0	0	0	9.86E-05	0.00023	0
46	0	0.004865	0	0	0	0	0.000296	0	0
47	0	0.002301	6.57E-05	0	0	0	0.000131	0	0
48	0	0.001183	0	0	0	0	0.001052	0	0
49	0	0.002531	0	0	0	0	0.00023	6.57E-05	0
50	0	0.00263	0	0	0	0	0	0.00023	0
51	0	0.000986	0	0	0	0	6.57E-05	0	0
52	0	0.000559	0	0	0	0	3.29E-05	0	0
53	0	0.00069	0	0	0	0	9.86E-05	0	0
54	0	0.000559	0	0	0	0	9.86E-05	0	0
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2	0	0.019396	0	0	0	0	0.000625	0	0
3	0	0.002663	0	0	0	0	0.000131	0	0
4	0	0.000822	0	0	0	0	0.000164	0	0
5	0	0.003419	0	0	0	0	0	0	0
6	0	0.00835	0	0	0	0	0.000131	0	0
7	0	0.002433	0	0	0	0	0.001348	0	0
8	0	0.000164	0	0	0	0	0.000296	0	0
9	0	3.29E-05	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0.000263	0	0
11	0	9.86E-05	0	0	0	0	0	0	0
12	0	0.00092	0	0	0	0	0.000493	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0.00046	6.57E-05	0	0	0	0.000197	0	0
15	0	0	0	0	0	0	0.000197	0	0
16	0	0.000625	0	0	0	0	3.29E-05	0	0
17	0	0.003583	0	0	0	0	0.000329	0	0
18	0	0.000296	0	0	0	0	0	0	0
19	0	0.000164	0	0	0	0	0.000131	0	0
20	0	0.002663	0	0	0	0	9.86E-05	0	0
21	0	0.002268	0	0	0	0	0.000822	0	0
22	0	0	0	0	0	0	3.29E-05	0	0
23	0	0.000164	0	0	0	0	0.000263	0	0
24	0	0	0	0	0	0	0.00069	0	0
25	0	0.000362	0	0	0	0	9.86E-05	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	3.29E-05	0	0	0	0	0	0	0
29	0	0.00023	0	0	0	0	0	0	0
30	0	0.002531	0	0	0	0	6.57E-05	0	0
31	0	0.000164	0	0	0	0	9.86E-05	0	0
32	0	6.57E-05	0	0	0	0	0	0	0
33	0	3.29E-05	0	0	0	0	0	0	0
34	0	0.000766	0	0	0	0	0.00023	0	0
35	0	0.000888	0	0	0	0	0.00023	0	0
36	0	0.00641	0	0	0	0	0.000888	6.57E-05	0
37	0	0.000855	0	0	0	0	3.29E-05	0	0
38	0	0.001348	0	0	0	0	9.86E-05	0	0
39	0	9.86E-05	0	0	0	0	9.86E-05	0	0
40	0	0.001052	6.57E-05	0	0	0	0.000559	0	0
41	0	0.00023	0	0	0	0	6.57E-05	0.000296	0
42	0	0.004208	0	0	0	0	6.57E-05	0	0
43	0	0.007331	0	0	0	0	0.001479	6.57E-05	0
44	0	0.012525	0	0	0	0	0.000197	0	0
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2	0	0.003024	0	0	0	0	0.000164	0	0
3	0	0.002268	0	0	0	0	0.000493	0	0
4	0	9.86E-05	0	0	0	0	3.29E-05	0	0
5	0	0.000362	0	0	0	0	0.000164	0	0
6	0	0.000164	0	0	0	0	0.000394	0	0
7	0	0.006443	0	0	0	0	0.000822	0	0
8	0	0.000197	0	0	0	0	0.000329	0	0
9	0	9.86E-05	0	0	0	0	9.86E-05	0	0
10	0	0.000329	0	0	0	0	0.000164	0	0
11	0	0.00046	0	0	0	0	0.00023	0	0
12	0	0.000131	0	0	0	0	0.000394	0	0
13	0	0.000296	0	0	0	0	0.000131	0	0
14	0	0.00046	0	0	0	0	0.000394	0	0
15	0	0.017555	0	0	0	0	0.001512	0	0
16	0	0.000296	0	0	0	0	0.000526	0	0
17	0	3.29E-05	0	0	0	0	0	0	0
18	0	0.000362	0	0	0	0	0	0	0
19	0	0.000164	0	0	0	0	9.86E-05	0	0
20	0	0.000394	0	0	0	0	0.000164	0	0
21	0	3.29E-05	0	0	0	0	0	0	0
22	0	0.004668	0	0	0	0	9.86E-05	0	0
23	0	0.003156	0	0	0	0	0	0	0
24	0	0.000855	0	0	0	0	0	0	0
25	0	0.002926	0	0	0	0	0	0	0
26	0	0.000427	0	0	0	0	0	0	0
27	0	0.000723	0	0	0	0	0	0	0
28	0	0.001479	0	0	0	0	0	0	0
29	0	0.000263	0	0	0	0	0.000131	0	0
30	0	0	0	0	0	0	0	0	0
31	0	9.86E-05	0	0	0	0	0	0	0
32	0	6.57E-05	0	0	0	0	0	0	0
33	0	3.29E-05	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	3.29E-05	0	0	0	0	0	0	0
46	0	0.000592	0	0	0	0	0.000164	0	0
47	0	0.000986	0	0	0	0	0.000756	0	0
48	0	0	0	0	0	0	0.000263	0	0
49	0	0	0	0	0	0	3.29E-05	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0.002696	0	0	0	0	0	0	0
53	0	0.000164	0	0	0	0	0	0	0
54	0	3.29E-05	0	0	0	0	3.29E-05	0	0
55	0	3.29E-05	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	3.29E-05	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
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2	0	9.86E-05	0	0	0	0	0	0	0
3	0	0.002926	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0.000723	0	0
5	0	0.000493	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	3.29E-05	0	0
15	0	0	0	0	0	0	0	9.86E-05	0
16	0	6.57E-05	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	3.29E-05	0	0
22	0	0.012624	0	0	0	0	0.00355	0	0
23	0	0.006378	0	0	0	0	0.00092	0	0
24	0	0.002893	0	0	0	0	0.000164	3.29E-05	0
25	0	0.003781	0	0	0	0	0.000296	0	0
26	0	0.00092	0	0	0	0	0.00023	0	0
27	0	0.006673	0	0	0	0	0.002367	0	0
28	0	3.29E-05	0	0	0	0	0	0	0
29	0	0.001644	0	0	0	0	0.00046	0	3.29E-05
30	0	0.0048	0	0	0	0	0.000756	0	0
31	0	0.000559	0	0	0	0	3.29E-05	0	0
32	0	0.000723	0	0	0	0	0.000263	0	0
33	0	0.000559	0	0	0	0	0.00023	0	0
34	0	0.00046	0	0	0	0	0.000329	0	0
35	0	0.001019	0	0	0	0	6.57E-05	0	0
36	0	0.000131	0	0	0	0	0.000131	0	0
37	0	0.001545	0	0	0	0	0.000164	0	0
38	0	0.000723	0	0	0	0	0	0	0
39	0	0.001019	0	0	0	0	0.000197	0	0
40	0	0.001841	0	0	0	0	0.000394	0	0
41	0	0.001742	0	0	0	0	0.000131	0	0
42	0	0.000657	0	0	0	0	6.57E-05	3.29E-05	0
43	0	0.000329	0	0	0	0	3.29E-05	0	0
44	0	0.000559	0	0	0	0	9.86E-05	0	0
45	0	0.003846	0	0	0	0	0.001775	0	0
46	0	0.00069	0	0	0	0	6.57E-05	0	0
47	0	0.001874	0	0	0	0	0.000493	0	0
48	0	0.001151	0	0	0	0	0	0.002334	0
49	0	0.000723	0	0	0	0	3.29E-05	6.57E-05	0
50	0	0.000592	0	0	0	0	0.000493	6.57E-05	0
51	0	0.000559	3.29E-05	0	0	0	3.29E-05	0	0
52									
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2	0	0.004537	0	0	0	0	6.57E-05	0.000164	0
3	0	0.001611	0	0	0	0	0.000263	3.29E-05	0
4	0	0.000723	0	0	0	0	3.29E-05	0	0
5	0	0.006115	0	0	0	0	0.00046	0.000164	0
6	0	0.001512	0	0	0	0	3.29E-05	0	0
7	0	0.000789	0	0	0	0	0.000197	0	0
8	0	0.000723	0	0	0	0	3.29E-05	0	0
9	0	9.86E-05	0	0	0	0	6.57E-05	0	0
10	0	0.000197	0	0	0	0	9.86E-05	0	0
11	0	9.86E-05	0	0	0	0	0	0	0
12	0	0.000164	0	0	0	0	9.86E-05	0	0
13	0	0.000625	0	0	0	0	0	0	0
14	0	0.002203	0	0	0	0	0.000756	0	0
15	0	0.007035	0	0	0	0	0.000723	6.57E-05	0
16	0	0.007035	0	0	0	0	0.00046	0	0
17	0	0.000559	0	0	0	0	0	0	0
18	0	0.005358	0	0	0	0	0.002597	3.29E-05	0
19	0	0.003682	0	0	0	0	0.000164	0	0
20	0	0.001709	0	0	0	0	6.57E-05	0	0
21	0	0.000164	0	0	0	0	0.000296	0	0
22	0	0.006082	0	0	0	0	0.00046	0	0
23	0	0.004044	0	0	0	0	0.000394	0	0
24	0	0.000822	0	0	0	0	0	0	0
25	0	0.000855	0	0	0	0	0.000131	3.29E-05	0
26	0	0.003189	0	0	0	0	0.001479	0	0
27	0	0.000789	0	0	0	0	0.000822	0	0
28	0	0.001545	0	0	0	0	0.00023	0	0
29	0	0.000756	0	0	0	0	6.57E-05	0	0
30	0	0.000493	3.29E-05	0	0	0	6.57E-05	0	0
31	0	0.000329	0	0	0	0	6.57E-05	0	0
32	0	0.000394	0	0	0	0	0.000296	0	0
33	0	0.002038	0	0	0	0	0.000427	0	0
34	0	0.000559	0	0	0	0	0.000164	0	0
35	0	0.005358	0	0	0	0	0.000164	0	0
36	0	0.000394	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	9.86E-05	0
38	0	3.29E-05	0	0	0	0	0.000526	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0.000592	0	0	0	0	0	0	0
42	0	0.000855	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	6.57E-05	0	0	0	0	0	0	0
45	0	6.57E-05	0	0	0	0	6.57E-05	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0.000592	0	0	0	0	0	0	0
48	0	0.000855	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	6.57E-05	0	0	0	0	0	0	0
51	0	6.57E-05	0	0	0	0	6.57E-05	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0.006805	0	0	3.29E-05	0	0.000526	3.29E-05	0
54	0	0.00023	0	0	0	0	9.86E-05	0	0
55									
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2	0	0.002137	0	0	0	0	6.57E-05	0
3	0	0.006378	0	0	0	0	0	0
4	0	0.002959	0	0	0	0	0	0
5	0	0.004471	0	0	0	0	0	0
6	0	0.011276	0	0	0	0	0.000296	0
7	0	0.003813	0	0	0	0	6.57E-05	0
8	0	0.001677	0	0	0	0	0.000493	0
9	0	0	0	0	0	0	3.29E-05	0
10	0	0.000493	0	0	0	0	0	6.57E-05
11	0	0.000131	0	0	0	0	0.001118	0
12	0	0.000329	0	0	0	0	0	0
13	0	0.000427	0	0	0	0	3.29E-05	0
14	0	0.000296	0	0	0	0	0.00194	0.000296
15	0	0.001085	0	0	0	0	3.29E-05	0
16	0	0.000164	0	0	0	0	9.86E-05	3.29E-05
17	0	0.00023	0	0	0	0	0.00023	0.000131
18	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0
25	0	9.86E-05	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0
30	0	0.001578	0	0	0	0	0.000197	0
31	0	0.001775	0	0	0	0	0.000197	0
32	0	0.00023	0	0	0	0	0	0
33	0	0.004438	0	0	0	0	0.000493	0
34	0	0.00641	0	0	0	0	0.001019	0
35	0	0.016306	0	0	0	0	0.000822	0
36	0	0.00904	0	0	0	0	0.000953	0
37	0	0.005293	0	0	0	0	0.00069	0
38	0	0.004274	0	0	0	0	0.000427	0
39	0	0.050035	0	0	0	0	0.003879	0
40	0	0.00194	0	0	0	0	0.001874	0
41	0	0.000263	0	0	0	0	9.86E-05	0
42	0	0.001151	0	0	0	0	3.29E-05	0
43	0	0.000723	0	0	0	0	0	0
44	0	0.004668	0	0	0	0	0	0
45	0	0.024458	0	0	0	0	0.000427	0
46	0	0.040238	0	0	0	0	6.57E-05	0
47	0	0.002959	0	0	0	0	0.00069	0
48	0	0.002268	0	0	0	0	0	0
49	0	0.002137	0	0	0	0	0.000164	0
50	0	0.000986	0	0	0	0	0.000197	0
51	0	0.00194	0	0	0	0	0.000493	0
52	0	9.86E-05	0	0	0	0	0.000329	0
53								
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1									
2	0	0.000394	0	0	0	0	9.86E-05	0	0
3	0	0.004865	0	0	0	0	0.000559	0	0
4	0	0.002663	0	0	0	0	0.000592	0	0
5	0	0.00194	0	0	0	0	0.000427	0	0
6	0	0.006147	0	0	0	0	0.000657	0	0
7	0	0.004734	0	0	0	0	0.000822	0	0
8	0	0.003024	0	0	0	0	0.000625	0	0
9	0	0.000329	0	0	0	0	0	0	0
10	0	0.00046	0	0	0	0	0	0	0
11	0	0.001315	0	0	0	0	3.29E-05	0	0
12	0	0.001216	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0.000592	0	0	0	0	6.57E-05	0	0
15	0	0.000526	0	0	0	0	3.29E-05	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0.000164	0	0	0	0	6.57E-05	0	0
18	0	0.000164	0	0	0	0	3.29E-05	0	0
19	0	0.000164	0	0	0	0	9.86E-05	0	0
20	0	0.000197	0	0	0	0	6.57E-05	0	0
21	0	0.000986	0	0	0	0	0.00023	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0.000493	0	0	0	0	0.000131	0	0
24	0	0.000263	0	0	0	0	0	0	0
25	0	0	0	0	0	0	3.29E-05	0	0
26	0	0.000427	0	0	0	0	0.000263	0	0
27	0	0	0	0	0	0	3.29E-05	0	0
28	0	3.29E-05	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	3.29E-05	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0.001972	0	0	0	0	0.000493	0	0
45	0	9.86E-05	0	0	0	0	3.29E-05	0	0
46	0	0.008416	0	0	0	0	6.57E-05	0	0
47	0	0.001775	0	0	0	0	0.000329	0	0
48	0	0.002038	0	0	0	0	0.000197	0	0
49	0	0.001972	0	0	0	0	0.00092	0	0
50	0	0.00023	0	0	0	0	9.86E-05	0	0
51	0	0.001808	0	0	0	0	0.001052	0	0
52	0	0.004504	0	0	0	0	0.000263	0	0
53	0	0.017752	0	0	0.000164	0	0.000822	0	0
54	0	0.000657	0	0	0	0	0	0	0
55	0	6.57E-05	0	0	0	0	0.000329	0	0
56									
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0	0.001446	0.000394	0	0	0	0.000427	6.57E-05	0
0	0.002334	0	0	0	0	0.000625	0	0
0	0.001183	0	0	0	0	0.000756	0	0
0	0.001644	0	0	0	0	0.000855	0	0
0	0.003189	0	0	0	0	0.000164	0	0
0	0.000756	3.29E-05	0	0	0	0	6.57E-05	0
0	0.000131	0	0	0	0	0	0	0
0	0.001709	0	0	0	0	0.000427	0	0
0	0.000427	0	0	0	0	0	0	0
0	0.000296	0	0	0	0	6.57E-05	9.86E-05	0
0	0.007956	0	0	0	0	0.000559	0	0
0	0.000394	0	0	0	0	0.000625	0	0
0	0.00069	0	0	0	0	0	0	0
0	0.000197	0	0	0	0	0	0	0
0	0	0	0	0	0	3.29E-05	0	0
0	6.57E-05	0	0	0	0	0.000197	0	0
0	6.57E-05	0	0	0	0	3.29E-05	0	0
0	0.008975	0	0	0	0	0.001972	0	0
0	0.000164	0	0	0	0	6.57E-05	0	0
0	0.000197	0	0	0	0	6.57E-05	0	0
0	0.002794	0	0	0	0	9.86E-05	0	0
0	0.004438	0	0	0	0	0.001677	0	0
0	0.00069	0	0	0	0	6.57E-05	0	0

1									
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4	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
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16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	6.57E-05	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0.000329	0.001677	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
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28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
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31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
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38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0.000131
46	0	0	0	0	0	0	0	0	9.86E-05
47	0	0	0	0	0	0	0	0	0.000953
48	0	0	0	0	0	0	0	0	0
49	3.29E-05	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	6.57E-05
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
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1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
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5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
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12	0	0	0	0	0	0	0	0	0
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15	0	0	0	0	0	0	0	0	0
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17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	3.29E-05	0
20	0	0	0	0	0	0	0	0	0
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22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	3.29E-05	0	0	0
26	0.00023	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
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31	0	0	0	0	0	0	0	0	0
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36	0	0	0	0	0	0	0	0	0
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40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
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53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
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1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
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45	0	0	0	0	0	0	0	3.29E-05	
46	0	0	0	0	0	0	0	0	0
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54	0	0	0	0	0	0	0	0.000362	
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26	0	0	3.29E-05	0	0	0	0	0	0
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53	0	0	0	0	0	0	0	0	0.00023
54	0	0	0	0	0	0	0	0	9.86E-05
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9	0	0	0	6.57E-05	0	0	0	0	0
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7	0	0	0	0	0	0	0	0	0
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9	0	0	0	0	0	0	0	0	9.86E-05
10	0	0	0	0	0	0	0	0	0.000197
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58									
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20	0	0	0	0	0	0	0	0	0
21	0	0	3.29E-05	0	0	0	0	0	0
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46	0	0	0	0	0	3.29E-05	0	0	0.000855
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<https://mc.manuscriptcentral.com/thorax>

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31	0	3.29E-05	0	0	0	0	0	0	0
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39	0	0	0	6.57E-05	0	0	0	0	0
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58									
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58									
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41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	6.57E-05	0
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58									
59									
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[illegible]

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15	0	0	0	3.29E-05	0	0	0	0	0
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21	0	0	0	0	0	0	0	0	0
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23	0	0	0	0	0	3.29E-05	0	0	0
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46	0	0	0	0	0	0	0	0	0
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58									
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21	0	0	0	0	0	0	0	3.29E-05	0
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31	0	0	0	0	0	0	0	0	0
32	6.57E-05	0	0	0	0	0	0	0	0
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58									
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13	0	0	0	0	0	0	0	3.29E-05	0
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42	0	0	0	0	0	0	0	0	6.57E-05
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13	3.29E-05	0	0	0	0	0	0	0	0
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k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
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0	0	0	0	0	6.57E-05	0	0	0	0
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0	0	0	0	0	0.000953	0	0	0	0
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0	0	0	0	0	6.57E-05	0	0	0	0
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0	0	0	0	0	3.29E-05	0	0	0	0
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23	0	0	0	0	0	9.86E-05	0	0	0
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11	0	0	0	0	0	6.57E-05	0	0	0
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36	0	0	0	0	0	6.57E-05	0	0	0
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14	0	0	0	0	0	0.000197	0	0	0
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21	0	0	0	0	0	0	0	0	0
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25	0	0.001677	0	0	0	0	0	0	0
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10	0	0	0	3.29E-05	0	0	0	0	0
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6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0.000197	0	0	0
9	6.57E-05	0	0	0	0	0	0	0	0
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16	0	0	0	0	0	0.00092	0	0	0
17	0	0	0	0	0	0	0	0	0
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21	0	0.000296	0	0	0	0	0	0	0
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32	0	0	0	0	0	3.29E-05	0	0	0
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58									
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6	0	0	0	0	0	3.29E-05	0	0	0
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9	0	0	0	0	0	0	0	0	0
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23	0	0	0	0	0	0	0	6.57E-05	0
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28	0	0	0	0	0	0.000362	0	0	0
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41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0.000263	0	0	0
43	0	0	0	0	0	0.000164	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0.00023	0	0	0
47	0	0	0	0	0	0.000526	0	0	0
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50	0	0	0	0	0	0	0	0	0
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52	0	0	0	0	0	9.86E-05	0	0	0
53	0	0	0	0	0	0	0	0	0
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56	6.57E-05	0	0	0	0	6.57E-05	9.86E-05	0	0
57	0	0	0	0	0	0	0	0	0
58									
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19	0	0	0	0	0	6.57E-05	0	0	0
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46	0	0	0	0	0	0.000164	0	0	0
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54	0	0	0	0	0	0.008712	0.000131	3.29E-05	0
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58									
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5	0	0	0	0	0	0	9.86E-05	0	0
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8	0	0	0	0	0	0	0	0	0
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19	0	0	0	0	0	0	0	0	0
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21	0	0	0	0	0	3.29E-05	0	0	0
22	0	0	0	0	0	0	9.86E-05	0	0
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25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	3.29E-05	0	0	0
28	0	0	0	0	0	0.000263	0	0	0
29	0	0	0	0	0	0	0	0	0
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31	0	0	0	0	0	3.29E-05	0	0	0
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34	0	0	0	0	0	9.86E-05	0	0	0
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37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	9.86E-05	0	0	0
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41	0	0	0	0	0	6.57E-05	0	0	0
42	0	0	0	0	0	6.57E-05	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	6.57E-05	0	0	0
45	0	0	0	0	0	0	0.000164	0	0
46	0	0	0	0	0	0.000329	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	6.57E-05	0	0	0
49	0	0	0	0	0	0.000164	0	0	0
50	0	0	0	0	0	3.29E-05	0	0	0
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58									
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8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	3.29E-05	0	0	0	0	0	0
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14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	3.29E-05	0	0	0
16	0	0	0	0	0	0.000296	0	0	0.000131
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	3.29E-05	0	0	0
19	0	0	0	0	0	6.57E-05	0	0	0
20	0	0	0	0	0	0.000197	0	0	0
21	0	0	0	0	0	0.000197	0	0	0
22	0	0	0	0	0	6.57E-05	0	0	0
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25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0.000131	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	3.29E-05	0	0
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33	0	0	0	0	0	6.57E-05	0	0	0
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43	0	0	0	0	0	0.000131	0	0	0
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45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
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50	0	0	0	0	0	0.001151	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	3.29E-05	0	0	0
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55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0.000427	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

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3	0	0	0	0	0	0	0	0	0
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5	0	0	0	0	0	6.57E-05	0	0	0
6	0	0	0	0	0	0	0	0	0
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9	0	0	0	0	0	0	0	0	0
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11	0	0	0	0	0	6.57E-05	0	0	0
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35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0.000131	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0.000394	0	0	0
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46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	9.86E-05	0	0	0
49	0	0	0	0	0	0	0	0	0
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54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	3.29E-05	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

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7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0.000362	0	0	0
10	0	0	0	0	0	0.000164	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	6.57E-05	0	0	0
13	0	0	0	0	0	6.57E-05	0	0	0
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15	0	0	0	0	0	0	0	0	0
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<https://mc.manuscriptcentral.com/thorax>

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17	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	
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44	0	0	0	0	0	0	0	0	0	
45	0	0	0	0	0	0	3.29E-05	0	0	
46	0	0	0	0	0	0	0	0	0	
47	0	0	0	0	0	0	0	0	0	
48	0	0	0	0	0	0	0	0	0	
49	0	0	0	0	0	0	0	0	0	
50	0	0	0	0	3.29E-05	0	3.29E-05	0	0	
51	0	0	0	0	0	0	0	0	0	
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56	0	0	6.57E-05	0	0	0	0	0.000263	0	
57	0	0	0	0	0	0	0	0	0	
58										
59										
60										

1									
2	0	0	0	0	0	0	3.29E-05	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	3.29E-05	0	0	0	0	0
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41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	6.57E-05	0	0	0
45	0	0	0	0	0	0	0	0	0
46	3.29E-05	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	6.57E-05	0	0
48	0	0	0	0	0	0	0	0	3.29E-05
49	0	0	0	0	0	0	0	0	0
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53	0	0	0	0	0	0	0	0	0
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56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
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1									
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3	0	0	0	0	0	0	0	0	0
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22	0	0	0	0	0.002005	0	0	0	0
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26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	3.29E-05	0	0	0
28	0	0	0	0	0	0	0	0	0
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32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	3.29E-05	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	9.86E-05	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
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49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0.00023	0	0	3.29E-05	0	6.57E-05
57	0	3.29E-05	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	3.29E-05	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
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8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	3.29E-05	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
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16	0	0	0	0	0	0	0	0	0
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23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	3.29E-05	0	0	0
27	0	0	0	0	0	9.86E-05	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
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32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	3.29E-05	0	0
35	0	0	0	0	0	0	9.86E-05	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
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41	0	0	0	0	0	0	0	0	0
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45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	6.57E-05	0	0	3.29E-05	0	0
50	0	3.29E-05	0	3.29E-05	0	0	3.29E-05	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	3.29E-05	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
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3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
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6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0.000164	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
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12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
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16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
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30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0.000131
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
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40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
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53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

[illegible]

1									
2									
3									
4	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri
5	0	0	0.000164	0	0	0	0	0	0
6	0	0	0.000296	0	0	0	0	0	0
7	0	0	3.29E-05	0	0	0	0	0	0
8	0	0	3.29E-05	0	0	0	0	0	0
9	0	0	6.57E-05	0	0	0	0	0	0
10	0	0	0.00046	0	0	0	0	0	0
11	0	0	6.57E-05	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	3.29E-05	0	0	0	0	0	0
14	0	0	3.29E-05	0	0	0	0	0	0
15	0	0	3.29E-05	0	0	0	0	0	0
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18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	6.57E-05	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	3.29E-05	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0.000164	0	0	0	0	0	0
30	0	0	0.001742	0	0	0	0	0	0
31	0	0	0.000329	0	0	0	0	0	0
32	0	0	0.00023	0	0	0	0	0	0
33	0	0	0.000394	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0.00023	0	0	0	0	0	0
37	0	0	0.000131	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	6.57E-05	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	6.57E-05	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	6.57E-05	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	3.29E-05	0	0	0	0	0	0
49	0	0	3.29E-05	0	0	0	0	0	0
50	0	0	3.29E-05	0	0	0	0	0	0
51	0	0	0.000197	0	0	0	0	0	0
52	0	0	0.000131	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
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56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0.000263	0	0	0	0	0	0
3	0	0	0.002104	0	0	0	0	0	0
4	0	0	3.29E-05	0	0	0	0	0	0
5	0	0	0.000362	0	0	0	0	0	0
6	0	0	0.000164	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	3.29E-05	0
10	0	0	9.86E-05	0	0	0	0	0	0
11	0	0	0.00023	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
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17	0	0	0	3.29E-05	0	0	0	0	0
18	0	0	0.000756	0	0	0	0	0	0
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21	0	0	0	0	0	0	0	0	0
22	0	0	0.00309	0	0	0	0	0	0
23	0	0	0.001808	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0.000329	0	0	0	0	0	0
28	0	0	9.86E-05	0	0	0	0	0	0
29	0	0	3.29E-05	0	0	0	0	0	0
30	0	0	0.00023	0	0	0	0	0	0
31	0	0	6.57E-05	0	0	0	0	0	0
32	0	0	3.29E-05	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0.000263	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0.000822	0	0	0	0	0	0
38	0	0	0.000296	0	0	0	0	0	0
39	0	0	0.000329	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	3.29E-05	0	0	0	0	0	0
42	0	0	0.000296	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0.000427	0	0	0	0	0	0
45	0	0	3.29E-05	0	0	0	0	0	0
46	0	0	0.000197	0	0	0	0	0	0
47	0	0	0.000723	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	3.29E-05	0	0	0	0	0	0
51	0	0	0.002235	0	0	0	0	0	0
52	0	0	0.00092	0	0	0	0	0	0
53									
54									
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57									
58									
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1									
2	0	0	0.000263	0	0	0	0	0	0
3	0	0	0.000657	0	0	0	0	0	0
4	0	0	0.000164	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	9.86E-05	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0.001085	0	0	0	0	0	0
11	0	0	0.000263	0	0	0	0	0	0
12	0	0	0.000263	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0.000421	0	0	0	0	0	0
17	0	0	3.29E-05	0	0	0	0	0	0
18	0	0	0.000625	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	3.29E-05	0	0	0	0	0	0
22	0	0	6.57E-05	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	6.57E-05	0	0	0	0	0	0
27	0	0	6.57E-05	0	0	0	0	0	0
28	0	0	9.86E-05	0	0	0	0	0	0
29	0	0	6.57E-05	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0.000888	0	0	0	0	0	0
32	0	0	3.29E-05	0	0	0	0	0	0
33	0	0	0.000131	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0.000657	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0.000197	0	0	0	0	0	0
38	0	0	0.001282	0	0	0	0	0	0
39	0	0	0.001414	0	0	0	0	0	0
40	0	0	0.000164	0	0	0	0	0	0
41	0	0	0.001611	0	0	0	0	0	0
42	0	0	0.000263	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	6.57E-05	0	0	0	0	0	0
45	0	0	0.000296	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	3.29E-05	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0.000131	0	0	0	0	0	0
50	0	0	3.29E-05	0	0	0	0	0	0
51	0	0	6.57E-05	0	0	0	0	0	0
52	0	0	3.29E-05	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59									
60									

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2	0	0	0.00023	0	0	0	0	0	0
3	0	0	0.00023	0	0	0	0	0	0
4	0	0	0.000263	0	0	0	0	0	0
5	0	0	0.00069	0	0	0	0	0	0
6	0	0	0.00046	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	9.86E-05	0	0	0	0	0	0
10	0	0	0.000164	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	3.29E-05	0	0	0	0	0	0
14	0	0	0.00023	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0.000822	0	0	0	0	0	0
18	0	0	0.001414	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	3.29E-05	0	0	0	0	0	0
22	0	0	6.57E-05	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	9.86E-05	0	0	0	0	0	0
29	0	0	3.29E-05	0	0	0	0	0	0
30	0	0	6.57E-05	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0.000756	0	0	0	0	0	0
34	0	0	0.000131	0	0	0	0	0	0
35	0	0	0.000131	0	0	0	0	0	0
36	0	0	0.000131	0	0	0	0	0	0
37	0	0	9.86E-05	0	0	0	0	0	0
38	0	0	0.000625	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	3.29E-05	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	3.29E-05	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0.000197	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0.000427	0	0	0	0	0	0
49	0	0	0.000164	0	0	0	0	0	0
50	0	0	0.000263	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0.000131	0	0	0	0	0	0
53	0	0	0.000329	0	0	0	0	0	0
54	0	0	0.000986	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0.000394	0	0	0	0	0	0
9	0	0	0.000131	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0.000131	0	0	0	0	0	0
12	0	0	0.000263	0	0	0	0	0	0
13	0	0	0.000263	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0.000394	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0.000493	0	0	0	0	0	0
18	0	0	0.00069	0	0	0	0	0	0
19	0	0	0.000164	0	0	0	0	0	0
20	0	0	0.000526	0	0	0	0	0	0
21	0	0	0.00023	0	0	0	0	0	0
22	0	0	0.00023	0	0	0	0	0	0
23	0	0	6.57E-05	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	6.57E-05	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0.000723	0	0	0	0	0	0
32	0	0	0.000427	0	0	0	0	0	0
33	0	0	3.29E-05	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0.000493	0	0	0	0	0	0
37	0	0	0.004997	0	0	0	0	0	0
38	0	0	0.00023	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0.000263	0	0	0	0	0	0
44	0	0	0.000164	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	9.86E-05	0	0	0	0	0	0
47	0	0	9.86E-05	0	0	0	0	0	0
48	0	0	0.000131	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	3.29E-05	0	0	0	0	0	0
51	0	0	9.86E-05	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0.000362	0	0	0	0	0	0
55	0	0	0.00023	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0.000197	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0.000625	0	0	0	0	0	0
3	0	0	0.000789	0	0	0	0	0	0
4	0	0	6.57E-05	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	3.29E-05	0	0
7	0	0	0.000164	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0.000888	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0.001381	0	0	0	0	0	0
21	0	0	0.000131	0	0	0	0	0	0
22	0	0	3.29E-05	0	0	0	0	0	0
23	0	0	0.000131	0	0	0	0	0	0
24	0	0	0.001052	0	0	0	0	0	0
25	0	0	0.000822	0	0	0	0	0	0
26	0	0	0.000559	0	0	0	0	0	0
27	0	0	0.000131	0	0	0	0	0	0
28	0	0	3.29E-05	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	9.86E-05	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0.000263	0	0	0	0	0	0
41	0	0	0.000197	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0.000625	0	0	0	0	0	0
44	0	0	0.000493	0	0	0	0	0	0
45	0	0	0	6.57E-05	0	0	0	0	0
46	0	0	3.29E-05	0.000197	0	0	0	0	0
47	0	0	0.000526	0	0	0	0	0	0
48	0	0	0.000493	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	3.29E-05	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	3.29E-05	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	6.57E-05	0	0	0	0	0	0
55	0	0	3.29E-05	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	9.86E-05	0	0	0	0	0	0
4	0	0	0.000296	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0.000263	0	0	0	0	0	0
7	0	0	0.001019	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0.000164	0	0	0	0	0	0
11	0	0	0.000526	0	0	0	0	0	0
12	0	0	6.57E-05	0	0	0	0	0	0
13	0	0	0.000131	0	0	0	0	0	0
14	0	0	0.000329	0	0	0	0	0	0
15	0	0	9.86E-05	0	0	0	0	0	0
16	0	0	0.000394	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0.000362	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	3.29E-05	0	0	0	0	0	0
24	0	0	3.29E-05	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	3.29E-05	0	0	0	0	0	0
27	0	0	9.86E-05	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0.000131	0	0	0	0	0	0
40	0	0	6.57E-05	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0.000131	0	0	0	0	0	0
45	0	0	3.29E-05	9.86E-05	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	9.86E-05	0	0	0	0	0	0
50	0	0	0.000131	0	0	0	0	0	0
51	0	0	0.000394	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	3.29E-05	0	0	0	0	0	0
4	0	0	6.57E-05	0	0	0	0	0	0
5	0	0	6.57E-05	0	0	0	0	0	0
6	0	0	0.000362	0	0	0	0	0	0
7	0	0	0.00092	0	0	0	0	0	0
8	0	0	9.86E-05	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0.000394	0	0	0	0	0	0
12	0	0	0.000427	0	0	0	0	0	0
13	0	0	0.000362	0	0	0	0	0	0
14	0	0	6.57E-05	0	0	0	0	0	0
15	0	0	0.000263	0	0	0	0	0	0
16	0	0	0.000526	0	0	0	0	0	0
17	0	0	3.29E-05	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0.000394	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0.000953	0	0	0	0	0	0
27	0	0	0.000362	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0.001644	0	0	0	0	0	0
30	0	0	0.000329	0	0	0	0	0	0
31	0	0	0.000789	0	0	0	0	0	0
32	0	0	0.000789	0	0	0	0	0	0
33	0	3.29E-05	0	0	0	0	0	0	0
34	0	0	3.29E-05	0	0	0	0	0	0
35	0	0	3.29E-05	0	0	0	0	0	0
36	0	0	0.001216	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	6.57E-05	0	0	0	0	0	0
39	0	0	0.001677	0	0	0	0	0	0
40	0	0	9.86E-05	0	0	0	0	0	0
41	0	0	3.29E-05	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0.001709	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	3.29E-05	0	0	0	0	0	0
55	0	0	0.000986	0	0	0	0	0	0
56	0	0	3.29E-05	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

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2	0	0	0	0	0	0	0	0	0
3	0	0	0.001742	0	0	0	0	0	0
4	0	0	9.86E-05	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	3.29E-05	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0.00092	0	0	0	0	0	0
23	0	0	0.00092	0	0	0	0	0	0
24	0	0	0.00069	0	0	0	0	0	0
25	0	0	0.00069	0	0	0	0	0	0
26	0	0	3.29E-05	0	0	0	0	0	0
27	0	0	0.000197	0	0	0	0	0	0
28	0	0	0.001381	0	0	0	0	0	0
29	0	0	0.00046	0	0	0	0	0	0
30	0	0	0.00046	0	0	0	0	0	0
31	0	0	6.57E-05	0	0	0	0	0	0
32	0	0	0.000362	0	0	0	0	0	0
33	0	0	0.000394	0	0	0	0	0	0
34	0	0	0.000822	0	0	0	0	0	0
35	0	0	0.000822	0	0	0	0	0	0
36	0	0	6.57E-05	0	0	0	0	0	0
37	0	0	0.000394	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	6.57E-05	0	0	0	0	0	0
40	0	0	9.86E-05	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	3.29E-05	0	0	0	0	0	0
44	0	0	6.57E-05	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0.000131	0	0	0	0	0
47	0	0	0	0.000131	0	0	0	0	0
48	0	0	3.29E-05	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0.000526	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	9.86E-05	0	0.000362	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59									
60									

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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	3.29E-05	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	6.57E-05	0	0	0	0	0	0
9	0	0	0.000756	0	0	0	0	0	0
10	0	0	6.57E-05	0	0	0	0	0	0
11	0	0	0.00069	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	6.57E-05	0	0	0	0	0	0
15	0	0	3.29E-05	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0.000131	0	0	0	0	0	0
18	0	0	0.001118	0	0	0	0	0	0
19	0	0	0.000131	0	0	0	0	0	0
20	0	0	0.00023	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0.000131	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	6.57E-05	0	0	0	0	0	0
30	0	0	0.000296	0	0	0	0	0	0
31	0	0	0	6.57E-05	0	0	0	0	0
32	0	0	3.29E-05	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	3.29E-05	0	0	0	0	0	0
35	0	0	0.000164	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0.001019	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0.001907	0	0	0	0	0	0
40	0	0	6.57E-05	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	6.57E-05	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	9.86E-05	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0.001709	0	0	0	0	0	0
52	0	0	3.29E-05	0	0	0	0	0	0
53									
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1									
2	0	0	3.29E-05	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0.000131	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0.000131	0	0	0	0	0	0
9	0	0	9.86E-05	0	0	0	0	0	0
10	0	0	3.29E-05	0	0	0	0	0	0
11	0	0	3.29E-05	0	0	0	3.29E-05	0	0
12	0	0	0.00092	0	0	0	0	0	0
13	0	0	6.57E-05	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	3.29E-05	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	9.86E-05	0	0	0	0	0	0
22	0	0	0.000131	0	0	0	0	0	0
23	0	0	6.57E-05	0	0	0	0	0	0
24	0	0	0.000197	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0.000131	0	0	0	0	0	0
27	0	0	0.001677	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0.000131	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	6.57E-05	0	0	0	0	0	0
32	0	0	0.000164	0	0	0	0	0	0
33	0	0	0.000131	0	0	0	0	0	0
34	0	0	0.001052	0	0	0	0	0	0
35	0	0	0.000526	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0.000263	0	0	0	0	0	0
38	0	0	3.29E-05	0	0	0	0	0	0
39	0	0	0.001677	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0.000329	0	0	0	0	0	0
42	0	0	3.29E-05	0	0	0	0	0	0
43	0	0	0.000394	0	0	0	0	0	0
44	0	0	0.001841	0	0	0	0	0	0
45	0	0	0.001052	0	0	0	0	0	0
46	0	0	0.000131	0	0	0	0	0	0
47	0	0	3.29E-05	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	9.86E-05	0	0	0	0	0	0
50	0	0	3.29E-05	0	0	0	0	0	0
51	0	0	0.000164	0	0	0	0	0	0
52	0	0	0.000131	0	0	0	0	0	0
53	0	0	0.000164	0	0	0	0	0	0
54	0	0	0.000164	0	0	0	0	0	0
55	0	0	0.000164	0	0	0	0	0	0
56	0	0	0.000164	0	0	0	0	0	0
57	0	0	0.000164	0	0	0	0	0	0
58	0	0	0.000164	0	0	0	0	0	0
59									
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2	0	0	0	0	0	0	0	0	0
3	0	0	0.000263	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0.001479	0	0	0	0	0	0
6	0	0	0.000427	0	0	0	0	0	0
7	0	0	9.86E-05	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	6.57E-05	0	0	0	0	0	0
10	0	0	0.000131	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	6.57E-05	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	9.86E-05	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	6.57E-05	0	0	0	0	0	0
23	0	0	0.000362	0	0	0	0	0	0
24	0	0	0.000329	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	3.29E-05	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	6.57E-05	0	0	0	0	0	0
32	0	0	0.000164	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	6.57E-05	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0.001019	0	0	0	0	0	0
45	0	0	6.57E-05	0	0	0	0	0	0
46	0	0	9.86E-05	0	0	0	0	0	0
47	0	0	0.000526	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0.000526	0	0	0	0	0	0
50	0	0	6.57E-05	0	0	0	0	0	0
51	0	0	0.000296	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0.000723	0	0	0	0	0	0
54	0	0	3.29E-05	0	0	0	0	0	0
55	0	0	0.00046	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59									
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2	0	0	0.000131	0	0	0	0	0	0
3	0	0	0.000822	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0.000526	0	0	0	0	0	0
6	0	0	6.57E-05	0	0	0	0	0	0
7	0	0	0.000657	0	0	0	0	0	0
8	0	0	0.001677	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0.000394	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	9.86E-05	0	0	0	0	0	0
13	0	0	0.000986	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	9.86E-05	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0.00023	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0.000164	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29									
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k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
0	0	0	0	0	0	0	6.57E-05	0
0	0	0	0.000164	0	0	0	3.29E-05	0
0	0	0	6.57E-05	0	0	0	0.000164	0
0	0	0	0.000131	0	0	0	3.29E-05	0
0	0	0	9.86E-05	0	0	0	0.000131	0
0	0	0	6.57E-05	0	0	0	0.000197	0
0	0	0	0.000164	0	0	0	0	0
0	0	0	6.57E-05	0	0	0	0	0
0	0	0	0.000526	0	0	0	0.000789	0
0	0	0	6.57E-05	0	0	0	0.001512	0
0	0	0	0.000197	0	0	0	6.57E-05	0
0	0	0	0	0	0	0	0.000263	0
0	0	0	0	0	0	0	0.000657	0
0	0	0	9.86E-05	0	0	0	6.57E-05	0
0	0	0	3.29E-05	0	0	0	3.29E-05	0
0	0	0	0	0	0	0	0.001841	0
0	0	0	0	0	0	0	0.000657	0
0	0	0	0	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0
0	0	0	0	0	0	0	3.29E-05	0
0	0	0	0	0	0	0	0.000164	0
0	0	0	0	0	0	0	0.001907	0
0	0	0	0	0	0	3.29E-05	0.004241	0
0	0	0	0	0	0	0	0.001085	0
0	0	0	0	0	0	0	0.001709	0
0	0	0	6.57E-05	0	0	0	0.007265	0
0	0	0	0	0	0	0	0.015352	6.57E-05
0	0	0	0	0	0	0	0.002761	0
0	0	0	0	0	0	0	0.000493	0
0	0	0	3.29E-05	0	0	0	0.000164	0
0	0	0	0	0	0	0	0.000164	0
0	0	0	3.29E-05	0	0	0	0.000197	0
0	0	0	0	0	0	0	3.29E-05	0
0	0	0	6.57E-05	0	0	6.57E-05	0.004142	0
0	0	0	0	0	0	0	0.003452	0
0	0	0	0	0	0	0	0.001578	0
0	0	0	9.86E-05	0	0	0	0.003222	0
0	0	0	0	0	0	0	0.005358	0.000362
0	0	0	0	0	0	0	0.004668	0
0	0	0	0	0	0	0	0.004833	0
0	0	0	0	0	0	0	0.003682	0
0	0	0	0.000131	0	0	0	0.001282	0
0	0	0	0.000164	0	0	0	0.002959	0
0	0	0	0	0	0	0	0.000822	0

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2	0	0	0	3.29E-05	0	0	0	0.014333	3.29E-05
3	0	0	0	0	0	0	0	0.003616	0
4	0	0	0	0	0	0	0	0.000855	0
5	0	0	0	0	0	0	0	0.003616	0
6	0	0	0	0	0	0	0	0.000559	0
7	0	0	0	0	0	0	0	0.00046	0
8	0	0	0	0	0	0	0	0.000197	0
9	0	0	0	0	0	0	0	0.0001512	0
10	0	0	0	0.000263	0	0	0	0.001512	0
11	0	0	0	6.57E-05	0	0	0	0.01075	6.57E-05
12	0	0	0	3.29E-05	0	0	0	0.00069	0
13	0	0	0	3.29E-05	0	0	0	6.57E-05	0
14	0	0	0	0	0	0	0	0.000296	0
15	0	0	0	0	0	0	0	0.001216	0
16	0	0	0	0.000657	0	0	0	0.001052	0
17	0	0	0	0	0	0	0.000164	0.026234	0
18	0	0	0	0.000394	0	0	0.000756	0.003123	0
19	0	0	0	0	0	0	0	0.009271	3.29E-05
20	0	0	0	3.29E-05	0	0	3.29E-05	0.009303	0
21	0	0	0	0	0	0	0	0.006147	3.29E-05
22	0	0	0	0.000197	0	0	0	0.010651	3.29E-05
23	0	0	0	0.000493	0	0	0	0	0
24	0	0	0	0	0	0	0	0.001479	0
25	0	0	0	0.001414	0	0	0	9.86E-05	0
26	0	0	0	0	0	0	0	0.00526	0
27	0	0	0	0	0	0	0	0.008613	3.29E-05
28	0	0	0	3.29E-05	0	0	0	0.001677	0
29	0	0	0	3.29E-05	0	0	0	0.018442	3.29E-05
30	0	0	0	0	0	0	3.29E-05	0.000362	0
31	0	0	0	0	0	0	6.57E-05	0.002038	0
32	0	0	0	3.29E-05	0	0	0	0	0
33	0	0	0	0	0	0	0	0.011835	0
34	0	0	0	3.29E-05	0	0	6.57E-05	0.015155	3.29E-05
35	0	0	0	0	0	0	0	0.009172	3.29E-05
36	0	0	0	0	0	0	0	0.005326	0
37	0	0	0	3.29E-05	0	0	0	0.011506	3.29E-05
38	0	0	0	0	0	0	0	0.008186	0
39	0	0	0	0	0	0	0	0.006969	3.29E-05
40	0	0	0	9.86E-05	0	0	0	0	0
41	0	0	0	0.000394	0	0	0	0.006213	0
42	0	0	0	0.000362	0	0	0	0.003386	0
43	0	0	0	0	0	0	0	0.012887	0
44	0	0	0	3.29E-05	0	0	0	0.011769	0
45	0	0	0	0	0	0	0	0.011276	3.29E-05
46	0	0	0	9.86E-05	0	0	0	6.57E-05	0
47	0	0	0	6.57E-05	0	0	0	0.005358	0
48	0	0	0	0.00046	0	0	0	0.002893	0
49	0	0	0	0	0	0	0	0.000657	0
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2	0	0	0	0	0	0	0	0.000427	0
3	0	0	0	0	0	0	3.29E-05	0.001446	0
4	0	0	0	0	0	0	0	0.000986	0
5	0	0	0	0	0	0	0	0.002367	0
6	0	0	0	0	0	0	0	0.000855	0
7	0	0	0	0	0	0	0	0.014498	0
8	0	0	0	0	0	0	0	0.000986	0
9	0	0	0	0	0	0	0	0.001841	0
10	0	0	0	0	0	0	0	0.00263	0
11	0	0	0	3.29E-05	0	0	0	0.007002	6.57E-05
12	0	0	0	0	0	0	0	0.027023	0.000164
13	0	0	0	3.29E-05	0	0	3.29E-05	0.025017	0
14	0	0	0	0	0	0	0	0.025017	0
15	0	0	0	0	0	0	0.00014	0.032657	0
16	0	0	0	0.00023	0	0	0	0.000197	0
17	0	0	0	0.025346	0	0	6.57E-05	0.000394	0
18	0	0	0	0	0	0	0	0.000263	0
19	0	0	0	3.29E-05	0	0	0	0	0
20	0	0	0	0	0	0	0	3.29E-05	0
21	0	0	0	0	0	0	0	6.57E-05	0
22	0	0	0	0.000329	0	0	0	3.29E-05	0
23	0	0	0	0.004833	0	0	0	3.29E-05	0
24	0	0	0	0	0	0	0	0.023176	3.29E-05
25	0	0	0	0	0	0	0	0.001479	0
26	0	0	0	3.29E-05	0	0	0	0.011835	0
27	0	0	0	3.29E-05	0	0	0	0.007035	0
28	0	0	0	0.000197	0	0	0	0.011637	0
29	0	0	0	0	0	0	0	0.001151	0
30	0	0	0	3.29E-05	0	0	0	0.0024	0
31	0	0	0	0	0	0	0	0.000164	0
32	0	0	0	0	0	0	0	0.000263	0
33	0	0	0	0	0	0	0	0.000427	0
34	0	0	0	6.57E-05	0	0	0	0.007693	0
35	0	0	0	9.86E-05	0	0	0	0.000657	0
36	0	0	0	9.86E-05	0	0	0	0.011407	0
37	0	0	0	3.29E-05	0	0	0	0.025609	0.000131
38	0	0	0	0	0	0	0	0.003057	0
39	0	0	0	0	0	0	0	0.00023	0
40	0	0	0	0	0	0	0	0.000493	0
41	0	0	0	0	0	0	0	0.011013	6.57E-05
42	0	0	0	0	0	0	0	0.007232	0
43	0	0	0	0	0	0	0	0.023604	6.57E-05
44	0	0	0	0	0	0	3.29E-05	0.017259	3.29E-05
45	0	0	0	3.29E-05	0	0	0	0.005293	0
46	0	0	0	0	0	0	0	0.002564	0
47	0	0	0	0.000131	0	0	3.29E-05	0.0167	0
48	0	0	0	9.86E-05	0	0	0	0.009764	0
49	0	0	0	0	0	0	0	0.033795	0
50	0	0	0	0	0	0	0	0.033795	0
51	0	0	0	0	0	0	0	0.033795	0
52	0	0	0	0	0	0	0	0.033795	0
53	0	0	0	0	0	0	0	0.033795	0
54	0	0	0	0	0	0	0	0.033795	0
55	0	0	0	0	0	0	0	0.033795	0
56	0	0	0	0	0	0	0	0.033795	0
57	0	0	0	0	0	0	0	0.033795	0
58	0	0	0	0	0	0	0	0.033795	0
59	0	0	0	0	0	0	0	0.033795	0
60	0	0	0	0	0	0	0	0.033795	0

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2	0	0	0	0	0	0	0	0.005589	0
3	3.29E-05	0	0	0	0	0	0	0.00457	0
4	0	0	0	9.86E-05	0	0	0	0.009566	0
5	0	0	0	0	0	0	0	0.00526	0
6	0	0	0	0	0	0	0	0.002433	0
7	0	0	0	0	0	0	0	6.57E-05	0
8	0	0	0	0	0	0	0	9.86E-05	0
9	0	0	0	0	0	0	0	0.000131	0
10	0	0	0	0	0	0	0	3.29E-05	0
11	0	0	0	6.57E-05	0	0	0	3.29E-05	0
12	0	0	0	0	0	0	0	0.000131	0
13	0	0	0	0	0	0	0	0.002597	0
14	0	0	0	0.000263	0	0	0	0.008054	3.29E-05
15	0	0	0	6.57E-05	0	0	0	0.00618	0
16	0	0	0	9.86E-05	0	0	0	0.006115	0
17	0	0	0	0	0	0	0	0.003024	0
18	0	0	0	3.29E-05	0	0	0	0.011473	0
19	0	0	0	6.57E-05	0	0	0	0.00332	0
20	0	0	0	0	0	0	0	0.004635	3.29E-05
21	0	0	0	0.00023	0	0	3.29E-05	0.009336	3.29E-05
22	0	0	0	0	0	0	0	0.007824	0
23	0	0	0	0.000362	0	0	0	0.007758	0
24	0	0	0	0	0	0	0	0.00355	0
25	0	0	0	0	0	0	0	0.004405	0
26	0	0	0	0	0	0	0	0.003222	0
27	0	0	0	0.000362	0	0	0	0.00286	0
28	0	0	0	0	0	0	0	0.002235	0
29	0	0	0	0	0	0	3.29E-05	0.002466	0
30	0	0	0	0.000197	0	0	0	0.00457	0
31	0	0	0	0.000394	0	0	0	0.013478	0
32	0	0	0	0.000756	0	0	0	0.008317	0
33	0	0	0	0.003189	0	0	0	0.005063	3.29E-05
34	0	0	0	6.57E-05	0	0	3.29E-05	0.007002	0
35	0	0	0	0	0	0	0	0.003748	0
36	0	0	0	0	0	0	0	0.009303	0
37	0	0	0	0	0	0	0	0.007265	0
38	0	0	0	0	0	0	0	0.0191	6.57E-05
39	0	0	0	3.29E-05	0	0	0	0.019264	6.57E-05
40	0	0	0	0.002038	0	0	0	0.001775	0
41	0	0	0	0.002203	0	0	0	0.001414	0
42	0	0	0	6.57E-05	0	0	0	0.005753	0
43	0	0	0	0	0	0	0	0.000164	0
44	0	0	0	0	0	0	0	0.000592	0
45	0	0	0	0	0	0	0	0.001151	0
46	0	0	0	0.000756	0	0	0	0.00355	0
47	0	0	0	0	0	0	0	0.001052	0
48	0	0	0	0	0	0	0	0	0
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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0.000164	0	3.29E-05	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0.00023	0
7	0	0	0	0	0	0	0	0.000789	0
8	0	0	0	0	0	0	0	0.002367	0
9	0	0	0	9.86E-05	0	0	0	0.001249	3.29E-05
10	0	0	0	9.86E-05	0	0	0	0.000625	0
11	0	0	0	0.004833	0	0	0	0.000625	0
12	0	0	0	0	0	0	3.29E-05	0.030474	3.29E-05
13	0	0	0	0	0	0	0	0.009862	3.29E-05
14	0	0	0	3.29E-05	0	0	0	0.007298	0
15	0	0	0	0	0	6.57E-05	0	0.002367	0
16	0	0	0	0	0	0	0	0.001085	0
17	0	0	0	0	0	0	0	0.003222	0
18	0	0	0	0	0	0	0	0.013807	0
19	0	0	0	0	0	0	3.29E-05	0.030409	0
20	0	0	0	0	0	0	3.29E-05	0.003813	0
21	0	0	0	9.86E-05	0	0	0	0.005293	9.86E-05
22	0	0	0	0	0	0	0	0.010618	3.29E-05
23	0	0	0	6.57E-05	0	0	3.29E-05	0.033565	0.000131
24	0	0	0	0.000131	0	0	0	0	0
25	0	0	0	0.000362	0	0	0	0	0
26	0	0	0	0	0	0	0	0.000394	0
27	0	0	0	0	0	0	0	0.000296	0
28	0	0	0	0	0	0	0	0.000756	0
29	0	0	0	0	0	0	0	0.017423	6.57E-05
30	0	0	0	0	0	0	0	0.004833	0
31	0	0	0	0.001644	0	0	0	0.003057	0
32	0	0	0	0.000657	0	0	0	0.006345	0
33	0	0	0	6.57E-05	0	0	0	0.001151	0
34	0	0	0	0	0	0	0	0.009534	0
35	0	0	0	3.29E-05	0	0	0	0.000263	0
36	0	0	0	6.57E-05	0	0	0	0.000329	0
37	0	0	0	0	0	0	0	0.002235	0
38	0	0	0	0	0	0	0	0.004307	0
39	0	0	0	0	0	0	0	0.001874	0
40	0	0	0	3.29E-05	0	0	0	0.002498	0
41	0	0	0	0	0	0	0	0.001414	0
42	0	0	0	0	0	0	0	0.004931	0
43	0	0	0	0	0	0	0	0.006871	0
44	0	0	0	3.29E-05	0	0	0	0.001315	0
45	0	0	0	0	0	0	0	0.001578	0
46	0	0	0	0.003353	0	0	0	0.012328	0
47	0	0	0	0	0	0	0	0.005852	0
48	0	0	0	0	0	0	0	0.007462	0
49	0	0	0	0	0	0	0	0.006147	0
50	0	0	0	0.000197	0	0	0	0.003978	0
51	0	0	0	6.57E-05	0	0	0		
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2	0	0	0	6.57E-05	0	0	0	0.003715	0
3	0	0	0	0.000559	0	0	0	0.005589	0
4	0	0	0	0	0	0	3.29E-05	0.00858	0
5	0	0	0	9.86E-05	0	0	0	0.000427	0
6	0	0	0	6.57E-05	0	0	0	0.000493	0
7	0	0	0	0	0	0	0	9.86E-05	0
8	0	0	0	0.000493	0	0	9.86E-05	0.005194	0
9	0	0	0	0	0	0	0	3.29E-05	0
10	0	0	0	0.000526	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0.000592	0	0	0	0	0
13	0	0	0	0.00023	0	0	3.29E-05	0.025379	9.86E-05
14	0	0	0	9.86E-05	0	0	0	9.86E-05	0
15	0	0	0	0	0	0	0.000394	0.000953	0
16	0	0	0	3.29E-05	0	0	3.29E-05	0.014892	3.29E-05
17	0	0	0	0	0	0	0	0.004208	0
18	0	0	0	6.57E-05	0	0	0	0.013051	0
19	0	0	0	6.57E-05	0	0	0	0.004997	0
20	0	0	0	0	0	0	0	0.011276	0
21	0	0	0	0	0	0	0	0.013183	0
22	0	0	0	0	0	0	0	0.009731	3.29E-05
23	0	0	0	0.00023	0	0	0	0.00572	3.29E-05
24	0	0	0	0	0	0	0	0.001644	0
25	0	0	0	0	0	0	0	0.004865	0
26	0	0	0	0	0	0	0	3.29E-05	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0.001907	0
30	0	0	0	0	0	0	0	9.86E-05	0
31	0	0	0	0	0	0	0	0.000131	0
32	0	0	0	0.000164	0	0	0	0.022059	9.86E-05
33	0	0	0	6.57E-05	0	0	0	0.010454	0
34	0	0	0	0	0	0	0	0.006641	0
35	0	0	0	3.29E-05	3.29E-05	0	0	0.002433	3.29E-05
36	0	0	0	0	0	0	0	0.0048	0
37	0	0	0	0.001249	0	0	0	0.007199	0
38	0	0	0	0	0	0	0	0.007199	0
39	0	0	0	6.57E-05	0	0	0	0.015714	0
40	0	0	0	0.000296	0	0	0	0.006279	0
41	0	0	0	3.29E-05	0	0	3.29E-05	0.007923	0
42	0	0	0	0	0	0	0	0.004241	3.29E-05
43	0	0	0	0	0	0	0	0.000986	0
44	0	0	0	0	0	0	0	0.003846	3.29E-05
45	0	0	0	3.29E-05	0	0	0	0.001709	0
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2	0	0	0	3.29E-05	0	0	0	0.023867	0.000263
3	0	0	0	3.29E-05	0	0	3.29E-05	0.004865	0
4	0	0	0	0	0	0	0	0.00263	0
5	0	0	0	0	0	0	0	0.003781	0
6	0	0	0	0	0	0	0	0.003156	0
7	0	0	0	0	0	0	0	0.003156	0
8	0	0	0	9.86E-05	0	0	3.29E-05	0.019856	0
9	0	0	0	3.29E-05	0	0	0	0.000625	0
10	0	0	0	0	0	0	0	0.001874	0
11	0	0	0	0	0	0	0	0.005424	0
12	0	0	0	0	0	0	0	0.006706	3.29E-05
13	0	0	0	0	0	0	0	0.002301	0
14	0	0	0	0	0	0	0	0.000822	0
15	0	0	0	0	0	0	0	0.000822	0
16	0	0	0	0	0	0	0	0.009599	0
17	0	0	0	0	0	0	0	0.002498	0
18	0	0	0	0.00023	0	0	0	0.003123	0
19	0	0	0	0.000164	0	0	0	0.003912	0
20	0	0	0	0	0	0	0	0.000559	0
21	0	0	0	0.000131	0	0	0	0.00069	0
22	0	0	0	0	0	0	0	0.003123	0
23	0	0	0	0	0	0	0	0.003518	0
24	0	0	0	0	0	0	0	0.000822	0
25	0	0	0	0	0	0	0	0.001085	0
26	0	0	0	6.57E-05	0	0	6.57E-05	0.002827	0
27	0	0	0	0	0	0	0	0.001677	9.86E-05
28	0	0	0	0	0	0	0	3.29E-05	0
29	0	0	0	3.29E-05	0	0	0	0	0
30	0	0	0	0	0	0	0	6.57E-05	0
31	0	0	0	0.000427	0	0	0	0.000131	0
32	0	0	0	0	0	0	0	0.003255	0
33	0	0	0	0	0	0	0	3.29E-05	0
34	0	0	0	0	0	0	0	3.29E-05	0.00023
35	0	0	0	0	0	0	0	3.29E-05	0.007824
36	0	0	0	0	0	0	0	0.004372	0
37	0	0	0	0	0	0	0	0.000427	0
38	0	0	0	0	0	0	0	0.000164	0
39	0	0	0	0	0	0	0	6.57E-05	0
40	0	0	0	0	0	0	0	0.010585	0
41	0	0	0	0	0	0	0	0.000263	0
42	0	0	0	0	0	0	0	0.000263	0
43	0	0	0	0	0	0	0	0.031756	3.29E-05
44	0	0	0	0	0	0	3.29E-05	0.002663	0
45	0	0	0	0	0	0	0	0.015549	0
46	0	0	0	0	0	0	0	0.014761	3.29E-05
47	0	0	0	0	0	0	0	0.007002	3.29E-05
48	0	0	0	0	0	0	6.57E-05	0.023834	9.86E-05
49	0	0	0	0	0	0	0	0.011243	0
50	0	0	0	0	0	0	0	0.022322	3.29E-05
51	0	0	0	6.57E-05	0	0	0	0.001644	3.29E-05
52	0	0	0	0	0	0	0	0.001644	3.29E-05
53	0	0	0	0	0	0	0	0.001644	3.29E-05
54	0	0	0	0	0	0	0	0.001644	3.29E-05
55	0	0	0	0	0	0	0	0.001644	3.29E-05
56	0	0	0	0	0	0	0	0.001644	3.29E-05
57	0	0	0	0	0	0	0	0.001644	3.29E-05
58	0	0	0	0	0	0	0	0.001644	3.29E-05
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2	0	0	0	0	0	0	0	0.003978	0
3	0	0	0	0	0	0	0	0.012163	0
4	0	0	0	6.57E-05	0	0	0	0.000493	0
5	0	0	0	0	0	0	3.29E-05	0.034189	3.29E-05
6	0	0	0	0	0	0	6.57E-05	0.011111	3.29E-05
7	0	0	0	0	0	0	3.29E-05	0.033959	6.57E-05
8	0	0	0	0	0	0	0	0.004044	0
9	0	0	0	9.86E-05	0	0	0	0.003583	0
10	0	0	0	0	0	0	0	0.008909	0
11	0	0	0	0	0	0	0	0.005227	0
12	0	0	0	0	0	0	0	0.006542	0
13	0	0	0	6.57E-05	0	0	0	0.000197	0
14	0	0	0	0	0	0	0	0.00503	0
15	0	0	0	0	0	0	0	0.016174	3.29E-05
16	0	0	0	0	0	0	0	0.008876	3.29E-05
17	0	0	0	0	0	0	0	0.00023	0
18	0	0	0	0	0	0	0	0.000789	0
19	0	0	0	0	0	0	0	0.003912	0
20	0	0	0	0	0	0	0	0.000822	0
21	0	0	0	3.29E-05	0	0	0	0.005326	0
22	0	0	0	0	0	0	0	0.000888	0
23	0	0	0	0	0	0	0	0.004734	0
24	0	0	0	3.29E-05	0	0	0	0.005753	0
25	0	0	0	0	0	0	0	0.001249	0
26	0	0	0	0	0	0	0	0.001216	0
27	0	0	0	0	0	0	0	0.001578	0
28	0	0	0	0	0	0	0	0.002729	0
29	0	0	0	0	0	0	0	0.000526	0
30	0	0	0	0	0	0	0	0.000263	0
31	0	0	0	0	0	0	0	0.000986	0
32	0	0	0	0	0	0	0	0.00046	0
33	0	0	0	9.86E-05	0	0	0	0	0
34	0	0	0	0	0	0	0	0.001052	0
35	0	0	0	0	0	0	0	3.29E-05	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	6.57E-05	0	0	0	3.29E-05	0
38	0.000164	0	0	3.29E-05	0	0	0	0.005753	0
39	0	0	0	0	0	0	0	0.004405	0
40	0	0	0	0	0	0	0	0.002959	0
41	0	0	0	0.003024	0	0	3.29E-05	0.060883	3.29E-05
42	0	0	0	0.000131	0	0	3.29E-05	0.012394	3.29E-05
43	0	0	0	6.57E-05	0	0	0	0.002597	0
44	0	0	0	0.00046	0	0	3.29E-05	0.006641	3.29E-05
45	0	0	0	0.000362	0	0	0	0.003386	0
46	0	0	0	0	0	0	0	0.001085	0
47	0	0	0	0.001907	0	0	0	0.026266	6.57E-05
48	0	0	0	0.000263	0	0	0	0.007561	6.57E-05
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2	0	0	0	0.001414	0	0	0	0.071337	9.86E-05
3	0	0	0	0	0	0	3.29E-05	0.005128	0
4	0	0	0	0.001183	0	0	0	0.019593	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0.001151	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	3.29E-05	0
12	0	0	0	0	0	0	0	0.000394	0
13	0	0	0	0	0	0	0	0.000296	0
14	0	0	0	0	0	0	0	0.00092	0
15	0	0	0	0	0	0	0	0.000263	0
16	0	0	0	0	0	0	0	9.86E-05	0
17	0	0	0	0	0	0	0	0.000756	0
18	0	0	0	0	0	0	0	0.003649	0
19	0	0	0	0	0	0	0	0.001085	0
20	0	0	0	0	0	0	9.86E-05	0.01029	0
21	0	0	0	0	0	0	0	0.011539	0
22	0	0	0	3.29E-05	0	0	0	0.005753	3.29E-05
23	0	0	0	0	0	0	0	0.014596	0
24	0	0	0	0	0	0	0	0.00743	0
25	0	0	0	0	0	0	0	0.007561	0
26	0	0	0	0	0	0	0	0.005556	0
27	0	0	0	3.29E-05	0	0	0	0.003616	0
28	0	0	0	0	0	0	3.29E-05	0.003682	0
29	0	0	0	0	0	0	0	0.001282	0
30	0	0	0	0	0	0	0	0.002466	0
31	0	0	0	0	0	0	0	0.001644	0
32	0	0	0	0	0	0	3.29E-05	0.00595	3.29E-05
33	0	0	0	3.29E-05	0	0	0	0.005884	0
34	0	0	0	0	0	0	0	0.000986	0
35	0	0	0	0	0	0	3.29E-05	0.002893	0
36	0	0	0	0	0	0	0	0.000329	0
37	0	0	0	3.29E-05	0	0	0	0.00263	3.29E-05
38	0	0	0	3.29E-05	0	0	0	0.002992	0
39	0	0	0	0	0	0	0	0.004175	0
40	0	0	0	0	0	0	0	0.005983	3.29E-05
41	0	0	0	3.29E-05	0	0	0	0.001282	0
42	0	0	0	0	0	0	3.29E-05	0.003813	0
43	0	0	0	0	0	0	3.29E-05	0.009073	0
44	0	0	0	0	0	0	0	0.002005	0
45	0	0	0	6.57E-05	0	0	0	0.007199	0
46	0	0	0	0.000164	0	0	0	9.86E-05	0
47	0	0	0	0	0	0	0	0.000427	0
48	0	0	0	0	0	0	0	0.004175	0
49	0	0	0	0	0	0	0	0.003353	0
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2	0	0	0	0	0	0	0	0.001151	0
3	0	0	0	0	0	0	0	0.009073	0
4	0	0	0	0	0	0	0	0.000164	0
5	0	0	0	0	0	0	0	0.016306	0
6	0	0	0	0	0	0	0	0.001742	3.29E-05
7	0	0	0	0	0	0	0	0.004011	0
8	0	0	0	0	0	0	0	0.003649	0
9	0	0	0	0	0	0	0	0.00023	0
10	0	0	0	0	0	0	0	0.003024	0
11	0	0	0	0	0	0	0	0.00023	0
12	0	0	0	0	0	0	0	0.001709	0
13	0	0	0	0	0	0	0	0.001446	3.29E-05
14	0	0	0	0	0	0	0	0.004307	0
15	0	0	0	0	0	0	0.000131	0.05559	3.29E-05
16	0	0	0	0	0	0	0	0.005917	0
17	0	0	0	0	0	0	0	0.000756	0
18	0	0	0	0.000197	0	0	0	0.008153	0
19	0	0	0	0	0	0	0	0.002926	0
20	0	0	0	9.86E-05	0	0	0	0.003682	0
21	0	0	0	0	0	0	0	0.001019	0
22	0	0	0	0	0	0	0	0.006345	3.29E-05
23	0	0	0	0	0	0	3.29E-05	0.008054	0
24	0	0	0	3.29E-05	0	0	3.29E-05	0.006641	3.29E-05
25	0	0	0	0	0	0	0	0.012098	3.29E-05
26	0	0	0	0	0	0	0.000131	0.018903	0
27	0	0	0	0	0	0	0	0.001348	0
28	0	0	0	0	0	0	0	0.007265	0
29	0	0	0	0	0	0	0	0.001841	0
30	0	0	0	0	0	0	0	0.000756	0
31	0	0	0	0	0	0	0	0.001874	0
32	0	0	0	0	0	0	0	0.003748	0.002433
33	0	0	0	0	0	0	0	0.004175	0
34	0	0	0	0.001085	0	0	0	0.00069	0
35	0	0	0	0	0	0	0	0.004208	0
36	0	0	0	6.57E-05	0	0	0	0.005983	0
37	0	0	0	0	0	0	0	6.57E-05	0
38	0	0	0	0	0	0	0	0.00046	0
39	0	0	0	0.001709	0	0	0	0.000131	0
40	0	0	0	0	0	0	0	0.000625	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0.003715	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	3.29E-05	0
45	0	0	0	0	0	0	0	0.001019	0
46	0	0	0	0	0	0	0	3.29E-05	0
47	0	0	0	0.111969	0	0	3.29E-05	0.004208	0
48	0	0	0	0.001611	0	0	0	0.001315	0
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2	0	0	0	0	0	0	0	0.004011	0
3	0	0	0	0	0	0	0	0.002104	3.29E-05
4	0	0	0	6.57E-05	0	0	0	0.00332	0
5	0	0	0	0	0	0	0	0.098754	0.000164
6	0	0	0	9.86E-05	0	0	0	0.004931	0
7	0	0	0	0	0	0	0	0.000822	0
8	0	0	0	0.000493	0	0	0	0.001019	0
9	0	0.000197	0	0.000164	0	0	0	0	0
10	0	0	0	0.000855	0	0	0	3.29E-05	0
11	0	0	0	0.008186	0	0	3.29E-05	0.003616	0
12	0	0	0	0.000362	0	0	0	0.000131	0
13	0	0	0	0.001216	0	0	0	0.00046	0
14	0	0	0	0.000888	0	0	0	0.00023	0
15	0	0	0	0.00069	0	0	0	0.00194	3.29E-05
16	0	0	0	0.002893	0	0	0	0.004602	0
17	0	0	6.57E-05	0.00069	0	0	0	6.57E-05	0
18	0	0	0	0.000197	0	0	0	0.00263	0
19	0	6.57E-05	0	6.57E-05	0	0	0	0.005293	0
20	0	0	0	0.00023	0	0	9.86E-05	0.005917	0
21	0	0	0	0	0	0	0	6.57E-05	0
22	0	0	0	0	0	0	0	0.00023	0
23	0	0	0	6.57E-05	0	0	0	0.000526	0
24	0	0	0	6.57E-05	0	0	0	0.015155	3.29E-05
25	0	0	0	0	0	0	0	0.003123	3.29E-05
26	0	0	0	3.29E-05	0	0	0	0.004044	0
27	0	0	0	0	0	0	0	0.002597	0
28	0	0	0	0	0	3.29E-05	0.028042	3.29E-05	0
29	0	0	0	0	0	0	0	0.003386	0
30	0	0	0	0.000296	0	0	3.29E-05	0.009501	0
31	0	0	0	0	0	0	6.57E-05	0.043197	3.29E-05
32	0	0	0	0	0	0	3.29E-05	0.045794	0.000197
33	0	0	0	6.57E-05	0	0	6.57E-05	0.016503	0
34	0	0	0	0	0	0	0	0.005095	3.29E-05
35	0	0	0	0	0	0	6.57E-05	0.031362	3.29E-05
36	0	0	0	0	0	0	0	0.005063	0
37	0	0	0	3.29E-05	0	0	0	0.004471	3.29E-05
38	0	0	0	0.000657	0	0	0	9.86E-05	0
39	0	0	0	0.001446	0	0	0	0.005589	0
40	0	0	0	0.002794	0	0	0	0.032973	0.000164
41	0	0	0	0.006279	0	0	0	0.009238	3.29E-05
42	0	0	0	0.021138	0	0	0	0.000394	0
43	0	0	0	3.29E-05	0	0	0	0.004372	0
44	0	0	0	0	0	0	0	0.004175	0
45	0	0	0	6.57E-05	0	0	0	0.002104	0
46	0	0	0	0.000197	0	0	3.29E-05	0.002959	0
47	0	0	0	0	0	0	0	0.006805	3.29E-05
48	0	0	0	3.29E-05	0	0	0	0.001907	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0

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2	0	0	0	0	0	0	0	9.86E-05	0
3	0	0	0	0	0	0	6.57E-05	0.009106	0
4	0	0	0	3.29E-05	0	0	0	0.008482	3.29E-05
5	0	0	0	0	0	0	0	0.015977	6.57E-05
6	0	0	0	0	0	0	0	0.003255	3.29E-05
7	0	0	0	0	0	0	0	0.004405	0
8	0	0	0	0	0	0	0	0.010618	3.29E-05
9	0	0	0	0	0	0	0	0.002696	0
10	0	0	0	0	0	0	0	0.001216	0
11	0	0	0	0	0	0	0	0.001972	0
12	0	0	0	0	0	0	0	0.001972	0
13	0	0	0	0	0	0	0	0.001972	0
14	0	0	0	0.000263	0	0	0	0.00286	3.29E-05
15	0	0	0	0	0	0	0	0.007397	0
16	0	0	0	0	0	0	0	0.000756	0
17	0	0	0	0	0	0	0	0.000394	0
18	0	0	0	0	0	0	3.29E-05	0.000394	0
19	0	0	0	0	0	0	0	0.000197	0
20	0	0	0	0	0	0	0	0.000822	0
21	0	0	0	0	0	0	0	0.00023	0
22	0	0	0	0	0	0	0	0.002729	0
23	0	0	0	0	0	0	0	0.002038	0
24	0	0	0	0	0	0	0	0.001446	0
25	0	0	0	0	0	0	0	0.000953	0
26	0	0	0	0	0	0	0	0.000953	0
27	0	0	0	0	0	0	3.29E-05	0.00194	0
28	0	0	0	0	0	0	0	0.000953	0
29	0	0	0	0	0	0	0	0.000625	0
30	0	0	0	0	0	0	0	0.001841	0
31	0	0	0	0	0	0	0	0.001841	0
32	0	0	0	9.86E-05	0	0	3.29E-05	0.013774	3.29E-05
33	0	0	0	0.000296	0	0	0	0.009599	0
34	0	0	0	0.000131	0	0	0	6.57E-05	0
35	0	0	0	0.000131	0	0	0	0.000197	0
36	0	0	0	0.000131	0	0	0	0.000197	0
37	0	0	0	0.000427	0	0	3.29E-05	0	0
38	0	6.57E-05	0	0.000131	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	3.29E-05	0	0	0	0	0
41	0	0	0	3.29E-05	0	0	0	0	0
42	0	0	0	0.000756	0	0	0	0	0
43	0	0	0	6.57E-05	0	0	0	0	0
44	0	0	0	0	0	0	0	0.007824	6.57E-05
45	0	0	0	0.000526	0	0	0	0.001578	0
46	0	0	0	0	0	0	0	0.004307	0
47	0	0	0	0	0	0	0	0.004307	0
48	0	0	0	0.000164	0	0	0	0.006706	3.29E-05
49	0	0	0	0.000164	0	0	0	0.005457	3.29E-05
50	0	0	0	6.57E-05	0	0	0	0.013413	0
51	0	0	0	0	0	0	0	0.006509	0
52	0	0	0	0	0	0	0	0.009238	0
53	0	0	0	0	0	0	0	0.009238	0
54	0	0	0	6.57E-05	0	0	0	0.008021	0
55	0	0	0	0	0	0	0	0.005621	0
56	0	0	0	0	0	0	0	0.001348	0
57	0	0	0	0	0	0	0	0.000986	0
58	0	0	0	0	0	0	0	0.000986	0
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2	0	0	0	0	0	0	0	0.004471	0
3	0	0	0	0	0	0	0	0.004208	0
4	0	0	0	0	0	0	0	0.006904	0
5	0	0	0	0.000131	0	0	0	0.016306	6.57E-05
6	0	0	0	6.57E-05	0	0	0	0.001348	0
7	0	0	0	0.034386	0	0	3.29E-05	0.001019	6.57E-05
8	0	0	0	0.099083	0	0	0.000197	0.002334	0.001118
9	0	0	0	0.000131	0	0	0	0.000427	0.000164
10	0	0	0	0.032085	0	0	0	0.001216	0.000592
11	0	0	0	0	0	0	0	0.00549	0.000427
12	0	0	0	0	0	0	0	0.067589	6.57E-05
13	0	0	0	6.57E-05	0	0	6.57E-05	0.032019	6.57E-05
14	0	0	0	0	0	0	0	0.001841	0
15	0	0	0	0	0	0	0	0.001709	0
16	0	0	0	0	0	0	0	0.003715	0
17	0	0	0	0	0	0	0	0.003287	0
18	0	0	0	0	0	0	0	0.00069	0
19	0	0	0	0	0	0	0	0.006542	0
20	0	0	0	0	0	0	0	0.004504	0
21	0	0	0	3.29E-05	0	0	0	0.004931	0
22	0	0	0	6.57E-05	0	0	3.29E-05	0.003748	6.57E-05
23	0	0	0	3.29E-05	0	0	3.29E-05	0.010553	3.29E-05
24	0	0	0	0	0	0	0	0.003156	0
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4	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri
5	0	0	0	0	0	0	0	0.003156	0
6	0	0	0	0	0	0	0	0.000855	0
7	0	0	0	0	0	0	0	0.002597	0
8	0	0	0	0	0	3.29E-05	0	0.000362	0
9	0	0	0	0	0	0	0	0.001085	0
10	0	0	0	0	0	0	0	0.000296	0
11	0	0	0	0	0	0	0	0.001118	0
12	0	0	0	0	0	0	0	0.000164	0
13	0	0	0	0	0	0	0	0.0024	0
14	0	0	0	0	0	0	0	0.000855	0
15	0	0	0	0	0	0	0	0.00023	0
16	0	0	0	0	0	0	0	0.000164	0
17	0	0	0	0	0	0	0	0.002071	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0.000164	0
20	3.29E-05	0	0	0	0	0	0	0.002071	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0.000164	0
23	0	0	0	0	0	0	0	6.57E-05	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0.000164	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	3.29E-05	0
28	0	0	0	0	0	0	0	0.002761	0
29	0	0	0	0	0	0	0	0.003682	0
30	0	0	0	0	0	0	0	0.002531	0
31	0	0	0	0	0	0	0	0.004668	0
32	0	0	0	0	0	0	0	0.014037	0
33	0	0	0	0	0	0	0	0.000986	0
34	0	0	0	0	0	0	0	0.01098	0
35	0	0	0	0	0	0	0	0.016207	0
36	0	0	0	0	0	0	0	0.003846	0
37	0	0	0	0	0	0	0	0.000427	0
38	0	0	0	0	0	0	0	0.00572	0
39	0	0	0	0	0	0	0	0.000394	0
40	0	0	0	0	0	0	0	0.010355	0
41	0	0	0	0	0	0	0	0.002104	0
42	0	0	0	0	0	0	0	0.005556	0
43	0	0	0	0	0	0	0	0.003222	0
44	0	0	0	0	0	0	0	0.003189	0
45	0	0	0	0.00023	0	0	0	0.003123	0
46	0	0	0	0	0	0	0	0.002433	0
47	0	0	0	0	0	0	0	0.003748	0
48	0	0	0	0	0	0	0	0.001677	0
49	0	0	0	0	0	0	0	0.002498	0
50	0	0	0	0	0	0	0	0.003781	0
51	0	0	0	0	0	0	0	3.29E-05	0
52									
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2	0	0	0	0	0	0	0	0.00549	0
3	0	0	0	3.29E-05	0	0	0	0.001381	0
4	0	0	0	0	0	0	0	0.000822	0
5	0	0	0	3.29E-05	0	0	0	0.001479	0
6	0	0	0	0	0	0	0	0.001874	0
7	0	0	0	3.29E-05	0	0	0	0.000362	0
8	0	0	0	0	0	0	0	0.000362	0
9	0	0	0	0	0	0	0	0.000855	0
10	0	0	0	0	0	0	0	0.004438	0
11	0	0	0	0	0	0	0	0.004833	0
12	0	0	0	0	0	0	0	0.004833	0
13	0	0	0	0	0	0	0	0.00355	0
14	0	0	0	0	0	0	0	0.002005	0
15	0	0	0	0	0	0	0	0.002729	0
16	0	0	0	0	0	0	0	0.004833	0
17	0	0	0	3.29E-05	0	0	0	0.005753	0
18	0	0	0	0.00743	0	0	0	0.003649	0
19	0	0	0	0	0	0	0	0.008712	0
20	0	0	0	0	0	0	0	0.001151	0
21	0	0	0	0	0	0	0	0.00092	0
22	0	0	0	0	0	0	0	0.005687	0
23	0	0	0	0	0	0	0	0.000394	0
24	0	0	0	0	0	0	0	0.000592	0
25	0	0	0	0	0	0	0	0.0048	0
26	0	0	0	0	0	0	0	0.001118	0
27	0	0	0	0.000427	0	0	0	0.000723	0
28	0	0	0	0	0	0	0	0.00023	0
29	0	0	0	0	0	0	0	0.002433	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0.000263	0	0	0	0.001677	0
32	0	0	0	0	0	0	0	0.001315	0
33	0	0	0	0	0	0	0	0.008416	0
34	0	0	0	0	0	0	6.57E-05	0.005983	0
35	0	3.29E-05	0	0	0	0	0	0.010158	0
36	3.29E-05	0	0	0	0	0	0	0.004109	0
37	0	0	0	0	0	0	0	0.012788	0
38	0	0	0	0	0	3.29E-05	0	0.006147	0
39	9.86E-05	0	0	0.000625	0	0	0	0.003057	0
40	3.29E-05	0	0	0	0	0	0	0.000427	0
41	0	0	0	0.001709	0	0	0	0.003583	0
42	0	0	0	0.001019	0	0	0	0.002005	0
43	0	0	0	0	0	0	0	0.036162	0
44	0	0	0	0	0	3.29E-05	0	0.015484	0
45	0	0	0	0	0	0	0	0.011013	0
46	3.29E-05	0	0	0	0	0	3.29E-05	0	0
47	0.001315	0	0	0	0	0	0	0	0
48	0	0	0	0.002696	0	0	0	0.00457	0
49	0	0	0	0	0	0	0	0.000723	0
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2	0	0	0	0	0	0	0	0.002696	0
3	0	0	0	0	0	0	0	0.003945	0
4	0	0	0	0	0	0	0	0.002203	0
5	0	0	0	0	0	0	0	0.003781	0
6	0	0	0	0	0	0	0	0.001019	0
7	0	0	0	0	0	0	0	0.001874	0
8	0	0	0	0	0	0	0	0.000296	0
9	0	0	0	0	0	0	0	0.00069	0
10	0	0	0	0	0	0	0	0.000526	0
11	0	0	0	0	0	0	0	0.004997	0
12	0	0	0	0	0	0	0	0.015451	0
13	0	0	0	0	0	0	0	0.008251	0
14	0	0	0	0	0	0	0	0.005057	0
15	0	0	0	0	0	0	0	0.003156	0
16	0	0	0	0	0	0	0	0.000263	0
17	0	0	0	0	0	0	0	0.000329	0
18	0	0	0	0	0	0	0	0.000263	0
19	0	0	0	0	0	0	0	0.001183	0
20	0	0	0	0	0	0	0	0.000164	0
21	0	0	0	0	0	0	0	0.000362	0
22	0	0	0	0	0	0	0	0.001348	0
23	0	0	0	0	0	0	0	0.004471	0
24	0	0	0	0	0	0	0	0.000986	0
25	0	0	0	0	0	0	0	0.015714	0
26	0	0	0	0	0	0	0	0.005852	0
27	0	0	0	0	0	0	0	0.009829	0
28	0	0	0	0	0	0	0	0.001578	0
29	0	0	0	0	0	0	0	0.00332	0
30	0	0	0	0	0	0	0	0.000131	0
31	0	0	0	0	0	0	0	0.000855	0
32	0	0	0	0	0	0	0	0.000362	0
33	0	0	0	0	0	0	0	0.007035	0
34	0	0	0	0	0	0	0	0.010914	0
35	0	0	0	0	0	0	0	0.00503	0
36	0	3.29E-05	0	0.000164	0	0	0	0.009994	0
37	0	0	0	0	0	0	0	0.001775	0
38	0	0	0	0	0	0	0	0.000394	0
39	0	0	0	0	0	0	0	0.00023	0
40	0	0	0	0	0	0	0	0.008909	0
41	0	0	0	0.000427	0	0	0	0.0024	0
42	0	0	0	3.29E-05	0	0	0	0.007232	0
43	3.29E-05	0	0	0	0	0	0	0.00743	0
44	3.29E-05	0	0	0	0	0	0	0.008021	0
45	0	0	0	0	0	0	0	0.003649	0
46	0	0	0	0	0	0	0	0.00789	0
47	0	0	0	0	0	0	0	0.00618	0
48	0	0	0	0	0	0	0	0.005391	0
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2	0	0	0	0	0	0	0	0.00332	0
3	0	0	0	0	0	0	0	0.001512	0
4	0	0	0	0	0	0	0	0.003222	0
5	0	0	0	0	0	0	0	0.001151	0
6	0	0	0	0	0	0	0	0.000855	0
7	0	0	0	0	0	0	0	0.000723	0
8	0	0	0	0	0	0	0	0.007002	0
9	0	0	0	0	0	0	0	0.00217	0
10	0	0	0	0	0	0	0	0.004076	0
11	0	0	0	0	0	3.29E-05	0	0.006213	0
12	0	0	0	0	0	0	0	0.000329	0
13	0	0	0	0	0	0	0	0.000362	0
14	0	0	0	0	0	0	0	0.011407	0
15	0	0	0	0	0	0	0	0.005358	0
16	0	0	0	0	0	0	0	0.001249	0
17	6.57E-05	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0.010651	0
19	0	0	0	0	0	0	0	0.00457	0
20	0	0	0	0	0	0	0	0.005852	0
21	0	3.29E-05	0	0	0	0	0	0.003189	0
22	0	0	0	3.29E-05	0	0	0	0.002597	0
23	0	0	0	0	0	0	0	0.006147	0
24	0	0	0	0	0	0	0	0.044972	3.29E-05
25	9.86E-05	0	0	0	0	0	0	0.001512	0
26	0	0	0	0	0	0	0	0.000888	0
27	0	0	0	0	0	0	0	0.001611	0
28	0	0	0	0	0	0	0	0.001085	0
29	0	0	0	0	0	0	0	6.57E-05	0.001775
30	0	0	0	0	0	0	0	0.004833	0
31	0	0	0	0	0	0	0	0.002137	0
32	0	0	0	0.000427	0	0	0	0.004734	0
33	0	0	0	9.86E-05	0	0	0	0.006969	0
34	0	0	0	3.29E-05	0	0	0	0.002367	0
35	0	0	0	3.29E-05	0	0	0	0.005424	0
36	0	0	0	0	0	0	0	0.005424	0
37	0	0	0	0.000329	0	0	0	0.00286	0
38	3.29E-05	0	0	0	0	0	0	0.007101	0
39	0	0	0	0	0	0	0	0.006443	0
40	0	0	0	0	0	0	0	0.004701	0
41	0	0	0	0	0	0	0	0.004701	0
42	0	0	0	0	0	0	0	0.000625	0
43	0	0	0	0.005095	3.29E-05	0	0	0.001151	0
44	0	0	0	0	0	0	0	0.001151	0
45	0	0	0	0	0	0	0	0.001677	0
46	0	0	0	0	0	0	0	0.000756	0
47	0	0	0	0	0	0	0	0.000493	0
48	0	0	0	0	0	0	0	0.002038	0
49	0	0	0	0	0	0	0	0.002992	0
50	0	0	0	0	0	0	0	9.86E-05	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
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2		0	0	0	0.000296	0	0	0	6.57E-05
3		0	0	0	0	0	0	0	0
4		0	0	0	0	0	0	6.57E-05	0.002433
5		0	0	0	0	0	0	0	0.000362
6		0	0	0	0	0	0	0	6.57E-05
7		0	0	0	0	0	0	0	0.002761
8	3.29E-05		0	0	0	0	0	0	0.003846
9		0	0	0	0	0	0	0	0.005687
10		0	0	0	0	0	0	0	0.008942
11		0	0	0	0	0	0	0	0.004339
12		0	0	0	0	0	0	0	0.0024
13		0	0	0	0	0	0	0	0.008054
14		0	0	0	0	0	0	0	0.002696
15		0	0	0	0	0	0	0	0.001118
16		0	0	0	0	0	0	0	0.002038
17		0	0	0	0	0	0	0	0.003485
18	3.29E-05		0	0	0	0	0	0	0.003748
19		0	0	0	0	0	0	0	0.001348
20		0	0	0	0	0	0	0	0.007298
21		0	0	6.57E-05	0	0	0	0	0.005194
22		0	0	0	0	0	0	0	0.011605
23		0	0	0	0	0	0	0	0.015582
24		0	0	0	0	0	0	0	0.002334
25		0	0	0	0	0	0	0	0.000164
26		0	0	0	0	0	0	0	9.86E-05
27		0	0	0	0	0	0	0	0.002301
28		0	0	0	0	0	0	0	0.004471
29		0	0	0	0	0	0	0	0.001611
30		0	0	0	0	0	0	0	0.002794
31		0	0	0	0	0	0	0	0.000263
32		0	0	0	6.57E-05	0	0	0	0.005194
33		0	0	0	0	0	0	0	0.001019
34		0	0	0	0	0	0	0	9.86E-05
35		0	0	0	0	0	0	0	0.000723
36		0	0	0	0	0	0	0	0.002367
37		0	0	0	0	0	0	0	0.002301
38		0	0	0	0	0	0	0	0.004208
39		0	0	0	0	0	0	0	0.004142
40		0	0	0	0	0	0	0	0.003189
41		0	0	0	0	0	0	0	0.005852
42		0	0	0	0	0	0	0	0.00194
43		0	0	0	0	0	0	0	0.000493
44	3.29E-05		0	0	0	0	0	0	0.010322
45		0	0	0	0	0	0	0	0.009271
46		0	0	0	0	0	0	0	0.003715
47		0	0	0	0	0	0	0	0.003945
48		0	0	0	3.29E-05	0	0	3.29E-05	0.004602
49		0	0	0	0	0	0	0	0
50		0	0	0	0	0	0	0	0
51		0	0	0	0	0	0	0	0
52		0	0	0	0	0	0	0	0
53		0	0	0	0	0	0	0	0
54		0	0	0	0	0	0	0	0
55		0	0	0	0	0	0	0	0
56		0	0	0	0	0	0	0	0
57		0	0	0	0	0	0	0	0
58		0	0	0	0	0	0	0	0
59		0	0	0	0	0	0	0	0
60		0	0	0	0	0	0	0	0

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2	0	0	0	0	0	0	0	0.010783	0
3	0	0	0	0	0	0	0	0.001414	0
4	0	3.29E-05	0	0	0	3.29E-05	0	0.030376	0
5	0	0	0	0	0	0	0	0.000592	0
6	3.29E-05	0	0	0	0	0	0	0.002005	0
7	0	0	0	0	0	0	0	0.000789	0
8	0	0	0	0.000164	0	0	0	0.003813	0
9	0	0	0	0	0	0	0	0.001381	0
10	0	0	0	0	0	0	0	0.003156	0
11	0	0	0	0	0	0	0	0.00092	0
12	0	0	0	0	0	0	0	0.000329	0
13	0	0	0	0	0	0	0	0.001907	0
14	0	0	0	0	0	0	0	9.86E-05	0
15	0	0	0	0	0	0	0	0.000723	0
16	0	0	0	0	0	0	0	0.00766	0
17	0	0	0	0	0	0	0	0.002498	0
18	0	0	0	0	0	0	0	0.001512	0
19	0	0	0	0	0	0	0	0.002334	0
20	0	0	0	0	0	0	0	0.008547	0
21	0	0	0	0	0	0	0	0.003649	0
22	0	0	0	0	0	0	0	0.003518	0
23	0	0	0	0	0	0	0	0.000986	0
24	0	0	0	0	0	0	0	0.000131	0
25	0	0	0	0	0	0	0	0.00263	0
26	0	0	0	0	0	0	0	0.000263	0
27	0	0	0	0	0	0	0	0.000131	0
28	0	0	0	0	0	0	0	3.29E-05	0
29	0	0	0	0	0	0	0	3.29E-05	0
30	0	0	0	0	0	0	0	0.001578	0
31	0	0	0	0	0	0	0	3.29E-05	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0.001742	0
36	0	0	0	0	0	0	0	0.00194	0
37	0	0	0	0	0	0	0	0.010027	0
38	3.29E-05	0	0	0	0	0	0	0.008284	0
39	0	0	0	0	0	0	0	0.003649	0
40	0	0	0	0	0	0	0	0.00046	0
41	3.29E-05	0	0	9.86E-05	0	0	0	0.00263	0
42	0	0	0	0	0	0	0	0.003518	0
43	0	0	0	0	0	0	0	0.00572	0
44	0	0	0	0	0	0	0	0.006312	0
45	0	0	0	0	0	0	0	0.002696	0
46	3.29E-05	0	0	0	0	0	0	0.002827	0
47	3.29E-05	0	0	0	0	0	0	0.000625	0
48	0	0	0	0	0	0	0	0.00194	0
49	0	0	0	0	0	0	0	0.001545	0
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2	0	0	0	0	0	0	0	0.014761	0
3	0	0	0	0	0	0	0	0.004471	0
4	0	0	0	0	0	0	0	0.001479	0
5	0	0	0	0	0	0	0	0.003386	0
6	0	0	0	0	0	0	0	0.001512	0
7	0	0	0	0	0	0	0	0.004175	0
8	0	0	0	0	0	0	0	0.00046	0
9	0	0	0	0	0	0	0	0.001052	0
10	0	0	0	0	0	0	0	9.86E-05	0
11	0	0	0	0	0	0	0	0.001085	0
12	0	0	0	0	0	0	0	0.000657	0
13	0	0	0	0	3.29E-05	0	0	0.001052	0
14	0	0	0	0	0	0	0	0.00046	0
15	0	0	0	0	0	0	0	0.004602	0
16	0	0	0	0	0	0	0	0.001545	0
17	0	0	0	0	0	0	0	0.003057	0
18	0	0	0	0	0	0	0	0.000197	0
19	0	0	0	0	0	0	0	6.57E-05	0
20	0	0	0	0	0	0	0	0.00194	0
21	0	0	0	0	0	0	0	0.002761	0
22	0	0	0	0	0	0	0	6.57E-05	0
23	0	0	0	0	0	0	0	6.57E-05	0
24	0	0	0	0	0	0	0	0.001216	0
25	0	0	0	0	0	0	0	0.000986	0
26	0	0	0	0	0	0	0	0.001216	0
27	0	0	0	0	0	0	0	0.000197	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0.000296	0
30	0	0	0	0	0	0	0	0.000888	0
31	0	0	0	0	0	0	0	0.001249	0
32	0	0	0	0	0	0	0	9.86E-05	0
33	0	0	0	0	0	0	0	3.29E-05	0
34	0	0	0	0	0	0	0	0.000526	0
35	0	0	0	0	0	0	0	0.002992	0
36	0	0	0	0	0	0	0	0.000526	0
37	0	0	0	0	0	0	0	0.000164	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0.002005	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0.01098	0
42	0	0	0	0	0	0	0	0.002992	0
43	0	0	0	0	0	0	0	0.003386	0
44	0	0	0	0	0	0	0	0.005293	0
45	0	0	0	0	0	0	0	0.005293	0
46	0	0	0	0	0	0	0	0.006641	0
47	0	0	0	0	0	0	0	0.011243	0
48	0	0	0	0	0	0	0	0.011769	0
49	0	0	0	0	0	0	0	0.000888	0
50	0	0	0	0	0	0	0		
51	0	0	0	0	0	0	0		
52	0	0	0	0	0	0	0		
53	0	0	0	0	0	0	0		
54	0	0	0	0	0	0	0		
55	0	0	0	0	0	0	0		
56	0	0	0	0	0	0	0		
57	0	0	0	0	0	0	0		
58	0	0	0	0	0	0	0		
59									
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2	0	0	0	0	0	0	0	0.001479	0
3	0	0	0	0	0	0	0	0.00332	0
4	0	0	0	0	0	0	0	0.000592	0
5	0	0	0	0	0	0	0	0.01075	0
6	0	0	0	0	0	0	0	0.009369	0
7	0	0	0	0	0	0	0	0.009369	0
8	9.86E-05	0	0	0	0	6.57E-05	0	0.009139	0
9	0	0	0	0	0	0	0	0.003287	0
10	0	0	0	0	0	0	0	0.003518	0
11	0	0	0	9.86E-05	0	0	0	0.005589	0
12	0	0	0	0.000197	0	0	0	0.004701	0
13	0	0	0	0.000197	0	0	0	0.004701	0
14	3.29E-05	0	0	0	0	0	0	0.007528	0
15	0	0	0	0	0	0	0	0.000164	0
16	0	0	0	0	0	0	0	0.0024	0
17	0	0	0	0	0	0	0	0.015451	0
18	3.29E-05	0	0	0	0	0	0	0.015451	0
19	0	0	0	0	0	0	0	0.004931	0
20	0	0	0	0	0	0	0	0.000362	0
21	0	0	0	0	0	0	0	0.001578	0
22	0	0	0	0	0	0	0	0.001874	0
23	0	0	0	0	0	0	0	0.002564	0
24	0	0	0	0	0	0	0	0.002564	0
25	3.29E-05	0	0	3.29E-05	0	0	0	0.017851	0
26	0	0	0	0	0	0	0	0.000493	0
27	0	0	0	0	0	3.29E-05	0	0.002564	0
28	0	0	0	0	0	0	0	0.001183	0
29	0	0	0	0	0	0	0	0.000625	0
30	0	0	0	0	0	0	0	0.000625	0
31	0	0	0	0	0	0	0	0.000756	0
32	0	0	0	0	0	0	0	0.000329	0
33	0	0	0	0	0	0	0	0.001381	0
34	0	0	0	0	0	0	0	0.001118	0
35	0	0	0	0	0	0	0	0.002104	0
36	0	0	0	0	0	0	0	0.002104	0
37	0	0	0	0.000329	0	0	0	0.000427	0
38	0	0	0	9.86E-05	0	0	0	0.000493	0
39	0	0	0	0	0	0	0	0.001019	0
40	0	0	0	0	0	0	0	0.001019	0
41	3.29E-05	0	0	0.002663	0	0	0	0.000493	0
42	0	0	0	0	0	0	0	0.000164	0
43	0	0	0	0.000131	0	0	0	3.29E-05	0
44	0	0	0	0	0	0	0	3.29E-05	0
45	0	0	0	0	0	0	0	6.57E-05	0
46	0	0	0	0.000855	0	0	0	0.000493	0
47	0	0	0	0.000592	0	0	0	0.001348	0
48	0	0	0	0	0	0	0	0.002235	0
49	0	0	0	0	0	0	0	0.002235	0
50	0	0	0	0	0	0	0	0.002729	0
51	0	0	0	0	0	0	0	0.008087	0
52	0	0	0	0	0	0	0	0.008087	0
53	0	0	0	0.000986	0	0	0	0.002137	0
54	0	0	0	0	0	0	0	0.000362	0
55	0	0	0	0.000362	0	0	0	0.000756	0
56	0	0	0	0	0.000888	0	0	0.005687	0
57	0	0	0	0	0	0	0	0.00046	0
58	0	0	0	0	0	0	0	0.00046	0
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2	0	0	0	0	0	0	0	0.000592	0
3	0	0	0	0	0	0	0	0.004602	0
4	0	0	0	0	0	0	0	0.000625	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	3.29E-05	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0.000131	0
15	0	0	0	0	0	0	0	0.000362	0
16	0	0	0	0	0	0	0	0.000394	0
17	0	0	0	0	0	0	0	3.29E-05	0
18	0	0	0	0	0	0	0	0.001052	0
19	0	0	0	0	0	0	0	0.000263	0
20	0	0	0	0	0	0	0	3.29E-05	0
21	0	0	0	0	0	0	0	0.016273	0
22	0	0	0	0	0	0	0	0.009106	0
23	0	0	0	0	0	0	0	0.00457	0
24	0	0	0	0	0	0	0	0.01075	0
25	0	0	0	0	0	0	0	0.008416	0
26	0	0	0	0	0	0	0	0.005884	0
27	0	0	0	0	0	0	0	0.002531	0
28	0	0	0	0	0	0	0	0.002761	0
29	0	0	0	0	0	0	0	0.001282	0
30	0	0	0	0	0	0	0	0.001052	0
31	0	0	0	0	0	0	0	0.001742	0
32	0	0	0	0	0	0	0	0.000526	0
33	0	0	0	3.29E-05	0	0	0	0.004537	0
34	0	0	0	0	0	0	0	0.002992	0
35	0	0	0	0	0	0	0	0.000427	0
36	0	0	0	0	0	0	0	0.001709	0
37	0	0	0	0	0	0	0	9.86E-05	0
38	0	0	0	0	0	0	0	0.000822	0
39	0	0	0	0	0	0	0	0.005128	0
40	0	0	0	0	0	0	0	0.002235	0
41	0	0	3.29E-05	0	0	0	0	0.000362	0
42	0	0	0	0	0	0	0	0.000296	0
43	0	0	0	0	0	0	0	0.000559	0
44	0	0	0	0	0	0	0	0.001151	0
45	0	0	0	0	0	0	0	0.000197	0
46	3.29E-05	0	0	0	0	0	0	0.001446	0
47	0	0	0	0	0	0	0	0.007134	0
48	0	0	0	0	0	0	0	0.001315	0
49	0	0	0	0	0	0	0	0.000789	0
50	0	0	0	0	0	0	0	0.004833	0
51									
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2	0	0	0	0	0	0	0	0.002531	0
3	0	0	0	0	0	0	0	0.00835	0
4	0	0	0	0	0	0	0	0.000164	0
5	0	0	0	0	0	3.29E-05	0	0.039778	0
6	0	0	0	0	0	0	0	0.003813	0
7	0	0	0	0	0	0	0	0.001282	0
8	0	0	0	0	0	0	0	0.000986	0
9	3.29E-05	0	0	6.57E-05	0	0	0	3.29E-05	0
10	0	0	0	0	0	0	0	0.000362	0
11	0	0	0	9.86E-05	0	0	0	0.000131	0
12	0	0	0	0	0	0	0	0.000263	0
13	0	0	0	0	0	0	0	0.001151	0
14	0	0	0	0	0	0	0	0.004044	0
15	6.57E-05	0	0	0	0	0	0	0.002729	0
16	0	0	0	0	6.57E-05	0	0	0.004109	0
17	0	0	0	0	0	0	0	0.001348	0
18	0	0	0	0	0	0	0	0.003649	0
19	0	0	0	3.29E-05	0	0	0	0.003846	0
20	0	0	0	0	0	0	0	0.004833	0
21	0	0	0	0	0	0	0	0.000592	0
22	0	3.29E-05	0	0	0	0	0	0.001479	0
23	0	0	0	0	0	0	0	0.004011	0
24	0	0	0	0	0	0	0	0.002071	0
25	0	0	0	0	0	0	0	0.012755	0
26	0	0	0	0	0	0	0	0.010158	0
27	0	0	0	0	0	0	0	0.000986	0
28	0	0	0	0	0	0	0	0.002268	0
29	0	0	0	0	0	0	0	0.000888	0
30	0	0	0	0	0	0	0	0.00023	0
31	0	0	0	0	0	0	0	0.000625	0
32	0	0	0	0	0	0	0	0.001644	0
33	0	0	0	0	0	0	0	0.003682	0
34	0	0	0	0	0	0	0	0.00194	0
35	0	0	0	0	0	0	0	0.000888	0
36	0	0	0	0	0	0	0	0.000888	0
37	0	0	0	0	0	0	0	0.004339	0
38	3.29E-05	0	0	0	0	0	0	0.002992	0
39	0	0	0	0	0	0	0	6.57E-05	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0.000164	0
42	0	0	0	0	0	0	0	3.29E-05	0
43	3.29E-05	0	0	0	0	0	0	3.29E-05	0
44	0	0	0	0.000131	0	0	0	0.001874	0
45	0	0	0	0	0	0	0	6.57E-05	0
46	0	0	0	0	0	0	0	6.57E-05	0
47	0	0	0	0	0	0	0	6.57E-05	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0.002334	0
50	0	0	0	0	0	0	0	0.001414	0
51	0	0	0	0	0	0	0		
52	0	0	0	0	0	0	0		
53	0	0	0	0	0	0	0		
54	0	0	0	0	0	0	0		
55	0	0	0	0	0	0	0		
56	0	0	0	0	0	0	0		
57	0	0	0	0	0	0	0		
58	0	0	0	0	0	0	0		
59									
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1									
2	0	0	0	0	0	0	0	0.00309	0
3	0	0	0	0	0	0	0	0.001151	0
4	0	0	0	0	0	0	0	0.001709	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0.001348	0
7	0	0	0	0	0	0	0	0.001644	0
8	0	0	0	0	0	0	0	0.001644	0
9	0	0	0	0	0	3.29E-05	0	0.004044	0
10	0	0	0	0	0.000164	0	0	0.002761	0
11	0	0	0	0	0	0	0	0.002466	0
12	0	0	0	0	0	0	0	0.003682	0
13	0	0	0	0	0	0	0	0.003682	0
14	0	0	0	0	0	0	0	0.00641	0
15	0	0	0	0	0	0	0	0.008251	0
16	0	0	0	0	0	0	0	0.001414	0
17	0	0	0	0	0	0	0	0.002301	0
18	0	0	0	0	0	0	0	0.000296	0
19	0	0	0	0	0	0	0	0.001545	0
20	0	0	0	0	0	0	0	0.001545	0
21	0	0	0	0	0	0	0	3.29E-05	0
22	0	0	0	3.29E-05	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0.000131	0
26	0	0	0	0	0	0	0	0.000197	0
27	0	0	0	0	0	0	0	0.000362	0
28	0	0	0	0	0	0	0	9.86E-05	0
29	0	0	0	0.000493	0	0	0	6.57E-05	0
30	0	0	0	0	0	0	0	0.002564	0
31	0	0	0	0	0	0	0	0.001841	0
32	0	0	0	0	0	0	0	0.001841	0
33	0	0	0	6.57E-05	0	0	0	0.023571	0
34	0	0	0	0	0	0	0	0.004076	0
35	0	0	0	0	6.57E-05	0	0	0.004833	0
36	3.29E-05	0	0	0	0	3.29E-05	0	0.00858	0
37	0	0	0	0	0	0	0	0.003452	0
38	0	0	0	0	0	0	0	0.007002	0
39	0	0	0	0	0	0	0	0.007002	0
40	0	0	0	0	0	0	0	0.002235	0
41	0	0	0	0	0	0	0	0.0048	0
42	0	0	0	0	0	0	0	0.0048	0
43	0	0	0	6.57E-05	0	0	0	0.002498	0
44	0	0	0	0	0	0	0	0.001118	0
45	0	0	0	0	0	0	0	3.29E-05	0
46	0	0	0	0	0	0	0	0.001085	0
47	0	0	0	0	0	0	0	0.005063	0
48	3.29E-05	0	0	0	0	0	0	0.007035	0
49	0	0	0	0	0	0	0	0.000329	0
50	0	0	0	0	0	0	0	0.001249	0
51	0	0	0	0	0	0	0	0.001249	0
52	0	0	0	0.004044	0	0	0	0.000953	0
53	0	0	0	0	0	0	0	0.001775	0
54	0	0	0	0	0	0	0	0.001381	0
55	3.29E-05	0	0	0	0	0	0	0.000953	0
56	0	0	0	0	0	0	0	0.00503	0
57	0	0	0	0	0	0	0	0.00503	0
58									
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0	0	0	0	0	0	0	0.00023	0
3.29E-05	0	0	0	0	0	0	0.002893	0
0	0	0	0	0	0	0	0.001972	0
0	0	0	0	0	0	0	0.001282	0
0	0	0	0	0	0	0	0.001578	0
0	0	0	0	0	0	0	0.002926	0
0	0	0	0	0	0	0	0.002959	0
0	0	0	0	0	0	0	0.001446	0
0	0	0	0	0	0	0	0.000756	0
0	3.29E-05	0	3.29E-05	0	0	0	0.001611	0
0	0	0	0.000164	0	0	0	0.005424	0
0	0	0	0	0	3.29E-05	0	0.010553	0
0	0	0	0	0	0	0	0.001118	0
0	0	0	0	0	0	0	0.000592	0
0	0	0	0	0	0	0	0.000394	0
0	0	0	0	0	0	0	0.000263	0
0	0	0	0	0	0	0	3.29E-05	0
0	0	0	0	0	0	0	0.001118	0
0	0	0	0	0	0	0	0.000559	0
0	3.29E-05	0	0	0	0	0	0.000362	0
0	0	0	0	0	0	0	0.000526	0
0	0	0	0	0	0	0	0.000394	0
0	0	0	0	0	0	0	0.000296	0
0	0	0	0	0	0	0	0.000362	0
0	0	0	0	0	0	0	0.001085	0
3.29E-05	0	0	0	0	0	0	6.57E-05	0
0	0	0	0	0	0	0	0.00023	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	3.29E-05	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	3.29E-05	0
3.29E-05	0	6.57E-05	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0.001874	0
0	0	0	0	0	0	0	0.002038	0
0	0	0	0	0	3.29E-05	0	0.006476	0
0	0	0	0	0	0	0	0.001742	0
3.29E-05	0	0	3.29E-05	0	0	0	0.002959	0
0	0	0	0	0	0	0	0.006213	0
0	0	0	0	0	0	0	0.001841	0
0	0	0	0	0	0	0	0.005556	0
0	0	0	0	0	0	0	0.002926	0
0	0	0	0	0	0	0	0.00046	0
0	0	0	0	0	0	0	0.00023	0
0	0	0	0	0	0	0	0.000131	0

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2	0	0	0	0.000263	0	0	0	0.00194	0
3	0	0	0	0	0	0	0	0.004208	0
4	0	0	0	0	0	0	0	0.00309	0
5	0	0	0	0	0	0	0	0.005457	0
6	0	0	0	0	0	0	0	0.00069	0
7	0	0	0	0	0	0	0	0.00023	0
8	0	0	0	0	0	0	0	0.00023	0
9	0	0	0	0.008613	0	0	0	3.29E-05	0
10	0	0	0	0	0	0	0	0.003386	0
11	0	0	0	0	0	0	0	0.000493	0
12	0	0	0	0.002235	0	0	0	0.002334	0
13	0	0	0	0.002235	0	0	0	0.002334	0
14	0	0	6.57E-05	0	0	0	0	0.000789	0
15	3.29E-05	0	0	6.57E-05	0	3.29E-05	0	0.016043	0
16	0	0	0	0	0	0	0	0.000131	0
17	0	0	0	6.57E-05	0	0	0	0.001085	0
18	0	0	0	0.000493	0	0	0	0.000526	0
19	0	0	0	0.000296	0	0	0	0.000953	0
20	0	0	0	0	0	0	0	0.000427	0
21	0	0	0	0	0	0	0	0.005063	0
22	0	0	0	0	0	0	0	0.000493	0
23	0	0	0	0	0	0	0	0.000493	0
24	0	0	0	6.57E-05	0	0	0	0.000789	0
25	0	0	0	0.000526	0	0	0	0.000953	0
26	0	0	0	3.29E-05	0	0	0	0.006575	0
27	0	0	0	0	0	0	0	0.000986	0
28	0	0	0	0	0	0	0	0.000986	0
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k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri
0	0	6.57E-05	0	0	0	0.007923	0	0
0	0	0	0	0	0	0.006082	0	0
0	0	0	0	0	0	0.002597	0	0
0	0	0	0	0	0	0.001578	0	0
0	0	0	0	3.29E-05	0	0.00217	0	0
0	0	0	0	0	0	3.29E-05	0	0
0	0	0	0	0	0	0.004109	0	0
0	0	0	0	0	0	0.001052	0	0
0	0	0	0	0	0	0.001841	0	0
0	0	0	0	3.29E-05	0	0.008449	0	0
0	0	0	0	0	0	0.020513	0	0
0	0	0	0	0	0	0.000625	0	0
0	0	0.003616	0	3.29E-05	0	0.024491	0	0
0	0	0.000394	0	0	0	0.056609	0	0
0	0	3.29E-05	0	0	0	0.010914	0	0
0	0	0	0	0	0	0.008843	0	0
0	0	0	0	0	0	0.048226	0	0
0	0	0	0	0	0	9.86E-05	0	0
0	0	0	0	0	0	0.002466	0	0
0	0	9.86E-05	0	0	0	0.002071	0	0
0	0	3.29E-05	0	0	0	0.003616	0	0
0	0	0	0	3.29E-05	0	0.012657	0	0
0	0	0.000164	0	0	0	0.001151	0	0
0	0	0	0	3.29E-05	0	0	0	0
0	0	0	0	0	0	6.57E-05	0	0
0	0	0	0	0	0	0	0	0
0	0	6.57E-05	0	0	0	0.000493	0	0
0	0	3.29E-05	0	6.57E-05	0	0.002235	0	0
0	0	0	0	0	0	0.005424	0	0
0	0	0	0	3.29E-05	0	0.001414	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.000822	0	0
0	0	9.86E-05	0	9.86E-05	0	0.001052	0	0
0	0	0	0	0	0	0.001085	0	0
0	0	6.57E-05	0	3.29E-05	0	0.001019	0	0
0	0	0	0	0	0	3.29E-05	0	0
0	0	0	0	0	0	0.00217	0	0
0	0	0	0	0	0	0.00309	0	0
0	0	0	0	0	0	0.000263	0	0
0	0	0	0	0	0	0.000592	0	0
0	0	0	0	0	0	0.000197	0	0
0	0	0	0	0	0	0.000296	0	0
0	0	0	0	0	0	3.29E-05	0	0
0	0	0	0	0	0	0.000592	0	0

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2	0	0	0	0	0	0	6.57E-05	0	0
3	0	0	0	0	0	0	0.000263	0	0
4	0	0	0	0	0	0	9.86E-05	0	0
5	0	0	3.29E-05	0	3.29E-05	0	0.000131	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	3.29E-05	0	0
8	0	0	0	0	0	0	0.000394	0	0
9	0	0	0	0	0	0	0.000164	0	0
10	0	0	0	0	3.29E-05	0	0	0	0
11	0	0	0	0	6.57E-05	0	0.000197	0	0
12	0	0	0.001644	0	0	0	0.019494	0	0
13	0	0	0	0	0	0	0.000131	0	0
14	0	0	0	0	0	0	0.000559	0	0
15	0	0	0	0	3.29E-05	0	0.00023	0	0
16	0	0	0	0	3.29E-05	0	0	0	0
17	0	0	0	0	3.29E-05	0	0.003781	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0.000131	0	0	3.29E-05	0.00046	0	0
25	0	0	0	0	0	0	0.001677	0	0
26	0	0	0	0	0	0	0.000789	0	0
27	0	0	0	0	0	0	0.000329	0	0
28	0	0	0	0	0	0	0.000394	0	0
29	0	0	0	0	0	0	0.000986	0	0
30	0	0	0	0	0	0	3.29E-05	0	0
31	0	0	0	0	0	0	0.000164	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	3.29E-05	0.000822	0	0	0	0.001414	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0.00023	0	0
38	0	0	0	0	0	0	9.86E-05	0	0
39	0	0	6.57E-05	0	0	0	0.00069	0	0
40	0	0	0	0	3.29E-05	0	0	0	0
41	0	0	3.29E-05	0	6.57E-05	0	0.000953	0	0
42	0	0	6.57E-05	0	0	0	9.86E-05	0	0
43	0	0	0.00332	0	0	0	0.002038	0	0
44	0	0	0.003386	0	0	0.00069	0.085144	0	0
45	0	0	0	0	0	0	0.003715	0	0
46	0	0	3.29E-05	0	0	0	0.004372	0	0
47	0	3.29E-05	6.57E-05	0	0.00023	0	0.001381	0	0
48	0	3.29E-05	0	0	3.29E-05	0	0.00046	0	0
49	0	0	0	0	0	0	0.000427	0	0
50	0	0	0.00263	0	0	0	0.025247	0	0
51	0	0	0	0	3.29E-05	0	0.004208	0	0
52	0	0	0	0	3.29E-05	0	0.002827	0	0
53	0	0	0	0	0	0	0.000329	0	0
54	0	0	0	0	0	0	0.000329	0	0
55	0	0	0	0	0	0	0.000329	0	0
56	0	0	0	0	0	0	0.000329	0	0
57	0	0	0	0	0	0	0.000329	0	0
58	0	0	0	0	0	0	0.000329	0	0
59	0	0	0	0	0	0	0.000329	0	0
60	0	0	0	0	0	0	0.000329	0	0

1								
2	0	0	6.57E-05	0	0	0	0.000493	0
3	0	0	0	0	0	0	0.000362	0
4	0	0	0	0	0	0	0.00046	0
5	0	0	0	0	3.29E-05	0	0.001742	0
6	0	0	0	0	0	0	0.000394	0
7	0	0	0	0	0	0	0.00023	0
8	0	0	0	0	0	0	0.000164	0
9	0	0	0	0	0	0	6.57E-05	0
10	0	0	0	0	0	0	3.29E-05	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0.000164	0
13	0	0	6.57E-05	0	0.000164	0	0.000164	0
14	0	0	3.29E-05	0	6.57E-05	0	3.29E-05	0
15	0	0	0.000562	0	7.02E-05	0	0.008919	0
16	0	0	3.29E-05	0	0	0	0.002071	0
17	0	0	3.29E-05	0	0	0	0.002433	0
18	0	0	0	0	3.29E-05	0	0.003287	0
19	0	0	0	0	0	0	0.000625	0
20	0	0	0	0	0	0	0.000296	0
21	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0.000822	0
23	0	0	3.29E-05	0	0	0	0.006049	0
24	0	0	0	0	3.29E-05	0	0.000296	0
25	0	0	9.86E-05	0	0	0	0.000197	0
26	0	0	9.86E-05	0	3.29E-05	0	6.57E-05	0
27	0	0	3.29E-05	0	0	0	0.000131	0
28	0	0	0	0	6.57E-05	0	3.29E-05	0
29	0	0	0	0	0	0	0	0
30	0	0	3.29E-05	0	0	0	3.29E-05	0
31	0	0	0	0	0	0	6.57E-05	0
32	0	0	3.29E-05	0	0	0	0.000263	0
33	0	0	3.29E-05	0	0	0	0	0
34	0	0	0	0	0	0	3.29E-05	0
35	0	0	0	0	0	0	6.57E-05	0
36	0	0	3.29E-05	0	0	0	0.000263	0
37	0	0	3.29E-05	0	0	0	0	0
38	0	0	0	0	0	0	3.29E-05	0
39	0	0	3.29E-05	0	0	0	0.00046	0
40	0	0	0	0	9.86E-05	0	0.000296	0
41	0	0	0	0	9.86E-05	0	0.000296	0
42	0	0	0	0	3.29E-05	0	3.29E-05	0
43	0	0	0	0	0	0	0.000164	0
44	0	0	0	0	0	0	6.57E-05	0
45	0	0	0	0	3.29E-05	0	0.00023	0
46	0	0	0	0	0	0	0	0
47	0	0	0.001282	0	3.29E-05	0	0.002235	0
48	0	0	0	0	0	0	0.0048	0
49	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0
51	0	0	3.29E-05	0	0	0	9.86E-05	0
52	0	0	3.29E-05	0	3.29E-05	0	0.000493	0
53	0	0	0	0	0	0	3.29E-05	0
54	0	0	3.29E-05	0	6.57E-05	0	0.000625	0
55	0	0	3.29E-05	0	6.57E-05	0	0.000625	0
56	0	0	3.29E-05	0	6.57E-05	0	0.000625	0
57	0	0	3.29E-05	0	6.57E-05	0	0.000625	0
58	0	0	3.29E-05	0	6.57E-05	0	0.000625	0
59								
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2	0	0	3.29E-05	0	6.57E-05	0	6.57E-05	0
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	3.29E-05	0
5	0	0	0	0	0	0	3.29E-05	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0.000394	0
9	0	0	0	0	0	0	0.000263	0
10	0	0	0	0	0	0	0.001677	0
11	0	0	0	0	0	0	0.001019	0
12	0	0	0	0	3.29E-05	0	9.86E-05	0
13	0	0	0	0	0	0	0.000953	0
14	0	0	0	0	0	0	0.042868	0
15	0	0	0	0	0	0	0.002433	0
16	0	0	0	0	0	0	0.006016	0
17	0	0	0.000362	0	3.29E-05	0	0.005391	0
18	0	0	0.00023	0	0	0	0.000427	0
19	0	0	0	0	0	0	0.000394	0
20	0	0	6.57E-05	0	3.29E-05	0	0.000296	0
21	0	0	0	0	0	0	0.001709	0
22	0	0	0	0	0	0	0.006279	0
23	0	0	0	0	0	0	0.006345	0
24	0	0	0	0	0	0	0.001151	0
25	0	0	0	0	0	0	0.001085	0
26	0	0	0	0	0	0	0.00023	0
27	0	0	0	0	0	0	0.000855	0
28	0	0	0	0	0	0	0.001677	0
29	0	0	3.29E-05	0	3.29E-05	0	0.005983	0
30	0	0	0.000329	0	0	0	0.00743	0
31	0	0	0.00046	0	6.57E-05	0	0.004635	0
32	0	0	0	0	0	0	0.002564	0
33	0	0	0	0	0	0	0.004898	0
34	0	0	0	0	0	0	0.004175	0
35	0	0	0	0	0	0	0.024557	0
36	0	0	0	0	0	0	0.001742	0
37	0	0	0	0	0	0	0.002827	0
38	0	0	0.002893	0	3.29E-05	0	0.00332	0
39	0	0	0	0	0	0	0.000197	0
40	0	0	0	0	0	0	0.001183	0
41	0	0	0	0	0	0	0.012755	0
42	0	0	0	0	0	0	0.001841	0
43	0	0	0	0	0	0	0.001249	0
44	0	0	0	0	3.29E-05	0	0.010388	0
45	0	0	3.29E-05	0	0	0	0.004833	0
46	0	0	0	0	0	0	0.004076	0
47	0	0	0	0	0	0	0.011473	0
48	0	0	0	0	0	0	9.86E-05	0
49	0	0	0	0	0	0	0.00286	0
50	0	0	0.000329	0	0	0		
51								
52								
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1									
2	0	0	0	0	0	0	0.001282	0	0
3	0	0	0	0	0	0	9.86E-05	0	0
4	0	0	0.000986	0	3.29E-05	0.00023	0.015319	0	0
5	0	0	3.29E-05	0	0	0	9.86E-05	0	0
6	0	0	0	0	0	0	9.86E-05	0	0
7	0	0	0	0	0	0	9.86E-05	0	0
8	0	0	0.000197	0	0	0	0.003386	0	0
9	0	0	0	0	0	0	0.001085	0	0
10	0	0	6.57E-05	0	3.29E-05	0	0.003024	0	0
11	0	0	6.57E-05	0	3.29E-05	0	0.004602	0	0
12	0	0	0	0	3.29E-05	0	0.00309	0	0
13	0	0	0	0	0	0	0.002992	0	0
14	0	0	0	0	0	0	0.002992	0	0
15	0	0	3.29E-05	0	0	0	0.000855	0	0
16	0	0	3.29E-05	0	0	0	0.000296	0	0
17	0	0	3.29E-05	0	0	0	0.000559	0	0
18	0	0	0	0	0	0	0.003879	0	0
19	0	0	0	0	0	0	0.003879	0	0
20	0	3.29E-05	0	0	0	0	0.00263	0	0
21	0	0	0	0	0	0	0.002531	0	0
22	0	0	0.000329	0	3.29E-05	0	0.001545	0	0
23	0	0	0	0	3.29E-05	0	0.000625	0	0
24	0	0	0	0	0	0	0.0024	0	0
25	0	0	0	0	6.57E-05	0	0.0024	0	0
26	0	0	0	0	0	0	0.001315	0	0
27	0	0	0.000822	0	9.86E-05	0	0.00092	0	0
28	0	0	3.29E-05	0	3.29E-05	0	9.86E-05	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0.00217	0	0
32	0	0	0	0	0	0	0.014037	0	0
33	0	0	0	0	3.29E-05	0	0.002104	0	0
34	0	0	0.000394	0	0	0	0.002498	0	0
35	0	0	3.29E-05	0	0	0	0	0	0
36	0	0	0	0	0	0	0.001249	0	0
37	0	0	0	0	0	0	0.001348	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0.000164	0	0	0	0.00023	0	0
41	0	0	0	0	0	0	0.00046	0	0
42	0	0	3.29E-05	0	0	0	0.000493	0	0
43	0	0	0	0	0	0	0.001512	0	0
44	0	0	3.29E-05	0	3.29E-05	0	0.000592	0	0
45	0	0	0	0	0	0	0.000131	0	0
46	0	0	3.29E-05	0	3.29E-05	0	0.001709	0	0
47	0	0	3.29E-05	0	0	0	9.86E-05	0	0
48	0	0	0	0	0	0	3.29E-05	0	0
49	0	0	0	0	0	0	0.000131	0	0
50	0	0	0	0	0	0	0.00023	0	0
51	0	0	0	0	0	0	0.00023	0	0
52	0	0	0	0	6.57E-05	0	0	0	0
53	0	0	0	0	0	0	0.000164	0	0
54	0	0	9.86E-05	0	0	0	0.003386	0	0
55	0	0	0.001052	3.29E-05	0	0	0.006443	0	0
56	0	0	0.001052	3.29E-05	0	0	0.006443	0	0
57	0	0	0.001052	3.29E-05	0	0	0.006443	0	0
58	0	0	0.001052	3.29E-05	0	0	0.006443	0	0
59	0	0	0.001052	3.29E-05	0	0	0.006443	0	0
60	0	0	0.001052	3.29E-05	0	0	0.006443	0	0

1								
2	0	0	0.000197	0	0	0	0.001644	0
3	0	0	0	0	0	0	0.008153	0
4	0	0	0	0	0.000197	0	0	0
5	0	0	0	0	0	0	9.86E-05	0
6	0	0	0.001315	0	0	0	0.003945	0
7	0	0	0	0	0	0	0.006016	0
8	0	0	0	0	0	0	0.003781	0
9	0	0	0	0	0	0	0.002827	0
10	0	0	0	0	0	0	0.006246	0
11	0	0	0	0	0	0	0.00355	0
12	0	0	0	0	0	0	0.006871	0
13	0	0	0	0	0	0	0.000427	0
14	0	0	0	0	0	0	0.014925	0
15	0	0	0	0	0	0	0.001216	0
16	0	0	0	0	0	0	3.29E-05	0
17	0	0	0	0	0	0	6.57E-05	0
18	0	0	0	0	0	0	9.86E-05	0
19	0	0	0	0	0	0	0.000164	0
20	0	0	3.29E-05	0	0	0	0.000559	0
21	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	3.29E-05	0
25	0	0	0	0	0	0	9.86E-05	0
26	0	0	9.86E-05	0	0	0	0.000657	0
27	0	0	0	0	0	0	0.00023	0
28	0	0	0	0	0	0	0.000131	0
29	0	0	0	0	0	0	0.000625	0
30	0	0	0	0	0	0	0.000131	0
31	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0
33	0	0	0.00023	0	3.29E-05	0	0.005819	0
34	0	0	3.29E-05	0	0	0	6.57E-05	0
35	0	0	0	0	0	0	0.000822	0
36	0	0	0	0	0	0	0.000329	0
37	0	3.29E-05	3.29E-05	0	0	0	0.001249	0
38	0	0	6.57E-05	0	0	0	0.000493	0
39	0	0	0	0	6.57E-05	0	9.86E-05	0
40	0	0	0	0	0.000197	0	0.001644	0
41	0	0	3.29E-05	0	0	0	0.001315	0
42	0	0	0	0	0	0	0.000493	0
43	0	0.001249	0.000526	0	0	0	0.005589	0
44	0	0	0	0	0	0	0.000723	0
45	0	0	0	0	0	0	3.29E-05	0
46	0	0	0	0	6.57E-05	0	0.000592	0
47	0	0	0	0	0	0	0.004241	0
48	0	0	0	0	0	0	0.000592	0
49	0	0	9.86E-05	0	0	0	0.001545	0
50	0	0	0	0	0	0	6.57E-05	0
51	0	0	3.29E-05	0	0	0	0.000164	0
52	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0
59								
60								

1									
2	0	0	3.29E-05	0	3.29E-05	0	0.002038	0	0
3	0	3.29E-05	3.29E-05	0	0	0	0.000789	0	0
4	0	0	0	0	0	0	3.29E-05	0	0
5	0	0	3.29E-05	0	0	0	0.001348	0	0
6	0	0	9.86E-05	0	0	0	0.000394	0	0
7	0	0	0	0	0	0	0.001874	0	0
8	0	0	0	0	0	0	0.015714	0	0
9	0	0	3.29E-05	0	0	0	0.017095	0	0
10	0	0	0.000164	0	0	0	0.046254	0	0
11	0	0	0	0	0	0	0.026299	0	0
12	0	0	3.29E-05	0	0	0	0.002301	0	0
13	0	0	0	0	0	0	0.0024	0	0
14	0	0	0	0	0	0	0.058911	0	0
15	0	0	0	0	0	0	0.006739	0	0
16	0	0	0.000263	3.29E-05	0	0	3.29E-05	0	0
17	0	0	0.000164	0	0	0	0.000625	0	0
18	0	0	0	0	0	0	0.002235	0	0
19	0	0	0	0	0	0	0.000362	0	0
20	0	0	0	0	0	0	3.29E-05	0	0
21	0	0	0	0	0	0	3.29E-05	0	0
22	0	0	0.000164	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0.000164	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	6.57E-05	0	0	0	0.001282	0	0
29	0	0	0.000164	0	0	0	0.000427	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0.000197	0	0
34	0	0	0.000131	0	0	0	0.000164	0	0
35	0	0	0	0	0	0	0.000197	0	0
36	0	0	0	0	0	0	0.000263	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0.001414	0	0
39	0	0	0	0	0	0	0.00023	0	0
40	0	0	0	0	0	0	3.29E-05	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0.001183	0	0
43	0	0	0	0	0	0	0.010618	0	0
44	0	0	0.000131	0	0	0	0.006542	0	0
45	0	3.29E-05	0.000197	0	0	0	0.001052	0	0
46	0	0	0	0	3.29E-05	0	0.003616	0	0
47	0	0	0.000723	0	3.29E-05	0	0.00046	0	0
48	0	0	3.29E-05	0	3.29E-05	0	6.57E-05	0	0
49	0	0	0	0	0	0	0.000953	0	0
50	0	0	3.29E-05	0	3.29E-05	0	0.003222	0	0
51	0	0	3.29E-05	0	0	0	0.000362	0	0
52	0	0	0	0	3.29E-05	0	0.001348	0	0
53	0	0	0	0	9.86E-05	0	0.001348	0	0
54	0	0	3.29E-05	0	0	0	0.00023	0	0
55	0	0	3.29E-05	0	0	0	0.00023	0	0
56	0	0	3.29E-05	0	0	0	0.00023	0	0
57	0	0	3.29E-05	0	0	0	0.00023	0	0
58	0	0	3.29E-05	0	0	0	0.00023	0	0
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2	0	0	0	0	0	0	0.000559	0	0
3	0	0	0	0	0	0	0.000164	0	0
4	0	0	0	0	0	0	0.002926	0	0
5	0	0	0	0	6.57E-05	0	0.000131	0	0
6	0	0	6.57E-05	0	0.000164	0	0.00046	0	0
7	0	0	6.57E-05	0	9.86E-05	0	0.000197	0	0
8	0	0	0	0	3.29E-05	0	6.57E-05	0	0
9	0	3.29E-05	0	0	0	0	0.00023	0	0
10	0	0	3.29E-05	0	0	0	0.000131	0	0
11	0	0	0	0	3.29E-05	0	9.86E-05	0	0
12	0	0	0	0	0	0	0.000131	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	3.29E-05	0	0
15	0	0	0	0	0	0	0.001512	0	0
16	0	0	0	0	3.29E-05	0	0	0	0
17	0	0	0	0	0	0	0.000723	0	0
18	0	0	0	0	3.29E-05	0	0.004175	0	0
19	0	0	0	0	0	0	0.008021	0	0
20	0	0	9.86E-05	0	0	0	0.001545	0	0
21	0	0	0.000329	0	6.57E-05	0	0.003156	0	0
22	0	0	3.29E-05	0	0	0	0.000362	0	0
23	0	0	0.000164	0	0	0	0.001085	0	0
24	0	0	0	0	0	0	0.001446	0	0
25	0	0	0	0	0	0	0.00023	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	3.29E-05	0	0
28	0	0	0	0	0	0	9.86E-05	0	9.86E-05
29	0	0	0	0	0	0	0.000263	0	0
30	0	0	0	0	0	0	0.000131	0	0
31	0	0	3.29E-05	0	0	0	0.000164	0	0
32	0	0	0	0	0	0	6.57E-05	0	0
33	0	0	0	0	0	0	0.006312	0	0
34	0	0	3.29E-05	0	0	0	0.031954	0	0
35	0	0	0	0	0	0	0.056839	0	0
36	0	0	0	0	0	0	0.086985	0	0
37	0	0	0	0	0	0	0.094053	0	0
38	0	0	0	0	0	0	0.004504	0	0
39	0	0	0	0	0	0	0.004076	0	0
40	0	0.000526	6.57E-05	0	3.29E-05	0	0.033762	0	0
41	0	0	3.29E-05	0	0	0	0.004044	0	0
42	0	0	0	0	0	0	0.001611	0	0
43	0	0	0.000131	0	6.57E-05	0	0.000657	0	0
44	0	0	0	0	0	0	0.002761	0	0
45	0	0	0	0	0	0	0.003912	0	0
46	0	0	0	0	0	0	0.000855	0	0
47	0	0	0	0	0	0	0.004208	0	0
48	0	0	0.000953	0	0	0	0.022519	0	0
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2	0	0	0	0	0	0	0.000756	0	0
3	0	3.29E-05	0	0	3.29E-05	0	0.000855	0	0
4	0	0	0.000329	0	0	0	0.005326	0	0
5	0	0	0.000362	0	0	0	0.006936	0	0
6	0	0	0.000131	0	0	0	0.001808	0	0
7	0	0	0	0	0	0	6.57E-05	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	3.29E-05	0	0	3.29E-05	0.000164	0	0
11	0	0	0	0	0	0	6.57E-05	0	0
12	0	0	0	0	0	0	0.000164	0	0
13	0	0	0	0	0	0	3.29E-05	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0.000131	0	0
16	0	0	0	0	0	0	0.000131	0	0
17	0	0	0	0	0	0	6.57E-05	0	0
18	0	0	0	0	0	0	0.000394	0	0
19	0	0	0	0	0	0	0.001578	0	0
20	0	0	6.57E-05	0	0	0	0.000559	0	0
21	0	0	0	0	3.29E-05	0	0.000427	0	0
22	0	0	0.000164	0	0	0	0.003287	0	0
23	0	0	3.29E-05	0	9.86E-05	0.000789	0.013314	0	0
24	0	0	9.86E-05	0	6.57E-05	0	0.002203	0	0
25	0	0	3.29E-05	0	0	0	0.002498	0	0
26	0	0	3.29E-05	0	0	0	0.001085	0	0
27	0	0	0.000296	0	0	0	0.003222	0	0
28	0	0	0.000625	0	3.29E-05	0	0.001381	0	0
29	0	0	0	0	0	0	0.004372	0	0
30	0	0	0	0	0	0	0.000526	0	0
31	0	0	6.57E-05	0	3.29E-05	0	0.00069	0	0
32	0	0	0	0	0	0	6.57E-05	0	0
33	0	0	0	0	0	0	0.000756	0	0
34	0	0	0	0	0	0	0.000657	0	0
35	0	0	0	0	3.29E-05	0	0.000296	0	0
36	0	0	0	0	0	0	0.000263	0	0
37	0	0	0	0	0	0	6.57E-05	0	0
38	0	0	9.86E-05	0	0	0	0.012426	0	0
39	0	0	0	0	0	0	9.86E-05	0	0
40	0	0	0	0	0	0	0.021204	0	0
41	0	0	3.29E-05	0	0	0	0.002498	0	0
42	0	0	0	0	0	0	0.001019	0	0
43	0	0	0.000855	0	3.29E-05	0	0.002137	0	0
44	0	0	0	0	0	0	0.00194	0	0
45	0	0	6.57E-05	0	0	0	0.009632	0	0
46	0	0	0.00194	0	0	0	0.017949	0	0
47	0	0	0.000888	0	0	0	0.012196	0	0
48	0	0	0	0	0	0	0.003583	0	0
49	0	0	0	0	0	0	0.000723	0	0
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2	0	0	0	0	0	0.000329	0	0
3	0	0	3.29E-05	0	3.29E-05	0.001019	0	0
4	0	0	0	0	0	0.001118	0	0
5	0	0	3.29E-05	0	9.86E-05	0.000855	0	0
6	0	0	0	0	0	0.000657	0	0
7	0	0	0	0	0	3.29E-05	0	0
8	0	0	0	0	0	0.052829	0	0
9	0	0	0	0	0	0.005523	0	0
10	0	0	0	0	0	0.053421	0	0
11	0	0	0	0	0	0.000394	0	0
12	0	0	0	0	0	0.000296	0	0
13	0	0	0	0	0	0.000296	0	0
14	0	0	0	0	0	0.00023	0	0
15	0	0	3.29E-05	0	0	0.002203	0	0
16	0	0	3.29E-05	0	0	0.000164	0	0
17	0	0	0	0	3.29E-05	0.00194	0	0
18	0	0	0	0	0	0.000855	0	0
19	0	0	0	0	9.86E-05	3.29E-05	0	0
20	0	0	0	0	0	3.29E-05	0	0
21	0	0	0	0	0	0.000197	0	0
22	0	0	0	0	0	0	0	0
23	0	0	0.00023	0	3.29E-05	0.000296	0	0
24	0	0	0	0	0	9.86E-05	0	0
25	0	0	0	0	3.29E-05	9.86E-05	0	0
26	0	0	3.29E-05	0	3.29E-05	0.001775	0	0
27	0	0	0	0	0	0.000789	0	0
28	0	0	0	0	0	0	0	0
29	0	0	0	0	0	6.57E-05	0	0
30	0	0	0	0	0	6.57E-05	0	0
31	0	0	0	0	0	6.57E-05	0	0
32	0	0	9.86E-05	0	0	0.003353	0	0
33	0	0	0	0	0	0.000756	0	0
34	0	0	0	0	0	0.067261	0	0
35	0	0	0	0	0	0.092409	0	0
36	0	0	0.000427	0	0	0.001512	0	0
37	0	0	0	0	0	0.000526	0	0
38	0	0	0.000559	0	0	0.012328	0	0
39	0	0	0	0	0	0.001381	0	0
40	0	0	0	0	0	0.000362	0	0
41	0	0	0	0	0	0.000197	0	0
42	0	0	0	0	0	9.86E-05	0	0
43	0	0	0	0	0	0.000559	0	0
44	0	0	9.86E-05	0	0	0.003616	0	0
45	0	0	0	0	0	9.86E-05	0	0
46	0	0	0	0	0	0.000559	0	0
47	0	0	9.86E-05	0	0	0.003616	0	0
48	0	0	0	0	0	9.86E-05	0	0
49	0	0	0	0	0	9.86E-05	0	0
50	0	0	0	0	0	9.86E-05	0	0
51	0	0	0	0	0	9.86E-05	0	0
52	0	0	0	0	0	9.86E-05	0	0
53	0	0	0	0	0	9.86E-05	0	0
54	0	0	0	0	0	9.86E-05	0	0
55	0	0	0	0	0	9.86E-05	0	0
56	0	0	0	0	0	9.86E-05	0	0
57	0	0	0	0	0	9.86E-05	0	0
58	0	0	0	0	0	9.86E-05	0	0
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2	0	0	0	0	0	0	0.00286	0	0
3	0	0	0	0	0	0	0.001742	0	0
4	0	0	3.29E-05	0	0	0	0.001578	0	0
5	0	0	0	0	0	0	0.003287	0	0
6	0	0	0.000263	0	0	0	0.004339	0	0
7	0	0	3.29E-05	0	0	0	0.000131	0	0
8	0	0	0.000329	0	0	0	0.024261	0	0
9	0	0	0	0	0	0	0.058976	0	0
10	0	0	3.29E-05	0	0	0	0.020283	0	0
11	0	0	0	0	0	0	0.004142	0	0
12	0	0	0	0	6.57E-05	0	0.023143	0	0
13	0	0	0	0	6.57E-05	0	0.214471	0	0
14	0	0	0	0	0	0	0.209704	3.29E-05	0
15	0	0	0	0	6.57E-05	0	0.091489	0	0
16	0	0	0	0	0	9.86E-05	0.181235	0	9.86E-05
17	0	0	0	0	0	0	0.150202	0	0
18	0	0	3.29E-05	0	0	0	0.012229	0	0
19	0	0	0.00023	0	0	0	0.015122	0	0
20	0	0	0	0	0	0	0.05158	0	0
21	0	0	0	0	0	0	0.012131	0	0
22	0	0	0	0	0	0	0.014925	0	0
23	0	0	0	0	0	0	0.012952	0	0
24	0	0	0	0	0	0	0.006838	0	0
25	0	0	0	0	0	0	0.007364	0	0
26	0	0	0	0	0	0	0.000526	0	0
27	0	0	0	0	0	0	0.001085	0	0
28	0	0	0	0	3.29E-05	0	0.008547	0	0
29	0	0	0.00046	0	3.29E-05	0	0.002597	0	0
30	0	0	0.000329	0	0	0	0.002597	0	0
31	0	0	0	0	3.29E-05	0	0.000131	0	0
32	0	0	3.29E-05	0	3.29E-05	0	0.002827	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	6.57E-05	0	0	0	0.001775	0	0
35	0	0	0	0	0	0	0.000131	0	0
36	0	0	6.57E-05	0	0	0	0.007101	0	0
37	0	0	0	0	0	0	6.57E-05	0	0
38	0	0	0	0	0	0	0.000427	0	0
39	0	0	0	0	0	0	0.010191	0	0
40	0	0	0	0	0	0	0.001381	0	0
41	0	0	0.000362	0	3.29E-05	0	0.002498	0	0
42	0	0	0	0	0	0	0.00069	0	0
43	0	0	0	0	0	0	0.002597	0	0
44	0	0	0	0	0	0	0.003846	0	0
45	0	0	0	0	3.29E-05	0	0.002038	0	0
46	0	0	0	0	0	0	0.003189	0	0
47	0	0	0	0	0	0	0.000362	0	0
48	0	0	0	0	0	0	0.000394	0	0
49	0	0	0	0	0	0	0.000394	0	0
50	0	0	0	0	0	0	0.000394	0	0
51	0	0	0	0	0	0	0.000394	0	0
52	0	0	0	0	0	0	0.000394	0	0
53	0	0	0	0	0	0	0.000394	0	0
54	0	0	0	0	0	0	0.000394	0	0
55	0	0	0	0	0	0	0.000394	0	0
56	0	0	0	0	0	0	0.000394	0	0
57	0	0	0	0	0	0	0.000394	0	0
58	0	0	0	0	0	0	0.000394	0	0
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2	0	0	0	0	0	0.000394	0	0
3	0	0	0.000362	0	3.29E-05	0.004011	0	0
4	0	0	3.29E-05	0	0	0.001315	0	0
5	0	0	0	0	0	0.000362	0	0
6	0	0	3.29E-05	0	0	0.008876	0	0
7	0	0	0	0	0	0.006608	0	0
8	0	0	0	0	3.29E-05	0.002104	0	0
9	0	0	0	0	0	0.001874	0	0
10	0	0	0	0	0	0.003189	0	0
11	0	0	0	0	0	0.008219	0	0
12	0	0	0	0	0	0.009632	0	0
13	0	0	0	0	6.57E-05	0.004734	0	0
14	0	0	0	0	0	0.026365	0	0
15	0	0	0.000164	0	0	0.002663	0	0
16	0	0	0	0	0	0.000756	0	0
17	0	0	3.29E-05	0	0	3.29E-05	0	0
18	0	0	0	0	0	6.57E-05	0	0
19	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0
24	0	0	6.57E-05	0	0	6.57E-05	0	0
25	0	0	0	0	0	0.000164	0	0
26	0	0	0	0	0	6.57E-05	0	0
27	0	0	6.57E-05	0	0	0.000131	0	0
28	0	0	0	0	0	9.86E-05	0	0
29	0	0	0.000197	0	0	9.86E-05	0	0
30	0	0	0	0	0	0.280976	0	0
31	0	0	0	0	0	0.035438	0	0
32	0	0	3.29E-05	0	0	0.001315	0	0
33	0	0	0	0	0	0.009172	0	0
34	0	0	0	0	0	0.046353	0	0
35	0	0	0	0	0	0.008251	0	0
36	0	0	0	0	0	0.003156	0	0
37	0	0	0	0	0	0.002893	0	0
38	0	0	0	0	0	0.002893	0	0
39	0	0	6.57E-05	0	0	0.089549	0	0
40	0	0	0	0	0	0.002071	0	0
41	0	0	0	0	3.29E-05	0.002531	0	0
42	0	0	3.29E-05	0	3.29E-05	0.000822	0	0
43	0	0	0	0	3.29E-05	0.000164	0	0
44	0	0	0.000164	0	0	0.001512	0	0
45	0	0	0	0	0	0.001874	0	0
46	0	0	0	0	0	0.00046	0	0
47	0	0	0	0	0	0.004307	0	0
48	0	0	0	0	0	0.000756	0	0
49	0	0	3.29E-05	0	0	0.021894	0	0
50	0	0	9.86E-05	0	0	0.001841	0	0
51	0	0	0	0	0	0.001808	0	0
52	0	0	0	0	0	0.005852	0	0
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0	0	0	0	0	0	0.010848	0	0
0	0	0	0	0	0	0.004602	0	0
0	0	0	0	0	0	0.008021	0	0
0	0	9.86E-05	0	9.86E-05	0	0.004011	0	0
0	0	0	0	0	0	0.006147	0	0
0	0	0	0	0	9.86E-05	0.00194	0	0
0	0	3.29E-05	0	0	6.57E-05	0.002893	0	0
0	0	0	0	0	0.000362	0.003583	0	0
0	0	3.29E-05	0	3.29E-05	3.29E-05	0.001183	0	0
0	0	0	0	0	0.000164	0.001907	0	0
0	0	0	0	0	0	0.000329	0	0
0	0	0	0	6.57E-05	3.29E-05	3.29E-05	0	0
0	0	0	0	3.29E-05	0	0.005358	0	0
0	0	0.001019	0	0	0	0.007923	0	0
0	0	0	0	0	0	3.29E-05	0	0
0	0	0	0	0	0	0.000131	0	0
0	0	0	0	0	0	9.86E-05	0	0
0	0	0	0	0	0	6.57E-05	0	0
0	0	0	0	0	0	3.29E-05	0	0
0	0	0	0	0	0	0.000197	0	0
0	0	0	0	0	0	0.000131	0	0
0	0	3.29E-05	0	0	0	0.000362	0	0
0	0	0	0	0	0	0.00023	0	0

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0	0	0	0.13005	0.00023	0	0.000427	0
0	0	0	0.081331	0.000855	0	0.000855	0 3.29E-05
0	0	0	0.09333	9.86E-05	0	0	0
0	0	0	0.061869	0.000296	0	0.002005	0
0	0	0	0.127486	3.29E-05	0	0.000263	0
0	0	0	0.919261	0	0	0	0
0	0	0	0.268484	0.003452	0	0.001052	0
0	0	0	0.01933	0.000263	0	0.000362	0
0	0	0	0.160821	0.003813	0	0.012065	0
0	0	0	0.560078	6.57E-05	0	0.000197	0 3.29E-05
0	0	3.29E-05	0.918045	0.000592	0	0.00069	0 3.29E-05
0	0	0	0.006246	0.000263	0	0.000723	0 0.000131
0	0	0	0.035274	0.020744	0	0.029324	0 0.000131
0	0	0	0.036523	0.004471	0	0.005687	0 0.001446
0	0	0	0.823531	0.002794	0	0.001479	0 0.00069
0	0	0	0.073737	9.86E-05	0	0.002696	0
0	0	0	0.067458	0.003748	0	0.039679	0
0	0	0	0.181203	0.000131	0	0.000296	0
0	0	0	0.015615	0.000164	0	0.000131	0 3.29E-05
0	0	0	0.009534	0.000329	0	0.001545	0 9.86E-05
0	0	0	0.076268	0.003189	0	0.002926	0 0.00069
0	0.000329	0	0.322003	0.000657	0	0.000657	0
0	0	0	0.068214	0.001381	0	0.001414	0 6.57E-05
0	6.57E-05	0	0.125251	0	0	0	0
0	0.000164	0	0.084224	0	0	0	0
0	0	0	0.045991	3.29E-05	0	0	0
0	6.57E-05	0	0.125974	0.000493	0	0.000362	0
0	0	0	0.264834	0	0	3.29E-05	0
0	0.000131	0	0.206253	0.000592	0	0.000657	0 0.000131
0	0	0	0.304251	0.000329	0	0.001183	0
0	3.29E-05	0	0.238272	6.57E-05	0	9.86E-05	0
0	0	3.29E-05	0.248726	0.001315	0	0.001085	0
0	0	3.29E-05	0.143594	0.000723	0	0.004734	0 0.000263
0	0	0	0.082711	3.29E-05	0	0.000131	0
0	0	0	0.213255	0.00046	0	0.000329	0 0.000362
0	3.29E-05	0	0.067622	0	0	9.86E-05	0
0	0	0	0.124034	0.001118	0	0.001512	0 0.000131
0	0	0	0.155166	0	0	0.002729	0
0	3.29E-05	0	0.089747	0	0	0	0
0	0	0.000197	0.236102	0	0	0	0
0	0	0	0.094776	3.29E-05	0	0.000625	0
0	0	0	0.072981	0.000756	0	0.000329	0
0	0	0	0.159078	0.001775	0	0.006575	0
0	0	0	0.01887	6.57E-05	0	0	0

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2	0	0	0	0.178244	0	0	0.000164	0	0
3	0	3.29E-05	0	0.108583	0.000197	0	0.00069	0	0
4	0	0	0	0.563529	0.000394	0	0.000559	0	0
5	0	0	0	0.042704	0.000296	0	0.001512	0	0
6	0	0	0	0.093856	0	0	0	0	0
7	0	0	0	0.013248	0	0	0	0	0
8	0	0	0	0.007134	0	0	0.000296	0	0
9	0	9.86E-05	0	0.197475	3.29E-05	0	0.000131	0	0
10	0	0	0	0.142181	3.29E-05	0	0	0	0
11	0	0	0	0.078175	0	0	0	0	0
12	0	3.29E-05	0	0.283573	0.020513	0	0.009764	0	0.000789
13	0	0	0	0.267497	0	0	0.001019	0	0
14	0	0	0	0.175252	0.000526	0	0.001085	0	0
15	0	0	0	0.183142	0.00092	0	0.001249	0	0
16	0	0.00023	0	0.246096	0	0	0	0	0
17	0	0	0.001348	0.157697	0	0	0.002203	0	0
18	0	0	0	0.064894	0	0	3.29E-05	0	0
19	0	0	3.29E-05	0.341793	3.29E-05	0	0.00023	0	0
20	0	3.29E-05	0.000164	0.220257	0	0	3.29E-05	0	0
21	0	0	0	0.113449	0.000394	0	0.000953	0	0
22	0	0	0	0.322825	0.003912	0	0.006805	0	0.001808
23	0	0	0	0.803182	0	0	3.29E-05	0	0
24	0	0	0	0.33627	3.29E-05	0	3.29E-05	0	0
25	0	0	0	0.038167	3.29E-05	0	9.86E-05	0	0
26	0	0	0	0.082153	0.001183	0	0.001775	0	0.00023
27	0	0	0	0.026069	0	0	9.86E-05	0	0
28	0	0	0	0.159308	0.001118	0	0.035274	0	9.86E-05
29	0	0	0	0.005983	0.000329	0	0.015549	0	0
30	0	0	0.001709	0.072849	0.000953	0	0.000789	0	0.000131
31	0	0	0	0.035307	0	0	0	0	0
32	0	0	0	0.25895	9.86E-05	0	0.000131	0	0
33	0	0.00023	0.000362	0.193991	0.000329	0	0.000296	0	0
34	0	3.29E-05	0	0.179559	0.001775	0	0.001118	0	9.86E-05
35	0	9.86E-05	0.000131	0.133568	0	0	0	0	0
36	0	0	0	0.153753	0.00046	0	0.000592	0	0
37	0	0	0	0.128078	0.000164	0	0.001151	0	0
38	0	0	0.004931	0.171899	0.00092	0	0.003222	0	0
39	0	0	0	0.185213	0.072948	0	0.064203	0	0.007824
40	0	0	0	0.128012	0.000493	0	0.004372	0	0
41	0	0	0	0.138532	0.001841	0	0.003912	0	9.86E-05
42	0	0.000329	0	0.119432	0.002729	0	0.001742	0	0.000131
43	0	0.000131	0	0.146224	0.00046	0	0.000362	0	0.000131
44	0	0	0	0.09905	0.000197	0	0.001381	0	9.86E-05
45	0	0	0.000526	0.354976	0.047043	0	0.038529	0	0.006575
46	0	0	0	0.592755	0	0	0.027088	0	0
47	0	0	0	0.199579	0.000888	0	0.000625	0	0.000329
48	0	6.57E-05	0	0.417469	0	0	0.00023	0	0

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2	0	0	0	0.30573	3.29E-05	0	0.000657	0	0
3	0	6.57E-05	0	0.187613	0	0	0.000625	0	0
4	0	6.57E-05	0	0.154246	0	0	0.00092	0	0
5	0	0	0	0.146586	0.000362	0	0.00092	0	0
6	0	0	0	0.083632	0	0	0.001249	0	0
7	0	0	0	0.240705	0.000164	0	0.000526	0	3.29E-05
8	0	0	0	0.084783	0	0	6.57E-05	0	0
9	0	0	0	0.17831	0	0	0	0	0
10	0	0	0	0.295375	3.29E-05	0	0	0	0
11	0	0	0	0.302278	3.29E-05	0	0.000296	0	0
12	0	0	0	0.142871	0.00023	0	0.000362	0	6.57E-05
13	0	0	0	0.083073	0	0	0.000362	0	0
14	0	0	0	0.339139	0.016574	0	0.006953	0	0.00316
15	0	0	0	0.173181	0.001578	0	0.002071	0	0
16	0	0	0	0.048785	0.00069	0	0.000592	0	0.000592
17	0	0	0	0.012262	0.001808	0	0.003123	0	0.000493
18	0	0	0	0.033039	0	0	0.01098	0	0.000296
19	0	0	0	0.036326	6.57E-05	0	0.000723	0	0
20	0	0	0	0.003715	3.29E-05	0	0	0	0
21	0	0	0	0.024656	0.00092	0	0.005293	0	0
22	0	0	0	0.10671	0	0	0.006739	0	3.29E-05
23	0	0	0	0.153588	0.000855	0	0.000986	0	0
24	0	0	0	0.738091	0.000197	0	0.000164	0	0.000131
25	0	0	0	0.101548	0.000131	0	3.29E-05	0	0
26	0	0	0	0.502285	9.86E-05	0	0.00023	0	0.000131
27	0	0.00023	0	0.200237	0	0	6.57E-05	0	0
28	0	0	0	0.028239	0	0	0.000526	0	0
29	0	0	0	0.061771	0	0	0	0	0
30	0	0	0	0.004635	0	0	9.86E-05	0	0
31	0	0	0	0.205168	0.00023	0	0.00046	0	0
32	0	0	0	0.149676	0	0	6.57E-05	0	0
33	0	3.29E-05	0	0.188895	0	0	0.000855	0	0
34	0	0.000197	0	0.44538	0.000263	0	0.000625	0	6.57E-05
35	0	0	0	0.170814	0.000197	0	0.000263	0	0.000131
36	0	0	0.000131	0.208587	0.000296	0	0.000526	0	0
37	0	0	0	0.419573	0	0	3.29E-05	0	0
38	0	0	0	0.06828	0.00023	0	0.000164	0	0
39	0	0	0	0.028995	0	0	0.000131	0	0
40	0	0	0	0.093264	9.86E-05	0	0.000164	0	0
41	0	9.86E-05	0	0.117788	0	0	0.000625	0	0
42	0	0	0	0.13988	0.000657	0	0.006312	0	0
43	0	0	0	0.084224	0.00457	0	0.005424	0	0.000362
44	0	0	3.29E-05	0.036359	0	0	3.29E-05	0	0
45	0	0	0	0.10763	0	0	3.29E-05	0	3.29E-05
46	0	0	0	0.174661	0.000855	0	0.000394	0	0
47	0	0	0	0.15944	6.57E-05	0	0.000263	0	0
48	0	0	6.57E-05	0.378744	0.00023	0	0.00286	0	0
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2	0	0	0	0.108649	0	0	0.001381	0	0
3	0	0	0	0.435813	0	0	0	0	0
4	0	3.29E-05	0	0.427562	3.29E-05	0	9.86E-05	0	3.29E-05
5	0	9.86E-05	0	0.646865	0	0	0	0	0
6	0	0	0	0.098787	0	0	0.00023	0	0
7	0	0	0	0.07114	0.00023	0	0.000263	0	3.29E-05
8	0	0	0	0.098951	0.000131	0	0.000131	0	0
9	0	0	0	0.074197	0.00092	0	0.001019	0	3.29E-05
10	0	0	9.86E-05	0.111739	6.57E-05	0	0.00023	0	3.29E-05
11	0	0	0	0.15773	0	0	0	0	3.29E-05
12	0	0	0	0.064795	3.29E-05	0	0	0	0
13	0	0	0	0.101417	0.047207	0	0.043295	0	0.005852
14	0	0	0	0.289589	0	0	0	0	0.000197
15	0	6.57E-05	6.57E-05	0.222624	0.001874	0	0.002761	0	0.000559
16	0	0	0	0.231369	0.006115	0	0.004602	0	0.000164
17	0	0	0	0.082547	0	0	0.000197	0	3.29E-05
18	0	0	0	0.300733	3.29E-05	0	0	0	0
19	0	0	0	0.066636	3.29E-05	0	0.000427	0	0
20	0	0	0	0.137743	0.000329	0	0.002038	0	0
21	0	0	0	0.228541	0.000263	0	0.006049	0	0
22	0	0	0	0.210592	0.001742	0	0.016766	0	0.000625
23	0	0	0	0.319044	0.000427	0	0.000263	0	0
24	0	0.001545	0	0.494461	0.001282	0	0.001052	0	0.000493
25	0	0	0	0.098655	9.86E-05	0	0.001183	0	0
26	0	0	0	0.077024	0.001085	0	0.001085	0	3.29E-05
27	0	0	0	0.78497	0.003057	0	0.005391	0	0.000329
28	0	9.86E-05	0	0.635294	0.004833	0	0.002367	0	0.000263
29	0	0	0	0.119761	0.005687	0	0.00572	0	0.001841
30	0	6.57E-05	0	0.144646	0.009172	0	0.013478	0	0.000131
31	0	0	0.001808	0.238732	0.002137	0	0.000131	0	0.000625
32	0	0	0	0.219632	0.001446	0	0.002992	0	0.000197
33	0	0	0	0.175252	0.019166	0	0.027976	0	0
34	0	0	0	0.163779	0.021664	0	0.021171	0	0.005917
35	0	0	0.000197	0.117459	0.002071	0	0.003419	0	3.29E-05
36	0	0	0	0.155791	0.000789	0	0.001644	0	0
37	0	0	0	0.138137	0.005654	0	0.007824	0	6.57E-05
38	0	0	0	0.198363	0	0	0.000263	0	0
39	0	0	0	0.156251	0.001183	0	0.003649	0	0
40	0	0	3.29E-05	0.107499	0.000427	0	0.000197	0	0
41	0	3.29E-05	0	0.081298	0	0	3.29E-05	0	0
42	0	6.57E-05	0.000197	0.073342	9.86E-05	0	9.86E-05	0	0
43	0	0	0	0.070581	0.000592	0	0.000723	0	3.29E-05
44	0	0	0	0.090404	0	0	0	0	0
45	0	0	0	0.045991	0	0	3.29E-05	0	0
46	0	0	0	0.376705	9.86E-05	0	9.86E-05	0	0
47	0	0	0	0.130938	0.000131	0	9.86E-05	0	3.29E-05
48	0	0	0	0.019823	0.00217	0	0.002761	0	0.000362
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2	0	0	0	0.018212	6.57E-05	0	0	0	0
3	0	0	0	0.012558	6.57E-05	0	0	0	0
4	0	0	0.000131	0.308754	0.007068	0	0.009566	0	0.001085
5	0	0	0	0.008646	0	0	0.000131	0	0
6	0	0	0	0.020185	0	0	0	0	0
7	0	0	0	0.18209	0.001841	0	0.002038	0	6.57E-05
8	0	3.29E-05	0	0.105954	0.000329	0	0.000263	0	0
9	0	0	0	0.31053	0.000263	0	0.000164	0	0
10	0	0	0	0.148131	0.000131	0	0	0	0
11	0	0	0	0.148131	0.000131	0	0	0	0
12	0	3.29E-05	0	0.378941	0	0	0.000362	0	0
13	0	0	0	0.185575	0.001085	0	0.002663	0	0.000493
14	0	0	0	0.062823	0.00069	0	0.000394	0	0.000131
15	0	0	0	0.045169	0.000131	0	3.29E-05	0	0
16	0	0	0	0.089911	0.000263	0	0.000888	0	0
17	0	3.29E-05	0	0.193037	0.001019	0	0.001249	0	0.00023
18	0	6.57E-05	0	0.124955	0.003024	0	0.004011	0	0.000822
19	0	0.000131	0	0.24442	0.002367	0	0.003649	0	0.000296
20	0	0	0	0.068378	0.002992	0	0.002498	0	0.000164
21	0	0	0	0.250962	9.86E-05	0	0.001446	0	0
22	0	0	0	0.117262	0.004438	0	0.00618	0	0.000394
23	0	0	0	0.179197	0.00046	0	0.002794	0	0
24	0	0	0.000164	0.214077	0.00263	0	0.002827	0	0.00046
25	0	3.29E-05	0	0.299451	9.86E-05	0	9.86E-05	0	0
26	0	0	0	0.186364	0	0	0	0	0
27	0	0	0	0.299977	0.001151	0	0.001644	0	6.57E-05
28	0	0	0.000131	0.23607	0.018936	0	0.012361	0	0.00309
29	0	0	0	0.111279	0.00023	0	0.002071	0	0
30	0	0	0	0.111444	0.000592	0	0.000394	0	0.000362
31	0	0	3.29E-05	0.172129	0	0	9.86E-05	0	0
32	0	0	0	0.506723	0.001118	0	0.000822	0	0.00023
33	0	0	0.002466	0.175877	0.000855	0	0.001183	0	0
34	0	0	0	0.009139	3.29E-05	0	3.29E-05	0	0
35	0	0	0	0.006279	0.000197	0	0.000855	0	3.29E-05
36	0	0	0	0.02459	0.000329	0	0.000986	0	6.57E-05
37	0	0	0	0.090404	0.001414	0	0.002104	0	0.000164
38	0	0	0	0.020776	0.000986	0	0.001479	0	0.00046
39	0	0	0.11529	0.104211	0.003024	0	0.001775	0	0
40	0	6.57E-05	0	0.175482	0	0	0.000362	0	9.86E-05
41	0	0	3.29E-05	0.069792	0.000986	0	0.00092	0	6.57E-05
42	0	0	0	0.069233	0	0	0.00023	0	0
43	0	0	0	0.1265	0.000263	0	0.00217	0	0
44	0	0	0	0.024064	0.000526	0	0.003189	0	0
45	0	0	0	0.161116	0.000164	0	0.000362	0	0
46	0	3.29E-05	0	0.124725	6.57E-05	0	0.000986	0	0
47	0	6.57E-05	0	0.104737	0	0	0.000164	0	0
48	0	0	0	0.095302	0.001677	0	0.028469	0	0.000427
49	0	0	6.57E-05	0.334133	0.012295	0	0.008449	0	0.00069
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2	0	0	0	0.13462	0.002959	0	0.002137	0 0.000493
3	0	0	0.001972	0.333772	0.000493	0	0.003682	0 0
4	0	0.000131	0	0.300536	0	0	0.004011	0 0
5	0	0	0	0.189191	3.29E-05	0	0.000197	0 0
6	0	0	0.003024	0.089418	0.003255	0	0.010191	0 0
7	0	0	0	0.072389	0.007627	0	0.005589	0 0.00092
8	0	0	0	0.210329	0	0	0.002531	0 9.86E-05
9	0	0	0	0.07206	0.002893	0	0.003813	0 0.000855
10	0	0	6.57E-05	0.177981	0	0	0	0 0
11	0	0	0	0.13291	0.00092	0	0.00092	0 3.29E-05
12	0	0	3.29E-05	0.045958	0.003583	0	0.001677	0 0
13	0	0	0	0.089122	0.002334	0	0.00549	0 0
14	0	0	0	0.042342	0.015122	0	0.011144	0 0.001972
15	0	0	0	0.028568	0.002466	0	0.003518	0 0
16	0	0	0	0.221835	0.000394	0	0.001709	0 0
17	0	0.000296	0	0.189947	0.00023	0	0.000263	0 0
18	0	0	0	0.456195	0	0	0	0 0
19	0	0	0	0.650876	0.000164	0	0.000164	0 0
20	0	0	0	0.436306	3.29E-05	0	9.86E-05	0 0
21	0	6.57E-05	0	0.268582	0	0	0	0 0
22	0	0	0	0.216937	0	0	0	0 0
23	0	3.29E-05	0	0.559058	0	0	3.29E-05	0 0
24	0	0	0	0.776225	0.000329	0	0.00046	0 0.000164
25	0	0	0.000131	0.099477	0.00069	0	0.001183	0 0
26	0	0	0	0.006805	0.000131	0	0.000394	0 9.86E-05
27	0	0	0	0.004076	0.000789	0	0.001151	0 0.000197
28	0	0	0	0.001709	0.000197	0	6.57E-05	0 3.29E-05
29	0	0	0	0.001348	0	0	0	0 0
30	0	0	0	0.058943	0.001085	0	0.001315	0 0.000164
31	0	0	0	0.001183	0	0	3.29E-05	0 0
32	0	0	3.29E-05	0.00457	0.000296	0	0.000263	0 9.86E-05
33	0	0	0	0.000164	6.57E-05	0	0.00023	0 0
34	0	0.000164	0	0.161741	0.001118	0	0.001446	0 3.29E-05
35	0	0	0	0.170387	6.57E-05	0	0.00023	0 0
36	0	0	0	0.183734	0.000296	0	0.000822	0 0.000296
37	0	0	0	0.183569	0.002005	0	0.001414	0 0.00046
38	0	0	0	0.112956	0.003879	0	0.003583	0 0.000723
39	0	0	0	0.111049	0.000888	0	0.00046	0 0
40	0	0	0	0.176206	0.000789	0	0.003781	0 3.29E-05
41	0	0	0	0.11003	0.000723	0	0.001545	0 0.000131
42	0	0	0	0.25987	0	0	0	0 0
43	0	0	0	0.107531	0.000131	0	0.001085	0 0.000131
44	0	0	0	0.175745	0	0	0.001611	0 0
45	0	0	0	0.042046	9.86E-05	0	0.000953	0 0.000263
46	0	0	0	0.040863	0.000559	0	0.002367	0 9.86E-05
47	0	0	0	0.073309	0	0	0.000526	0 0
48	0	0	0	0.046616	0	0	0.00046	0 0.000164
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2	0	6.57E-05	0	0.228443	0.001381	0	0.002466	0
3	0	0	0	0.095565	0.000197	0	0.001151	0
4	0	0	0	0.040337	0.000822	0	0.000394	0
5	0	0	0.005194	0.133535	3.29E-05	0	0.004372	0
6	0	0	0	0.022979	0.000131	0	0.000559	0
7	0	0	0	0.161149	0.001315	0	0.001972	0
8	0	0	0	0.053223	0.001611	0	0.001808	0
9	0	0	0	0.107367	0.000756	0	0.000888	0
10	0	0	0	0.100792	0.002301	0	0.002761	0
11	0	0	0	0.100792	0.002301	0	0.002761	0
12	0	0	3.29E-05	0.164864	0	0	0.00023	0
13	0	0	0	0.028929	0.000362	0	0.000657	0
14	0	0	0	0.026727	0.000296	0	0.000362	0
15	0	6.57E-05	0	0.026727	0.000296	0	0.000362	0
16	0	3.29E-05	0	0.271344	9.86E-05	0	0.000526	0
17	0	6.57E-05	0	0.133371	0	0	0.000362	0
18	0	0	0	0.0239	6.57E-05	0	0.00046	0
19	0	0	0	0.052007	0.000559	0	0.001151	0
20	0	0	0	0.006706	0.002005	0	0.005095	0
21	0	0	0	0.103882	6.57E-05	0	0.000197	0
22	0	0	0	0.096814	0	0	0	0
23	0	0	0	0.029455	0	0	3.29E-05	0
24	0	0	0	0.007956	6.57E-05	0	0.000197	0
25	0	0	0	0.018475	0	0	0	0
26	0	0	0	0.039613	0.000756	0	0.000625	0
27	0	0	0	0.027812	0.000362	0	0.000526	0
28	0	0	0	0.000625	0	0	0.000329	0
29	0	0	0	0.001841	0.000131	0	0.000164	0
30	0	0	0	0.002203	0	0	0.00023	0
31	0	0	0	0.015977	0	0	0.00023	0
32	0	0	0	0.024623	6.57E-05	0	3.29E-05	0
33	0	0	0	0.003386	0.000362	0	0.00023	0
34	0	0	0	0.00263	6.57E-05	0	0	0
35	0	0	0	0.02551	0.003123	0	0.001742	0
36	0	0	0	0.079523	0	0	6.57E-05	0
37	0	0	0	0.015089	0	0	0.000888	0
38	0	0	0	0.007397	3.29E-05	0	0.000362	0
39	0	0	0	0.002104	0.000855	0	0.000493	0
40	0	0	0	0.263487	0.015024	0	0.009303	0
41	0	0	0	0.007627	0.004438	0	0.007956	0
42	0	0	0	0.337486	0.000329	0	0.000953	0
43	0	6.57E-05	0	0.142773	0.007462	0	0.005424	0
44	0	6.57E-05	0	0.378185	0	0	0	0
45	0	9.86E-05	0	0.184753	0	0	0	0
46	0	0	3.29E-05	0.49548	0	0	3.29E-05	0
47	0	0	3.29E-05	0.450475	0.002104	0	0.009829	0
48	0	0	0	0.138565	0.000263	0	0.000592	0
49	0	0	3.29E-05	0.125481	0.000493	0	0.001611	0
50	0	0	0	0.357408	0.000263	0	0.000953	0
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2	0	0	0.000657	0.124363	0.000263	0	9.86E-05	0	0
3	0	0	0	0.139814	0.000131	0	0.001808	0	0
4	0	0	0	0.257767	0.001348	0	0.002696	0	3.29E-05
5	0	6.57E-05	0	0.202538	3.29E-05	0	0.00023	0	0.000131
6	0	0.00023	0.000131	0.182386	0.00023	0	0.000657	0	9.86E-05
7	0	0.000197	0	0.204149	0.000197	0	0.000197	0	0
8	0	3.29E-05	6.57E-05	0.094349	0	0	0.000526	0	0
9	0	0	0	0.089056	0.000164	0	0.00194	0	0
10	0	0	0	0.124955	3.29E-05	0	3.29E-05	0	0
11	0	0	0	0.124955	3.29E-05	0	3.29E-05	0	0
12	0	9.86E-05	0.000296	0.125086	0	0	3.29E-05	0	3.29E-05
13	0	0.000197	0	0.144449	9.86E-05	0	0.000197	0	0
14	0	0	0	0.944574	0	0	9.86E-05	0	0
15	0	3.29E-05	0	0.102962	0	0	0	0	0
16	0	0.000164	3.29E-05	0.227457	0.002893	0	0.001348	0	0.000263
17	0	0	0	0.101614	3.29E-05	0	0	0	0
18	0	0	0	0.011868	0.000756	0	0.00194	0	0.000888
19	0	0	0	0.119958	3.29E-05	0	0.000296	0	0
20	0	0	0	0.090766	3.29E-05	0	6.57E-05	0	0
21	0	0	0	0.235642	0.001019	0	0.000526	0	0
22	0	0	3.29E-05	0.687465	0.001611	0	0.001315	0	0.00023
23	0	0	0	0.662382	0.000526	0	0.000986	0	0.000164
24	0	3.29E-05	0	0.117821	0.000986	0	0.001216	0	6.57E-05
25	0	0	0	0.045564	0.000592	0	0.003057	0	0
26	0	0	0	0.520859	9.86E-05	0	0.004833	0	0
27	0	0	0	0.644203	0	0	0.000329	0	0
28	0	0	0	0.690522	0	0	0	0	0
29	0	0	0	0.592163	6.57E-05	0	0.000427	0	6.57E-05
30	0	0	0	0.018344	0.00046	0	0.000263	0	0
31	0	0	0	0.067392	0.000197	0	0.000263	0	0
32	0	3.29E-05	0	0.084454	0.000822	0	0.000427	0	0.000164
33	0	0	0	0.044216	0	0	6.57E-05	0	0
34	0	0	0	0.416187	0.00023	0	0.002071	0	3.29E-05
35	0	0	3.29E-05	0.337749	0.001249	0	0.001282	0	6.57E-05
36	0	0	0	0.045005	0	0	3.29E-05	0	0
37	0	0	0	0.057628	9.86E-05	0	0.000164	0	0
38	0	0	0	0.055097	0.001282	0	0.002597	0	0
39	0	0	0	0.124166	0.004076	0	0.001381	0	0
40	0	0	0.001479	0.144088	0.000263	0	0.003419	0	0
41	0	0	0	0.222558	3.29E-05	0	0.000953	0	0
42	0	0	0	0.548177	0.00457	0	0.005161	0	3.29E-05
43	0	0.00023	3.29E-05	0.291167	0.001118	0	0.000986	0	0.00023
44	0	0	0	0.684178	0.00069	0	0.000723	0	3.29E-05
45	0	0	0.00309	0.193432	0	0	0.001907	0	0
46	0	0	0.001348	0.113186	0	0	0.001282	0	0
47	0	0	0	0.096256	0.000888	0	0.000723	0	0.000197
48	0	0	0	0.559782	0.011703	0	0.016733	0	0
49	0	0	0	0.237582	0.022848	0	0.013709	0	0.002104
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2	0	0	0.006115	0.823564	0	0	0.00023	0	0
3	0	0	0	0.177258	0.00023	0	0.002235	0	0
4	0	0	0	0.695486	0.006082	0	0.004208	0	0.00069
5	0	0	0	0.003912	0.005161	0	0.004997	0	0
6	0	0	0	0.057168	0.002235	0	0.002926	0	0.00069
7	0	0	0	0.002203	0	0	3.29E-05	0	0
8	0	0	0	0.011407	0	0	0.000493	0	0
9	0	0	0	0.001907	0	0	0.000164	0	0
10	0	0	0	0.00618	0.000131	0	6.57E-05	0	3.29E-05
11	0	0	0	0.030343	0	0	0	0	0
12	0	0	0	0.024689	0	0	3.29E-05	0	3.29E-05
13	0	0	0	0.031263	0	0	0	0	0
14	0	0	0	0.007693	0	0	9.86E-05	0	0
15	0	0	0	0.008021	0.000131	0	0.000263	0	0
16	0	0	0	0.062987	9.86E-05	0	0.000197	0	6.57E-05
17	0	0	0	0.074296	0.00046	0	0.000427	0	9.86E-05
18	0	0	0.001019	0.031625	9.86E-05	0	0.000625	0	0.000164
19	0	0.000197	0	0.18518	0.000822	0	0.000493	0	0.000131
20	0	9.86E-05	0	0.116539	0.000822	0	0.000723	0	0.000164
21	0	0	0	0.164502	0.002038	0	0.003813	0	0.000822
22	0	6.57E-05	0	0.291791	9.86E-05	0	0.000526	0	0
23	0	6.57E-05	0	0.135935	0.001742	0	0.001874	0	0
24	0	6.57E-05	0	0.21549	0.001118	0	0.00194	0	0.000263
25	0	0	0	0.516519	3.29E-05	0	0	0	0
26	0	0	0	0.055294	0.002893	3.29E-05	0.002794	0	0.000427
27	0	0	0.00046	0.137513	0.001085	0	0.003846	0	0
28	0	0	0	0.10832	0.00457	0	0.003945	0	0.000263
29	0	3.29E-05	0	0.09734	0.000131	0	0.001578	0	0.000197
30	0	0	0	0.023111	0.000756	0	0.00069	0	9.86E-05
31	0	0	0	0.134521	0	0	0.000197	0	0
32	0	0	0	0.129557	0	0	0.001315	0	0
33	0	0	0	0.011802	0.000263	0	0.000394	0	6.57E-05
34	0	0	0	0.053552	0	0	0.000197	0	0
35	0	0	0	0.010783	0.000131	0	0.000822	0	0
36	0	0	0	0.12032	0.000131	0	0.001282	0	0.000263
37	0	0	0	0.464052	6.57E-05	0	0.000493	0	3.29E-05
38	0	0	0	0.063086	0	0	0.000657	0	0
39	0	0	0	0.323581	0.026003	0	0.020809	0	0.003912
40	0	0	0	0.839048	0.002301	0	0.004405	0	0
41	0	0	0	0.303626	0.000427	0	0.000394	0	3.29E-05
42	0	0	3.29E-05	0.152208	0.00641	0	0.034518	0	0
43	0	0	0	0.116506	0.001118	0	0.001151	0	0.00023
44	0	0	0	0.221112	0.002137	0	0.003123	0	0.001019
45	0	0	0	0.279135	0.024458	0	0.016601	0	0.005621
46	0	0	0	0.019264	0.015319	0	0.012032	0	0.004668
47	0	0	0.000427	0.089418	0.000953	0	0.005457	0	0
48	0	0	0	0.109175	0.00595	0	0.110392	0	0.002827
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2	0	0	0	0.062329	0.000296	0	0.000822	0	0
3	0	0	0	0.142378	0.000657	0	0.000888	0	0
4	0	0	0	0.005589	0.00069	0	0.001118	0	9.86E-05
5	0	3.29E-05	0	0.309313	0.000953	0	0.000888	0	0
6	0	0	0	0.06085	0.000197	0	0.003715	0	0
7	0	0	0	0.030803	0	0	0.000953	0	0
8	0	0	0	0.064203	0.001381	0	0.000789	0	0.000197
9	0	0	0	0.032052	0.000263	0	0.000131	0	0
10	0	0	0	0.111509	0.000296	0	0.000131	0	3.29E-05
11	0	0	0	0.03054	0.000164	0	6.57E-05	0	0
12	0	0	0	0.043394	3.29E-05	0	0.000362	0	0
13	0	0	0	0.115125	6.57E-05	0	0	0	0
14	0	0	0	0.105789	6.57E-05	0	0.00092	0	0
15	0	0	0	0.078175	0.003255	0	0.004405	0	0.000164
16	0	6.57E-05	0	0.140537	0.000559	0	0.000756	0	3.29E-05
17	0	0	0	0.027516	0.003024	0	0.002433	0	0.000197
18	0	0	0.002466	0.153095	0.00023	0	0.000625	0	0
19	0	0	0	0.077254	3.29E-05	0	0.00194	0	0
20	0	0	0	0.064861	0	0	0.00069	0	0
21	0	0	0	0.066537	0	0	0.000263	0	0
22	0	0	0	0.059995	0.001183	0	0.000888	0	0
23	0	0	0	0.113416	0.00092	0	0.003057	0	0.000427
24	0	0	0	0.02676	0.00046	0	0.000986	0	9.86E-05
25	0	0	0	0.176699	0.000131	0	0.00023	0	0
26	0	3.29E-05	0	0.097012	0.001545	0	0.002104	0	0.000263
27	0	0	0	0.062231	0.001545	0	0.002696	0	0
28	0	0	3.29E-05	0.182813	0	0	3.29E-05	0	0
29	0	0	0	0.033499	0.00023	0	0.00069	0	0
30	0	0	0	0.021533	0.000394	0	0.000986	0	0.000197
31	0	0	0	0.048194	0.007988	0	0.012361	0	0.000756
32	0	3.29E-05	0	0.054308	0.000164	0	0.003189	0	3.29E-05
33	0	6.57E-05	0	0.055262	3.29E-05	0	0.00023	0	0
34	0	0	0	0.053059	3.29E-05	0	0.000164	0	9.86E-05
35	0	0	0	0.335744	0.002334	0	0.001677	0.00023	9.86E-05
36	0	0	3.29E-05	0.081265	0.000723	0	0.001216	0	0
37	0	0	0	0.05605	0.001019	0	0.000625	0	0
38	0	0	0	0.044183	0.003189	0	0.123903	0	0.00069
39	0	0	0.000296	0.010914	0.00092	0	0.000394	0	9.86E-05
40	0	0	0	0.013413	0.000592	0	0.000559	0	6.57E-05
41	0	0	0	0.050758	0.012525	0	0.006838	0	0.001545
42	0	0	0	0.089747	0.000329	0	0.001414	0	0.000427
43	0	0	0	0.005983	0	0	0	0	0
44	0	0	0	0.003485	3.29E-05	0	0.000131	0	0
45	0	0	0	0.013709	0.000362	0	0.00023	0	0
46	0	0	0	0.003518	0.000362	0	0.000263	0	0
47	0	0	9.86E-05	0.038759	0.002893	0	0.002268	0	0.000263
48	0	0	0	0.045169	3.29E-05	0	0.000164	0	0
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2	0	0	0	0.077156	0	0	0	0	0
3	0	0	0	0.034386	0.000625	0	0.001118	0	0.000296
4	0	0	0	0.038989	0.001019	0	0.001479	0	0.000592
5	0	0	0	0.001315	0.000362	0	0.000888	0	0
6	0	0	0	0.033104	0.000953	0	0.001578	0	9.86E-05
7	0	9.86E-05	0	0.090371	0	0	0	0	0
8	0	6.57E-05	0	0.104211	0.003715	0	0.004734	0	0.001019
9	0	3.29E-05	0	0.153917	0.029127	0	0.025346	0	0.004964
10	0	0	0	0.169171	0.001315	0	0.001512	0	3.29E-05
11	0	0	0	0.170781	6.57E-05	0	0.001611	0	0.000493
12	0	3.29E-05	0	0.390447	0	0	0.000329	0	6.57E-05
13	0	0	0	0.296262	0.000329	0	0.000362	0	0.000263
14	3.29E-05	0	0	0.374832	0.007594	0	0.009172	0	0.00309
15	0	0	0	0.279891	0.000362	0	0.026135	0	0
16	0	0	9.86E-05	0.13199	0.000526	0	0.002203	0	0
17	0	0	0	0.331306	0.001545	0	0.003419	0	0.000427
18	0	0	0.000296	0.38831	0.004241	0	0.003419	0	0.000164
19	0	0	0.001348	0.350044	0.005753	0	0.003386	0	0.000953
20	0	0	3.29E-05	0.523258	0.001479	0	0.001183	0	0.00023
21	0	0	0	0.921759	0	0	0.000329	0	0
22	0	0	0	0.441073	0.000888	0	0.001315	0	0
23	0	0	0	0.921595	3.29E-05	0	0.00046	0	0
24	0	0	0	0.639929	0.000855	0	0.001709	0	0.000131
25	0	0	0	0.736908	0.000657	0	0.002005	0	0
26	0	3.29E-05	0	0.046648	0.000131	0	0.000559	0	3.29E-05
27	0	0	0	0.05822	0.000493	0	0.000855	0	0
28	0	3.29E-05	0	0.244124	6.57E-05	0	6.57E-05	0	0
29	0	0	0	0.065485	0.002498	0	0.003156	0	0.001249
30	0	0	0	0.139617	0.003813	0	0.003419	0	0
31	0	0.000131	0	0.118873	0.000427	0	0.001874	0	3.29E-05
32	0	0	0	0.167395	0.004635	0	0.003846	0	0.000559
33	0	0	0	0.057727	0	0	0.001348	0	0
34	0	0	0	0.03386	0.001578	0	0.001249	0	9.86E-05
35	0	0	0	0.119596	0	0	0.00572	0	0
36	0	0.000131	0	0.272724	0.000822	0	0.00046	0	6.57E-05
37	0	0	0	0.035307	0.001052	0	0.000394	0	3.29E-05
38	0	0	0.001446	0.026595	6.57E-05	0	0.000197	0	0
39	0	0	0	0.172721	0.001052	0	0.001545	0	0
40	0	0	0	0.085835	0.004142	0	0.003781	0	0
41	0	0	0	0.123245	0.002005	0	0.002334	0	0.000197
42	0	0	0	0.0668	3.29E-05	0	0.000296	0	0
43	0	0	9.86E-05	0.183372	0.004931	0	0.00309	0	0.000427
44	0	0.000164	0.003485	0.154377	0.000526	0	0.001874	0	0
45	0	0	0	0.083435	0.00023	0	0.001315	0	0
46	0	6.57E-05	0.000625	0.095697	0.001907	0	0.001808	0	0.000131
47	0	0	0.005063	0.071173	0.00023	0	0.005819	0	0
48	0	0	0	0.079424	9.86E-05	0	0.000296	0	6.57E-05
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2	0	0	0.000197	0.041191	9.86E-05	0	0.000164	0	0
3	0	6.57E-05	3.29E-05	0.099247	0.00526	0	0.002992	0	0.000657
4	0	0	0.002794	0.164207	0.00023	0	0.000822	0	0
5	0	9.86E-05	0	0.153621	0.000263	0	0.00092	0	6.57E-05
6	0	6.57E-05	0	0.284559	0.007397	0	0.00572	0	0.000296
7	0	9.86E-05	0	0.083599	0.007693	0	0.006016	0	0.000625
8	0	0	0.001118	0.083172	0.000526	0	0.001282	0	0
9	0	0	0	0.056708	0	0	0	0	0
10	0	0	0	0.068313	3.29E-05	0	0.000131	0	0
11	0	0	0	0.076301	0	0	0.000329	0	0
12	0	3.29E-05	0	0.169795	0.000197	0	0.001282	0	0.000197
13	0	0	0	0.089977	0.00023	0	0.000427	0	0
14	0	0	0	0.071238	3.29E-05	0	0	0	0
15	0	0	9.86E-05	0.013873	0.001578	0	0.002235	0	0.000296
16	0	0	0	0.012065	0.000427	0	0.000953	0	3.29E-05
17	0	0	0	0.015747	0	0	0.00023	0	0
18	0	0	0	0.002137	6.57E-05	0	0.000197	0	0
19	0	0	0	0.066274	0	0	0.000164	0	0
20	0	0	0	0.047372	0	0	0.000394	0	0
21	0	0	0	0.036753	3.29E-05	0	0.000625	0	6.57E-05
22	0	0	0	0.031461	0	0	0.000263	0	0
23	0	0	0	0.039581	3.29E-05	0	0.000394	0	0
24	0	0	0	0.040172	6.57E-05	0	0.000394	0	0
25	0	0	0	0.019757	3.29E-05	0	0.000329	0	0
26	0	0	0	0.042572	3.29E-05	0	0.000164	0	0
27	0	0	3.29E-05	0.06348	0.001578	0	0.001183	0	0
28	0	0	0	0.155133	0.001348	0	0.001479	0	6.57E-05
29	0	0	0	0.001249	0.001216	0	0.000657	0	0.000263
30	0	0	0	0.014563	0.000164	0	0.000164	0	3.29E-05
31	0	0	6.57E-05	0.021631	0	0	3.29E-05	0	0
32	0	0	0	0.004076	0.002005	0	0.001414	0	0.000493
33	0	0	0	0.002696	0.000197	0	0.000394	0	9.86E-05
34	0	0	0	0.033006	0.001052	0	0.000855	0	0.00023
35	0	0	9.86E-05	0.167625	0.004471	0	0.003222	0	0.001085
36	0	0	0	0.000657	0.000263	0	0.00023	0	6.57E-05
37	0	0.000197	0	0.370328	0.002203	0	0.002433	0	0.000592
38	0	0	0	0.506756	9.86E-05	0	0.001644	0	0
39	0	0	0	0.158191	3.29E-05	0	0.000493	0	3.29E-05
40	0	0.000197	0	0.400473	0.001742	0	0.0024	0	0.000394
41	0	0.000197	0	0.198593	0.002926	0	0.002137	0	0.000427
42	0	0	0	0.122719	0.000756	0	0.000526	0	3.29E-05
43	0	0	0	0.142181	6.57E-05	0	3.29E-05	0	0
44	0	0	0	0.094415	0	0	0.001282	0	0
45	0	0	0	0.082153	0.000296	0	0.00217	0	0
46	0	0	0	0.060752	0.00069	0	0.002663	0	6.57E-05
47	0	0	0	0.011999	0.000329	0	0.000526	0	3.29E-05
48	0	0	0	0.049377	9.86E-05	0	0.000164	0	0
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2	0	0	0.000592	0.17614	0.000592	0	0.001348	0 3.29E-05
3	0	3.29E-05	0	0.09139	0.00023	0	0.001019	0 0
4	0	0	0	0.139715	6.57E-05	0	0.000888	0 9.86E-05
5	0	0	0	0.16539	0.001644	0	0.001907	0 0.000296
6	0	0	0	0.105099	6.57E-05	0	0.000394	0 0
7	0	0	0	0.445643	0.000131	0	0.001183	0 0
8	0	0	0	0.058187	0.001216	0	0.001216	0 0.000296
9	0	0	0	0.090371	0.000197	0	0.000427	0 0
10	0	0	0	0.028436	0.001216	0	0.004898	0 0
11	0	0	0	0.23653	0.000394	0	0.001183	0 0
12	0	0	0	0.491732	0.000329	0	0.000329	0 0
13	0	0.000329	3.29E-05	0.245998	0	0	0	0 0
14	0	0	3.29E-05	0.008745	0.003846	0	0.003715	0 0.000164
15	0	0	0	0.025412	0.005819	0	0.00618	0 0.001742
16	0	0	0	0.088333	0	0	9.86E-05	0 0
17	0	0	0	0.045005	9.86E-05	0	0.000296	0 3.29E-05
18	0	0	0	0.00904	6.57E-05	0	0.000427	0 9.86E-05
19	0	0	0	0.038726	0.001052	0	0.000723	0 9.86E-05
20	0	0	0	0.037345	0	0	0.00069	0 0
21	0	0	0	0.042934	0.000164	0	0.000592	0 3.29E-05
22	0	0	0	0.076104	3.29E-05	0	0.001907	0 0
23	0	0	0	0.099214	0.000953	0	0.001545	0 0.000296
24	0	0	0	0.032973	0.000197	0	0.000756	0 9.86E-05
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0	0	0	0	0	0.000625	0	0	0
6.57E-05	0	0	3.29E-05	0	0.000592	0	0	0
0	0	0	0	0	0.000164	0	0	0
0.000131	0	0	0	0	3.29E-05	0	0	0
0	0	0	0	0	6.57E-05	0	0	0
0	0	0	0	0	0	0	0	0
0.001216	0	0	0	0	0.001118	0	0	0
9.86E-05	0	0	0	0	0.000197	0	0	0
0	0	0	0.002893	0	0.002531	0	0	0
9.86E-05	0	0	0	0	0	0	0	0
9.86E-05	0	0	0	0	0.000263	0	0	0
0	0	0	0	3.29E-05	0.000394	0	0	0
0	0	0	0	0	0.020152	0	0	0
0	0	0	0.000131	0.000362	0.002104	0	0	0
0	0	0	0	0.000756	0.001282	0	0	0
0	0	0	0.00046	0	0.000263	0	0	0
0.002827	0	0	0.008777	0	0.005589	0	0	0
0	0	0	0	0	0.000164	0	0	0
0	0	0	0	0	6.57E-05	0	0	0
0.000131	0	0	0.000362	0	0.000263	0	0	0
0	0	0	0	0	0.004635	0	0	0
0	0	0	0	0	9.86E-05	0	0	0
0	0	0	6.57E-05	0	0.00069	0	9.86E-05	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
9.86E-05	0	0	0	0	3.29E-05	0	0	0
0	0	0	0	0	0.001183	0	0	0
0	0	0	0.000131	0	0.001709	0	0	0
0	0	0	0	0	0.00069	0	0	0
0	0	0	0	0	0.00092	0	0	0
0	0	0	0	0	0.00046	0	0	0
0	0	0	0.000394	0	0.004405	0	0	0
0	0	0	0	0	0.001874	0	0	0
0	0	0	3.29E-05	0	0.000197	0	0	0
0	0	0	0	0	0.001282	0	0	0
0.00023	0	0	0	0	0.001742	0	0	0
0	0	0	0.000164	0	0.001183	0	0	0
0	0	0	0	0	0.000263	0	0	0
0	0	0	0	3.29E-05	0.000723	0	0	0
0	0	0	3.29E-05	0	0.001775	0	0	9.86E-05
0.000394	0	0	0	0	0.000427	0	0	0
3.29E-05	0	0	0	0	0.00194	0	0	0
0	0	0	6.57E-05	0	0	0	0	0

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2		0	0	0	0	0.001052	0	0	0
3		0	0	0	0	0.000822	0	0	0
4		0	0	0	0	0.00023	0	0	0
5		0	0	0	9.86E-05	0.001414	0	0	0
6		0	0	0	0	0.000789	0	0	0
7		0	0	0	0	0	0	0	0
8		0	0	0	0	0	0	0	0
9		0	0	0	0	0.000263	0	0	0
10		0	0	0	0	0.000164	0	0	0
11		0	0	0	0	0.000427	0	0	0
12		0	0	0	0	0.000164	0	0	0
13		0	0	0	0	0.012591	0	0	0
14		0	0	0	0	0	0	0	0
15		0	0	0	0	0	0	0	0
16	0.000329	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0.00023	0	0	0
18	0	0	0	0	0	0.000559	0	0	0
19	0	0	0	0	0	0.002005	0	0	0
20	0	0	0	3.29E-05	0	0.000657	0	0	0
21	0	0	0	0	0	0.000329	0	0	0
22	0	0	0	0	0	0.000953	0	0	0
23	0	0	0	0	0	0.000953	0	0	0
24	0.000164	0	0	0	0	0.001414	0	0	0
25	0.000493	0	0	0	0	0.001644	0	0	0
26	0	0	0	3.29E-05	0	0	0	0	0
27	0	0	0	0	0	3.29E-05	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0.000789	9.86E-05	0	0
31	0	0	0	0	0	6.57E-05	0	0	0
32	0.000427	0	0	0.006345	0	0.007791	0.00046	0	0
33	9.86E-05	0	0	0.001512	0	0.0024	0.000164	0	0
34	3.29E-05	0	0	0	0	0.00069	0	0	0
35	0	0	0	0	0	0	0	0	0
36	9.86E-05	0	0	0	0	0.001578	0	0	0
37	0	0	0	0.000131	0	0.000855	0	0	0
38	0	0	0	0	0	0.001414	0	0	0
39	0	0	0	0	0	0.001874	0	0	0
40	0	0	0	0	0	0.001052	0	0	0
41	0	0	0	0	0	3.29E-05	0	0	0
42	0	0	0	0	0	0.001479	0	0	0
43	0	3.29E-05	0	0.006345	0	0.033663	0	0	0
44	0	0	0	0	0	0.001545	0	0	0
45	9.86E-05	0	0	0	0	0.001512	0	0	0
46	0	0	0	3.29E-05	0	0.001183	0	0	0
47	0	0	0	0	0	0.002071	0	0	0
48	9.86E-05	0	0	0	0	0.00023	0	0	0
49	0	0.000164	0	0.000888	0	0.021302	0	0	0
50	0	0	0	0.006772	0	0.001841	0	0	0
51	0	0	0	0.000197	0	0.000822	0	0	0
52	0	0	0	0	0	0.001446	0	0	0

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2	0	0	0	0	0	0.001216	0	0	0
3	0	0	0	0	0	0.002203	0	0	0.000131
4	0	0	0	0	0	0.003518	0	0	6.57E-05
5	3.29E-05	0	0	3.29E-05	0	0.00217	0	0	3.29E-05
6	0	0	0	3.29E-05	0	0.001052	0	0	3.29E-05
7	0	0	0	0	0	0.000427	0	0	0
8	0	0	0	0	0	3.29E-05	0	0	0
9	0	0	0	0	0	0.000164	0	0	0
10	0	0	0	0	0	0.001151	0	0	0
11	0	0	0	0	0	0.001151	0	0	0
12	0	0	0	3.29E-05	0	9.86E-05	0	0	0
13	0	0	0	0	0	0.001151	3.29E-05	0	0
14	0	0	0	3.29E-05	0	0.000394	0	0	0
15	0	0	0	0.001334	0	0.008147	0	0	0
16	0	0	0	0.000855	0	0.001972	0	0	0
17	0	0	0	0	0	0.001216	0	0	0
18	9.86E-05	0	0	0	0	0.001348	0	0	0
19	0	0	0	0	0	0.001742	0	0	0
20	0	0	0.000197	0.000986	0	0.001742	0	0	0
21	0	0	0	0.00023	0	0.000329	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0.00069	0	0	0
24	0	0	0	0	0	6.57E-05	0.00046	0	0
25	0	0	0	0	0	0.003222	0	0	0
26	9.86E-05	0	0	0	0	0.001315	0	0	0
27	0	0	0	0	0	0.001545	0	0	0
28	0	0	0	0	0	0.001151	0	0	0
29	0	0	0	0	0	0.001414	0	0	0
30	0	0	0	0	0	0.000197	0	0	0
31	0	0	0	0	0	0.007693	0	0	0
32	0	0	0	0	0	0.00023	0	0	0
33	0	0	0	0	0	0.000329	0	0	0
34	0	0	0	0	0	6.57E-05	0	0	0
35	0	0	0	0	0	3.29E-05	0.001479	0	0
36	0	0	0	0	0	0.000427	0	0	0
37	0	0	0	0	0	0.00046	0	0	0
38	0	0	0	0	0	0.000822	0	0	0
39	0	0	0	0	0	0.000822	0	0	0
40	0	0	0	0	0	6.57E-05	0.000263	0	0
41	0	0	0	0	0	0.000559	0	0	0
42	0	0	0	0	0	0.002696	0	0	0
43	0	0	0	0	0	0.003057	0	0	0
44	0	0	0	0	0	3.29E-05	0.002893	0	0
45	0	0	0	0	0	0.005391	0	0	6.57E-05
46	0	6.57E-05	0	0	0	0.000197	0	0	0
47	0	0	0	0	0	0.003123	0	0	0
48	0	0	0	0	0	0.0024	0	0	0
49	0	0	0	0	0	0.001578	0	0	0
50	0	0	0	0	0	0.001578	0	0	0
51	0.000592	0	0	0.000526	6.57E-05	0.000888	0	0	0
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2	0	0	0	0	0	0.001183	0	0	0
3	0	0	0	0	0	0.00092	0	0	0
4	0	0	0	0	0	0.004142	0	0	0
5	0	0	0	0	0	0.001019	0	0	0
6	0	0	0	0	0	0.000756	0	0	0
7	0	0	0	0	0	0.00069	0	0	0
8	0	0	0	0	0	0.00069	0	0	0
9	0	0	0	0	0	3.29E-05	0	0	0
10	0	0	0	0	0	0.000131	0	0	0
11	0	0	0	0	0	0.000164	0	0	0
12	0	0	0	0	0	3.29E-05	0	0	0
13	0	0	0	0	0	0.001348	0	0	0
14	0	0	0	0	0	0.001348	0	0	0
15	0	0.000131	0	0.004701	0	0.014169	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0.001019	0	0	0
18	0	0	0	0.000197	0	0.001611	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	3.29E-05	0	0.001611	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0.001348	0	0	0	0	0.001183	0	0	0
26	0	0	0	0.000789	0	0.002466	0	0	0
27	0.000131	0	0	0	0	0.000263	0	0	0
28	0	0	0	0	0	0.001545	0	0	6.57E-05
29	0	0	0	9.86E-05	0	0.001216	0	0	0
30	6.57E-05	0	0	3.29E-05	3.29E-05	0.000756	0	0	9.86E-05
31	0	3.29E-05	0	0	0	0.000953	0	0	0
32	0	0	0	0.000131	0	0.002203	0	0	0
33	0	0.000164	0	0	0	0.004997	0	0	0
34	0	0	0	0.001907	0	0.007331	0	0	0
35	0	0	0	0	0	0.00217	0	0	0
36	0	0	0	0	0	0.002137	0	0	0
37	0	0	0	0	0	0.002137	0	0	0
38	3.29E-05	0	0	0.000822	0	0.013873	0	0	0
39	0	0.000131	0	0.002071	0	0.013478	0	0	0
40	0	0	0	0.001216	0	0.005095	0	0	0
41	0	0	0	0	0	0.001775	0	0	0
42	0	0	0	0	0.000197	0.002696	0	0	0
43	0	0	0	0	0	0.001907	0	0	0
44	0	0	0	0	0	0.004142	0	0	0
45	0	0	0	3.29E-05	0	0.000329	0	0	0
46	0	0	0	0	0	6.57E-05	0	0	0
47	0	0	0	0	0	6.57E-05	0	0	0
48	0	0	0	0	0	0.00069	0	0	0
49	0	0	0	0	0	0.000493	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	3.29E-05	0	0	0	0	0
52	0.000263	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0.001644	0	0	0
54	0	0	0	0	0	0.001644	0	0	0
55	0	0	0	0	0	0.001644	0	0	0
56	0	0	0	0	0	0.001644	0	0	0
57	0	0	0	0	0	0.001644	0	0	0
58	0	0	0	0	0	0.001644	0	0	0
59	0	0	0	0	0	0.001644	0	0	0
60	0	0	0	0	0	0.001644	0	0	0

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2	0	0	0	0	0	0.000131	0	0	0
3	0	0	0	0	0	0.000131	0	0	0
4	0	0	0	0.000526	0	0.009764	0	0	0
5	0	0	0	0	0	0.000131	0	0	0
6	0	0	0	0	0	3.29E-05	0	0	0
7	0	0	0	0	0	0.001216	0	0	0
8	0	0	0	0	0	0.000131	0	0	0
9	0	0	0	3.29E-05	0	0.000131	0	0	0
10	9.86E-05	0	0	0	0	0	0	0	0
11	9.86E-05	0	0	0	0	0.000197	3.29E-05	0	0
12	0	0	0	3.29E-05	0	0.000164	0	0	0
13	0.001249	0	0	0	0	0.002926	0	0	0
14	0	0	0	3.29E-05	0	0.002038	0	0	0
15	6.57E-05	0	0	0	0	6.57E-05	0	0	0
16	0	0	0	0	0	0.001742	0	0	0
17	0	0	0	0	0.000131	0.001808	0	0	0
18	0	3.29E-05	0	0.000657	0	0.002761	0	0	0
19	0	0	0	0.00023	0	0.001315	0	0	0
20	0	0	0	0.000296	0	0.001414	0	0	0
21	0	0	0	0	0	9.86E-05	0	0	0
22	0.001019	0	0	0.001216	0	0.00194	0	0	0
23	0	0	0	0	0	0.001775	0	0	0
24	0	0	0	0	0	0.000723	0	0	0
25	0	0	0	0	0	3.29E-05	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	6.57E-05	0	0.002071	0	0	0
28	0	0	0	0.000164	0	0.00858	0	0	0
29	0	0	0	0	0.000625	0.004208	0	0	0
30	0	6.57E-05	0	0	0	0.001446	0	0	0
31	0	0	0	0	0	0.00046	0	0	0
32	0	0	0	9.86E-05	0	0.000723	0	0	0
33	0	0	0	0	0	0.002038	0	0	0
34	0	0	0	0	0	0.000131	0	0	0
35	0.000296	0	0	6.57E-05	0	6.57E-05	3.29E-05	0	0
36	0	0	0	0	0	0.000131	0	0	0
37	0	0	0	0	0	0.001085	0	0	0
38	0	0	0	0	0	0.001611	0	0	0
39	0.000559	0	0	0.000625	0	0.003813	0	0	0
40	0	0	0	0	0	0.001578	0	0	0
41	0	0	0	0	0	0.001282	0	0	0.000164
42	0	0	0	0.000131	0	0.001052	0	0	0
43	3.29E-05	0	0	0	0	0.000493	0	0	0
44	0	0	0	0	0	0.001249	0	0	0
45	0	0	0	0	0	0.002663	0	0	0
46	6.57E-05	0	0	0	0	0.002038	0	0	0
47	0	0	0	0	0	0.002268	0	0	0
48	0	0	0	0.001085	0	0.007956	0	0	0
49	0	0	0	0.000131	0.000164	0.005358	0	0	0
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2	0	0	0	0	0	0.002466	0	0	0
3	0	0	0	0	0	0.000263	0	0	0
4	0	0	0	0	0	0.000986	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0.001282	0	0	0
7	0	0	0	0	0	0.001282	0	0	0
8	0	6.57E-05	0	0.00023	0	0.002071	0	0	0
9	0	0	0	0	0	0.001118	0	0	0
10	0	0	0	0	0	0.001972	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	3.29E-05	0	0	0	0	0.001118	0	0	0
14	0	0	0	0.000493	0	0.001019	0	0	0
15	0	0	0	0.000394	0	0.001052	0	0	0
16	0	0	0	0.001183	0	0.008153	0	0	0
17	0.001216	0	0	0	0	0.000427	0	0	0
18	0	0	0	0	0	0.004339	0	0	0
19	0	0	0	0	0	0.005917	0	0	0
20	0	0	0	0	0	0.005917	0	0	0
21	0	0	0	0	0	0.001644	0	0	3.29E-05
22	0	0	0	0	0	0.00069	0	0	0
23	0	0	0	0	0	0.001742	0	0	0
24	0	0	0	0	0	0.00194	0	0	0
25	0	0	0	0	0	0.001414	0	0	0
26	0	0	0	0	0	0.000986	0	0	0
27	0	0	0	0	0	0.000789	0	0	0
28	0	0	0	0	0	0.000789	0	0	0
29	0	0	0	0.000427	0	0.000164	0	0	0
30	0	0	0	0	0	3.29E-05	0	0	0
31	0	0	0	0	0	3.29E-05	0	0	0
32	0	0	0	6.57E-05	0	0.000592	0	0	0
33	0	0	0	0	0	9.86E-05	0	0	0
34	0	0	0	0	0	0.000131	0	0	0
35	0	0	0	0	0	0.000822	0	3.29E-05	0
36	0	0	0	0	0	3.29E-05	0	0	0
37	0	0	0	0	0	0.000131	0	0	0
38	0	0	0	0	0	0.000164	0	0	0
39	0	0	0	0	0	0.000164	0	0	0
40	0	0	0	6.57E-05	0	0.000427	0	0	0
41	0	0	0	0	6.57E-05	0.000164	0	0	0
42	0	0	0	0	0	0.001381	0	0	0
43	0	0	0	0	0	0.001348	0	0	0
44	0	0	0	0	0	0.001348	0	0	0
45	0	0	0	3.29E-05	0	0.003583	0	0	0
46	0	0	0	0	0	0.002268	0	0	0
47	0	0	0	0	0	0.002268	0	0	0
48	0	0	0	0	0	0.002071	0	0	0
49	0	0	0	0	0	0.001118	0	0	0
50	0	0	0	0	0	0.001315	0	0	0
51	0	0	0	0	0	0.003452	0	0	0
52	0	0	0	0	0	0.000394	0	0	0
53	0	0	0	0	0	0.000394	0	0	0
54	0	0	0	0	0	0.00046	0	0	0
55	0	0	0	6.57E-05	0	0.00046	0	0	0
56	0	0	0	0	0	0.000625	0	0	0
57	0	0	0	0	0	0.000625	0	0	0
58	0	0	0	0	0	0.000131	0	0	0
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2	0	0	0	3.29E-05	0	0.000986	0	0	0
3	0	0	0	0	0	0.000493	0	0	0
4	0	0	0	9.86E-05	0	0.000756	0	0	0
5	0	0	0	0	0	0.003616	0	0	0
6	0	0	0	0	0	0.001381	0	0	0
7	0	0	0	0.000263	0	0.000526	0	0	0
8	0	0	0	0	0.000296	0.00217	0	0	0
9	0	0	0	0	0.00023	0.001085	0	0	0
10	0	0	0	0	0	0.002203	0	0	0
11	0	0	0	0	3.29E-05	0.00069	0	0	0
12	0	0	0	0	0	0.000986	0	0	0
13	0	0	0	0	0.000131	0.00046	0	0	0
14	0	0	0	0	0.000855	0.000756	0	0	0
15	0	0	0	0	3.29E-05	0.00046	0	0	0
16	0	0	0	0	0	0.000559	0	0	0
17	0	0	0	0	0	0.001479	0	0	0
18	0	0	0	0.000197	0	0.001677	0	0	0
19	0	0	0	0	0	0.000362	0	0	0
20	6.57E-05	0	0	0	0	0.000789	0	0	0
21	0	0	0	0	0	0.000394	0	0	0
22	0	0	0	0	0	0.000362	0	0	0
23	0	0	0	0	0	0.00023	0	0	0
24	0	0	0	6.57E-05	0	0.002531	0	0	0
25	6.57E-05	0	0	0	0	0.001315	0	0	0
26	0	0	0	0	0	3.29E-05	0	0	0
27	0	0	0	0	0	3.29E-05	0	0	0
28	9.86E-05	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0.000131	0	0	0
30	0	0	0	0	0	0.001249	0	0	0.000164
31	0	0	0	0	0	0.000164	0	0	3.29E-05
32	0	0	0	0	0	0	0	0	9.86E-05
33	0	0	0	0	0	0.001545	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0.00263	0	0	0
37	3.29E-05	0	0	0	0	0.001578	0	0	0
38	0	0	0	0	0	0.000953	0	0	0
39	0	0	0	0	0	0.00641	0	6.57E-05	0
40	0	0	0	0	0	0.004964	0	0	0
41	0	0	0	0	0	0.001644	0	0	0
42	0	0	0	0	0	0.00355	0	0	0
43	0	0	0	0	0	0.000625	0	0	0
44	0	0	0	0	0	0.001479	0	0	0
45	0	0	0	0	0	0.004076	0	0	0
46	0.001216	0	0	0.001446	0	0.001742	0	0	0
47	0.000164	0	0	0	0	0.00309	0	0	0
48	0.00023	0	0	0	0	0.002071	0	0	0
49	0	0	0	0	0	0.001183	0	0	0.000394

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2	0	0	0	0	3.29E-05	0.001282	0	0	0.002235
3	0	0	0	9.86E-05	3.29E-05	0.002071	0	0	0.000329
4	0.00023	0	0	0	6.57E-05	0.000625	0	0	0
5	0	0	0	0	0	0.005884	0	0	0
6	0	0	0	0	0	0.003846	0	0	0
7	0	0	0	0	0	0.002498	0	0	0
8	0	0	0	0	0	0.000362	0	0	0
9	0	0	0	0	0	0.000197	0	0	0
10	0	0	0	0.000131	0	0.000197	0	0	0
11	0	0	0	0	0	0.00355	0	0	0
12	0	0	0	0	0	0.00092	0	0	0
13	0	0	0	0	0	0.001742	0	0	0
14	0	0	0	3.29E-05	0	0.001742	0	0	0
15	0	0	0	0.000131	0	3.29E-05	0	0	0
16	0	0	0	0	0	0.000131	0	0	0
17	0	0	0	3.29E-05	0	0.002301	0	0	0
18	0	0	0	0	0	0.000362	0	0	0
19	0	0	0	0	0	0.000296	0	0	3.29E-05
20	0	0	0	0.000164	0	0.000296	0	0	0
21	0	0	0	0	0	0.002104	0	0	0
22	0	0	0	6.57E-05	0	0.000164	0	0	0
23	0	0	0	0	0	0.000263	0	0	0
24	0.000263	0	0	0	0	0.00092	0	0	0
25	0	3.29E-05	0	0	0	0.000296	0	0	0
26	0	0	0	6.57E-05	3.29E-05	0.001907	0	0	6.57E-05
27	0	0	0	0	0	0.000789	0	0	0.000164
28	0	0	0	0.000493	0	0.002038	0	0	6.57E-05
29	0	0	0	0	0	0.000197	0	0	6.57E-05
30	0	0	0	0	3.29E-05	0.000197	0	0	0.000131
31	0	0	0	0	0	0.0024	0	0	0.00069
32	0	0	0	0	0	0.000164	0	0	0
33	0	0	0	0	0	0.00046	0	0	0
34	0	0	0	0	0	0.000263	0	0	0
35	3.29E-05	0	0	0	0	3.29E-05	0	0	0
36	0	0	0	0	0	0.001183	0	0	0
37	0	0	0	0	0	0.000888	0	0	0
38	0	0	0	0	0	3.29E-05	0	0	0
39	0	0	0	6.57E-05	0	3.29E-05	0	0	0
40	0	0	0	0.000526	0	0.001874	0	0	0
41	0	0	0	0	0	0.000855	0	0	0
42	0	0	0	0	0	0.00069	0	0	0.000559
43	0	0	0	0	0	0.000756	0	0	0
44	0	0	0	0	0	3.29E-05	0	0	0
45	0	0	0	0	0	0.000625	0	0	0
46	0	0	0	0	0	0.000263	0	0	0
47	0	0	0	0	0	0.003682	0	0	0
48	0	0	0	0	0	0.000296	0	0	0
49	0	3.29E-05	0	0	0	0.000131	0	0	0
50	0	0	0	0	0	0.003255	0	0	0
51	0.000164	0.000131	0	0.000329	0	0.008745	0	0	0
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2	0	0	0	0	0	3.29E-05	0	0
3	0	0	0	0.000657	0	0.000362	0	0
4	0	6.57E-05	0	0.000263	0	0.003222	0	0
5	0	0	0	0.000197	0	0.00263	0	0
6	3.29E-05	0	0	0	0	0.001249	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	0.00023	0	9.86E-05	0	0
9	0	0	0	0	0	0.000131	0	0
10	0	0	0	0	0	0.000197	0	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	6.57E-05	0	0
13	0	0	0	0	0	0.000197	0	0
14	0	0	0	0	0	6.57E-05	0	0
15	0	0	0	0	0	0.000164	0	0
16	0	3.29E-05	0	0	0	0.000296	0	0
17	0	0	0	0.000131	0	0.000493	0	0
18	0	0	0	0	0	0.00069	0	0
19	0	0	0	0.000131	0	0.002564	0	0
20	0	0	0	0.000164	0	0.003156	0	0
21	0.000164	0	0	0.000263	0	0.006345	0	0
22	0	0	0	0	0	0.000493	0	0
23	0	0	0	0.000131	0	0.001512	0	0
24	0	0	0	0	0	0.001085	0	0
25	0	0	0	0	0	0.000592	0	0
26	0	0	0	0	0	0.002367	0	0
27	0	0	0	0.001348	0	0.001183	0	0
28	0	0	0	0	0	0.003419	0	0
29	0	0	0	6.57E-05	0	0.002729	0	0
30	0	0	0	6.57E-05	0	0.000789	0	0
31	0	0	0	0	0	0.001151	0	0
32	0	0	0	0	0	0.001742	0	0.000164
33	0	0	0	9.86E-05	0	0.000592	0	0
34	0	0	0	0	0	0.001216	0	6.57E-05
35	0	0	0	0	0	0.000164	0	0
36	0	0	0	0	0	0.000362	0	3.29E-05
37	6.57E-05	0	0	0	0	0.000394	0	0
38	0	0	0	0	0	0.001085	0	3.29E-05
39	0	6.57E-05	0	0.000822	0	0.016306	0	0
40	0.002729	0	0	0	0	0.002104	0	0
41	0.000164	0	0	0	6.57E-05	0.000493	0	0
42	0	0	0	0.002005	0	0.0048	0	0
43	0	0	0	0	0	0.001019	0	0
44	0	0	0	0	0	0.001381	0	0
45	0	6.57E-05	0	0.00069	0	0.017226	0	0
46	0	6.57E-05	0	3.29E-05	0	0.006246	0	0
47	0	0	0	0	0	0.001677	0	0
48	6.57E-05	0	0	0.017982	0	0.016536	0	0
49								
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2	0	0	0	0	0	0.001545	0	0	0
3	0	0	0	0	0	0.000855	0	0	0
4	0	0	0	6.57E-05	0	0.000789	3.29E-05	0	0
5	6.57E-05	0	0	0	0	0.001052	0	0	0
6	0.000263	0	0	0.000296	0	0.001282	0	0	0
7	3.29E-05	0	0	0	0	0.001019	0	0	0
8	0	6.57E-05	0	6.57E-05	9.86E-05	0.000888	0	0	0
9	0	0	0	0	3.29E-05	0.000526	0	0	0
10	0	0	0	0	0.000164	0.00069	0	0	0
11	0	0	0	0	0	0.000986	0	0	0
12	0	0	0	3.29E-05	3.29E-05	0.000657	0	0	0
13	0	0	0	0	6.57E-05	0.001381	0	0	0
14	0	0	0	0	0	0.002794	0	0	0.001348
15	0	0	0	3.29E-05	0.00023	0.003255	0	0	0.001545
16	0	0	0	6.57E-05	0	0.001808	0	0	0.000131
17	0	0	0	0	0.00023	0.002203	0	0	0
18	0	0	0	0	0	0.003879	0	0	0
19	0	0	0	0.000362	0	0.003222	0.000131	0	0.000164
20	0	0	0	0	0	0.001479	0	0	0.000197
21	6.57E-05	0	0	0	3.29E-05	0.001381	0	0	0.000296
22	0	0	0	0	0	0.001578	0	0	0.000164
23	0.000131	0	0	0.000263	3.29E-05	0.000559	0	0	0
24	0	0	0	6.57E-05	0	0.001216	0	0	0
25	0	0	0	0	0	0.000592	0	0	0
26	0	0	0	0	0	0.003386	0	0	0
27	0.000329	0	0	0	0	0.002992	0	0	0.000625
28	0	0	0	0	0	0.000263	0	0	0.000296
29	0	0	0	0	0	0.001775	0	0	0
30	0	3.29E-05	0	0	0	0.001151	0	0	0
31	0	0	0	0.000493	0	0.007232	0	0	0.000164
32	0	0	0	3.29E-05	0.000131	0.00023	0	0	0
33	0	0	0	0	6.57E-05	0.000526	0	0	0
34	0	0	0	0	0	0.000592	0	0	0
35	0	0	0	0.000526	0	0.001381	0	0	0
36	3.29E-05	0	0	0	0	0.000296	0	0	0
37	0	0	0	0	0	0.000131	0	0	0
38	0.000559	0	0	0.002038	0	0.029554	0.000362	0	0
39	0	0	0	0	0	0.000723	0	0	0
40	0	0	0	0	0	0.00069	0	0	0
41	0	3.29E-05	0	0	0	0.006608	0	0	0
42	0	0	0	0.000131	0	0.001381	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	3.29E-05	0	0	0
45	0	0	0	3.29E-05	0	0.000263	0	0	0
46	0	0	0	0.000164	0	9.86E-05	0	0	0
47	0	3.29E-05	0	0.000263	0	0.002663	0	0	0
48	0	0	0	3.29E-05	0.000197	0.000164	0	0	0
49									
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2	0	0	0	0	0	0.00217	0	0	0
3	0	0	0	0	0	0.001644	0	0	0
4	0	0	0	9.86E-05	0	0.001479	0	0	0
5	0.000131	0	0	0	0	0.002466	0	0	0
6	0	0	0	0	0	0.000986	0	0	0
7	0	0	0	0	0	0.006936	0	0	0
8	0	0	0	0	0	0.004471	0	0	0
9	0	0	0	0	0	0.02219	0	0	0
10	0	0	0	0	0	3.29E-05	0	0	0
11	0	0	0	0	0	0.001183	0	0	0
12	0	0	0	0	0	3.29E-05	0	0	0
13	0	0	0	0	0	0.000329	0	0	0
14	0	0	0	0	0	0.004865	0	0	0
15	0.003156	3.29E-05	0	0	0	0.009698	0	0.000263	3.29E-05
16	0.00217	0	0	0.002268	0	6.57E-05	0	0	0
17	0	0	0	0	0	0.000592	0	0	0
18	0	0	0	0.000164	0	0.003123	0	0	0
19	0	0	0	0.00046	0	0.002959	0	0	0
20	0	0	0	0	0	0.000855	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0.001052	0	0	0	0	0.001611	0	0	0
23	0	0	0	0	0	6.57E-05	0	0	0
24	9.86E-05	0	0	6.57E-05	0	0.000756	0	0	0
25	0.000625	0	0	0	0	0.001052	0	0	0
26	0	0	0	6.57E-05	0	0.000888	0	0	0
27	0	0	0	0	0	0.000855	0	0	9.86E-05
28	0	0	0	0	0	0.000263	0	0	0
29	0	3.29E-05	0	0.000362	0	0.002663	0	0	0
30	0	0	0	9.86E-05	0	0.002038	0	0	0
31	0	0	0	3.29E-05	0	0.005063	0	0	0
32	0	3.29E-05	0	3.29E-05	0	0.003255	0	0	0
33	3.29E-05	0	0	0	0	0.001282	0	0	0
34	0	0	0	0.000526	0	0.000855	0	0	9.86E-05
35	0	0	0	0	0	0.00217	0	0	0
36	0	0	0	0	0	0.000822	0	0	0
37	0	0	0	0	0	0.000526	0	0	0.000197
38	0	0	0	0	0	0.000131	0	0	0.000296
39	0	0	0	0	0	0.00046	0	0	0
40	0	0	0	0	0	0.000953	0	0	0
41	0	0	0	9.86E-05	0	0.001446	0	0	0
42	3.29E-05	0	0	0	0	3.29E-05	0	0	0.001644
43	0	0	0	0.000164	0	0.005194	0	0	0.000131
44	0	0	0	0.00023	0	0.001611	0	0	0
45	0	0	0	0.000296	0	0.001348	0	0	0.000164
46	0	0	0	0	3.29E-05	0.006871	0	0	0
47	0	0	0	0.000164	0	0.000888	0	0	0
48	0	0	0	0	0	0.000263	0	0	0
49	0	0	0	0	0	0.000263	0	0	0
50	0	0	0	0	0	0.000263	0	0	0
51	0	0	0	0	0	0.000263	0	0	0
52	0	0	0	0	0	0.000263	0	0	0
53	0	0	0	0	0	0.000263	0	0	0
54	0	0	0	0	0	0.000263	0	0	0
55	0	0	0	0	0	0.000263	0	0	0
56	0	0	0	0	0	0.000263	0	0	0
57	0	0	0	0	0	0.000263	0	0	0
58	0	0	0	0	0	0.000263	0	0	0
59	0	0	0	0	0	0.000263	0	0	0
60	0	0	0	0	0	0.000263	0	0	0

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2	0	0	0	3.29E-05	0	3.29E-05	0	0	0
3	0	0	0	0	0	0.002794	0	0	0
4	0	0	0	6.57E-05	3.29E-05	0.000756	0	0	0
5	0	0	0	0	0	0.001348	0	3.29E-05	0
6	3.29E-05	0	0	0	0	0.002729	0	0	0
7	0	0	0	0.001183	0	0.005457	0	0	0
8	0.000362	0	0	0	9.86E-05	0.001644	0	0	0
9	0	0	0	0	3.29E-05	0.003419	0	0	0
10	0	0	0	0	0	0.001907	0	0	0
11	0	0	0	0	0.000164	0.001381	0	0	0
12	0	0	0	0	0	0.001381	0	0	0
13	0	0	0	0	0	0.001183	0	0	0
14	0	0	0	0	0	0.001183	0	0	0
15	3.29E-05	0	0	0	3.29E-05	0.001216	0	0	0
16	0	0	0	0.000789	0	0.001282	0	0	0
17	0	3.29E-05	0	0	0	0.000394	0	0	0
18	6.57E-05	0	0	0	0	0.000296	0	0	6.57E-05
19	0	0	0	0	0	0.00023	0	0	0.000197
20	6.57E-05	0	0	0	0	0.001414	0	0	0.000493
21	0	0	0	0	0	0.000953	0	0	9.86E-05
22	0	0	0	0	0	0.000756	0	0	0.00046
23	0	0	0	0	0	0.00023	0	0	6.57E-05
24	0	0	0	0	0	0.000362	0	0	0.00046
25	0	0	0	0	0	0.000657	0	0	0.00023
26	0.000131	0	0	0	0	0.000559	0	0	0.000197
27	0	0	0	0	0	0.001216	0	0	0.000657
28	6.57E-05	3.29E-05	0	6.57E-05	0	0.00023	0	0	0
29	0	0	0	0	0	0.00194	0	0	0
30	0	0	0	3.29E-05	0	0.000362	0	0	0
31	0	0	0	0	0	9.86E-05	0	0	0
32	0	0	0	0	0	0.000197	0	0	0
33	0	0	0	0	0	0.000789	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0.001545	0	0	0
36	0	3.29E-05	0	0	0	0.002268	0	0	0
37	6.57E-05	0	0	0	0	6.57E-05	0	0	0
38	0	0	0	0	0	0.001775	0	0	0.000197
39	3.29E-05	0	0	0	0	0.001183	0	0	0.000526
40	0	0	0	0	0	0.000888	0	0	9.86E-05
41	0	0	0	0	0	0.002466	0	0	6.57E-05
42	0	0	0	9.86E-05	3.29E-05	0.001907	0	0	0
43	0	0	0	0	0	0.00046	0	0	0
44	0	0	0	0	3.29E-05	0.002071	0	0	0
45	0	0	0	0	0	0.000657	0	0	0
46	0	0	0	0	0	0.001545	0	0	0
47	0	0	0	6.57E-05	0	0.001348	0	0	0
48	0	0	0	0	0	0.000427	0	0	0
49	0	0	0	0	0	0.000329	0	0	0

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2	0	0	0	0	0.00023	0.002334	0	0	0
3	0	0	0	0	0	0.001216	0	0	0
4	3.29E-05	0	0	0	0	0.001052	0	0	0
5	0	0	0	0	0	0.001512	0	0	0
6	3.29E-05	0	0	0	0	0.000657	0	0	0
7	0.000197	0	0	0	0	0.000592	0	0	0
8	0	0	0	3.29E-05	0	0.001414	0	0	0
9	0	0	0	0	0	0.002104	0	0	0
10	0	0	0	0	0	0.001118	0	0	0
11	0	0	0	0	0	0.000657	0	0	0
12	0	0	0	0	0	0.001019	0	0	0
13	0	0	0	0	0	0.000131	0	0	0
14	0	0	0	0	0	0.001414	0	0	0
15	0	0	0	0.000329	0	0.003846	0	0	0
16	0	0	0	0	0	0.000263	0	0	0.00023
17	9.86E-05	0	0	0	0	0.000296	0	0	0.000131
18	3.29E-05	0	0	0	0	0.00023	0	0	0
19	0	0	0	0	0	0.000164	0	0	0.000263
20	0	0	0	0	0.000164	0.000394	0	0	0.000362
21	0	0	0	0.000131	0	9.86E-05	0	0	0
22	0	0	0	0	0	0.000427	0	0	0.001578
23	0	0	0	0	3.29E-05	0.000756	0	0	0.000164
24	0	0	0	0	0	0.00046	0	0	0
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4	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
5	0	6.57E-05	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	9.86E-05	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	3.29E-05	0	0	0	0	0
10	0	0	0	6.57E-05	3.29E-05	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0.000888	0
13	0	0	0	0	0	0	0	0	0
14	0	0.000394	0	0	0	0	0	0.000296	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0.000394	0
17	0	0	0	0.000197	0	0	0	0	0
18	0	0	0	0.000394	0	6.57E-05	0	0.000756	0
19	0	0	0	0	0.000526	0	0	0.000263	0
20	0	0.000131	0	0	0.00023	0	0	0.000723	0
21	0	0	0	0	0	0	0	0.000427	0
22	0	0	0	0	0.000592	0	0	0	0
23	0	0	0	6.57E-05	0	0	0	0	0
24	0	0	0	0	9.86E-05	0	0	0	0
25	0	0	0	3.29E-05	0	0	0	0	0
26	0	0	0	0.002268	0	0	0	0.00023	0
27	0	0	0	0.000263	3.29E-05	0	0	0	0
28	0	0	0	0.001677	0	0	0	9.86E-05	0
29	0	0	0	0.001644	0	0	0	0	0
30	0	0	0	0.001578	0	0	0	0	0
31	0	0	0	0.000526	0	0	0	0	0
32	0	3.29E-05	0	9.86E-05	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	6.57E-05	0
35	0	0	0	0	0	0	0	3.29E-05	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	6.57E-05	0	0	0	0	0
38	0	3.29E-05	0	0	3.29E-05	0.000131	0	9.86E-05	0
39	0.000888	0	0	0.00046	0.00069	0	0.000164	0	0
40	0	0	0	0.002827	0.001151	0	0.000197	0	0
41	0	0	0	0.000592	0.000296	0	0	0	0
42	0.00023	0	0	0.000394	0.001118	0	0	0.000329	0
43	0	0	0	9.86E-05	3.29E-05	0	0	0	0
44	9.86E-05	0	0	0.000131	0.00263	0	0	0	0
45	3.29E-05	0	0	0.000296	0.001348	0	0	0	0
46	0.001348	0	0	0.000888	0.001709	0	0	0	0.000362
47	0	0	0	6.57E-05	0.00069	0	0	0	0
48	3.29E-05	0	0	0.000362	0.000296	0	0	0	0
49	0	0	0	0.004011	0	0	0	0	0
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2	0.00309	3.29E-05	0	0	0.003123	0	0	0	0
3	0.000855	0	0	0	0.002137	0	0	0	0
4	0.001151	0	0	0.000756	0.000164	0	0	0	0
5	0.001019	0	0	0.006772	0.000296	0	0	0	0
6	0.000131	0	0	0.002827	6.57E-05	0	0	0	0
7	0	0	0	3.29E-05	0	0	0	0	0
8	0	0	0	9.86E-05	3.29E-05	0	0	0	0
9	0.00023	0	0	0.000296	0.000329	0	0	0	0
10	0.001052	0	0	0.002071	0.001775	0	0	0	0
11	0	0	0	0	0.000164	0	0	6.57E-05	0
12	0	0	0	0.001118	0	0	0	0.003057	0
13	0	0	0	0	0	0	0	0	0
14	0.000362	0	0	0	0	0	0	0	0
15	0.000296	0	0	0	0	0	0	0	0
16	0.00046	0	0	0.00046	0.000526	0	0	0	6.57E-05
17	0	0	0	0.001315	0	0	0	0	0
18	0.000263	0	0	3.29E-05	0.000723	0	0	0	0
19	6.57E-05	0	0	0	0.000427	0	0	0	0
20	0	0	0	0	0.002005	0	0	0	0
21	6.57E-05	0	0	0	6.57E-05	0	0	6.57E-05	0
22	0	0	0	0	0	0	0	0.000329	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0.00046	0	0	0	0
25	0	0	0	0.000131	0	0	0	0	0
26	3.29E-05	0.000197	0	0.00046	0	0	0	0	0
27	0	0	0	6.57E-05	3.29E-05	0	0	0	0
28	0	0.001052	0	0.001019	0.00092	0	0	3.29E-05	0
29	0	0.000329	0	0	9.86E-05	0	0	0	0
30	0	0	0	0.000131	0.00023	0	0	0.000263	0
31	0	0	0	6.57E-05	0.000164	0	0	0	0
32	0	0	0	0	0.002104	0	0	0	0
33	0	0	0	0	0.001414	0	0	0	0
34	0	0	0	0	0.002761	0	0	0	0
35	0	0	0	0	0.003452	0	0	0	0
36	0.000362	0	0	0	0.000953	0	0	0	0
37	0.000756	0	0	0	0.004142	0	0	9.86E-05	0
38	0	0	0	0.000855	0	0	0	0.000427	0
39	0	0	0	0	0	0	0	0.001381	0
40	0.00046	0	0	0.000329	0.000493	0.000559	0	0	0
41	0.000197	0	0	0.000493	0.001052	0	0	0	0
42	0.000263	0	0	0	0.001085	0	0	0.000131	0
43	0.000986	0	0	0.000723	0	0	0	6.57E-05	0
44	0.000559	0	0	0	0.001118	0	0	0	0
45	0	0	0	0	0	0	0	0.001972	0
46	0	0	0	0	3.29E-05	0.002334	0	0	0
47	0	0	0	0	0.000394	0	0	0	0
48	0	0	0	0.00046	6.57E-05	0	0	0	0
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2	0	0	0	0.000855	0.000427	0	0	0	0
3	0	0	0	0.003748	0.000559	0	0	0	0
4	0	0	0	0.002334	0.000394	0	0	0	0
5	0.00023	0	0	0.000822	0.000427	0	0	0	0
6	0	0	0	0.001644	0.000592	0	0	0	0
7	0	0	0	0.000526	6.57E-05	0	0	9.86E-05	0
8	0	0	0	0.000164	6.57E-05	0	0	9.86E-05	0
9	0	0	0	0.001446	0.000592	0	0	0	0
10	0	0	0	0.000625	0.000427	0	0	0	0
11	0	0	0	0.000592	0.000362	0	0	0	0
12	0	0	0	0.001019	0.00092	3.29E-05	0	0	0
13	0	0	0	0.000723	0.00069	0	0	3.29E-05	0
14	0	0	0	0	0	0	0	0.003511	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	3.29E-05	0	0	0	0.000296	0
17	0	0	0	0	0	0	3.29E-05	0.000427	0
18	0	0.00023	0	0	3.29E-05	0.000296	0	0.000296	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0.000625	0	0	0	0	0	0.000394	0
26	0.000197	0	0	0.000986	0.000394	0	0	0	0
27	0	0	0	0.000131	6.57E-05	0	0	0	0
28	0.00023	0	0	0.000362	0.00092	0	0	0	0
29	0.000131	0	0	0.00023	0.000263	0	0	0	0
30	0	0	0	0.001381	0.000394	0	0	0	0
31	0	0	0	0.000263	9.86E-05	0	0	0	0
32	0	0	0	0.021368	0.000855	0	0	0	0
33	0	0	0	0	3.29E-05	0	0	0	0
34	0	0	0	0.000197	0	0	0	0	0
35	0	0	0	6.57E-05	3.29E-05	0	0	0	0
36	0.000427	0	0	0.002301	0.001282	0	0	0	0
37	0	0	0	0	0.004438	0	0	9.86E-05	0
38	0.000394	0	0	0.000723	0.002663	0	6.57E-05	0	0
39	0.00023	0	0	0.002235	0.001183	0	0.000362	0	0
40	0.000329	0	0	0.000394	0.000592	0	0	0	0
41	0.000131	0	0	0.000657	0.002597	0	0	9.86E-05	0
42	0.000296	0	0	0.000329	0.000263	0	0	0	0
43	6.57E-05	0	0	0.00069	0.000592	0	0	0	0
44	6.57E-05	0	0	0.000822	0.000592	0	3.29E-05	0	0
45	0.001282	0	0	0.000164	0.000822	0	0.000394	0	0
46	0.001019	0	0	9.86E-05	0.001446	0	0.000197	0.000164	0
47	0.000329	0	0	9.86E-05	0.000197	0	6.57E-05	0	0
48	0.000296	0	0	0.002827	0.00092	0	0	0	0
49	0.001282	0	0	0.005293	0.002137	0	0	6.57E-05	0
50	0.000789	0	0	0.001972	0.002334	0	0	0	0
51	0.000131	0	0	0.002005	0.001052	0	0	0	0

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2	0.000592	0	0	0.002301	0.001709	0	0	0	0
3	0	0	0	0.001709	0	0	3.29E-05	0	0
4	0	0	0	0.005161	0	0	0.000197	0	0
5	0	0	0	0.002794	0	0	0	0	0
6	0	0	0	0.00069	0.000131	0	3.29E-05	0	0
7	0	0	0	0	0.006706	0	0	0	0
8	0	0	0	3.29E-05	0.003156	0	0	0	0
9	0	0	0	0	0.001216	0	0	0.00023	0
10	0	0	0	0	0.001052	0	0	9.86E-05	0
11	0	0	0	0	0.002663	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0.000164	0
18	0	0.000197	0	0	0	0	0	0.000723	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	6.57E-05	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	3.29E-05	0	0	0	0	0
24	3.29E-05	0	0	0	0	0	0	0.000756	0
25	0	0.001446	0	0	0	0.000296	0	0	0
26	0	0	0	0	0	0	0	0.000197	0
27	9.86E-05	0	0	0.000559	0	0	0	0.000329	6.57E-05
28	0.000855	0	0	0.002334	0.001841	0	0	0	6.57E-05
29	0.001512	0	0	0.00194	0.001611	0	0	0.000131	0
30	0.000197	0	0	0.000164	0.001085	0	0	0.000394	0
31	9.86E-05	0	0	0.00046	0.00023	0	0	0.000657	0
32	0	0	0	6.57E-05	0.000263	0	0	0.000296	0
33	0	0	0	0.000789	0.000131	0	0	0	0
34	6.57E-05	0	0	0.00092	3.29E-05	0	0	0	0
35	0	6.57E-05	0	9.86E-05	0	0	0	0	0
36	0	0	0	6.57E-05	0.000164	0	0	3.29E-05	0
37	0	0	0	0.000855	0	0	0	0.001479	0
38	0.001677	0	0	0.001972	0.001611	0	0	0	0
39	6.57E-05	0	0	0.000131	0.000756	0	0	0	0
40	0	0	0	0.00069	0.001282	0	0	0	0
41	0	0	0	0.000329	0.000822	0	0	0	0
42	0	0	0	0.002893	0.000756	0	0	0	0
43	0	0	0	0.001414	0	0	0	9.86E-05	0
44	6.57E-05	0	0	0.000131	9.86E-05	0	0	0	0
45	0	0	0	0.003518	0	0	0	3.29E-05	0
46	0	0	0	0.00092	0	0	0	0	0
47	0	0	0	0.014004	0	0	0	0	0
48	0	0	0	0.003024	0	0	0	0	0
49	0	0	0	0.001907	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0.000493	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59									
60									

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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0.001677	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0.000164	0	0	0	0.000263	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	3.29E-05	0	0	0	0	0
11	0	0	0	0	0	0	0	0.000164	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0.000296	0	0	0.001315	0.002498	0	0	0	0
16	0	0	0	0.000197	0.000197	0	0	9.86E-05	0
17	0.000625	0	0	0.003846	0.000197	0	6.57E-05	0	3.29E-05
18	9.86E-05	0	0	0.000657	0.000394	0	6.57E-05	0.00023	0.000263
19	0	0	0	9.86E-05	0.001019	0	0	0.00023	0
20	0	0	0	0	9.86E-05	0	0	9.86E-05	0
21	0	0.000362	0	0	0.000329	0	0	0.000296	0
22	0	3.29E-05	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0.00092	0
24	0	0	0	0	0	0	0	9.86E-05	0
25	0	0.000164	0	0.000362	0	0	0	0.000296	0
26	6.57E-05	0	0	0	3.29E-05	0	0	0	0
27	3.29E-05	0	0	0	6.57E-05	0	0	0	0
28	0	0	0	0.000197	0.000164	0	0	0	0
29	9.86E-05	0	0	0.000164	9.86E-05	0	0	0.001841	0
30	0	0	0	0.000657	0.000723	0	0	0	0
31	9.86E-05	0	0	0.00069	0.000789	0	0	0	0
32	0.002367	0	0	0.000131	0.003912	6.57E-05	0	0	0
33	9.86E-05	0	0	0	0.000625	0	0	9.86E-05	0
34	0	9.86E-05	0	0.000657	0.002433	0	0	0	0
35	0	0	0	0	0	0	0	3.29E-05	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0.000625	0.000362	0	3.29E-05	0	0
38	0	0	0	0.002038	0.00332	0	0	0.000493	0
39	0	3.29E-05	0	0.00023	0.00069	0	0	0	0
40	0	0	0	0.002794	0.011868	0	0	0	0
41	0	0	0	0.00023	0.001019	0	0	3.29E-05	0
42	0.000131	0	0	0.000822	0.000756	0	0	0.00023	0
43	0.000131	0	0	0.00194	0.00046	0	0	0	3.29E-05
44	0.000394	0	0	0.001479	0.001414	0	9.86E-05	0	6.57E-05
45	0.006016	0	0	0	0.000164	0	0	0.000362	9.86E-05
46	0.000394	0	0	0.000131	0.000888	0	9.86E-05	9.86E-05	3.29E-05
47	0.001052	0	0	0.000131	0.001315	0	0.000131	0	9.86E-05
48	0.001151	0	0	6.57E-05	0.001414	0	0.000559	0	0
49	0.000822	0.000329	0	0.00023	0.000657	0	0.000131	0.000329	0
50	0.001151	0.000789	0	0	9.86E-05	0	0	0.001742	0
51									
52									
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55									
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2	0.000164	0	0	0	0.000625	0	0	0.000394	0
3	0	0	0	0.000131	0.000394	0	0	0.000362	0
4	0.000822	6.57E-05	0	0.000164	0.000427	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0.00092	0
9	6.57E-05	0	0	0.001118	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0.000592	0	0	0	0.000427	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0.000559	3.29E-05	0	0	0	0
16	0	0	0.000855	0	0.000559	0	0	0.001446	0
17	0.000131	0	0	0.00023	0	0	0	0.000164	0
18	0.002564	0	0	0.005589	0.002992	0	0	0	0
19	0.001414	0	0	0.006608	0.002334	0	0	0	0
20	0.001545	0	0	0.0048	0.002761	0	0	0	0
21	0.000296	6.57E-05	0	0.001775	0.000559	0	0	0	0
22	0.000559	0	0	0.003879	0.000986	0	0	0	0
23	0.001742	0	0	0.004175	0.003057	0	0	0	0
24	0.000526	0	0	0.003485	0.001644	0	0	0	0
25	0.000427	0	0	0.002696	0.001151	0	0	0	0
26	0.000526	0	0	0.002367	0.000329	0	0	0	0
27	0	0	0	0.006476	0	0	0	0	0
28	0	0	0	0	3.29E-05	0	0	0	0
29	0	0	0	0	0.000427	0	0	0.000164	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	6.57E-05	0	0	0	0
33	0	0	0	0.000888	9.86E-05	0	0	0.000329	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	3.29E-05	0
36	0	0	0	0	3.29E-05	0	0	0	0
37	0	0	0	9.86E-05	0	0	0	0.000362	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0.000197	0.000394	0	3.29E-05	0	0
40	0	0	0	0.000394	0.001249	0	9.86E-05	9.86E-05	0
41	0.000329	0	0	0.001052	0.000657	0	0.000131	0.000263	0
42	6.57E-05	0	0	0.000164	0.001085	0	0	0	0
43	3.29E-05	0	0	0	6.57E-05	0	0	0	0
44	3.29E-05	0	0	0.000625	0.000592	0	0	0.000131	0
45	6.57E-05	0	0	0.000822	0.00092	0	0	0	0
46	0.000131	0	0	0.001907	0.000592	0	0	0.000394	0
47	0	0	0	3.29E-05	0	0	0	0	0
48	6.57E-05	0.000164	0	0.000164	0.000131	0	0	0	0
49	6.57E-05	0	0	6.57E-05	3.29E-05	0	0	0	0
50	0	0	0	0.000296	6.57E-05	0	0	0	0
51	6.57E-05	0	0	9.86E-05	3.29E-05	0	0	3.29E-05	0

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2	0.000625	0	0	0.000888	0.001545	0	0	0	0
3	0.000197	0	0	0.000362	0.00023	0	0	0	0
4	0.000131	3.29E-05	0	0.000263	0.000197	0	0	0	0
5	0	0	0	0.005161	0.003813	0	0	0	0
6	0.000756	0	0	3.29E-05	0.005326	0	0	0	0
7	0	0	0	0.00023	0.002104	0	0	6.57E-05	0
8	0.003419	0	0	0.003024	9.86E-05	0	3.29E-05	0.00046	0.000526
9	0.004405	0	0	0.002761	9.86E-05	0	0.000953	6.57E-05	0
10	0.000296	0	0	0.002005	0.002301	0	0.004898	0	3.29E-05
11	0.001742	0	0	0.001677	0.000822	0	0.000329	0	0.000164
12	6.57E-05	0	0	0.001479	9.86E-05	0	9.86E-05	3.29E-05	6.57E-05
13	0.000526	0	0	0.001183	0.000296	0	0.000329	0.000131	6.57E-05
14	0.00526	0	0	0.001348	0.000625	0	0.001381	0	0.000526
15	0	0	0	0.000822	0.001085	0	0.001348	0	0.000657
16	0	0	0	0	0.000197	0	0	0	0
17	0	0	0	0	0.000131	0	0	3.29E-05	0
18	0	0.000296	0	0	0	0.000296	0	6.57E-05	0
19	6.57E-05	0	0	3.29E-05	3.29E-05	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	6.57E-05	0	0	0	0
22	0	0	0	0	0.00023	0	0	0	0
23	0	0	0	0	6.57E-05	0	0	0	0
24	0	0	0	0	0.000131	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0.000131	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	9.86E-05	0	0	0	0	0	0	3.29E-05	0
34	0.000131	0	0	0	0	0	0	0	0
35	0.001052	0	0	0.000131	0.001709	0	0	0	0
36	3.29E-05	0	0	3.29E-05	3.29E-05	0	0	0.000131	0
37	0	0	0	6.57E-05	6.57E-05	0	0	0	0
38	0	0	0	0	0	0	0	0.000131	0
39	0.001151	0	0	0	0.001644	0	0	0	0
40	0.000493	0	0	0	0.000723	0	0	0	0
41	6.57E-05	0	0	0	3.29E-05	0	0	0	0
42	3.29E-05	0	0	0	0	0	0	0.000197	0
43	0	0	0	0.000493	0.0024	0	0	0.000953	0
44	0	0	0	3.29E-05	0.000164	0	0	0.000789	0
45	0	0	0	3.29E-05	0.000329	0	0	0	0
46	0	0	0	0.000131	0.000756	0	0	0.00023	0
47	0	0	0	9.86E-05	0.001414	0	0	0	0
48	0	0	0	3.29E-05	0.000723	0	0	0	0
49	0	0	0	0	0.00023	0	0	0	0
50	0	0	0	0	0.000263	0	0	0	0
51	0	0	0	0.000723	0	0	0	0	0
52	0	0	0	0	3.29E-05	0	0	0	0
53	0.000197	0	0	0.000559	0.001019	0	0.00023	6.57E-05	0

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2	0.000526	0	0	0.003485	0.002893	0	0	0	0
3	0.000493	0	0	0.001446	0.002531	3.29E-05	6.57E-05	6.57E-05	0
4	6.57E-05	0	0	0.003123	0.000197	0	0	0	0
5	0.000789	0	0	0.006838	0.003024	0	0	0	0
6	0.00046	0	0	0.003287	0.001381	0	0	0	0
7	0.000756	0	0	0.000822	0.001545	0	0	3.29E-05	0
8	6.57E-05	0	0	0.001742	0.000493	0	0	0	0
9	3.29E-05	0	0	0.001808	0.000197	0	0	0	0
10	0.00023	0	0	0.003813	0.000559	0	0	0	0
11	0.000362	0	0	0.002038	0.000559	0	0	0	0
12	0	0	0	0.002729	0.000394	0	0	0	0
13	9.86E-05	0	0	0	0.00023	0	0	0	0
14	0.000362	0	0	0.001972	0.002203	0	0	0	0
15	0	6.57E-05	0	0.001216	0.000953	0	0	0	0
16	0.00023	0	0	0.004865	0.001907	0	0	0	0
17	0	0	0	0.00023	0.000493	0	0	0	0
18	0	0	0	0.003912	6.57E-05	0	0	0	0
19	0	0	0	0.003978	0.000296	0	0	0	0
20	0	0	0	0.001479	0.000164	0	0	0.000197	0
21	0	0	0	0.000131	0.000362	0	0	0.000131	0
22	0	0	0	0.000164	0.000164	0	0	0	0
23	0.000427	3.29E-05	0	0.000394	0.000789	0	0	3.29E-05	0
24	0	0	0	0.000625	6.57E-05	0	0	0	0
25	9.86E-05	0	0	0	0.000197	0	0	0	0
26	0.000296	0	0	3.29E-05	0.000197	0	0	0	0
27	0.000131	0	0	6.57E-05	0.000493	0	0	0	0
28	0.000493	0	0	0.001545	0.001907	0	0	0	0
29	0.00023	0	0	0	6.57E-05	0	0	0	0
30	0	0	3.29E-05	0	0.000164	0	0	0	0
31	0.000493	6.57E-05	0	0	0.001151	0	0	0	0
32	0.000855	0	0	0	0.00069	0	3.29E-05	0	0
33	0	0	0	0.002071	0	0	0	0	0
34	0	0	0	0.000592	0	0	0	3.29E-05	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0.003945	0	0	0	0
40	6.57E-05	0	0	0.000526	0.000953	0	0	0	0
41	0	6.57E-05	0	0	0	0	0	0	0
42	0	0	0	0	3.29E-05	0	0	0	0
43	0	0	3.29E-05	0.000526	0	0	0	0	0
44	0	0	0	6.57E-05	0	0	0	0	0
45	0	0	0	0.001545	6.57E-05	0	0	0	0
46	0	0	0	0.002433	0.000592	0	0	0	0
47	0.000526	0	0	0	0.001118	9.86E-05	0	6.57E-05	0
48	0	0	0	0	0	0	0	0.002334	0
49	0	0	0	0	0	0	0	0.000164	0
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2	0	0	0	0	0	0	0	0	0
3	0.00023	0.000197	0	0.000592	0.000723	0	0	0	0
4	0	0	0	0.00069	0	0	0	0.000263	0
5	0	6.57E-05	0	0	0	0	0	0.000263	0
6	0	0	0	0	0	0	0	6.57E-05	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0.000394	0	0	0	3.29E-05	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	3.29E-05	0
19	0	3.29E-05	0	0	3.29E-05	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0.001709	3.29E-05	0	0.002893	0.00812	0	0	0.000197	0
22	0.000526	0	0	0.001249	0.004274	0	0	9.86E-05	0
23	6.57E-05	0	0	0.000493	0.000953	0	0	0.000559	0
24	3.29E-05	0	0	0.000888	0.000953	0	3.29E-05	3.29E-05	0
25	0.000131	0	0	0.000362	0.001315	0	0	3.29E-05	0
26	0.001545	0	0	0.000131	0.001414	0	0	0.000131	0
27	0.000296	0	0	3.29E-05	0.001841	0	3.29E-05	0	0
28	0.000427	0.000526	0	0.000362	0.001742	0	0	0.000394	0
29	0	0	0	0	0.00023	0	0	0	0
30	6.57E-05	0	0	0.000296	3.29E-05	0	0	0.00069	0
31	0.000657	0	0	0.005063	0.002926	0	0	3.29E-05	3.29E-05
32	0.00023	0	0	0.000263	0.000493	0	0	6.57E-05	0
33	0.000427	0	0	0.001315	0.001085	0	0	0	0
34	0.000592	0	0	0.001841	0.001019	0	6.57E-05	0	6.57E-05
35	0.000131	0	0	0.000296	0.000427	0	0	6.57E-05	0
36	0.003255	0	0	0.001644	0.000822	0	0	0	0
37	0.000263	0	0	0	6.57E-05	0	0	0	0
38	0.001019	0	0	0.001052	0.000953	0	0	0	0
39	0.000197	0	0	6.57E-05	0.001545	0	0	0	0
40	0.000559	0	0	0.002104	0.001644	0	0	0	9.86E-05
41	0	0	0	0.00069	0.000329	0	9.86E-05	0.004471	0
42	0	0	0	3.29E-05	0	0	0	0.000855	0
43	3.29E-05	0	0	0.001972	3.29E-05	0	0	0	0
44	0	0	0	0.001052	0	0	0.000131	0.001019	0
45	3.29E-05	0	0	0.000953	0.000197	0	0.000822	3.29E-05	0
46	0.000131	0	0	0.000263	3.29E-05	0	0	0.000888	0
47	0	0.000263	0	0	3.29E-05	0	6.57E-05	0.002005	0
48	0	0	0	0	3.29E-05	0	0	0.001315	0
49	0	0	0	0.000197	0.000657	0	0	3.29E-05	0
50	0	0.000888	9.86E-05	0	3.29E-05	0	0	0.001446	0

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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	9.86E-05	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0.000427	0	9.86E-05	0.000164	0
6	0	0	0	0	3.29E-05	0	3.29E-05	0	0
7	0.000427	0	0	0.002104	0.001151	0	3.29E-05	0	0
8	0.000526	0	0	0.000789	0	0	0	3.29E-05	3.29E-05
9	3.29E-05	0	0	0.002564	0	0	0	9.86E-05	0
10	0.000329	0	0	0.00092	3.29E-05	0	0	0	0.000164
11	9.86E-05	0	0	0.001315	0	0	0	0	0
12	6.57E-05	0	0	0.001742	0	0	0	0	0
13	0	0	0	0.006213	0	0	0	0	0
14	0.001677	0	0	0.00046	0.002203	0	0.000263	0	3.29E-05
15	0.000888	0	0	0.000953	0.000855	0	0	0.000131	0.000986
16	0.000164	0	0	0.002498	0.001709	0	0	0	0
17	0.000657	0	0	0	0.001381	0	0	0.000164	0
18	0.000394	0	0	9.86E-05	6.57E-05	0	0	0	0
19	0.000164	0	0	0.006805	0.000822	0	0	0	6.57E-05
20	0	0	0	0.005326	0.000723	0	0	0	3.29E-05
21	3.29E-05	0	0	0.004931	0.000592	0	0	3.29E-05	0
22	9.86E-05	0	0	0.000953	0.000625	0	0	0	0
23	0	0	0	0	6.57E-05	0	0.000164	0.00046	0
24	0	0	0	0	0	0	0	6.57E-05	0
25	0	0	0	0	0	0	0	3.29E-05	0
26	0.001775	0	0	0.000493	0.004076	0	0	0.000197	0
27	0.000394	0	0	9.86E-05	0.000493	0	9.86E-05	0	0
28	0	0	0	0	0.002137	0	0	0	0
29	0.000362	0	0	0	0.000756	0	0	0.000164	0
30	6.57E-05	0	0	0	0.000263	0	0	3.29E-05	0
31	0.000131	0	0	0	0.001019	0	0.000493	0.001381	0
32	0	0	0	0.000329	3.29E-05	0	0	0	0
33	0	0	0	0.002235	0	0	0	0	6.57E-05
34	0	0	0	0.002005	0.00046	0	0	0	3.29E-05
35	0	0	0	6.57E-05	0	0	0	0.000164	0
36	0.003945	0	0	0	0	0	0	0	0
37	0	0	0	6.57E-05	0	0	0	0	0
38	0	0.002104	6.57E-05	6.57E-05	9.86E-05	0	0	0.001907	0
39	0	0	0	0	3.29E-05	0	0	0.000131	0
40	0	0	0	0	0	0	0	0.00023	0
41	0	0	0	0	0	0	0	0.001545	0
42	0	0	0	0.00046	0.001118	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0.002038	3.29E-05	0	0	0.003419	0	0	0.000329	0
49	0	0	0	3.29E-05	0.000427	0	0	0	0
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2		0	0	0	0.004307	0.002959	0	0	0
3		0	0	0	0	0.000756	0	0	0
4		0	0	0	0.000197	0.002531	0	3.29E-05	9.86E-05
5		0	0	0	0	0.001775	0	0	0.000197
6		0	0	0	0	0	0	0	0.00023
7		0	0	0	0	0	0	0	0
8		0	0	0	0	0	0	0	0
9		0	0	0	0.000164	6.57E-05	0	0	0.001414
10		0	0.000493	0	0	0	0	0	0.001907
11	0.000526	0	0	0	0.000329	0	0	0	0
12		0	0	0	0.000888	0.003024	0	0	0.000394
13		0	0	0	0	0	0	0	0.000197
14		0	0	0	0	0	0	0	0
15		0	0	0	9.86E-05	0	0	0	0
16		0	3.29E-05	0	3.29E-05	0	0	0	0
17		0	0	0	0.000164	0	0	0	0
18		0	0	0	3.29E-05	3.29E-05	0	0	0
19		0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0
21		0	0	0	0	0	0	0.000296	0
22		0	0.000164	0	0	0	0	0	0
23		0	0	0	0	0	0	0	9.86E-05
24		0	0	0	0	0	0	0	0
25		0	0	0	0	0	0	0	0
26		0	0	0	0	0	0	0	0
27		0	0	0	0	0	0	0	0
28		0	0	0	0	0	0	0.000164	0
29		0	0	0	0	0	0	0	0
30		0	0	0	0	0	0	0	0
31	0.000592	0	0	0	0.000592	0.001578	0	9.86E-05	0
32	0.00023	0	0	0	0.000657	0.001019	0	3.29E-05	9.86E-05
33		0	0	0	3.29E-05	0.000131	0	0	0
34		0	0	0	9.86E-05	0.001677	0	0	0.000131
35		0	0	0	9.86E-05	0.000526	0	0	0.000197
36		0	0	0	0.000164	0.002301	0	0	0
37		0	6.57E-05	0	0	0.00069	0	0	0
38		0	0	0	0	0.001545	0	0	0
39		0	0	0	6.57E-05	0.000953	0	0	9.86E-05
40	0.000625	0	0	0	6.57E-05	0.001085	0	0	0
41	0.001907	0	0	0	0.002005	0.000296	0	3.29E-05	9.86E-05
42	9.86E-05	0	0	0	0.000986	9.86E-05	0	0	0
43	0	0	0	0	0.000131	9.86E-05	0	3.29E-05	0
44	0.001972	0	0	0	0.000657	0.000526	0	0	0
45	0.00046	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0.000164	0	0	0	0	3.29E-05	0	0	0.000362
48	0.019593	0	0	0	0	0.000625	0	0	0
49	0.004011	0	0	0	0.001348	0.001216	0	0.000427	9.86E-05
50	9.86E-05	0	0	0	0.000427	0.000657	0	0	0
51	0.000855	0	0	0	0.001446	0.000888	0	6.57E-05	0
52	0.001972	0	0	0	0.002696	0.00263	0	0.000625	0.000131
53	0.000131	0	0	0	0.001118	0.00092	0	3.29E-05	0
54	6.57E-05	0	0	0	0.000986	0.002104	0	6.57E-05	0
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2	0	0	0	0.000394	0.001644	0	0	0	0
3	0	0	0.000131	0.000592	0.002498	0	0	0.00023	0
4	0	0	0	0.000888	0.002268	0	0	0	9.86E-05
5	0.000197	0	0	0.00263	0.000657	0	0	0.000164	0
6	0	0	0	0.002203	0.000657	0	3.29E-05	0.000822	0
7	0	0	0	0.00069	0.000526	0	0	0.000822	0
8	0.000263	0	0	0.001709	0.002433	0	0	0.000362	3.29E-05
9	0.000197	0	0	0.003057	0.001512	0	6.57E-05	0	3.29E-05
10	0	0	0	0.013774	0.003287	0	0	0	0
11	6.57E-05	0	0	0.001907	0.001611	0	3.29E-05	3.29E-05	0.000263
12	9.86E-05	0	0	0.001545	0.000493	0	0	0	6.57E-05
13	0	0	0	0.001578	0.001414	0	0.000131	0	6.57E-05
14	0	0	0	0.002268	0.001216	0	0.001118	0	0.000329
15	0.001216	0	0	0	0.002926	0	0	3.29E-05	0
16	0.000197	0	0	6.57E-05	0.00046	0	0	6.57E-05	0
17	3.29E-05	0	0	0.000263	0.00023	0	0	0	3.29E-05
18	6.57E-05	0	0	6.57E-05	0.000789	0	0	0	0
19	9.86E-05	0	0	0.00046	0.000427	0	0	0	0
20	0.000164	0	0	0.000131	0.000657	0	0	0	0
21	6.57E-05	0	0	0.000559	0.00046	0	0	0	3.29E-05
22	6.57E-05	0	0	0.00069	0.000131	0	0	0	0
23	6.57E-05	0	0	0.00069	0.000362	0	0	0	0
24	6.57E-05	0	0	0.000493	0.000559	0	0	0	0
25	3.29E-05	0	0	0.000855	0.000526	0	0	0	0
26	0.000362	0	0	0.000789	0.00069	0	0	0	6.57E-05
27	0	0	0	0	0	0	0	0.000131	0
28	3.29E-05	0	0	0.000164	3.29E-05	0	0	9.86E-05	0
29	0	0	0	0	0	0	0	0.000164	0
30	0	0	0	3.29E-05	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0.000263	0
33	0	0	0	0	0	0	0	3.29E-05	0
34	0	0	0	0	0	0	0	3.29E-05	0
35	0	0	0	0	0	0	0	0.000822	0
36	0	0	0	0	0	0	0	6.57E-05	0
37	0.00046	0	0	0.001446	0.001841	0	6.57E-05	0.000164	0
38	0.000822	0	0	0.001085	0.001644	0	0.000263	0	0
39	0.000131	0	0	0.001019	0.000427	0	0	0	0
40	0.001611	3.29E-05	0	0.000855	0.002334	0	0.000592	0.00023	0
41	0.000131	0	0	0.001677	0	0	0	3.29E-05	0
42	0.000526	0	0	0.000296	0.00023	0	0.000164	3.29E-05	0
43	0.000329	0	0	0.001414	0.000164	0	0	0	0
44	0.001414	0	0	0.000625	0.001085	0	0	0	0
45	0	0	0	0.006049	0.001118	0	0	0	0
46	3.29E-05	0	0	0.000427	0.000329	0	0	0	0
47	0	0	0	0.000986	9.86E-05	0	0	0	0
48	0	0	0	0.000362	0.000559	0	0	0	0

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2	0	0	0	0.000953	0.000625	0	0	0	0.00092
3	0	0	0	0.001907	0.002367	0	0	3.29E-05	0
4	0	0	0	0.001644	0.005391	0	0	0	0
5	0	0	0	0.000657	0.000592	0	0	0.000131	0
6	0	0	0	0.000855	0.00263	0	0	0	0
7	0.000756	0	0	6.57E-05	0.000164	0	0	0	0.000131
8	0.00046	0	0	3.29E-05	0.000526	0	3.29E-05	0.000197	0.000131
9	0	0	0	0.002729	0.000362	0	0.000263	0	0
10	0	0	0	6.57E-05	6.57E-05	0	0	6.57E-05	0
11	0	0	0	0.000131	9.86E-05	0	0	0	0
12	0.001019	0	0	0.003945	0.002926	0	0	0	0
13	6.57E-05	0	0	0	0.000197	0	0	0	3.29E-05
14	0.000164	0	0	3.29E-05	0.001479	0	0	0.000296	0
15	0.000131	0	0	0	0.000164	0.000131	0	0.001019	0
16	0.000197	0	0	0	0.000789	0	0	0	0
17	0.000329	0	0	0	0.001348	0	0	0	0
18	0.000197	0	0	0	0.000263	0	0	0	0
19	0.001578	0	0	0.000131	0.001019	0	0	0	6.57E-05
20	0.001545	0	0	6.57E-05	0.005326	0	0	0	0.000131
21	0.000329	0	0	6.57E-05	0.003813	0	0	0.000131	0
22	0.002268	0	0	0.000986	0.00263	0	0	0	6.57E-05
23	0.000756	0	0	3.29E-05	0.011736	0	0	6.57E-05	0
24	0	0	0	3.29E-05	9.86E-05	0	0	0.000131	0
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0	9.86E-05	0	0	0	0.000296	0	0	0	0
0	0.000789	0	0	0	0.000427	0	0	0	0
0	0	0	0	0	3.29E-05	0	0	0	0
0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	9.86E-05	0	0	0	0
0	0	0	0	0.000855	3.29E-05	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0.000526	0	0	0	0.001315	0	0	0	0
0	9.86E-05	0	0	0	0.000131	0	0	0	0
0	6.57E-05	0	0	0	0.000592	0	0	0	0
0	9.86E-05	0	0	0	3.29E-05	0	0	0	0
0	0.023143	0	9.86E-05	0	0.008942	0	0	0	0
0	0.003255	0	0	0	0.000789	0	0	0	0
0	0.001775	0	0	0	0.000296	0	0	0	0
0	0	0	0	0	0.001446	0	0	0	0
0	0	0	0	0	0.019494	0	0	0	0
0	0	0	0	0	0.000164	0	0	0	0
0	0	0	0	0	3.29E-05	0	0	0	0
0	9.86E-05	0	0	0	0.000197	0	0	0	0
0	0.001052	0	0	0	0.00092	0	0	0	0
0	0.000329	0	0	0	0.000592	0	0	0	0
0	0.000657	0	0	0	0.000197	0	0	0	0
0	0	0	0	0	0.000164	0	0	0	0
0	0	0	0	0	0.000131	0	0	0	0
0	0	0	0	0	6.57E-05	0	0	0	0
0	0	0	0	0	0.000197	0	0	0	0
0	3.29E-05	0	0	0	3.29E-05	0	0	0	0
0	0.000296	0	0	0	0	0	0	0	0
0	0	0	0	0	3.29E-05	0	0	0	0
0	3.29E-05	3.29E-05	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0.000723	0	0	0.00023	0.000789	0	0	0	0
0	0	0.00641	0	0	3.29E-05	0	0	0	0
0	6.57E-05	0	0	0	0	0	0	0	0
0	0	0	0	0	3.29E-05	0	0	0	0
0	9.86E-05	0.000789	0.001709	0	0	0	0	0	0
0	0	0	6.57E-05	0	9.86E-05	0	0	0	0
0	3.29E-05	0.004537	0.000888	0	0	0	0	0	0
0	0.00023	0.000855	0.000427	0	6.57E-05	0	0	0	0
0	6.57E-05	0.002597	0.003419	0	0	0	0	0	0
0	0.000526	0	3.29E-05	0	0.000164	0	0	0	0
0	0.000164	3.29E-05	0.000822	0	0.000822	0	0	0	0
0	3.29E-05	0	0	0	0	0	0	0	0

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2	0	0	0	0.000394	0	3.29E-05	0	0
3	0	6.57E-05	0	0	0	0.000131	0	0
4	0	0	0	0	0	3.29E-05	0	0
5	0	3.29E-05	0	0	0	0.000296	0	0
6	0	0	0	0	0	3.29E-05	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	9.86E-05	0	0
10	0	3.29E-05	0	0	0	0	0	0
11	0	0	0	0	0	3.29E-05	0	0
12	0	0	0	0	0	0	0	0
13	0	0.00503	0	0	0	0.003419	0	0
14	0	0	0	0	0	0	0	0
15	0	0.00046	0	0	0	0.000329	0	0
16	0	0.00023	0	0	0	0	0	0
17	0	0.000131	0.00046	0.000394	0	0	0	0
18	0	0.001414	0.001348	0	0	0.000131	0	0
19	0	0	3.29E-05	0	0	0	0	0
20	0	0	0	0	0	0	0	0
21	0	0	0	0	0	3.29E-05	0	0
22	0	0.000362	0	0	0	0	0	0
23	0	0.000723	0	0	0	0.00069	0	0.000197
24	0	0	0	0	0	0.000164	0	0
25	0	3.29E-05	0	0	0	3.29E-05	0	0
26	0	0	0	0	0	0	0	0
27	0	0.00046	0	0	0	0.000263	0	0
28	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0.012722	0	0
30	0	0	0	0	0	0.004011	0	0
31	0	0.000362	3.29E-05	0	0	0	0	0
32	0	0	0	0	0	0	0	0
33	0	0	0	0	0	9.86E-05	0	0
34	0	0.000197	0	0	0	0.000164	0	0
35	0	0.00069	0	0	0	0.000526	0	0
36	0	0	0	0	0	0.000197	0	0
37	0	0	0	0	0	3.29E-05	0	0
38	0	3.29E-05	0	0	0	9.86E-05	0	0
39	0	0	0.000197	0	0	0	0	0
40	0	0.023406	0	0	0	0.011868	0	0
41	0	0	6.57E-05	0.000493	0	0.001972	0	0
42	0	0	0.000723	0	0	0.001677	0	0
43	0	0.000789	0	0	0	0.000394	0	0
44	0	9.86E-05	0	0.000131	0	0.000131	0	0
45	0	0.000131	0	0	0	0	0	0
46	0	0.012624	0	0	0	0.009238	0	0
47	0	0	0	0	0	3.29E-05	0	0
48	0	3.29E-05	0	0	0	0.000362	0	0
49	0	0	0	0	0	9.86E-05	0	0

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2	0	0	0	0	0	3.29E-05	0	0	0
3	0	0	0	0	0	0.000197	0	0	0
4	0	0	0	0	0	6.57E-05	0	0	0
5	0	0.000197	0.00069	0.000164	0	0.000197	0	0	0
6	0	3.29E-05	0	0	0	9.86E-05	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0.000164	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	3.29E-05	0	0	0
11	0	0	0	0	0	3.29E-05	0	0	0
12	0	0.000197	0	0	0	3.29E-05	0	0	0
13	0	0	0	0	0	0.000131	0	0	0
14	0	0.004214	0	0	0	0.003582	0	0	0
15	0	0.000657	0	3.29E-05	0	0.001677	0	0	0
16	0	0.000822	0	0	0	3.29E-05	0	0	0
17	0	0.000953	0	0	0	6.57E-05	0	0	0
18	0.000296	6.57E-05	0	0	0	0.004668	0	0	0
19	0	0.000197	0	0	0	0.000197	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	9.86E-05	0	0	0	0.000329	0	0	0
22	0	0.002761	0	0	0	9.86E-05	0	0	0
23	0	0.000427	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	3.29E-05	3.29E-05	0	0	0	0	0	0
26	0	3.29E-05	0	0	0	0	0	0	0
27	0	3.29E-05	0	0	0	6.57E-05	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0.000394	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0.000131	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	9.86E-05	0	0	0
34	0	0.000263	0	0	0	0.000493	0	0	0
35	0	0.00023	0	0	0	9.86E-05	0	0	0
36	0	0	0	0	0	3.29E-05	0	0	0
37	0	0	0	0	0	6.57E-05	0	0	0
38	0	0.000197	0	0	0	3.29E-05	0	0	0
39	0	0	0	0.00092	0	0	0	0	0
40	0	0	0	0.000296	0	9.86E-05	0	0	0
41	0	0	0	0.000789	0	6.57E-05	0	0	0
42	0	0.000131	0.002268	0.000362	0	3.29E-05	0	0	0
43	0	0.004076	0.000559	0.001019	0	0.001808	0	0	0
44	0	0	0.00023	6.57E-05	0	0	0	0	0
45	0	3.29E-05	0.00023	0	0	0.000197	0	0	0
46	0	9.86E-05	0.000197	0	0	0	0	0	0
47	0	0	0.000427	0	0	0	0	0	0
48	0	0.000362	0.000296	0	0.000131	0	0	0	0
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2	0	0	6.57E-05	0	0	0.000131	0	0
3	0	3.29E-05	0	0	0	0	0	0
4	0	6.57E-05	0	0	0	3.29E-05	0	0
5	0	0	0	0	0	9.86E-05	0	0
6	0	0	0	0	0	9.86E-05	0	0
7	0	0.000164	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0.000296	0	0	0	9.86E-05	0	0
10	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0
14	0	0.015878	0	0	0.000855	0.012755	0	0
15	0	0	0	0	0	0.000131	0	0
16	0	0.000723	0	0	0	0.000329	0	0
17	0	0.001808	0	0	0	0.001085	0	0
18	0	0	0	0	0	3.29E-05	0	0
19	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0.000592	0	0
22	0	0.001052	0	0	0	0.000427	0	0
23	0	0.001611	0	0	0	0.001414	0	0
24	0	0.000197	0	0	0	3.29E-05	0	0
25	0	0.000888	0.000657	0.000263	0	3.29E-05	0	0
26	0	0.00046	0.00046	0	0	0	0	0
27	0	0.000493	0.000131	0	0	3.29E-05	0	0
28	0	0.001775	0	0	0	0.000789	0	0
29	0	0.001249	0	0	0	0.000329	0	0
30	0	0.002466	0	0	0	0.000329	0	0
31	0	0.006213	0	0	0	0.001742	0	0
32	0	9.86E-05	0	0	0	0.001019	0	0
33	0	6.57E-05	0	0	0	0.000164	0	0
34	0	0.003287	0	0	0	0.000164	0	0
35	0	0.016536	0	0	0	0.002433	0	0
36	0	0.002268	3.29E-05	0.000164	0	0	0	0
37	0	0	0	0	0	0.000296	0	0
38	0	0.001545	0	0	0	0.003781	0	0
39	0	3.29E-05	0	0	0	9.86E-05	0	0
40	0	0.000263	0	0	0	0.00023	0	0
41	0	6.57E-05	0	0	0	0.000131	0	0
42	0	6.57E-05	0	0	0	0	0	0
43	0	0	0	0	0	0.000296	0	0
44	0	0.000362	3.29E-05	0	0	9.86E-05	0	0
45	0	0	0	0	0	3.29E-05	0	0
46	0	0	0	0	0	0.000164	0	0
47	0	0	0	0	0	9.86E-05	0	0
48	0	3.29E-05	0	0	0	0	0	0
49	0	0.000756	0	0	0.000329	0.000329	0	0
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2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
4	0	0.004438	0	0	0	0.001841	0	0
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	0.000953	0	0	0	0.00046	0	0
9	0	0.000296	0	0	0	0.000131	0	0
10	0	0	0	0	0	3.29E-05	0	0
11	0	0	0	0	0	9.86E-05	0	0
12	0	0	0	0	0	0.000526	0	0
13	0	0	0	0	0	0	0	0
14	0	0.000756	0	0	0	0	0	0
15	0	9.86E-05	0	0	0	0.00023	0	0
16	0	0.000263	0	0	0	0	0	0
17	0	0.000164	0.00046	0.000131	0	9.86E-05	0	0
18	0	0.000131	0.000822	0.000197	3.29E-05	9.86E-05	0	0
19	0	0.001808	0	0	0	0.000559	0	0
20	0	0.000723	0	0	0	0.000723	0	0
21	0	0.000822	0	0	0	0.000296	0	0
22	0	0	0	0	0	0.000625	0	0
23	0	0.001808	0	0	0	0.001085	0	0
24	0	0	0	0	0	0	0	0
25	0	0.000493	0	0	0	0.000394	0	3.29E-05
26	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0
28	0	0.000986	0	0	0	0.000394	0	0
29	0	0.008416	0	0	0	0.001841	0	0
30	0	0.001644	0	0	0	0	0	0
31	0	0	9.86E-05	0	0	0.000592	0	0
32	0	0	0	0	0	6.57E-05	0	0
33	0	0.000362	0	0	0	0.000394	0	0
34	0	0.00023	0	0	3.29E-05	0.000296	0	0
35	0	6.57E-05	0	0	0	0	0	0
36	0	0.000296	0	0	0	6.57E-05	0	0
37	0	0.000625	0	0	0	0	0	0
38	0	0.000329	0	0	0	0.000493	0	0
39	0	0.00046	0	0	0	9.86E-05	0	0
40	0	0	0	0	0.00046	0	0	0
41	0	0	0	0	0	0	0	0
42	0	0.000362	9.86E-05	0.000362	0	9.86E-05	0	0
43	0	3.29E-05	0.000131	6.57E-05	0	0	0	0
44	0	0	3.29E-05	0.000263	0.00023	0	0	0
45	0	0.000296	0.004668	0	0	0	0	0
46	0	0.00023	0.000394	0.000625	0	0	0	0
47	0	0.000197	0.000789	0.001348	0	3.29E-05	0	0
48	0	0.000164	0.000329	0.000427	0	0	0	0
49	0	0	0.000427	0.000756	0	0.005227	0	0
50	0	0.003189	0	6.57E-05	0	0.001874	0	0
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2	0	0.000329	0	0.000131	0	0.000493	0	0
3	0	0.000164	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	6.57E-05	0	0	0	0	0	0
6	0	0.000953	0	0	0	0	0	0
7	0	0.002992	0	0	0	0.000263	0	0
8	0	0.000394	0.000296	0	0	0.00023	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0
12	0	0.001183	0	0	0	0.000789	0	0
13	0	0.000756	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0
16	0	0.00789	0	0	0	0.00092	0	0
17	0	0	0	0	0	0.000592	0	0
18	0	0	0	0	0	0.000592	0	0
19	0	0.000131	0	0	0	0.000263	0	0
20	0	3.29E-05	0	0	0	9.86E-05	0	0
21	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0
24	0	0	0	0	0	9.86E-05	0	0
25	0	0	0	0	0	0	0	0
26	0	0	0	0	0	3.29E-05	0	0
27	0	0.000329	0	0	0	3.29E-05	0	0
28	0	0.000394	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0
30	0	0.000197	0	0	0	0.000197	0	0
31	0	9.86E-05	0	0	0	0	0	0
32	0	0	0	0	0	6.57E-05	0	0
33	0	0.001052	0	0	0	0.000296	0	0
34	0	3.29E-05	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0
36	0	3.29E-05	0	0	0	0	0	0
37	0	0.00069	0	0	0	0.000362	0	0
38	0	6.57E-05	0	0	0	0	0	0
39	0	6.57E-05	0.000164	0	0	0	0	0
40	0	0.000559	0.000329	0	0	0.000197	0	0
41	0	0.000986	0	0	0	0.000723	0	0
42	0	0	6.57E-05	0	0	0	0	0
43	0	0.001183	0	0	0	0	0	0
44	0	0.00069	0	0	0	0	0	0
45	0	0	0	0	0	0.000131	0	0
46	0	0	0	0	0	0.000329	0	0
47	0	0	0	0	0	0.001085	0	0
48	0	0.000164	0.000362	0	0	0.000131	0	0
49	0	0.000756	6.57E-05	6.57E-05	0	0.000131	0	0
50	0	0	0.000526	0.000164	0	0	0	0
51	0	0.000197	0.000296	0	0	0	0	0
52								
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2	0	3.29E-05	0.000822	0.000197	0.000625	0	0	0	0
3	0	0	0.001052	6.57E-05	0	3.29E-05	0	0	0
4	0	0.000164	0.000164	3.29E-05	0	0.000131	0	0	0
5	0	0.0024	0	0	0	3.29E-05	0	0	0
6	0	0.00023	0	0	0	0.000362	0	0	0
7	0	0.00069	0	0.000164	0	0.00023	0	0	0
8	0	0.000625	0.004602	0	0	0	0	0	0
9	0	0.000625	0.002301	0	0	0.000164	0	0	0
10	0	0.002137	0.003287	0	0	0.00023	0	0	0
11	0	0.00023	0.001578	0	0	0	0	0	0
12	0	0.000427	0.00023	0	0	6.57E-05	0	0	0
13	0	0.000329	0.001414	0	0	0.000197	0	0	0
14	0	0.000329	0.003156	0	0	9.86E-05	0	0	0
15	0	0	0.003024	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0.000296	0	0	0	3.29E-05	0	0	0
18	0.000131	0.000986	0	0	0	0.000526	0	0	0
19	0	6.57E-05	0	0	0	0	0	0	0
20	0	0	0	0	0	0.000164	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0.000329	0	0	0	0.000131	0	0	0
29	0	0	0	0	0	0.000329	0	0	0
30	0	6.57E-05	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0.000131	0	6.57E-05	0	0	0	0	0
36	0	0.000296	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0.000789	0	0	0	0.000164	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0.001118	0	0	0	0	0
41	0	0	0	6.57E-05	0	0	0	0	0
42	0	0.000362	0	0	0	0	0	0	0
43	0	0.005161	0	0	0	0.000657	0	0	0
44	0	0.002367	0	0	0	0.00046	0	0	0
45	0	0.000263	0	0	0	0	0	0	0
46	0	0.001578	0	0	0	0.002268	0	0	0
47	0	0	0	0	0	3.29E-05	0	0	0
48	0	0	0	0	0	9.86E-05	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0.002235	0	0	0
51	0	0	0	0	0	0.000296	0	0	0
52	0	0.001742	0	0	0	0	0	0	0
53	0	0.000131	0	3.29E-05	0	0	0	0	0

1								
2	0	0	0	6.57E-05	0	0	0	0
3	0.000164	0	0	0.000164	0	0.000427	0	0
4	0	0.000723	0.00023	6.57E-05	0	0	0	3.29E-05
5	0	0	0	0	0	0.000131	0	0
6	0	0.000131	0	0	0	0.00023	0	0
7	0	0.000131	0	0	0	0.000164	0	0
8	0	0	0	0	0	6.57E-05	0	0
9	0	0.000131	0	0	0	0.000131	0	0
10	0	3.29E-05	0	6.57E-05	0	0.000263	0	0
11	0	0	0	0	0	6.57E-05	0	0
12	0	0	0	0	0	9.86E-05	0	0
13	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0
17	0	0.000329	0	0	0	0.000625	0	0
18	0	3.29E-05	0	0	0	3.29E-05	0	0
19	0	6.57E-05	0	0	0	0	0	0
20	0	3.29E-05	0	0	0	0	0	0
21	0	0	0	3.29E-05	0	3.29E-05	0	0
22	0	0	0	0	0	0.000789	0	0
23	0	0	0	0	0	0.000263	0	0
24	0	9.86E-05	0	0	0	6.57E-05	0	0
25	0	0.00046	0	0	0	0.000263	0	0
26	0	0	0	0	0	0	0	0
27	0	3.29E-05	0	0	0	0.000263	0	0
28	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0
31	0	0	0	0	0	3.29E-05	0	0
32	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0
34	0	9.86E-05	0	0	0	6.57E-05	0	0
35	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0
37	0	0.000263	0	0	0	6.57E-05	0	0
38	0	6.57E-05	0	0	0	0	0	0
39	0	0.001085	0	0.000197	0	0	0	0
40	0	0.000855	0	0	0	0.000427	0	0
41	0	0	0	0	0	0.000362	0	0
42	0	0	0	0	0	0.000164	0	0
43	0	0.000986	0	0	0	0.000756	0	0
44	0	3.29E-05	3.29E-05	0.001019	0	0.000756	0	0
45	0	0.000888	0.000625	0	0	0.001742	0	0
46	0	0	0	0	0	0.000526	0	0
47	0	0	0	3.29E-05	0	0.003682	0	0
48	0	0.000625	0	0	0	0.000394	0	0
49	0	3.29E-05	0	0	0	0	0	0
50	0	3.29E-05	0	0.000427	0	0	0	0
51	0	0	0	0.001282	0	0	0	0
52	0	9.86E-05	0	0	0	0.000164	0	0
53	0	0.001874	3.29E-05	0	0	0.008843	0	0
54	0	0.004668	0	0	0	0.001315	0	0
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2	0	0	0	0	0	0	0	0	0
3	0	0	0.000362	9.86E-05	0	0.001446	0	0	0
4	0	0.002334	0	0	0.000131	0.000723	0	0	0
5	0	0.001249	0	0	0	0.000526	0	0	0
6	0	0.000855	0	0	0	0.000296	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0.000263	0	0	0	0.00023	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0.000197	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	6.57E-05	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	9.86E-05	0	0	0	3.29E-05	0	0	0
19	0	0.000263	0	0	0	0.000131	0	0	0
20	0	0	0	0	0	0.00023	0	0	0
21	0	9.86E-05	0	0	0	0.000131	0	0	0
22	0	0.000197	0	0	0	0.000427	0	0	0
23	0	0.001479	0	0	0	0.000789	0	0	0
24	0	0.000625	0	0	0	0.000164	0	0	0
25	0	0.00046	0	0	0.000329	0.000493	0	0	0
26	0	0.001118	0	0	0	0.000197	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0.001611	0	0	0	0.000197	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0.001545	0.000394	3.29E-05	0	0.000394	0	0	0
31	0	0.000131	0.000625	9.86E-05	0	0.000263	0	0	0
32	0	0.00023	0.00023	0.000329	0	0.000131	0	0	0
33	0	0	0	0.001512	0	3.29E-05	0	0	0
34	0	6.57E-05	0.000855	0.000394	0	3.29E-05	0	0	0
35	0	0.00023	0	6.57E-05	0	0.000131	0	0	0
36	0	6.57E-05	0.001151	0.000131	0	6.57E-05	0	0	0
37	0	0.000131	3.29E-05	3.29E-05	0	0	0	0	0
38	0	0.000131	0.000197	0.000526	0	3.29E-05	0	0	0
39	0	0.000131	0	0	0	3.29E-05	0	0	0
40	0	3.29E-05	0.000888	0.00046	0	3.29E-05	0	0	0
41	0	0.006279	0.002268	0.000888	0	0.001151	0	0	0
42	0	0	0.000427	0	0	0	0	0	0
43	0	0	0.005326	0.001808	0	0.00069	0	0	0
44	0	0.000756	0.001742	0.001052	0	0.002104	0	0	0
45	0	0.00046	0.001512	0.000888	0	0.000197	0	0	0
46	0	0.000756	0.000296	0.001742	0	0	0	3.29E-05	0
47	0	0.007199	0.000197	0	0	0.002071	0	0	9.86E-05
48	0	0.006871	0	0	0	0.001677	0	0	0
49	0	0.000263	0	6.57E-05	0	0.001249	0	0	0
50	0	0.001808	0	0	0.000296	0.030967	0	0	0
51									
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2	0	0.000427	0	0	0	0.000296	0	0	0
3	0	0.00069	0	0	0	0	0	0	0
4	0	0.000164	0	0	0	0.000197	0	0	0
5	0	3.29E-05	0	0	0	0	0	0	0
6	0.000263	0.000296	0	0	0	0.000625	0	0	0
7	0	0	0.000592	0.000756	0	6.57E-05	0	0	0
8	0	0.000855	0.001151	0	0	0.00023	0	0	0
9	0	6.57E-05	6.57E-05	0	0	0.000164	0	0	0
10	0	0.000131	0.003386	0.004142	0	0.000131	0	0	0
11	0	3.29E-05	0.000625	0.00069	0	0	0	0	0
12	0	6.57E-05	0.000953	0.001348	0	0	0	0	0
13	0	0	0.00023	6.57E-05	0	6.57E-05	0	0	0
14	0	3.29E-05	0.003386	0.00023	0	0	0	0	0
15	0	0.000986	0	0	0	0.000329	0	0	0
16	0	0.000197	0	0	0	0.000329	0	0	0
17	0	0.000427	0	0	0	0.00046	0	0	0
18	0	0.000263	0.000362	0	0	0.000625	0	0	0
19	0	0	0	0	0	0.000592	0	0	0
20	0	0	0	0	0	3.29E-05	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0.000427	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	9.86E-05	0	0	9.86E-05	9.86E-05	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0.000493	0.000131	0.000723	0	0.000493	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	3.29E-05	0	0.000164	0	0	0
29	0	0	0	0.00023	0	6.57E-05	0	0	0
30	0	0.00046	0	6.57E-05	0	0	0	0	0
31	0	0.002959	0	9.86E-05	0	0.001348	0	0	0
32	0	3.29E-05	0	0	0	0	0	0	0
33	0	0	0	0	0	3.29E-05	0	0	0
34	0	3.29E-05	3.29E-05	0	0	0	0	0	0
35	0	0.000296	0	0	0	0.001019	0	0	0
36	0	0.00046	0	0	0	0.00046	0	0	0
37	0	0.000164	0	0	0	0	0	0	0
38	0	9.86E-05	0	0	0	0.029258	0	0	0
39	0	0.000559	0	0	0	0.000164	0	0	0
40	0	0.00023	0	0	0	3.29E-05	0	0	0
41	0	0.004833	0	0	0	0.001151	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0.000131	0	0	0	0	0	0	0
45	0	3.29E-05	0	0	0	3.29E-05	0	0	0
46	0	0	0	0	0	9.86E-05	0	0	0
47	0	0.001644	0	0	0	0.000263	0	0	0
48	0	9.86E-05	0	0	0	0.000197	0	0	0

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2	0	0	0	0.001512	0	3.29E-05	0	0
3	0	0	0	0.001874	0	0	0	0
4	0	0.000197	0	0.005063	3.29E-05	0.000131	0	0
5	0	0	0	6.57E-05	0	0.000164	0	0
6	0	0.000197	0	0.000888	0	0.000263	0	0
7	0	0	0	0	0	9.86E-05	0	0
8	0	0.003616	0	0	0	0.000888	0	0
9	0	0.006115	0	6.57E-05	0	0.002696	0	0
10	0	0.001216	0	0	0	0.000394	0	0
11	0	0.00069	9.86E-05	0	0	0.00046	0	0
12	0	6.57E-05	0	0	0	6.57E-05	0	0
13	0	6.57E-05	0	0	0	0	0	0
14	0	0.004865	0	0	0	6.57E-05	0	0
15	0	0.004142	0	3.29E-05	0	0.002071	0	0
16	0	3.29E-05	3.29E-05	0	0	0.000559	0	0
17	0	0.001183	0	0	0	0.002827	3.29E-05	6.57E-05
18	0	0.00046	0	0	9.86E-05	0.00069	0	0
19	0	0.001742	0	0	0	0.000394	0	0
20	0	0.000362	0	0	0	0.00046	0	0
21	0	0	0	0	0	0.000164	0	0
22	0	0.001545	0	0	0	0.000592	0	0
23	0	3.29E-05	0	0	0	0.000131	0	0
24	0	0.000263	0	0	0	0.001446	0	0
25	0	0	0	0	0	0.00023	0	0
26	0	0	0	0.000493	0	0	0	0
27	0	0	0	0	0	0.000559	0	0
28	0	0	0	0	0	0	0	0
29	0	0.00092	0.000131	0	0	0.000986	0	0
30	0	0.00217	0.001644	0	0	0.000197	0	0
31	0	3.29E-05	0	0	0	0.000131	0	0
32	0	0.001118	0	0	0	0.000493	0	0
33	0	9.86E-05	0	0	0	0	0	0
34	0	0.000329	0	0	0	3.29E-05	0	0
35	0	3.29E-05	0	0	0	3.29E-05	0	0
36	0	0.000164	0	0	0	9.86E-05	0	0
37	0	9.86E-05	0	0	0	9.86E-05	0	0
38	0	0	0.003189	0	0	0.000131	0	0
39	0	0	0	0	0	0.002038	0	0
40	0	0	0	0	0	3.29E-05	0	0
41	0	0.001052	0	0	0	0.00046	0	0
42	0	0	0	0	0	3.29E-05	0	0
43	0	0.001151	0.001677	0.004339	0	0.00023	0	0
44	0	0	0.000263	0.000131	0	0.000592	0	0
45	0	0.00023	0.002696	0.001052	0	0.000164	0	0
46	0	0.001052	0.003123	0.004504	0	0.000197	0	0
47	0	0	0.000329	0.000131	0	0.002203	0	0
48	0	9.86E-05	9.86E-05	0	0	0	0	0
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2	0	3.29E-05	0	0	0	0.000493	0	0
3	0	0.002663	0	3.29E-05	0	0.000296	0	0
4	0	9.86E-05	0	6.57E-05	0	0	0	0
5	0	0.000329	0	9.86E-05	0	0.000131	0	0
6	0	0.000855	0.000197	0	0.000131	0.000625	0	0
7	0	0.003353	6.57E-05	0.00023	0	0.000789	0	0
8	0	9.86E-05	0.001052	0.00332	0	0.000263	0	0
9	0	0.000263	0.001118	0.001972	0	9.86E-05	0	0
10	0	0	0	0.000362	0	0.000131	0	0
11	0	0	0.000164	0.0024	0	3.29E-05	0	0
12	0	3.29E-05	0.000296	0.000263	0	0.000197	0	0
13	0	9.86E-05	0	0	0	3.29E-05	0	0
14	0	0.000131	0	0	0	0	0	0
15	0	0.000789	0	0	0	0.000197	0	0
16	0	0.000164	0	0	0	0.000164	0	0
17	0	0	0	3.29E-05	0	0	0	0
18	0	0	0	0	0	3.29E-05	0	0
19	0	0	0	6.57E-05	0	0	0	0
20	0	0	0	3.29E-05	0	0	0	0
21	0	0.000263	0	0	0	0.00023	0	0
22	0	9.86E-05	0	0	0	3.29E-05	0	0
23	0	0	0	0	0	0	0	0
24	0	0	0	6.57E-05	0	0	0	0
25	0	0	0	6.57E-05	0	0	0	0
26	0	6.57E-05	0	0	0	0	0	0
27	0	0	0	6.57E-05	0	3.29E-05	0	0
28	0	0.000427	0	0	0	0.000197	0	0
29	0	0.000263	0	0	0	6.57E-05	0	0
30	0	0.000329	0	0	0	6.57E-05	0	0
31	0	3.29E-05	0	0	0	6.57E-05	0	0
32	0	0	0	0	0	0	0	0
33	0	0.000493	0	0	0	9.86E-05	0	0
34	0	0	0	0	0	0	0	0
35	0	0.000625	0	0	0	6.57E-05	0	0
36	0	0.001151	0	0	0	0.000263	0	0
37	0	0	0	0	0	0	0	0
38	0	0.001348	0.000296	3.29E-05	0	0.000394	0	0
39	0	0	0.000263	9.86E-05	0	3.29E-05	0	0
40	0	0	0.00023	0	0	0	0	0
41	0	0.001709	0.000888	0.000986	0	0.00069	0	0
42	0	0.000986	0.001282	0	0	0.000164	0	0
43	0	0.000131	0.002038	0	0	0.000263	0	0
44	0	6.57E-05	0	0	0	3.29E-05	0	0
45	0	3.29E-05	0	0.00023	0	9.86E-05	0	0
46	0	0	0	0	0	0.000362	0	0
47	0	0.00023	6.57E-05	0	0	0.000164	0	0
48	0	3.29E-05	0	0	0	6.57E-05	0	0
49	0	3.29E-05	0	0	0	9.86E-05	0	0
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0	0.001019	0	0	0	0	0	0	0
0	0.000197	0	0	0	0.000296	0	0	0
0	0	0	0	0	9.86E-05	0	0	0
0	0.000822	0	0	0	0.000427	0	0	0
0	3.29E-05	0	0	0	6.57E-05	0	0	0
0	0	0	0.000986	0	9.86E-05	0	0	0
0	0.001052	0	0.001972	0	9.86E-05	0	0	0
0	0	0	0.000131	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	9.86E-05	0	0	0
0	9.86E-05	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0.001644	3.29E-05	3.29E-05	0	0.000197	0	0	0
0	0.001479	3.29E-05	0.000197	0	0.001644	0	0	0
0	3.29E-05	0.000362	0	0	0	0	0	0
0	0	0.000131	3.29E-05	0	6.57E-05	0	0	0
0	0.000131	3.29E-05	0	0	0.000164	0	0	0
0	0.000131	0.000526	0.000329	0	0.000131	0	0	0
0	3.29E-05	0.000263	0.000131	0	0	0	0	0
0	0	9.86E-05	0	0	0	0	0	0
0	0	0.000789	0	0	0	0	0	0
0	0.000625	0.000427	0.000723	0	0.000362	0	0	0
0	0.000131	6.57E-05	0	0	6.57E-05	0	0	0

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4	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
5	0.000296	0.000296	0	3.29E-05	0	0	0	0	0
6	0.000131	3.29E-05	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	6.57E-05	0	0	0	0	0	3.29E-05	0	0
9	0	0	0	0	0	3.29E-05	0	0	0
10	0	0	0	0	0	0	0	0	0
11	3.29E-05	0	0	0	0	0.000164	0	0	0
12	6.57E-05	0	0	0	0	3.29E-05	0	0	0
13	0.002005	0.000822	0	3.29E-05	0	0	0.000493	0	0
14	6.57E-05	0.000197	0	3.29E-05	0	3.29E-05	0	3.29E-05	0
15	0.00023	0	0	0	0	0	0	0	0
16	6.57E-05	0	0	0.001151	0	3.29E-05	0	9.86E-05	0
17	0.009172	0.001775	0	0.000526	0	0	0	0.000131	0.000427
18	0.000526	9.86E-05	0	0.01601	0	0.001019	0	0.005293	0
19	0.000756	0.000394	0	0.00595	0	0.000526	0	0.002104	0
20	0.002104	0	0	0.001249	0	6.57E-05	0	9.86E-05	0
21	0.032611	0.004931	0	0.044479	0	0.002827	0	0.023571	0
22	0	0	0	0	0	0	0	0	0
23	0	3.29E-05	0	0.001052	0	0.000197	0	0.000263	0
24	0.000394	9.86E-05	0	0.000822	0	0	0	0.000164	0
25	0.000723	0.000263	0	0	0	0	0	3.29E-05	0
26	0.000164	3.29E-05	0	9.86E-05	0	0	0	0.000131	0
27	0.000427	0.000493	0	0	0	0	0	0	0
28	0	0	0	0	0	3.29E-05	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	9.86E-05	0	0	0	0	0	0	0
32	0	0	0	0	0	0	3.29E-05	0	0
33	0	0	0	0.001972	0	0.000164	0	0.002203	0
34	0	0	0	0.003222	0	0.00046	0	0.007594	0
35	0.000197	0	0	0.002268	0	0.000164	0	0.001874	0
36	0.000131	9.86E-05	0	0.007265	0	9.86E-05	0	0.00092	0
37	0.000197	0	0	0	0	0	0	0.000723	0
38	0.002531	0.000427	0	0.002827	0	0.000855	0	0.002564	0
39	3.29E-05	3.29E-05	0	0.001611	0	0.002466	0	0.019856	0
40	0	0	0	0.000164	0	0.00023	0	0.004833	0
41	0	0	0	0.000131	0	0.002531	0	0.06542	0
42	9.86E-05	0.000164	0	3.29E-05	0	0.000131	0	3.29E-05	0
43	0.000789	0.000493	0	0.001019	0	0.001611	0	0.000329	0
44	0	0	0	0.000526	0	0.000986	0	0.000723	0
45	0	0.000329	0	6.57E-05	0	0.000263	0	0.000559	0
46	0	9.86E-05	0	0.00355	0	0.000559	0	0.00046	0
47	0.000197	0	0	0	0	0	0	0.000164	0
48	0.000657	0.000559	0	0	0	6.57E-05	0	0.000197	0
49	0	0	0	0.00023	0	0.000197	0	0.002992	0
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2	0	0	0	0.000164	0	0	0	3.29E-05
3	6.57E-05	0.000131	0	0.00046	0	0	0	0.000131
4	0	6.57E-05	0	3.29E-05	0	0	0	0.000197
5	6.57E-05	6.57E-05	0	0.005293	0	0	0	3.29E-05
6	0	0	0	0	0	0	0	6.57E-05
7	0	0	0	0.000263	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0.000131	3.29E-05	0	0	0	0	0	0
10	0	0	0	0.000592	0	3.29E-05	0	6.57E-05
11	0	0	0	0.001085	0	9.86E-05	0	0.000394
12	9.86E-05	6.57E-05	0	6.57E-05	0	0	0	3.29E-05
13	0.001611	0	0	0	0	0	0	0
14	0	0	0	3.29E-05	0	0	0	0
15	0.00023	0	0	0	0	0	0	0
16	0.00023	0	0	0	0	0	0	0
17	0	0	0	0.001775	0	9.86E-05	0	0
18	0.001183	0	0	0.001414	0	0	0	0.001282
19	0	0	0	0.000329	0	0	0	0
20	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0
22	9.86E-05	0	0	3.29E-05	0	0.000131	0	0.000493
23	0.000559	0	0	0	0	0.000263	0	0.001808
24	0	0	0	0	0	0	0	3.29E-05
25	6.57E-05	0	0	6.57E-05	0	0	0	6.57E-05
26	0	0	0	0	0	0.001052	0	0.003419
27	0.000362	0.000131	0	0.000427	0	0.000329	0	0.003945
28	0	0	0	0.000559	0	0	0	0.001742
29	0.015977	0.001611	0	0.000131	0	0.000131	0	0.007956
30	0.006443	0.000362	0	0	0	0	0	3.29E-05
31	0.000329	6.57E-05	0	0.002268	0	0.000131	0	0.002301
32	0	0	0	0	0	6.57E-05	0	0.000559
33	3.29E-05	0	0	0	0	6.57E-05	0	0.00023
34	0.000296	9.86E-05	0	0	0	0	0	0.000197
35	0.000394	0.000131	0	0	0	0	0	6.57E-05
36	0	0	0	0	0	0	0	9.86E-05
37	3.29E-05	0	0	0	0	0	0	0.000625
38	0.000296	0	0	0	0	3.29E-05	0	0.000362
39	0.000822	0	0	0.009303	0	3.29E-05	0	0.001414
40	0.003485	0.001874	0	0	0	0	0	3.29E-05
41	0.000329	0	0	0.003156	0	0.000197	0	0.003287
42	0.00023	0	0	0.002597	0	0.000953	0	0.003024
43	3.29E-05	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0
45	9.86E-05	6.57E-05	0	6.57E-05	0	0	0	3.29E-05
46	0.00457	0.001611	0	6.57E-05	0	0	0	0
47	0.003189	0.001644	0	0	0	0	0	0
48	0.000362	0	0	0.007101	0	0.001282	0	0.000197
49	0	0	0	0	0	0	0	6.57E-05
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2	3.29E-05	0	0	0	0	6.57E-05	0	0
3	0	0	0	6.57E-05	0	3.29E-05	0	6.57E-05
4	0	0	0	0	0	3.29E-05	0	0
5	0.000592	0.000131	0	0.000986	0	0.000592	0	0.001874
6	0	0	0	0	0	0.000296	0	0
7	0	6.57E-05	0	0.000394	0	0	0	0
8	0	0	0	3.29E-05	0	0	0	3.29E-05
9	3.29E-05	0	0	0	0	0	0	6.57E-05
10	0	0	0	0.000394	0	0	0	0
11	3.29E-05	0.000131	0	0.002235	0	0	0	0
12	6.57E-05	0.000164	0	0.000427	0	0	0	0
13	3.29E-05	0	0	0.000493	0	0	0	3.29E-05
14	0.000913	0.000211	0	0	0	0	0	0
15	0.001348	0	0	0.000789	0	9.86E-05	0	0.005884
16	0.00092	0.000296	0	6.57E-05	0	0	0	0.001151
17	0.000888	0.000164	0	0	0	0.000197	0	0.000822
18	0.005589	0.001085	0	0	0	6.57E-05	0	0.019988
19	0.000296	9.86E-05	0	0.000427	0	0	0	0.001545
20	0	0	0	0	0	0	0	6.57E-05
21	0.00263	0.000888	0	0	0	0	0	3.29E-05
22	0.004767	0.000329	0	0	0	0	0	0.001052
23	6.57E-05	0	0	0.000526	0	0.00023	0	3.29E-05
24	0	0	0	0.000822	0	0	0	0.000131
25	3.29E-05	0	0	0.000263	0	9.86E-05	0	3.29E-05
26	0	0.000197	0	0.00023	0	0.000131	0	0.000296
27	0	0	0	0.000263	0	0.000164	0	0.000131
28	0	3.29E-05	0	0	0	0	0	0
29	0	0	0	0.008547	0	3.29E-05	0	6.57E-05
30	0	0	0	0	0	0	0	0
31	3.29E-05	6.57E-05	0	9.86E-05	0	9.86E-05	0	6.57E-05
32	0	0	0	3.29E-05	0	0	0	0
33	0	0	0	0.000131	0	9.86E-05	0	0.000296
34	0.000131	6.57E-05	0	0.000394	0	0	0	0.001151
35	0.000131	9.86E-05	0	0.004241	6.57E-05	6.57E-05	0	0.002235
36	0.000131	9.86E-05	0	0.021171	0	0.001381	0	0.007528
37	0	0	0	0.00812	0	0.000263	0	0.005095
38	0	3.29E-05	0	0.003846	0	0.000329	0	0.0048
39	0	0	0	0.003024	0	0.000164	0	0.000164
40	0	0	0	0.002827	0	0.000493	0	0.001578
41	0	0	0	0.005293	0	0.000526	0	0.002334
42	0.001479	0	0	0.002893	0	0.002071	0	0.013873
43	0.001085	0.000329	0	0.00194	0	0.000855	0	0.003748
44	0	0	0	0.00023	0	9.86E-05	0	0.001052
45	0	0	0	9.86E-05	0	3.29E-05	0	9.86E-05
46	3.29E-05	6.57E-05	0	9.86E-05	0	0.000329	0	0.000427
47	0	0	0	0.000131	0	0.000296	0	0.00023
48	0.000394	0.000131	0	0	0	0.00069	0	0.001183

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2	0	0	0	0.000362	0	0.000164	0	0.00046
3	3.29E-05	0	0	0.000296	0	0.000164	0	0.000855
4	0	0	0	0.000657	0	0.000296	0	0.001052
5	0	0	0	0.00092	0	6.57E-05	0	0.000263
6	0	0	0	0.002005	0	6.57E-05	0	0.000197
7	6.57E-05	0	0	0	0	0	0	0
8	6.57E-05	0	0	0	0	0	0	0
9	0.00023	9.86E-05	0	0	0	0	0	9.86E-05
10	0	0.00023	0	0	0	0	0	0
11	9.86E-05	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0.012098	0.003222	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0
15	0.00023	0.000164	0	0	0	0	0	0
16	0.001249	0.000559	0	0	0	0	0	0
17	0	0	0	3.29E-05	0	0	0	3.29E-05
18	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	3.29E-05
20	0.000855	0.000131	0	0	0	0	0	0
21	0.000723	0	0	0	0	0	0	0
22	0.004241	0.001742	0	3.29E-05	0	0.000953	0	0
23	0	3.29E-05	0	0	0	0	0	0
24	0.000263	0	0	0.000197	0	0.00092	0	0.00217
25	3.29E-05	0	0	0.000986	0	0.000592	0	0.001085
26	3.29E-05	0	0	0.00332	0	0.001381	0	0.023406
27	0.001381	0.000427	0	0.000822	0	0.000164	0	0.001644
28	0.000559	9.86E-05	0	0.001808	0	3.29E-05	0	0.001479
29	0.001775	0	0	0.0024	0	9.86E-05	0	0.003518
30	0.002959	0.001578	0	0.000986	0	0.00023	0	0.004964
31	0	0	0	0.001578	0	0.000263	0	0.000329
32	0.00092	0	0	0.002137	0	0	0	0.001052
33	0.000131	6.57E-05	0	0.005194	0	0	0	0.001216
34	0.001315	0.00332	0	0.006213	0	0	6.57E-05	0.005424
35	0.001446	0	0	0.00332	0	0.000427	0	0.002268
36	0.00092	0	0	0.002038	0	0	0	0.001545
37	0.000986	0.001545	0	0.003189	0	0.000592	0	0.002696
38	0	0	0	0.00023	0	0	0	0.000197
39	6.57E-05	0.000526	0	0.002104	0	0.000329	0	0.001545
40	0.000131	0	0	0.055952	0	6.57E-05	0	0
41	3.29E-05	0	0	0.006213	0	0	0	6.57E-05
42	6.57E-05	0	0	0.022585	0	0.000197	0	3.29E-05
43	0.000394	3.29E-05	0	0.100299	0	0	0	0.00023
44	0	0	0	0.001348	0	0	0	0
45	0	0	0	0.003912	0	0	0	0
46	0	0	0	0.01167	0	0	0	0
47	0	0	0	3.29E-05	0	0	0	0.000263
48	0.001446	0.000296	0	0.000526	0	3.29E-05	0	9.86E-05

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2	0	0	0	0.000131	0	6.57E-05	0	0.000756
3	0	0	0	0	0	0	0	0
4	0.002597	0.00092	0	0.00023	0	0.000625	0	0.004701
5	0	0	0	0	0	6.57E-05	0	0
6	0	0	0	0.000131	0	3.29E-05	0	0.000263
7	0.000394	0.000131	0	0.000625	0	3.29E-05	0	0.000394
8	9.86E-05	0	0	0.000197	0	0	0	3.29E-05
9	0	0	0	0.000756	0	0	0	0
10	0	0	0	0	0	3.29E-05	0	3.29E-05
11	0	0	0	3.29E-05	0	0.000164	0	0.00069
12	0.001118	0	0	0	0	9.86E-05	0	0.000131
13	0.000197	9.86E-05	0	0.002268	0	0	0	0.001874
14	0	0	0	0.000263	0	0.001644	0	0.001282
15	3.29E-05	0	0	0.005654	0	0.001085	0	0.007035
16	6.57E-05	3.29E-05	0	0.003419	0	0.000263	0	0.001216
17	0.001183	3.29E-05	0	0	0	0	0	0
18	0.001019	0.000131	0	0	0	0	0	0
19	0.000362	0.000329	0	0	0	0	0	3.29E-05
20	0.000493	0	0	0	0	0	0	0
21	0.001183	0	0	0	0	0	0	0
22	0.00069	0.000526	0	0	0	6.57E-05	0	0
23	0.000164	0	0	6.57E-05	0	0	0	0
24	3.29E-05	0	0	6.57E-05	0	0	0	3.29E-05
25	0	0	0	0	0	0	0	9.86E-05
26	0.00023	0.000394	0	0.001052	0	0	0	6.57E-05
27	0	0.003715	0	0.003781	0	3.29E-05	0	0.000559
28	0.002005	0	0	0.001216	0	0	0	0.006476
29	0.000789	0	0	0.004307	0	0	0	0.00069
30	0	0	0	0.003287	0	6.57E-05	0	0.001644
31	0.00023	3.29E-05	0	0.001052	0	0	0	0.000493
32	3.29E-05	3.29E-05	0	0.002827	0	0	0	0.000526
33	0	0	0	0	0	0	0	0
34	0.000164	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0
36	0.000197	6.57E-05	0	0.003813	0	0	0	3.29E-05
37	9.86E-05	3.29E-05	0	0.000986	0	0	0	0
38	0.002038	0.001972	0	0.054407	0	0	0	0
39	0	0	0	0.001216	0	0	0	0
40	3.29E-05	3.29E-05	0	0.003189	0	0.000131	0	0.000559
41	0	0	0	0.000296	0	3.29E-05	0	0.000296
42	0	0	0	0.002104	0	0.000164	0	9.86E-05
43	0	0.001446	0	0.000394	0	0.016141	0	0.010585
44	9.86E-05	0	0	0.002531	0	0.000723	0	0.001874
45	3.29E-05	0	0	0.002531	0	0.000362	0	0.000756
46	0	0	0	0.003485	0	0.000526	0	0.001249
47	0.014465	0.001282	0	0.00309	0	0.000723	0	0.001216
48	0.001578	0.00092	0	0.000263	0	0.000329	0	0.001348
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2	0.001019	3.29E-05	0	0.000164	0	3.29E-05	0	6.57E-05
3	0	0	0	0.003583	0	0.000427	0	0.001578
4	0.004076	0.000427	0	0	0	0	0	9.86E-05
5	3.29E-05	6.57E-05	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0.002203	0	0	0	0	0	0	0
9	0	0	0	0.005227	0	0	0	0.002466
10	0.000263	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0.001972	0	0	3.29E-05	0	0	0	0.000789
14	0	0.000493	0	0	0	0	0	0.000131
15	0	0	0	0.000986	0	0.002005	0	0.008975
16	0.004274	0.00069	0	3.29E-05	0	0	0	3.29E-05
17	0.000362	0	0	0	0	0	0	0.001216
18	0.000329	0.000559	0	0.030047	0	9.86E-05	0	0.000822
19	9.86E-05	3.29E-05	0	0.00835	0	6.57E-05	0	0.000263
20	0	0	0	0.010092	0	6.57E-05	0	0.000131
21	0.000592	0	0	0.005786	0	0	0	0.000296
22	3.29E-05	0	0	0.005983	0	3.29E-05	0	0.000362
23	0	0	0	0.002038	0	0	0	0.000296
24	0	0	0	0.004898	0	6.57E-05	0	0.001052
25	0	0	0	0.003123	0	0.000197	0	0.003813
26	0	0	0	0.000789	0	0	0	9.86E-05
27	0	0.000164	0	0.001512	0	0	0	0.003583
28	3.29E-05	0	0	3.29E-05	0	0	0	0.000131
29	0.000197	6.57E-05	0	6.57E-05	0	0	0	0
30	0	0	0	0	0	0	0	0
31	0	0	0	6.57E-05	0	0	0	6.57E-05
32	0.000723	0.000164	0	0.000263	0	0	0	9.86E-05
33	0	0	0	0	0	0	0	0
34	0	3.29E-05	0	6.57E-05	0	0	0	0
35	0	0	0	0	0	0	0	0
36	0.000164	0	0	0	0	0	0	0
37	0.000427	9.86E-05	0	0	0	9.86E-05	0	0.001611
38	0	0	0	0	0	0.000131	0	0.000657
39	0	0.000329	0	0.002992	0	0.000263	0	0.002268
40	0.000164	0	0	0.008745	0	0.000296	0	0.005884
41	0.00092	0	0	0.015286	0	6.57E-05	0	0
42	0	3.29E-05	0	0.019692	0	0.00023	0	0.000296
43	0.002663	0	0	0.003649	0	0	0	0.003353
44	0.000329	3.29E-05	0	0.016338	0	0	0	0.000131
45	0	0	0	0.010947	0	0.000131	0	0
46	0.000131	9.86E-05	0	0.013873	0	0.000197	0	0
47	0	0	0	0.0024	0	0	0	0.004602
48	0.000362	0	0	0.000493	0	6.57E-05	0	0.000394
49	0.000329	0.000197	0	0.000526	0	0	0	0.001151
50	0.000263	0.000164	0	0.000493	0	0.000164	0	0.000986
51	0	0	0	0.000329	0	0	0	0.000362
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2	0	0	0	0.001611	0	0.000493	0	0.001282
3	0	0.000164	0	0.002663	0	0.00046	0	0.002959
4	0	0	0	0.000855	0	3.29E-05	0	0.002597
5	0	0.001578	0	0.002827	0	0	0	3.29E-05
6	9.86E-05	0	0	0.000657	0	3.29E-05	0	3.29E-05
7	0.000625	3.29E-05	0	0.000263	0	0	0	0.000592
8	0.000756	0	0	0.013511	0	0.0024	0	0.013544
9	0.00023	0.000131	0	0.020415	0	0.002071	0	0.011933
10	0.00046	0.000131	0	0.006279	0	0.001972	0	0.003222
11	3.29E-05	0	0	0.01144	0	0.003024	0	0.006936
12	9.86E-05	0	3.29E-05	0.004175	0	0.000493	0	0.001611
13	0.000131	0.000131	0	0.032019	0	0.000723	0	0.013511
14	6.57E-05	0	0	0.007495	0	0.00217	0	0.007725
15	0	0	0	0.002663	0	0.001216	0	0.015221
16	0	0	0	0	0	6.57E-05	0	0
17	9.86E-05	0.000131	0	0	0	6.57E-05	0	0
18	0.00217	0.000394	0	0.000362	0	0	0	0
19	6.57E-05	0	0	0.000822	0	0	0	9.86E-05
20	3.29E-05	0	0	0	0	0	0	0
21	0	0	0	6.57E-05	0	0	0	0
22	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0
24	3.29E-05	0	0	0	0	0	0	0
25	0	0	0	3.29E-05	0	0	0	3.29E-05
26	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0
28	3.29E-05	0	0	0	0	0	0	0
29	0	0	0	3.29E-05	0	0	0	3.29E-05
30	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0
32	0	0	0	0	0	3.29E-05	0	0.001216
33	0	0	0	0	0	0	0	0.001282
34	6.57E-05	3.29E-05	0	0	0	0	0	0.000986
35	0	0	0	0.002301	0	0.000131	0	0.000197
36	0.000131	0	0	0.001315	0	0	0	6.57E-05
37	0	0	0	0.000164	0	0	0	3.29E-05
38	9.86E-05	6.57E-05	0	0.000493	0	0	0	0
39	6.57E-05	0	0	0.000296	0	0	0	6.57E-05
40	3.29E-05	0	0	0.006575	0	0.000197	0	0.000329
41	0	0	0	0.002334	0	6.57E-05	0	0.000131
42	6.57E-05	0	0	0.000427	0	0	0	9.86E-05
43	0.001183	0.000526	0	6.57E-05	0	0	0	0
44	0.00069	0.000164	0	6.57E-05	0	0	0	0
45	0	0.000131	0	0	0	0	0	0
46	0.001742	0.000625	0	0	0	0	0	0
47	0.000131	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0
49	3.29E-05	0	0	0.000131	0	0	0	0
50	0.001545	0.003189	0	0	0	0	0	3.29E-05
51	3.29E-05	9.86E-05	0	0.002564	0	0.002367	0	0.024228
52	0.000625	6.57E-05	0	9.86E-05	0	6.57E-05	0	0.002466
53	6.57E-05	0.00023	0	0.001907	0	0	0	0.000427
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2	0.000362	3.29E-05	0	0.007364	0	0.000329	0	0.001578
3	0.000493	0.000197	0	0.003189	0	3.29E-05	0	0.000394
4	0	0.000197	0	0.001249	0	0.000526	0	0.002071
5	0	0	0	6.57E-05	0	0	0	3.29E-05
6	0.000296	6.57E-05	0	0.000131	0	0	0	6.57E-05
7	0	0	0	0.000657	0	0	0	0
8	0	0	0	0.000427	0	0.000197	0	3.29E-05
9	3.29E-05	0.000296	0	0	0	0	0	3.29E-05
10	0	0	0	0.00046	0	9.86E-05	0	0.000625
11	0	0	0	0.000493	0	0.000493	0	0.003583
12	0	0	0	0.000197	0	0.000164	0	0.000789
13	0.000131	9.86E-05	0	0	0	0	0	0
14	0	0	0	0.000427	0	0.000559	0	0.001677
15	0.000657	0.000164	0	0.000131	0	0	0	0
16	0	0	0	6.57E-05	0	3.29E-05	0	9.86E-05
17	0.000263	0.000756	0	0.000493	0	0	0	0.00092
18	9.86E-05	0	0	0.000197	0	6.57E-05	0	0.000296
19	3.29E-05	3.29E-05	0	6.57E-05	0	0.000131	0	0.002498
20	0.000493	0	0	0	0	0.000296	0	0.000559
21	0.000131	0	0	3.29E-05	0	6.57E-05	0	9.86E-05
22	0.00023	6.57E-05	0	0.00023	0	0	0	0
23	3.29E-05	0.000131	0	0.001414	0	0.000164	0	0
24	0.000493	0.000427	0	0.000855	0	0.000131	0	0
25	0.002729	0.000657	0	0.000263	0	0	0	0
26	0	0	0	9.86E-05	0	3.29E-05	0	3.29E-05
27	0	0	0	9.86E-05	0	6.57E-05	0	0
28	0	0	0	9.86E-05	0	3.29E-05	0	0
29	6.57E-05	0	0	0.000164	0	3.29E-05	0	0.000559
30	0.000197	0	0	0.000197	0	0	0	9.86E-05
31	3.29E-05	0	0	9.86E-05	0	0.000131	0	0.003123
32	0	0	0	3.29E-05	0	9.86E-05	0	0.000559
33	0	0	0	0.057859	0	0	0	0
34	0.00046	0.000197	0	0.045136	0	0	0	0.000263
35	0	0	0	0	0	0	0	0.00023
36	0	0	0	0	0	0	0	0
37	0.001315	0.000526	0	0.000329	0	0	0	0
38	0.001216	0	0	0.003452	0	0	0	0.000427
39	0.000427	0	0	0.001742	0	0	0	0.002268
40	0	0	0	0.001151	0	0	0	0.00526
41	3.29E-05	0	0	6.57E-05	0	0.000131	0	0.000131
42	6.57E-05	0	0	0	0	0	0	6.57E-05
43	0.000131	0	0	0	0	0	0	6.57E-05
44	0.000953	0	0	0.003057	0	3.29E-05	0	0.001479
45	0	0	0	0.001677	0	0.000526	0	0.002531
46	6.57E-05	0	0	3.29E-05	0	0.000164	0	0.002104
47	0.005161	0.005819	0	6.57E-05	0	0	0	0.003715
48	0.000427	0.001348	0	0.000953	0	0	0	0
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2	0	0	0	0	0	0	0.000362	0
3	0.001742	0	0	0.001611	0	0	0.001775	0
4	0.001249	0.000263	0	0	0	0	0	0
5	0.001151	0.000263	0	0.00023	0	0.000197	0	0.0048
6	0.000296	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0	0	0	0	0	3.29E-05	0	0
14	0	0	0	0	0	0	0	0
15	0	0	0	0	0	3.29E-05	0	0
16	3.29E-05	0	0	0	0	0	0	0
17	0.000197	0	0	0	0	0	0	0
18	9.86E-05	0	0	0	0	0	0	0
19	9.86E-05	0	0	0	0	0	0	0
20	9.86E-05	0	0	0	0	0	0	0
21	6.57E-05	3.29E-05	0	3.29E-05	0	0	3.29E-05	0
22	6.57E-05	0.000131	0	0.001019	0	0	0.002005	0
23	9.86E-05	0	0	3.29E-05	0	0	0.000263	0
24	0.000657	0.000723	0	9.86E-05	0	0	0.000493	0
25	6.57E-05	0	0	0.000394	0	6.57E-05	0	0.00046
26	0.000427	6.57E-05	0	0	0	0	3.29E-05	0
27	0.000657	0.000197	0	9.86E-05	0	0	0.000164	0
28	0	0	0	0.000164	0	0	0.000131	0
29	0.001841	0.000131	0	3.29E-05	0	0	0	0
30	0.00069	0.000756	0	0.003255	0	0	6.57E-05	0
31	0.000723	0.00023	0	9.86E-05	0	3.29E-05	0	0.00046
32	6.57E-05	0.000164	0	0.003353	0	0.00023	0	0.000526
33	6.57E-05	0	0	0.007331	0	0.000131	0	0.00023
34	0	0	0	0.000427	0	0.000197	0	0
35	9.86E-05	3.29E-05	0	0.003649	9.86E-05	0.000888	0	0.000526
36	9.86E-05	0	0	0.000789	0	3.29E-05	0	0.000164
37	0	0	0	0.008777	0	0.000756	0	0.000329
38	0.000131	6.57E-05	0	0.001775	0	3.29E-05	0	0
39	0	0	0	0.006279	0	0.000329	0	0.000625
40	0.00023	0	0	0	0	3.29E-05	0	0
41	0	0	0	0.002466	0	0.000427	0	0.000822
42	0.006147	0.001183	0	0.02837	0	0	0.008975	0
43	0.001315	0	0	0.002005	0	6.57E-05	0	0.000756
44	0.000493	0.000394	0	0.013347	0	0.000296	0	0.012163
45	0.016043	0.002137	0	0.005621	0	0	0	0.003813
46	6.57E-05	9.86E-05	0	0.001249	0	0.000164	0	0.008909
47	0.000986	0.000263	0	0.023111	0	0.00046	0	0.013446
48	0.003945	0.00263	0	0.000657	0	6.57E-05	0	0.000625
49	0.001709	0.000592	0	0.000131	0	0	0	0
50	0.000822	9.86E-05	0	0.004241	0	0.000131	0	0.003222
51	0.093264	0.010027	0	6.57E-05	0	9.86E-05	0	0.000164
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2	0	0	0	0.001249	0	0.000296	0	0.002729
3	0.000657	0	0	0.002959	0	0.000131	0	0.000493
4	9.86E-05	0.000164	0	0.000427	0	0	0	0
5	0.000131	0.000427	0	0.001972	0	0.000526	0	6.57E-05
6	0.002104	0	0	0.000592	0	0.000394	0	0.00046
7	3.29E-05	0	0	0.001644	0	0.000394	0	0.001019
8	0.000394	9.86E-05	0	0.000493	0	6.57E-05	0	0.001282
9	0	3.29E-05	0	0.00023	0	0	0	0.000723
10	0	3.29E-05	0	0.001052	0	0.001085	0	0.012525
11	6.57E-05	0	0	0.014793	0	0.000131	0	0.004668
12	0	6.57E-05	0	0.006443	0	0.000789	0	0.001446
13	0	0	0	0.012426	0	0.000131	0	0.001644
14	0.000131	0	0	0.001808	0	0.000131	0	0.002268
15	0.001085	0.000526	0	0.007956	0	0.007068	0	0.032677
16	0.000263	0	0	0.001742	0	0.000263	0	0.004142
17	0.000592	0.000296	0	0.002137	0	0.000263	0	0.00263
18	0.000822	0.000164	0	0.002268	0	0	0	0.000756
19	0.000296	9.86E-05	0	0.00069	0	0.001183	0	0.00092
20	0	0	0	0.001118	0	0.00046	0	0.00069
21	3.29E-05	0	0	0.000164	0	0.001479	0	0.000756
22	0.000197	0	0	0.00286	0	9.86E-05	0	0.001019
23	0.000657	0	0	0.003287	0	0.001611	0	0.008317
24	0.000131	0	0	0.009468	0	0.000131	0	0.006378
25	0.000131	0.00023	0	0.000131	0	0.000131	0	0.00263
26	9.86E-05	3.29E-05	0	0.001315	0	6.57E-05	0	0.001183
27	0.000526	0	0	0.003189	0	0.002268	0	0.018442
28	0	0	0	0.00092	0	0.000197	0	0.004602
29	0.00023	0	0	0.000197	0	6.57E-05	0	0.000296
30	3.29E-05	0	0	0.001151	0	6.57E-05	0	0.001512
31	0.00332	0.001611	0	0.000625	0	0.001249	0	0.02219
32	0	0	0	0	0	0.004044	0	0.018475
33	0	0	0	6.57E-05	0	0.000131	0	0.000197
34	3.29E-05	0	0	0	0	0.000164	0	0.00092
35	0.000822	0.000197	0	0.000427	0	3.29E-05	0	0.001742
36	0	0	0	0.00069	0	6.57E-05	0	0
37	0	0	0	3.29E-05	0	0	0	0
38	0.053881	0.016536	0	0.000131	0	3.29E-05	0	3.29E-05
39	9.86E-05	3.29E-05	0	3.29E-05	0	0	0	9.86E-05
40	3.29E-05	0	0	0	0	0	0	0
41	0.005424	0.002531	0	0	0	0	0	0
42	0.001414	0	0	0.001578	0	0	0	0.002367
43	0	0	0	6.57E-05	0	0	0	0
44	0	0	0	0	0	0	0	0
45	6.57E-05	0	0	0	0	0	0	6.57E-05
46	0	0	0	0	0	0	0	0
47	0.000394	0.000493	0	0.002466	0	0.002926	0	0.006345
48	3.29E-05	9.86E-05	0	0.000263	0	0.012328	0	0.046648
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2	0	0	0	0.000164	0	0.000131	0	0
3	0	0	0	3.29E-05	0	0	3.29E-05	0.007693
4	0.000296	6.57E-05	0	0.001479	0	0.000263	0	0.001874
5	0	0.000164	0	0.000131	0	0.000164	0	0.000822
6	0.000329	0.000526	0	0	0	3.29E-05	0	0.00549
7	0	0	0	3.29E-05	0	0	0	0.000362
8	0.001052	3.29E-05	0	0	0	3.29E-05	0	0
9	0.005654	0.001052	0	0	0	0	0	0
10	0.002038	0	0	3.29E-05	0	0	0	0
11	9.86E-05	0.000526	0	0.002564	0	0.000822	0	0.001249
12	0.00023	0	0	0	0	0	0	0
13	0	0	0	0.00023	0	0	0	0
14	0.001085	6.57E-05	0	6.57E-05	0	0	0	6.57E-05
15	0.005227	0	0	0.000131	0	9.86E-05	0	0.00023
16	0	3.29E-05	0	9.86E-05	0	0	0	6.57E-05
17	0.001512	0.00092	0	0	0	0	0	0
18	0.000953	0.000427	0	0	0	0	0	0
19	0.001381	0	0	0	0	0	0	0
20	0.000131	0.000197	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0
22	0.001282	0	0	0	0	0	0	0
23	9.86E-05	0	0	3.29E-05	0	0	0	0
24	0.000592	6.57E-05	0	0	0	0	0	0
25	0.000296	0	0	0	0	0	0	0
26	0.000164	3.29E-05	0	0.003057	0	0.000427	0	0.001446
27	9.86E-05	0	0	0.004471	0	9.86E-05	0	0.000394
28	9.86E-05	0	0	0.000197	0	0.000296	0	0.000986
29	0.000263	0	0	0.007594	0	6.57E-05	0	0.001216
30	0.000526	0.000394	0	0.004931	0	0.000855	0	6.57E-05
31	6.57E-05	0	0	0.001644	0	3.29E-05	0	0.000953
32	0.001381	0	0	0.003649	0	9.86E-05	0	0.001348
33	6.57E-05	0.00023	0	0.001742	0	0.00023	0	0.004372
34	0.000197	6.57E-05	0	0.001479	0	0.000131	0	0.000953
35	3.29E-05	0	0	0.045136	0	0.001085	0	0.006082
36	0	0	0	0.009895	0	9.86E-05	0	0.001348
37	0	0	0	3.29E-05	0	0	0	0.000362
38	3.29E-05	0	0	9.86E-05	0	6.57E-05	0	0.003386
39	0.000789	0	0	0.000296	0	0	0	0.002301
40	0	0.000427	0	0	0	0	0	0.00309
41	0.000362	0.00023	0	0	0	0	0	0.000296
42	6.57E-05	0	0	0	0	9.86E-05	0	0.003057
43	0.000723	0	0	0.007167	0	0.001479	0	0.00332
44	0.000855	0.000131	0	0.002696	0	0.000329	0	0.002235
45	0.000263	0	0	0.003846	0	0.002268	0	0.013774
46	0.000296	3.29E-05	0	0.002959	0	0.000953	0	0.002466
47	0.00309	0.000756	0	0.004635	0	9.86E-05	0	0.000526
48	3.29E-05	0	0	0.000329	0	3.29E-05	0	0.000822
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2	9.86E-05	0	0	3.29E-05	0	0	0	0
3	0.001052	0	0	0.003452	0	0	0	0.000131
4	0.000164	0.000362	0	0.00309	0	6.57E-05	0	0.000329
5	0.000131	0	0	0.000723	0	0.000263	0	0.002071
6	0.000559	0.000427	0	0.001775	0	0.000362	0	0.012196
7	0.001183	0.000592	0	0.002531	0	3.29E-05	0	0.006115
8	0.000329	0	0	0.003978	0	0.001019	0	0.010191
9	0	0	0	0.001446	0	0.000362	0	0.002005
10	0	0	0	0.000296	0	3.29E-05	0	0.000822
11	0	0	0	0.000329	0	0.001841	0	0.013873
12	0	0	0	0.000329	0	0.001841	0	0.013873
13	3.29E-05	3.29E-05	0	0.002104	0	0.000164	0	0.00309
14	6.57E-05	6.57E-05	0	0.000329	0	0.000855	0	0.010651
15	9.86E-05	0	0	0.001183	0	0.001644	0	0.005753
16	0.000855	0	0	0.001414	0	0	0	6.57E-05
17	9.86E-05	0	0	0.002071	0	9.86E-05	0	0
18	3.29E-05	0	0	0.002268	0	9.86E-05	0	9.86E-05
19	0	0	0	0.000296	0	3.29E-05	0	9.86E-05
20	0	6.57E-05	0	0.014465	0	3.29E-05	0	6.57E-05
21	0	0	0	0.008876	0	6.57E-05	0	6.57E-05
22	0	0	0	0.011999	0	9.86E-05	0	0.000493
23	3.29E-05	0	0	0.003287	0	9.86E-05	0	6.57E-05
24	0	0	0	0.002992	0	6.57E-05	0	0.000296
25	0	0.000131	0	0.001775	0	0	0	9.86E-05
26	0	6.57E-05	0	0.001775	0	0	0	9.86E-05
27	0.000164	0	0	0.006673	0	6.57E-05	0	3.29E-05
28	0	0	0	0.012131	0	3.29E-05	0	0.00046
29	0.001183	9.86E-05	0	0	0	0	0	0
30	3.29E-05	0	0	0.000131	0	6.57E-05	0	3.29E-05
31	0.000493	0.00023	0	3.29E-05	0	0	0	6.57E-05
32	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0
34	3.29E-05	0	0	0	0	0	0	0
35	0.000657	0	0	0	0	0	0	0
36	6.57E-05	0	0	0	0	0.000164	0	0
37	0.000394	0.000131	0	0	0	0	0	0
38	0.001216	0.000164	0	0	0	0	0	0
39	0	3.29E-05	0	3.29E-05	0	0	0	0
40	0.000362	0.000164	0	0.004701	3.29E-05	0.000197	0	0.004109
41	9.86E-05	0	0	0.015221	0	0.00092	0	0.002137
42	3.29E-05	0.000592	0	0.001315	0	9.86E-05	0	0.002137
43	0.000131	0.000657	0	0.011999	0	0.000789	0	0.001972
44	0.000197	0.000263	0	0.000657	0	0.00092	0	0.002334
45	0.000263	6.57E-05	0	0.001545	0	0.001216	0	0.0048
46	0	0	0	0.000263	0	0.000296	0	0.000263
47	0	0	0	0.010585	0	0.001183	0	0
48	0.000164	0	0	0.072619	0	0.000131	0	0
49	3.29E-05	0	0	0.042375	0	9.86E-05	0	0.000592
50	0	0	0	0.005819	0	0	0	0
51	0	0	0	0.00286	0	0	0	3.29E-05
52								
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2	0.000625	0.00023	0	0.002794	0	0	0	0.001677	0
3	0	0	0	0.001414	0	0	0	3.29E-05	0
4	0.000559	3.29E-05	0	0.007397	0	0	0	0	0
5	0.000657	0.000657	0	0.049509	0	0	0	0	0
6	0	0	0	0.001644	0	9.86E-05	0	6.57E-05	0
7	0.000164	0	0	0.000723	0	0.000756	0	0.001578	0
8	0.000296	0	0	0.000756	0	0.001052	0	0.007627	0
9	0.00069	0.000164	0	0.002235	0	0.000493	0	0.000394	0
10	0.002498	0	0	0.000197	0	0.00046	0	0.006443	0
11	0.000197	0	0	0.000394	0	0.000427	0	0.000986	0
12	0	0	0	0.000756	0	0.000164	0	0.000296	0
13	0	0	0	0	0	0.000296	0	0.00069	0
14	0.000657	0.000263	0	0.000329	0	0	0	0	0
15	0.001545	0	0	0.000263	0	0	0	0	0
16	0	0	0	0.000427	0	0.000296	0	9.86E-05	0
17	0.000197	0	0	0.000953	0	3.29E-05	0	0.000131	0
18	0	0	0	3.29E-05	0	0	0	0	0
19	0.000164	0	0	0	0	3.29E-05	0	9.86E-05	0
20	0	0	0	0	0	6.57E-05	0	0.000625	0
21	0.000296	0	0	0.000263	0	0	0	3.29E-05	0
22	0	9.86E-05	0	0.001052	0	0.000263	0	0.003222	0
23	0	0	0	0.000362	0	6.57E-05	0	0.000131	0
24	0	0	0	0	0	0	0	0	0

k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
0	0	0	0.563825	0	0	0	0	0	0
0	6.57E-05	0	0.638581	0	0	0	0	0	0
0	0	0	0.601795	0	0	0	0	0	0
0	0.000197	0	0.522009	0	0	0	0	0	0
3.29E-05	0	0	0.574937	0	0	0	0	0	0
0	0	0	0.056379	0	0	0	0	0	0
0	0.001118	0	0.571912	0	0	0	0	0	0
6.57E-05	0	0	0.168875	0	0	0	0	0	0
0	0.000526	0	0.504816	0	0	0	9.86E-05	0	0
0	0.001545	0	0.324961	0	0	0	0	0	0
0	0.000625	0	0.039778	0	0	0	3.29E-05	0	0
0.000263	0.004865	0	0.065716	0	0	0	9.86E-05	0	0
0.00046	0.010191	0	0.529176	0	0	0	0	0	0
0.011835	0.016174	0	0.080739	0	9.86E-05	0	6.57E-05	3.29E-05	0
0.004833	0.002203	0	0.013577	0	0	0	0	0	0
9.86E-05	3.29E-05	0	0.017423	0	0	0	0	0	0
0.006936	0	0	0.135014	0	0.000559	0	0	0	0
0	0	0	0.001512	0	0	0	0	0	0
0.000296	3.29E-05	0	0.008284	0	0	0	0	0	0
0.000362	9.86E-05	0	0.003419	0	0	0	0	0	0
0	0.012328	0	0.467865	0	0	0	0.000164	0	0
3.29E-05	0.00194	0	0.48736	0	0	0	0	0	0
0	0.009698	0	0.685263	0	0	0	0	0	0
0	0.002367	0	0.579309	0	0	0	0	0	0
0	0.021039	0	0.541208	0	0	0	0	0	0
0	0.003156	0	0.142444	0	0	0	0	0	0
0	3.29E-05	0	0.690095	0	0	0	0	0	0
0	0.0167	0	0.436602	0	9.86E-05	0	0.000625	0	0
0	0.025346	0	0.302081	0	0.001151	0	0.00023	0	0
0	0.019725	0	0.501266	0	0.000164	0	0	0	0
0	0.030573	0	0.430948	0	0	0	0	0	0
3.29E-05	0.003353	0	0.586377	0	6.57E-05	0	3.29E-05	0	0
0	0.038101	0	0.443802	0	0.000526	0	0.000197	0	0
0.002729	0.01864	0	0.214636	0.000625	0.00641	0	0.001874	0	0
0.000362	0.005753	0	0.362701	0	0.000329	0	0.000197	0	0
0.002071	0.087018	0	0.148098	0	0.00812	0	0.001052	0	0
0.000362	0.024787	0	0.424636	0	0.00023	0	0.00069	0	0
0.001216	0.015319	0	0.366613	0	0.000329	0	0	0	0
0.0048	0.039449	0	0.359446	0.000164	0.002104	0	0.001151	0	0
0.002531	0.018574	0	0.394392	0	0.000329	0	9.86E-05	0	0
0.002959	0.016799	0	0.477859	0.000131	0.001216	0	0.00023	0	0
0.000526	0.008186	0	0.522502	0	0	0	9.86E-05	0	0
0.000197	0.010487	0	0.48256	0	0.000394	0	0	0	0
6.57E-05	0.003583	0	0.530096	0	0	0	3.29E-05	0	0

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2	0	0.028798	0	0.457247	0	0	0 0.000362
3	0	0.023571	0	0.624774	0	0	0 0.000197
4	0	0.014103	0	0.312206	0	0	0 3.29E-05
5	0	0.031395	0	0.563168	0	0	0 0.000657
6	0	0.014695	0	0.628555	0	0	0 9.86E-05
7	0	0.001841	0	0.027779	0	0	0 0
8	0	0.001151	0	0.06062	0	0	0 0
9	0	0.003879	0	0.170091	0	0	0 0
10	0	0.015582	0	0.324205	0	0	0 3.29E-05
11	0	0.031099	0	0.607121	0	0	0 0.001742
12	0	0.004898	0	0.418028	0	0	0 0.000263
13	0	9.86E-05	0	0.672573	0	0	0 0
14	0	0.003485	0	0.734442	0	0	0 0.000362
15	0	0.001216	0	0.745521	0	0	0 0.000197
16	0.000296	0.00858	0	0.174398	6.57E-05	0.000329	0 0.000263
17	0	0.008087	0	0.366744	0	0	0 0.000625
18	0	0.003518	0	0.029291	0	6.57E-05	0 0
19	0	0	0	0.501923	0	0	0 0
20	0	0.000131	0	0.649134	0	0	0 0
21	0	9.86E-05	0	0.657089	0	3.29E-05	0 0
22	0	6.57E-05	0	0.504191	0	0.000559	0 0
23	0	0	0	0.120911	0	0	0 0
24	0	0.000131	0	0.555048	0	0	0 0
25	0	0	0	0.166705	0	0	0 0
26	0.002235	0.010783	0	0.329991	0	0	0 3.29E-05
27	0.000888	0.007824	0	0.205924	0	0	0 0
28	0.002104	0.009961	0	0.304547	0	3.29E-05	0 0
29	0.000131	0.002203	0	0.005589	0	0	0 0
30	0.000559	0.006936	0	0.205661	0	6.57E-05	0 6.57E-05
31	6.57E-05	0.002893	0	0.125448	0	0	0 0
32	0	0.001479	0	0.551662	0	0	0 0.000296
33	0	0.001019	0	0.45087	0	0	0 6.57E-05
34	0	9.86E-05	0	0.444656	0	0	0 0
35	0	0.000657	0	0.641671	0	0	0 0
36	0	0.001644	0	0.477728	0	3.29E-05	0 0.000986
37	0	0.004372	0	0.433742	0	0	0 3.29E-05
38	0.001282	0.012558	0	0.326079	0	0	0 3.29E-05
39	0	0.002597	0	0.208291	0	6.57E-05	0 0
40	0.000394	0.012295	0	0.383445	0	0	0 0
41	0.000723	0.007758	0	0.465959	0	0	0 0
42	0	0.001249	0	0.111871	0	0	0 0.000329
43	3.29E-05	0.001742	0	0.452941	0	0	0 0.000131
44	0	0.005161	0	0.601006	0	0	0 0.000592
45	0	0.003682	0	0.196423	0	0	0 0
46	0	0.002597	0	0.038824	0	0	0 0
47	0.000427	0.020546	0	0.397778	0	0	0 0
48	0	0.004076	0	0.431507	0	0	0 0.000197
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2	0	0.002663	0	0.493014	0	0	0	0.000526
3	0	0.019034	0	0.466912	0	0	0	0.00046
4	0	0.011506	0	0.580657	0	0	0	0.000789
5	0.000986	0.014235	0	0.439955	6.57E-05	0.000263	0	0.000789
6	0	0.003287	0	0.643348	0	0	0	0.00023
7	0	0.000394	0	0.347579	0	0	0	0
8	0	0.000131	0	0.074329	0	0	0	0
9	0	0.000164	0	0.380585	0	0	0	0
10	0	0.001512	0	0.385516	0	0	0	0
11	0	0.006049	0	0.397811	0	0	0	0
12	0	0.001446	0	0.580657	0	0	0	0
13	0	0.005621	0	0.238798	0	3.29E-05	0	0
14	0.00014	0.00014	0	0.117073	0	0	0	0
15	0.00023	0.002893	0	0.650679	0	3.29E-05	0	0
16	3.29E-05	0.001479	0	0.21286	0	0	0	0
17	0.000296	0.002597	0	0.054604	0	0	0	0
18	0.000789	0.000296	0	0.086952	0	0	0	0
19	0.000197	0.006279	0	0.329334	0	0	0	0
20	0	0.000164	0	0.051119	0	0	0	0
21	0	0.000263	0	0.051185	0	0	0	0
22	0	0.000263	0	0.756106	0	0	0	0
23	0.000362	0.011046	0	0.556757	0	0.000131	0	0.000164
24	6.57E-05	0.006246	0	0.090601	9.86E-05	6.57E-05	0	0.000131
25	0.000657	0.007397	0	0.609816	0	0.000131	0	0.000427
26	0.000789	0.005063	0	0.309478	0	0.000329	0	3.29E-05
27	3.29E-05	0.003846	0	0.450541	0	0.000263	0	0.000625
28	9.86E-05	0.002564	0	0.162136	0	6.57E-05	0	0
29	0.000131	0.078536	0	0.364476	0	0.000131	0	6.57E-05
30	0	0.000296	0	0.027253	0	0	0	0
31	0	0.001611	0	0.090733	0	0	0	9.86E-05
32	0	0.000559	0	0.073638	0	0	0	0
33	0.000329	0.005621	0	0.51047	6.57E-05	0.000526	0	0.000625
34	0.001348	0.001052	0	0.370656	0	0	0	0
35	0.00092	0.008646	0	0.440481	0	3.29E-05	0	0
36	0.018442	0.060226	0	0.374897	0	0.00023	0	0.00046
37	0.007725	0.043295	0	0.345705	0	9.86E-05	0	0.000164
38	0.026661	0.049246	0	0.286597	0	6.57E-05	0	9.86E-05
39	0.000723	0.019757	0	0.100858	0	0.000164	0	0
40	0.00069	0.019166	0	0.47993	0	0.000164	0	0.000296
41	0.001446	0.017555	0	0.379302	0	0.000131	0	0.000164
42	0.010322	0.073803	0	0.132351	0	0.001808	0	0.00023
43	0.003583	0.032513	0	0.251422	0	0.000296	0	0.000822
44	0.000493	0.009106	0	0.026299	9.86E-05	9.86E-05	0	3.29E-05
45	0.000789	0.014333	0	0.663368	0	0.00023	0	9.86E-05
46	0.000559	0.032315	0	0.508366	0	0	0	0.000131
47	0.000559	0.014793	0	0.602518	0	0.000362	0	0.000263
48	0.000888	0.010355	0	0.389033	0	0.00069	0	9.86E-05
49								
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2	0.001808	0.024064	0	0.612643	0	9.86E-05	0	0.000131
3	0.000296	0.005095	0	0.369309	0	3.29E-05	0	3.29E-05
4	0.000164	0.00332	0	0.34965	0	0.000296	0	0.00023
5	0.000164	0.00457	0	0.235741	0	0	0	0.00023
6	0.000263	0.012657	0	0.114008	0	0	0	3.29E-05
7								
8	0	0	0	0.388935	0	0	0	0
9	0	0.000164	0	0.398534	0	0	0	0
10	0	9.86E-05	0	0.290509	0	3.29E-05	0	0
11	0	0	0	0.751898	0	0	0	0
12	0	0	0	0.628686	0	0	0	0
13	0	0	0	0.738913	0	0	0	0
14	0	0	0	0.738913	0	0	0	0
15	0	6.57E-05	0	0.518886	0	0	0	0
16	0	9.86E-05	0	0.605543	0	0	0	0
17	0	3.29E-05	0	0.674611	0	0	0	0
18	0	0	0	0.653243	0	0	0	0
19	0	0	0	0.653243	0	0	0	0
20	0	9.86E-05	0	0.845754	0	0	0	0
21	0	6.57E-05	0	0.493737	0	0	0	0
22	0	0	0	0.429337	0	0	0	0
23	0	3.29E-05	0	0.772478	0	0.00023	0	0
24	0	0.00092	0	0.642526	0	0	0	0
25	0	0	0	0.510569	0	0.000888	0	0
26	0	0	0	0.509155	0	0.000263	0	0
27								
28	0.001249	0.013511	0	0.0883	6.57E-05	0.001052	0	0.000329
29	0.000296	0.009797	0	0.207765	0	0.000131	0	0.000263
30	0.009106	0.088859	0	0.182386	0	0.000427	0	9.86E-05
31	0	0.008054	0	0.112002	0	0.000131	0	0
32	0.000197	0.011309	0	0.216444	0	0.000131	0	0
33	0.000164	0.013051	0	0.479865	0	0	0	0
34	0.000789	0.014892	0	0.525856	0	9.86E-05	0	0.000164
35	0.001118	0.008416	0	0.255498	0	0	0	0
36	3.29E-05	0.008153	0	0.448141	0	0	0	0
37	3.29E-05	0.012755	0	0.400145	0	0	0	0.000197
38								
39	0.002203	0.043788	0	0.24511	0	0.000296	0	0
40	0.00309	0.018705	0	0.365594	0	0.002301	0	0.001151
41	0.000362	0.010257	0	0.431375	0	0	0	0
42	6.57E-05	0.015221	0	0.293336	0	0.000164	0	0
43	0.000329	0.005161	0	0.499458	0	0	0	0
44	0.000723	0.028601	0	0.502383	0	0.000164	0	0.000164
45	0.000197	0.024195	0	0.531707	0	0	0	0
46	0.000131	0.011605	0	0.578093	0	0	0	6.57E-05
47	0	0.035406	0	0.420855	0	0	0	0.00046
48	0.000164	0.024689	0	0.484533	0	6.57E-05	0	6.57E-05
49	0	0.030146	0	0.304875	0	0	0	0.000723
50	6.57E-05	0.031789	0	0.439101	0	0	0	0.00023
51	3.29E-05	0.018968	0	0.343174	0	0	0	0.000131
52	0	3.29E-05	0	0.01361	0	0	0	6.57E-05
53	3.29E-05	0.000197	0	0.021763	0	0	0	0
54								
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2	0	0	0	0.00881	0	3.29E-05	0	0
3	0	0	0	0.003255	0	0	0	0
4	6.57E-05	0.000592	0	0.268253	0	6.57E-05	0	0.00069
5	0	0.000131	0	0.008712	0	0	0	0
6	6.57E-05	0	0	0.009435	0	0	0	0
7	0	0.023637	0	0.60906	0	0	0	0
8	0	0.00355	0	0.491009	0	0	0	0
9	0	0.001381	0	0.556659	0	0	0	0
10	0	0.010388	0	0.700385	0	0	0	0
11	0	0.015615	0	0.439133	0	0	0	0
12	0	0.006608	0	0.632598	0	0	0	0
13	0.000164	0.022585	0	0.295046	0	6.57E-05	0	9.86E-05
14	0.000164	0.008449	0	0.086328	3.29E-05	0	0	3.29E-05
15	0.001545	0.023637	0	0.465334	0	0.000855	0	0.000362
16	0.002597	0.026135	0	0.350143	0.000131	0.001479	0	0.000427
17	0	3.29E-05	0	0.241724	0	6.57E-05	0	0
18	0	9.86E-05	0	0.354055	0	0	0	0
19	0	0.000197	0	0.389987	0	0	0	0
20	0	9.86E-05	0	0.34771	0	0	0	0
21	0	3.29E-05	0	0.233473	0	3.29E-05	0	0
22	0	0	0	0.498767	0	0	0	0
23	0	0.00069	0	0.239784	0	3.29E-05	0	0
24	3.29E-05	0.001742	0	0.026168	0	0	0	0
25	0	0.001085	0	0.029127	0	3.29E-05	0	0
26	0	0.00309	0	0.198626	0	6.57E-05	0	0
27	0.00023	0.014695	0	0.42102	0	0	0	0
28	0	0.016733	0	0.436602	0	0	0	0.000789
29	0.001052	0.013643	0	0.4344	0	0.000427	0	0
30	0.001151	0.03912	0	0.598639	3.29E-05	0	0	0.000164
31	0.00023	0.020579	0	0.351359	0	6.57E-05	0	6.57E-05
32	0.000362	0.017982	0	0.360104	0	0	0	0
33	0	3.29E-05	0	0.04987	0	0	0	0
34	3.29E-05	0	0	0.047405	0	0	0	0
35	0	0.001249	0	0.315888	0	0	0	0
36	0	0.006641	0	0.455143	0	0.000394	0	0.000559
37	0	0.001644	0	0.267497	0	0	0	0.000329
38	0	0.063381	0	0.416582	0	0	0	9.86E-05
39	0	0.001775	0	0.44298	0	9.86E-05	0	9.86E-05
40	0.000855	0.011342	0	0.354548	0	0.000362	0	9.86E-05
41	0	0.002959	0	0.563529	0	0.000197	0	0.000263
42	0.000263	0.014366	0	0.532759	3.29E-05	0.000394	0	0
43	0.00766	0.075216	0	0.048194	0.000493	0.003978	0	0.000394
44	0.001249	0.022453	0	0.367106	9.86E-05	0.000822	0	0.000657
45	0.000625	0.02814	0	0.370755	0	0.00046	0	0.000427
46	0.001907	0.036129	0	0.365462	9.86E-05	0.00023	0	0.000263
47	0.001381	0.027088	0	0.457148	0.000131	0.000197	0	0
48	0.001874	0.014267	0	0.309346	6.57E-05	0.001085	0	0.000427
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2	0.000197	0.006213	0	0.415431	0	6.57E-05	0	0.000362
3	0.00092	0.01075	0	0.282652	0	0	0	0
4	0.00023	0.005063	0	0.29281	0	3.29E-05	0	0
5	0	0.000164	0	0.010322	0	0	0	0
6	0	0	0	0.620106	0	0	0	0
7	0	0.001578	0	0.533219	0	0	0	0
8	0.005654	0.0215	0	0.364213	0	0	0	0
9	0	0	0	0.79286	0	0	0	0
10	0	0.000263	0	0.483809	0	0	0	0
11	0.000329	0.010322	0	0.376409	0	3.29E-05	0	0.000723
12	0	0	0	0.660903	0	0	0	0
13	0.000986	0.042835	0	0.231336	0	0	0	0
14	0	0.000394	0	0.717479	0	0	0	0
15	3.29E-05	0.00286	0	0.191722	0	0	0	0
16	0.00092	0.099477	0	0.294093	0	9.86E-05	0	0
17	0.000427	0.062001	0	0.347119	0	3.29E-05	0	0
18	9.86E-05	0.059305	0	0.214668	0	0	0	0
19	0.001052	0.037772	0	0.178014	0	6.57E-05	0	3.29E-05
20	0.000526	0.047437	0	0.303264	0	0.000329	0	0
21	0.001348	0.044775	0	0.34919	0	9.86E-05	0	0
22	0.000723	0.039515	0	0.385318	0	0.000164	0	3.29E-05
23	0.000559	0.019889	0	0.247313	0	0	0	0
24	6.57E-05	0.031	0	0.105888	0	0	0	0
25	0	0.050725	0	0.637135	0	3.29E-05	0	0
26	0	0.000131	0	0.06966	0	0	0	0
27	0	0.000526	0	0.03248	0	0	0	0
28	0	6.57E-05	0	0.01864	0	0	0	0
29	0	0.000493	0	0.067951	0	0	0	0
30	0	0.000723	0	0.361879	0	0	0	0
31	0	0.000131	0	0.025017	0	0	0	0
32	0	6.57E-05	0	0.101318	0	0	0	0
33	0	3.29E-05	0	0.125152	0	0	0	0
34	0.000822	0.026266	0	0.131267	0	6.57E-05	0	0
35	0.00217	0.001479	0	0.714751	0	0	0	0
36	0.000131	0.008317	0	0.289391	0	0.000164	0	0
37	0.000296	0.025839	0	0.465268	0	0.000131	0	0
38	0	0.039811	0	0.456655	0	0	0	6.57E-05
39	0.000329	0.014958	0	0.701568	0	3.29E-05	0	0
40	0.002005	0.013117	0	0.339656	0	0	0	0
41	0.002663	0.041191	0	0.51024	0	0	0	0
42	9.86E-05	0.017029	0	0.425096	0	0	0	0.000197
43	0	0.027812	0	0.636806	0	0	0	3.29E-05
44	3.29E-05	0.013314	0	0.404813	0	6.57E-05	0	0
45	0.000427	0.003255	0	0.048621	0	0.000296	0	9.86E-05
46	0.000888	0.006378	0	0.054867	0	0.000131	0	6.57E-05
47	0.001085	0.004044	0	0.09001	0.000131	0.000559	0	0.000329
48	0.000296	0.002498	0	0.017719	0	0.000164	0	9.86E-05
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2	0.000657	0.020711	0	0.26638	9.86E-05	0.001052	0	0.001348	0
3	0.000986	0.026891	0	0.254972	0	0.000723	0	0.000263	0
4	0.000822	0.013643	0	0.274795	6.57E-05	0.000329	0	0	0
5	0	0.005654	0	0.353365	0	0	0	0.000592	0
6	0	0.028568	0	0.615109	0	0.000164	0	6.57E-05	0
7	9.86E-05	0.004438	0	0.532562	0	0.000197	0	3.29E-05	0
8	0.007068	0.032874	0.000131	0.297972	0.000197	0.001841	0	0.00046	0.000131
9	0.004602	0.025215	0	0.34199	6.57E-05	0.00092	0	0.00069	0.000131
10	0.015286	0.036523	0	0.319439	0.000164	0.004833	0	0.001775	0.000131
11	0.006739	0.016667	0	0.435813	9.86E-05	0.001118	0	0.000394	6.57E-05
12	0.003057	0.007956	0	0.109898	9.86E-05	0.000197	0	6.57E-05	0
13	0.012821	0.043821	0	0.3986	0	0.00092	0	6.57E-05	0.000131
14	0.005819	0.018212	0	0.204477	0.000197	0.00332	0	0.001446	0
15	0.005128	0.006213	0	0.400079	0.000164	0.003222	0	0.000657	0
16	3.29E-05	3.29E-05	0	0.127848	0	0	0	9.86E-05	0
17	3.29E-05	3.29E-05	0	0.267432	0	0	0	0.000362	0
18	0	3.29E-05	0	0.025379	0	6.57E-05	0	0	0
19	6.57E-05	0.001348	0	0.090075	0	0	0	0	0
20	0	0.000197	0	0.069397	0	0	0	0	0
21	0	0.000164	0	0.050561	0	0	0	0	0
22	0	9.86E-05	0	0.027614	0	0	0	0	0
23	0	0.000329	0	0.072816	0	0	0	3.29E-05	0
24	0	0.001446	0	0.237023	0	0	0	0	0
25	0	0	0	0.098787	0	0	0	0	0
26	0	0.000131	0	0.004011	0	0	0	0	0
27	0	0	0	0.004931	0	0	0	0	0
28	0.00023	0	0	0.014235	0	0	0	0	0
29	0	0	0	0.079654	0	0	0	0	0
30	0.000362	0.00618	0	0.107071	0	0	0	9.86E-05	0
31	9.86E-05	0.002663	0	0.050528	0	6.57E-05	0	0	0
32	0	0.000756	0	0.048588	0	0	0	0	0
33	0.000164	0.001578	0	0.26638	0	0	0	0	0
34	0	0.002334	0	0.303363	0	3.29E-05	0	0.000362	0
35	9.86E-05	0.029883	0	0.278444	0	0.000427	0	0.000559	0
36	3.29E-05	0.017325	0	0.109635	0	0	0	6.57E-05	0
37	0	0.00526	0	0.064105	0	0	0	0	0
38	0	0.17854	0	0.250962	0	0	0	0.000329	0
39	3.29E-05	0.005621	0	0.057727	0	0	0	0	0
40	0	0.069167	0	0.296854	0	0	0	3.29E-05	0
41	0	0.012394	0	0.382425	0	0	0	0	0
42	0	0.01384	0	0.295605	0	0	0	0	0
43	0.000164	0.004307	0	0.544561	0	0	0	0	0
44	3.29E-05	0.004537	0	0.207765	0	0	0	0	0
45	0.000362	0.008712	0	0.282587	0	0	0	0	0
46	0.001446	0.042572	0	0.447483	0	0.004339	0	0	0
47	0	0.014761	0	0.435057	0	0	0	0.00023	0
48	0.000723	0.068345	0	0.343864	0	0	0	3.29E-05	0
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2	9.86E-05	0.037575	0	0.520464	0	9.86E-05	0	9.86E-05
3	0.000164	0.014728	0	0.412867	0	0.00023	0	0.000592
4	0.000855	0.006246	0	0.635918	0	0.000263	0	3.29E-05
5	0	0.010158	0	0.497189	0	0	0	6.57E-05
6	0	0.006936	0	0.490943	0	0	0	0.000263
7	0	0.01361	0	0.374108	0	0	0	9.86E-05
8	0	0.008712	0	0.475065	0	0	0	0.000296
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10	6.57E-05	0.009501	0	0.652257	0	0	0	0
11	6.57E-05	0.015155	0	0.512542	0	0	0	0.000131
12	9.86E-05	0.016733	0	0.470758	0	0	0	0.000329
13	9.86E-05	0.009764	0	0.383576	0	0	0	0.000164
14	0	0.000888	0	0.031921	0	0	0	0
15	0.000197	0.024557	0	0.513199	0	0	0	0
16	0.000131	0.006838	0	0.315165	0	0	0	0.000197
17	0	0.01453	0	0.451428	0	0	0	0
18	0.000263	0.00309	0	0.108222	0	3.29E-05	0	6.57E-05
19	0	0.002235	0	0.626648	0	0	0	0
20	0	0.001709	0	0.641638	0	0	0	0.000131
21	0	0.00023	0	0.636017	0	3.29E-05	0	0
22	0	0.000263	0	0.115323	0	9.86E-05	0	0
23	0.002466	0.029324	0	0.098129	0	0	0	0
24	0.003189	0.020382	0	0.455636	0	9.86E-05	0	3.29E-05
25	0.001841	0.023571	0	0.244124	0	0.000131	0	3.29E-05
26	0.00023	0.00618	0	0.352576	0	3.29E-05	0	3.29E-05
27	0.000394	0.004142	0	0.252244	0	0	0	6.57E-05
28	0.000329	0.00332	0	0.228443	0	0.000131	0	0
29	0.002498	0.023834	0	0.269207	0	0.000263	0	0.000164
30	0.001907	0.040008	0	0.575233	0	0.000493	0	0.000263
31	0	0.033302	0	0.587988	0	3.29E-05	0	0
32	0.00263	0.023965	0	0.472271	3.29E-05	0.00069	0	0.000197
33	0.000723	0.030507	0	0.632138	0.000427	0.00069	0	0.000329
34	0	0.037345	0	0.38282	0	3.29E-05	0	0
35	0	0.020579	0	0.46632	0	0	0	0
36	0.000131	0.000559	0	0.812781	0	9.86E-05	0	0.000131
37	0	0	0	0.760347	0	0	0	0
38	0.001282	0.007758	0	0.674743	0.000362	0	0	0
39	0	0.012196	0	0.41576	0	0	0	0
40	0.003123	0.007725	0	0.407278	0	0	0	0
41	0	0.008646	0	0.402544	0	0.000394	0	0
42	0	0.00309	0	0.132286	0	0	0	3.29E-05
43	0	3.29E-05	0	0.617542	0	3.29E-05	0	0
44	0	3.29E-05	0	0.191328	0	0	0	0
45	0.000197	0.010553	0	0.365791	0	0	0	0
46	0.000855	0.015188	0	0.330287	0	0	0	0
47	0.002794	0.018114	0	0.511194	0	0.00023	0	3.29E-05
48	3.29E-05	0.000164	0	0.142115	0	3.29E-05	0	0
49	0	0.00069	0	0.174759	0	0	0	0
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2	0	9.86E-05	0	0.020119	0	0	0	0
3	0.000164	0.014695	0	0.360071	0	0	0	0
4	0	0.000263	0	0.071994	0	0	0	0
5	0.000822	0.003649	0	0.030474	0	0	0	0
6	0	0.000427	0	0.143299	0	0	0	0
7	0	0	0	0.00194	0	0	0	0
8	0	0.000197	0	0.015681	0	0	0	0
9	0	0	0	0.000493	0	0	0	0
10	0	0.000131	0	0.009665	0	0	0	0
11	0	3.29E-05	0	0.068378	0	0	0	0
12	0	3.29E-05	0	0.052303	0	0	0	0
13	0	0	0	0.056905	0	0	0	0
14	0	3.29E-05	0	0.03672	0	0	0	0
15	0	0	0	0.010092	0	0	0	0
16	0	0.000263	0	0.252244	0	0	0	0
17	0	9.86E-05	0	0.011177	0	0	0	0
18	0	0.000131	0	0.022124	0	0	0	0
19	0.0024	0.045169	0	0.356093	0	0	0.000493	0
20	0.000263	0.018081	0	0.407771	0	0	0	0
21	0.00046	0.008942	0	0.56159	0	0	0	0
22	0.001118	0.020974	0	0.328084	0	0	0	0
23	0.000131	0.003386	0	0.203951	0	0	3.29E-05	0
24	0.000296	0.034091	0	0.395707	0	0	0	0
25	0.000657	0.0191	0	0.327493	0	0	0	0
26	0.001216	0.026365	0	0.09402	0	0	0	0
27	0.000789	0.009797	0	0.236333	0	0	0	0
28	0.000263	0.007331	0	0.313686	0	3.29E-05	0	3.29E-05
29	0.001677	0.026727	0	0.495085	0	0.00046	0	0.00023
30	0.002235	0.012722	0	0.242447	3.29E-05	3.29E-05	0	3.29E-05
31	0	0.008251	0	0.356192	0	6.57E-05	0	0.000756
32	0.000986	0.010388	0	0.496598	3.29E-05	0.000427	0	0.001808
33	9.86E-05	0.003419	0	0.137809	0	3.29E-05	0	3.29E-05
34	0.001381	0.036425	0	0.376541	0	0.000394	0	0.000526
35	0.00046	0.00812	0	0.038561	0	0.000131	0	0
36	0.001808	0.020579	0	0.433479	0	0.000131	0	0.000131
37	0.000263	0.005687	0	0.395049	0	0	0	0
38	0.00069	0.009928	0	0.633256	0	0.000625	0	0.00046
39	0.003682	0.049344	0	0.241494	3.29E-05	0.000329	0	0.000723
40	0.000131	0.007199	0	0.078175	0	0	0	6.57E-05
41	0.004471	0.046254	0	0.219041	0	0.000197	0	0.000493
42	0.001874	0.028995	0	0.320786	0	6.57E-05	0	6.57E-05
43	0.001414	0.01578	0	0.22887	0.000625	6.57E-05	0	9.86E-05
44	0.002038	0.023538	0	0.427792	6.57E-05	0.000263	0	0
45	0.001315	0.013741	0	0.335941	0	0	0	0
46	0.000493	0.001545	0	0.061705	0	0	0	0
47	0.001545	0.009205	0	0.349486	0	0.000625	0	0
48	0.00092	0.004274	0	0.199218	0	0.000822	0	0
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2	0.002268	0.00789	0	0.556823	0	0.000197	0	0
3	0.000986	0.019593	0	0.647852	0	0.00023	0	0
4	6.57E-05	0.000888	0	0.047174	0	0	0	0
5	0.00641	0.030672	0	0.276143	0	0.000329	0	0
6	0.001545	0.00503	0	0.215227	0	0.000164	0	0
7	0.000592	0.017325	0	0.604786	0	0.001151	0	0.00092
8	0.0024	0.007002	0	0.608271	0	0.000164	0	0
9	9.86E-05	0.001841	0	0.683027	0	0	0	6.57E-05
10	0.005621	0.014991	0	0.397054	0.000197	0.001808	0	0.000592
11	0.001414	0.012361	0	0.73099	0	0.000131	0	0.000131
12	0.002433	0.013906	0	0.564713	0	0.000559	0	0.000625
13	0.001479	0.013873	0	0.655051	0	0	0	0.000493
14	0.001808	0.078635	0	0.477826	0.000362	0.002926	0	0.001677
15	0.007693	0.102699	0	0.193596	0	0.000986	0	0.000164
16	0.001085	0.018771	0	0.463493	0	0.000427	0	9.86E-05
17	0.001381	0.019067	0	0.562017	0	0.000197	0	3.29E-05
18	0.000164	0.012426	0	0.360827	0	0.000296	0	0
19	0.000723	0.022815	0	0.36875	0	0.000427	0	9.86E-05
20	0.000329	0.016963	0	0.582366	0	0.000263	0	9.86E-05
21	0.003616	0.00549	0	0.643151	0	0	0	6.57E-05
22	0.003024	0.022256	0	0.483349	0	0	0	0
23	0.000789	0.012952	0	0.539926	0	0.000296	0	0
24	0.000592	0.008251	0	0.59591	0	6.57E-05	0	9.86E-05
25	0.000329	0.002137	0	0.519708	0	0.000164	0	0.000197
26	0.000427	0.018179	0	0.471646	0	0.000493	0	0.000427
27	0.000263	0.061606	0	0.355699	3.29E-05	0.00023	0	0.00046
28	3.29E-05	0.00858	0	0.466288	0	0	0	0
29	0.000131	0.005063	0	0.656004	0	0.000263	0	0.000526
30	0.000559	0.011046	0	0.26753	0	9.86E-05	0	0.000164
31	0.001151	0.027318	0	0.385976	3.29E-05	0.000625	0	0.000559
32	0.008251	0.00881	0	0.205694	0.001019	0.011374	0	0.003518
33	0.001216	0.001775	0	0.428088	0	0.00023	0	0
34	0.001315	0.052369	0	0.707157	0	0.000164	0	0
35	0.002268	0.035734	0	0.459187	0	6.57E-05	0	0
36	0.002761	0.01979	0	0.271672	0	0	0	0
37	0	6.57E-05	0	0.749038	0	0	0	0
38	0	0.000526	0	0.058911	0	3.29E-05	0	0
39	0	0.000263	0	0.073835	0	0	0	0
40	0.000197	0.000362	0	0.009205	0	3.29E-05	0	0
41	0	0.001118	0	0.271771	0	0	0	0
42	6.57E-05	0.010618	0	0.212729	0	0	0	0
43	0	9.86E-05	0	0.090174	0	0	0	0
44	0	0.000329	0	0.025609	0	9.86E-05	0	0
45	0	0.001085	0	0.045498	0	0	0	0
46	0	0	0	0.002597	0	0	0	0
47	0.008416	0.03649	0	0.263421	6.57E-05	0	0	0.000131
48	0.002235	0.002235	0	0.112528	0.00069	0	0	0.002301
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2	0.00023	0.019034	0	0.472172	0	0	0	6.57E-05
3	0	0.017325	0	0.572931	0	0	0	0
4	0.001381	0.020908	0	0.528354	0	3.29E-05	0	0
5	9.86E-05	0.018212	0	0.508366	0	0	0	0
6	0.000888	0.029653	0	0.649791	0	0	0	0
7	6.57E-05	0.011243	0	0.577369	0	0	0	0
8	0	0.000625	0	0.628193	0	0	0	0
9	0	0.000263	0	0.478254	0	0.000625	0	0
10	0	6.57E-05	0	0.594727	0	0	0	0
11	0.000756	0.022815	0	0.336993	0	0.000427	0	0.00069
12	0	0.000493	0	0.380124	0	0	0	0
13	0	0.000493	0	0.31339	0	0	0	0
14	3.29E-05	0.000723	0	0.150367	0	0.001972	0	0
15	9.86E-05	0.002663	0	0.353233	3.29E-05	6.57E-05	0	3.29E-05
16	3.29E-05	0.000855	0	0.61935	0	3.29E-05	0	0
17	3.29E-05	0.000197	0	0.37996	0	0	0	0
18	0	0.00046	0	0.513659	0	0	0	0
19	0	0.000131	0	0.548867	0	6.57E-05	0	0
20	3.29E-05	9.86E-05	0	0.27588	0	0	0	0
21	0	3.29E-05	0	0.056412	0	0	0	0
22	3.29E-05	0.001183	0	0.514119	0	0	0	0
23	3.29E-05	9.86E-05	0	0.053125	0	0	0	0
24	0	0.000197	0	0.304941	0	0	0	0
25	0	0.000855	0	0.227029	0	0	0	0
26	0.000394	0.008942	0	0.220257	0	0.00023	0	0.000329
27	9.86E-05	0.008975	0	0.644499	0	0	0	0
28	0.00092	0.002433	0	0.546172	0	0	0	0
29	0.000756	0.005194	0	0.514317	0	0.000131	0	0.00023
30	0.021697	0.116112	0	0.326506	0.000164	0.002926	0	0.001348
31	0.000394	0.010848	0	0.411585	0	6.57E-05	0	0.000657
32	0.000559	0.017292	0	0.44173	0	9.86E-05	0	0.000296
33	0.000855	0.0167	0	0.441566	0	0.000164	0	9.86E-05
34	0.000657	0.007462	0	0.318387	0	0	0	0.000131
35	0.007397	0.169499	0	0.231336	0	0.00023	0	9.86E-05
36	0.001151	0.019593	0	0.358657	0	9.86E-05	0	0
37	0	0.002729	0	0.157862	0	0	0	6.57E-05
38	0.031099	0.023604	0	0.11575	0.000131	0	0	0.000362
39	0.000164	0.012821	0	0.422631	0	0.000888	0	0
40	0.001151	0.002203	0	0.724021	0	0	0	0.00023
41	0.001446	0.00194	0	0.661593	0	0	0	9.86E-05
42	0.005589	0.016569	0	0.427101	0	0	0	0.000526
43	0.003255	0.031526	0	0.272067	9.86E-05	0.004208	0	0.001545
44	0.000789	0.01052	0	0.348434	0	0	0	0.000723
45	0.014202	0.070778	0	0.502646	0.00023	0.000953	3.29E-05	0.000493
46	0.004175	0.040468	0	0.34896	0.000362	0.003649	0	0.001578
47	0.001545	0.013084	0	0.6993	6.57E-05	0.000427	0	0.000329
48	0.001216	0.009862	0	0.538742	0	0.00092	0	0.000559
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2	6.57E-05	0.003287	0	0.827443	0	0	0	0.000197	0
3	0	0.006936	0	0.679904	0	0	0	6.57E-05	0
4	0.00023	0.013709	0	0.640028	0	0	0	6.57E-05	0
5	0.000888	0.027614	0	0.520596	3.29E-05	9.86E-05	0	0.000263	0
6	0.005161	0.040501	0	0.445544	0	0	0	0.000263	0
7	0.003583	0.027417	0	0.643611	0	0	0	0.000263	0
8	0.008975	0.026497	0	0.616983	0	3.29E-05	0	0.00046	0
9	0.000986	0.054407	0	0.540419	0	6.57E-05	0	0.000526	6.57E-05
10	0.000986	0.034912	0	0.695552	0	0	0	0.000756	0
11	0.001611	0.020415	0	0.623689	0	0	0	0.000559	0
12	0.002729	0.012985	0	0.495118	0	0	0	0.000362	0
13	0.001118	0.008843	0	0.668497	0	0	0	0.000263	0
14	0.004274	0.019494	0	0.470298	0	0	0	0.000953	0
15	0.000164	0.011013	0	0.064368	0	6.57E-05	0	0.000131	0
16	3.29E-05	0.006608	0	0.285479	0	3.29E-05	0	0.00023	0
17	6.57E-05	0.003978	0	0.175647	0	3.29E-05	0	9.86E-05	0
18	3.29E-05	0.002531	0	0.030442	0	0	0	0	0
19	3.29E-05	0.008942	0	0.442618	0	9.86E-05	0	0.000296	0
20	6.57E-05	0.008482	0	0.41119	0	9.86E-05	0	0.00023	0
21	6.57E-05	0.007627	0	0.421743	0	6.57E-05	0	0.000164	0
22	9.86E-05	0.004504	0	0.27759	0	0	0	0	0
23	0.000164	0.004044	0	0.386206	0	6.57E-05	0	0.000296	0
24	3.29E-05	0.007725	0	0.261087	0	3.29E-05	0	9.86E-05	0
25	9.86E-05	0.004471	0	0.186594	0	0	0	0.000131	0
26	0.000756	0.025642	0	0.354614	0	0.000329	0	0.000197	0
27	0	0.000197	0	0.011802	0	0	0	0	0
28	3.29E-05	0.000888	0	0.01601	0	3.29E-05	0	3.29E-05	3.29E-05
29	0	3.29E-05	0	0.001151	0	0	0	0	0
30	0	6.57E-05	0	0.022585	0	0	0	0	0
31	0	0	0	0.007528	0	0	0	0	0
32	0	6.57E-05	0	0.005194	0	0	0	0	0
33	0	3.29E-05	0	0.00572	0	0	0	0	0
34	0	0	0	0.002203	0	0	0	0	0
35	0	0	0	0.003583	0	3.29E-05	0	0	0
36	0	0.000164	0	0.001479	0	6.57E-05	0	0	0
37	0.002038	0.029159	0	0.319767	0	0.000329	0	9.86E-05	0
38	0.001315	0.023702	0	0.261284	3.29E-05	9.86E-05	0	0.000197	0
39	0.001052	0.013774	0	0.46849	0	0.000723	0	3.29E-05	0
40	0.006082	0.04369	0	0.240639	0	0.000263	0	0.000263	0
41	0.000723	0.005424	0	0.398764	0.000131	0.000723	0	0.00023	0
42	0.004964	0.039811	0	0.39071	0.000164	0.001118	0	0.000394	0
43	0.000592	0.00092	0	0.543082	0	3.29E-05	0	0.000164	0
44	0.00092	0.008679	0	0.459976	0	6.57E-05	0	0.000131	0
45	0.002466	0.027023	0	0.545613	0	3.29E-05	0	0	0
46	0.001019	0.032776	0	0.43463	0	0	0	0	0
47	0.000263	0.01098	0	0.263158	0	0	0	0	0
48	6.57E-05	0.006871	0	0.251948	0	3.29E-05	0	0	0

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2	0.000592	0.014498	0	0.442125	0	0	0	0.000131	0
3	0	0.006115	0	0.578849	0	0	0	3.29E-05	0
4	0	0.015681	0	0.620796	0	0	0	0	0
5	0	0.030047	0	0.48187	0	0	0	0	0
6	0	0.006805	0	0.455702	0	0	0	0	0
7									
8	0.00069	0.003682	0	0.173872	0	0.000855	0	3.29E-05	0
9	0.004504	0.004438	0	0.187087	0.000197	0.001282	0	0.000427	0
10	0.003748	0.0334	0	0.630823	6.57E-05	0.000855	0	0	0
11	0.002761	0.003649	0	0.15464	0	0.000394	0	0	0
12	0.000526	0.003255	0	0.54844	0	0.000394	0	9.86E-05	0
13									
14	0.000592	0.001972	0	0.169631	0	6.57E-05	0	6.57E-05	3.29E-05
15	0.000197	0.000263	0	0.365988	6.57E-05	0.000197	0	3.29E-05	3.29E-05
16	0.000263	0.002926	0	0.05467	0	3.29E-05	0	0	0
17	0.00023	0.002959	0	0.087182	0	3.29E-05	0	0	0
18									
19	0.000526	0.007101	0	0.471942	9.86E-05	0.00023	0	0	0
20	0.000888	0.009238	0	0.289523	3.29E-05	0.000296	0	3.29E-05	0
21	0.000197	0.001381	0	0.04964	0	3.29E-05	0	0	0
22	0.002268	0.003156	0	0.156218	9.86E-05	0.000263	0	9.86E-05	0
23									
24	0.000131	0.011079	0	0.351063	0	0.000394	0	0	0
25	0.000526	0.004767	0	0.046517	0	3.29E-05	0	0	0
26	0.006213	0.028469	6.57E-05	0.158322	3.29E-05	0.000493	6.57E-05	9.86E-05	0
27	0.002235	0.019462	0	0.104408	3.29E-05	0.000197	0	0	0
28	0.000131	0.001118	0	0.112758	0	0	0	0	0
29									
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4	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri
5	3.29E-05	0	0	0	0.000329	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	3.29E-05	0	0	3.29E-05	0	0	0	0
10	0	6.57E-05	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0.000131	0	0	0.000131	0	0	0	0
13	0	0	0	0	3.29E-05	0	0	0	0
14	0	0	0	0	0.000164	0	0	0	0
15	0	0	0	0	0.001085	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	3.29E-05	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	3.29E-05	0	0	0	0.000296	6.57E-05	0	0	0
22	0	0	0	0	0.000263	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0.000164	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	9.86E-05	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0.001348	0	0	0	0
39	0	0	0	0	0.005095	0	0	0	0
40	0	0	0	0	0.000394	0	0	0	0
41	0	0	0	0	0.000329	0	0	0	0
42	0	0	0	0	0.000394	0	0	0	0
43	0	0	0	0	0.004076	0	0	0	0
44	0	0	0	0	0.005753	9.86E-05	0	0	0
45	0	0	0	0	0.002137	0	0	0	0
46	0	0	0	0	0.035997	0	0	0	0
47	0	0	0	0	0.001348	0	0	0	0
48	0	0	0	0	0.00092	0	0	0	0
49	0	0	0	0	0.003781	0	0	0	0
50	0	0	0	0	0.001644	0	0	0	0
51	0	0	0	0	0.001611	0	0	0	0
52	0	3.29E-05	0	0	0	0	0	0	0
53	0	0	0.000197	0	0.000625	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
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2	0	0	0	0	3.29E-05	0	0	0	0
3	0	0	0	0	6.57E-05	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	3.29E-05	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	6.57E-05	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0.000131	0	0	0	0
19	0	0.00046	0	0	0	0	0	0	0
20	0	0	0	0	6.57E-05	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	3.29E-05	0	0	0
24	3.29E-05	0.000131	0	0	0	9.86E-05	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0.000131	0	0	0	9.86E-05	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0.000526	6.57E-05	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0.000296	0.000164	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0.000197	0.000329	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	3.29E-05	0	0	0	0
44	0	0	0	0	0.000131	0	0	0	0
45	0	0	0	0	0.000657	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0.000493	0	0	0.000164	0	0	0	0
48	0	0	0	0	0.000526	0	0	0	0
49	0	0	0	0	0.00046	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0.000592	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0.002038	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0.000131	0	0	0	0
4	0	0	0	0	3.29E-05	0	0	0	0
5	0	0	0	0	0.000855	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	3.29E-05	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	9.86E-05	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	3.29E-05	0	3.29E-05	0	0	0	0	3.29E-05	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	6.57E-05	0	0	3.29E-05	0.000197	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0.000131	0	0	0
22	0	0	0	0	0.000197	3.29E-05	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0.000394	6.57E-05	0	9.86E-05	0.000296	0	0	0
27	0	0	0	0	0.001151	0	0	0	0
28	0	0	0	0	0.000526	0	0	0	0
29	0	0	3.29E-05	0	0.00046	0	0	0	0
30	0	0	0	0	0.000362	0	0	0	0
31	0	0	0	0	0.000296	0	0	0	0
32	0	0	0	0	3.29E-05	0	0	0	0
33	0	0	0	0	0.000197	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	6.57E-05	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0.000493	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	3.29E-05	0	0	0	0
41	0	0	0	0	0.000526	0	0	0	0
42	0	0	0	0	0.000559	0	0	0	0
43	0	0	0	0	9.86E-05	0	0	0	0
44	0	0	0	0	0.00069	0	0	0	0
45	0	0	0	0	0.000888	0	0	0	0
46	0	0	0	0	0.001249	0	0	0	0
47	0	0.000164	0	0	0.002005	9.86E-05	0	0	0
48	0	0	0	0	0.001512	0	0	0	0
49	0	0	0	0	0.000625	0	0	0	0
50	0	0	0	0	0.000329	0	0	0	0
51	0	0	0	0	0.000592	0	0	0	0
52	0	0	0	0	0.001019	0	0	0	0
53	0	0	0	0	0.004602	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59									
60									

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2	0	0	0	0	0.000592	0	0	0	0
3	0	0	0	0	0.000164	0	0	0	0
4	0	6.57E-05	0	0	0.000263	0	0	0	0
5	0	0	0	0	3.29E-05	0	0	0	0
6	0	0	0	0	6.57E-05	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	3.29E-05	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0.004438	0	0	0	0
29	0	0	0	0	0.00092	0	0	0	0
30	0	0	0	0	0.002597	3.29E-05	0	0	0
31	0	0	0	0	3.29E-05	0	0	0	0
32	0	0	0	0	3.29E-05	0	0	0	0
33	0	0	0	0	3.29E-05	0	0	0	0
34	0	0	0	0	3.29E-05	0	0	0	0
35	0	3.29E-05	0	0	0.000329	0	0	0	0
36	0	0	0	0	0.001118	0	0	0	0
37	0	0	3.29E-05	0	3.29E-05	0	0	0	0
38	0	0	0	0	3.29E-05	0	0	0	0
39	0	0	0	0	0.000296	0	3.29E-05	0	0
40	0	0	0	0	0.004668	0	0	0	0
41	0	0	0	0	0.000263	0	0	0	0
42	0	0	0	0	0.000263	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0.000526	0	0	0	0
45	0	0	0	0	0.000526	0	0	0	0
46	0	0	0	0	0.000526	0	0	0	0
47	0	0.000362	6.57E-05	0	3.29E-05	0.000362	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0.000362	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	9.86E-05	0	0	6.57E-05	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
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2	0	0	3.29E-05	0	0.000131	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0.000526	9.86E-05	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	3.29E-05	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	9.86E-05	0	0	0	0
16	0	0	0	0	0.00069	0	0	0	0
17	0	0	0	0	0.002663	0	0	0	0
18	0	0	0	0	0.002564	3.29E-05	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	3.29E-05	0	6.57E-05	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0.000197	3.29E-05	0	0	3.29E-05	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0.001183	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	3.29E-05	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	6.57E-05	0	0	0	0
49	0	0	0	0	0.000164	0	0	0	0
50	0	0	0	0	0.00023	0	0	0	0
51	0	0	0	0	0.002137	0	0	0	0
52	0	0	0	0	0.000756	0	0	0	0
53	0	0	0	0	0.000329	0	0	0	0
54	0	0	0	0	0.00023	0	0	0	0
55	0	0	0	0	6.57E-05	0	0	0	0
56	0	0	0	0	0.000625	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0.000164	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0.000263	0	0	0	0
5	0	0	6.57E-05	0	0	0	0	0	0
6	0	0	6.57E-05	0	0	3.29E-05	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0.000559	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0.000164	0	3.29E-05	0	0	0	0
12	0	0	0	0	0.001841	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0.001972	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	6.57E-05	0	0	0.000723	0	0	0	0
19	0	0	0	0	3.29E-05	0	0	0	0
20	0	0	0	0	0.000394	0	0	0	0
21	0	0	0	0	3.29E-05	0	0	0	0
22	0	0	0	0	0.00046	0	0	0	0
23	0	0	0	0	0.000131	0	0	0	0
24	0	0	0	0	0.000756	0	0	0	0
25	0	0	0	0	0.000394	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	3.29E-05	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0.000164	0	0	0	0
41	0	0	0	0	0.000197	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	9.86E-05	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0.003255	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	9.86E-05	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	3.29E-05	0	0.000131	3.29E-05	0	0	0
56	0	0	0	0	3.29E-05	3.29E-05	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0.000953	0.000131	0	0	0
3	0	0	0	0	0.000362	3.29E-05	0	0	0
4	0	0	0	0	3.29E-05	0	0	0	0
5	0	0	0	0	3.29E-05	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0.00526	0	0	0	0
10	0	0	0	0	0.004044	0	0	0	0
11	0	0	3.29E-05	0	6.57E-05	0	0	0	0
12	0	0	0	0	0.003024	0	0	0	0
13	0	0	0	0	0.000657	0	0	0	0
14	0	0	0	0	0.000888	0	0	0	0
15	0	0	0	0	0.008284	0	0	0	0
16	0	3.29E-05	0	0	0.007002	0	0	0	0
17	0	0	0	0	0.000164	0	0	0	0
18	0	0	0	0	0	0.000164	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0.000197	0	0	0	0
32	0	0	3.29E-05	0	0	0	0	0	0
33	0	0	0	0	0.000197	0	0	0	0
34	0	0	0	0	0.000592	3.29E-05	0	0	0
35	0	0	0	0	0.00023	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0.003583	0	0	0	0
46	0	0	0	0	0.000263	0	0	0	0
47	0	0	0	0	9.86E-05	0.001841	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0.000296	0	0	0	0
50	0	0	0	0	0.000197	0	0	0	0
51	0	0	0	0	0.005819	0.000296	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0.01075	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0.000197	3.29E-05	0	0	0
3	0	0	0	0	0.000164	0	0	0	0
4	0	0	0	0	0.000329	0	0	0	0
5	0	0	0	0	9.86E-05	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0.000592	0	0	0	0
8	0	0	0	0	0.001414	0	0	0	0
9	0	0	0	0	6.57E-05	0	0	0	0
10	0	0	0	0	0.000164	0	0	0	0
11	0	0	0	0	0.004734	0	0	0	0
12	0	0	0	0	0.001249	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0.000657	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0.000329	0	0	0	0
17	0	0	0	0	0.000164	0	0	0	0
18	0	0	0	0	6.57E-05	0	0	0	0
19	0	0	0	0	0.000296	0	0	0	0
20	0	0	0	0	0.000493	0	0	0	0
21	0	0	0	0	0.000164	0	0	0	0
22	0	0	0	0	6.57E-05	0	0	0	0
23	0	0	0	0	9.86E-05	0	0	0	0
24	0	0	0	0	6.57E-05	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0.001183	0	0	0	0
27	0	0	0	0	0.002564	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0.000164	0	0	0	0
31	0	0	0	0	6.57E-05	0	0	0	0
32	0	0	0	0	0.000164	3.29E-05	0	0	0
33	0	0	0	0	0.001907	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0.001183	0	0	0	0
36	0	0	0	0	0.002564	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0.00046	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0.005128	0	0	0	0
44	0	0	0	0	3.29E-05	0	0	0	0
45	0	0	0	0	0.000756	0	0	0	0
46	0	0	0	0	3.29E-05	0	0	0	6.57E-05
47	0	0	0	0	0.000197	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0.000822	0	0	0	0
52	0	0	0	0	0.001216	0	0	0	0
53	0	0	0	0	0.000362	0	0	0	0
54	0	0	0	0	0.000362	0	0.000427	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59									
60									

1									
2	0	3.29E-05	0	0	0	0.000164	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	3.29E-05	9.86E-05	0	0	3.29E-05	0	0	0
5	0	0	0	0	9.86E-05	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0.000362	3.29E-05	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	3.29E-05	6.57E-05	0	0	0
27	0	0	0	0	3.29E-05	0	0	0	0
28	0	0	0	0	6.57E-05	0	0	0	0
29	0	3.29E-05	0	0	0	0	0	0	0
30	0	3.29E-05	0.000197	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	3.29E-05	0	0	0.000131	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0.000164	0	0	0	0
39	0	0	0	0	9.86E-05	0	0	0	0
40	0	0	0	0	0.000822	0	0	0	0
41	0	0	0	0	0.000131	0	0	0	0
42	0	0	0	0	0.00023	0	0	0	0
43	0	0	0	0	3.29E-05	0	0	0	0
44	0	0	0	0	0.001216	0	0	0	0
45	0	0	0	0	0.000657	0	0	0	0
46	0	0	0	0	0.000164	3.29E-05	0	0	0
47	0	0	0	0	0.001118	0	0	0	0
48	0	0	0	0	0.000822	0	0	0	0
49	0	0	0	0	0.000329	0	0	0	0
50	0	0	0	0	0.002498	0	0	0	0
51	0	0	0	0	9.86E-05	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0.00023	0	0	0	0
54	0	0	0	0	0.00023	0	0	0	0
55	0	0	6.57E-05	0	9.86E-05	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59									
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2	0	0	0	0	0.000263	0	0	0	0
3	0	0	0	0	0.000592	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0.001709	0	0	0	0
6	0	0	0	0	0.000263	0	0	0	0
7	0	0	0	0	0.000263	0	0	0	0
8	0	3.29E-05	0	0	0.001348	0	0	0	0
9	0	0	0	0	0.000362	0	0	0	0
10	0	0	0	0	6.57E-05	0	0	0	0
11	0	0	0	0	0.001742	0	0	0	0
12	0	0	0	0	0.000756	0	0	0	0
13	0	0	0	0	0.003222	0	0	0	0
14	0	0	0	0	0.000855	0	0	0	0
15	0	0	0	0	0.007627	0	0	0	0
16	0	0	0	0	0.006246	9.86E-05	0	0	0
17	0	9.86E-05	0	0	0.000493	0.000131	0	0	0
18	0	0	0	0	9.86E-05	0	0	0	0
19	0	0	0	0	0	0.000197	0	0	0
20	0	0	0	0	9.86E-05	6.57E-05	0	0	0
21	0	0	0	0	9.86E-05	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	6.57E-05	0	0	0.000362	9.86E-05	0	0	0
24	0	0	0	0	0.001808	9.86E-05	0	0	0
25	0	0	0	0	0.000657	0	0	0	0
26	0	3.29E-05	0	0	0.001183	0	0	0	0
27	0	0	0	0	0.00023	0	0	0	0
28	0	0	0	0	0.00092	0.001249	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	6.57E-05	3.29E-05	0	0	0
31	0	0	0	0	3.29E-05	3.29E-05	0	0	0
32	0	6.57E-05	0	0	0.001216	0.000526	0	0	0
33	0	0	0	0	0.009534	0	0	0	0
34	0	0	0	0	9.86E-05	0	0	0	0
35	0	0	0	0	0.000164	0	0	0	0
36	0	0	0	0	0.000164	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	3.29E-05	6.57E-05	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0.001414	0.000789	0	0.004635	0.002104	0	0	0
57	0	3.29E-05	0	0	0.045597	3.29E-05	0	0	0
58									
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2	0	0	0	0	0.00023	0	0	0	0
3	0	0	0	0	9.86E-05	0	0	0	0
4	0	0	0	0	0.000197	0	0	0	0
5	0	0	0	0	0.000164	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	3.29E-05	0	0	6.57E-05	0	0	0
10	0	9.86E-05	0.00046	0	0	0	0	0	0
11	0	0.000263	0	0	0	0	0	0	0
12	0	0	0	0	0.002038	0	0	0	0
13	3.29E-05	0.00023	9.86E-05	0	0	0	0	0	0
14	0	9.86E-05	0	0	0	0	0	0	0
15	0	0	0	0	0	0.000131	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	3.29E-05	0	0	0	0
19	0	0	0.000131	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	3.29E-05	0	0	0.000789	0.000296	0	0	0
31	0	0	0	0	0.000723	0	0	0	0
32	0	0	0	0	6.57E-05	0	0	0	0
33	0	0.000164	0	0	0.000131	0	0	0	0
34	0	0	0	0	0.001446	0	0	0	0
35	0	0	0	0	0.000164	0	0	0	0
36	0	0	0	0	0.000131	0	0	0	0
37	0	0	0	0	0.000164	0	0	0	0
38	0	0	0	0	0.000131	0	0	0	0
39	0	0	0	0	0.000164	0	0	0	0
40	0	0	0	0	9.86E-05	0	0	0	0
41	0	0	0	0	6.57E-05	0	0	0	0
42	0	0	0	0	0.000131	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0.001775	0	0	0	0
45	0	0	0	0	0.000394	0	0	0	0
46	0	0	0	0	0.00046	0	0	0	0
47	0	0	0	0	0.000657	0	0	0	0
48	0	0	0	0	0.011637	0	0	0	0
49	0	0	0	0	0.004668	3.29E-05	0	9.86E-05	0
50	0	0	0	0	0.000131	0	0	0	0
51	0	0	0	0	0.003518	0.000197	0	0	0
52	0	0	0	0	0.006641	3.29E-05	0	0	0
53	0	3.29E-05	6.57E-05	0	0.000657	0.000131	0	0	0
54	0	0	0	0	6.57E-05	0	0	0	0
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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0.000131	6.57E-05	0	9.86E-05	9.86E-05	0	0	0
5	0	0	0	0	0.000263	0	0	0	0
6	0	0	0	0	0.002005	0	0	0	0
7	0	0	0	0	0.001118	0	0	0	0
8	0	0	0	0	0.002268	0	0	0	0
9	0	0	0	0	0.001644	0	0	0	0
10	0	0	0	0	0.000756	0	0	0	0
11	0	0	0	0	0.003255	0.000329	0	0	0
12	0	0	0	0	0.000822	0	0	0	0
13	0	0	0	0	0.004142	0.00023	0	0	0
14	0	0	0	0	0.003123	0.000329	0	0	0
15	0	0	0	0	6.57E-05	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	3.29E-05	0	0	0	0
23	0	0	0	0	0.000164	0	0	0	0
24	0	0	0	0	0.000164	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	3.29E-05	0	0	0	0
27	0	3.29E-05	0	0	3.29E-05	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0.001348	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0.000131	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	3.29E-05	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0.000131	3.29E-05	0	9.86E-05	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0.000329	6.57E-05	0	0	0
44	0	0.000197	0.000394	0	0.00023	0.000625	0	0	0
45	0	0	0	0	9.86E-05	0	0	0	0
46	0	0	0	0	0.000296	0	0	0	0
47	0	0	0	0	0.001972	0	0	0	0
48	0	0	0	0	0.003682	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0.003978	0	0	0	0
51	0	0	0	0	6.57E-05	0	0	0	0
52	0	0	0	0	9.86E-05	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
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2	0	0	0	0	0.000888	0.00023	0	0	0
3	0	0	0	0	0.000131	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0.000493	0	0	0	0
7	0	0	0	0	0.001414	0	0	0	0
8	0	6.57E-05	0	0	0.003616	0.00023	0	0	0
9	0	6.57E-05	0	0	0.003024	0.000296	0	0	0
10	0	0	0	0	0.000362	3.29E-05	0	0	0
11	0	0	0	0	0.001151	9.86E-05	0	0	0
12	0	0	0	0	9.86E-05	0	0	0	0
13	0	0	0	0	0.000493	6.57E-05	0	0	0
14	0	0	0	0	6.57E-05	0	0	0	0
15	0	0	0	0	3.29E-05	0	0	0	0
16	0	0	0	0	0.000756	0	0	0	0
17	0	0	0	0	0.000362	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0.00046	0	0	0	0
20	0	0	0	0	3.29E-05	0	0	0	0
21	0	0	0	0	3.29E-05	0	0	0	0
22	0	0	0	0	3.29E-05	0	0	0	0
23	0	6.57E-05	0	0	0.001249	0.00023	0	0	0
24	0	3.29E-05	0	0	0.000657	0	0	0	0
25	0	0	0	0	3.29E-05	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
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k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
0.000394	0	0	0	0	0.000986	0	0	0
0.000756	0	0	0	0	0.000131	0	0	0
3.29E-05	0	0	0	0	0.000329	0	0	0
9.86E-05	0	0	0	0	0.00046	0	3.29E-05	0
0	0	0	0	0	0.000427	0	9.86E-05	0
0	0	0	0	0	0.000131	0	0	0
0	0	0	0	0	0.000756	0	0.000131	0
0	0	0	0	0	0.00023	0	0	0
0.000592	0	0	0	0	0.001677	0	0	0
6.57E-05	0	0	0	0	0.004142	0	0	0
0.000197	0	0	0	0	0.000493	0	3.29E-05	0
0.000329	0	0	0	0	0.000427	0	0.001742	0
0.010947	0	0.000164	0	0	0.000263	0	0.00286	0
0.002893	0	6.57E-05	0	0	0.006871	0	0	0
0.000953	0	3.29E-05	0	0	0.004438	0	0.000263	0
0	0	0	0	0	9.86E-05	0	0	0
0	0	0	0	0	0.001019	0	0	0
0.000296	0	0	0	0	3.29E-05	0	3.29E-05	0
0	0	0	0	0	0.000164	0	0	0
0.000164	0	0	0	0	9.86E-05	0	0	0
0.001183	0	3.29E-05	0	0	0	0	9.86E-05	0
0.00023	0	0	0	0	0.000164	0	0.003616	0
0.000789	0	0	0	0	0	0	9.86E-05	0
0	0	0	0	0	0	0	0.000723	0
0	0	0	0	0	0	0	0.001019	0
0	0	0	0	0	0	0	0.001085	0
6.57E-05	0	0	0	0	0	0	0.000427	0
0	0	0	0	0	0.006476	0	0.000362	0
0.000526	0	6.57E-05	0	0	0.032907	0	0.001085	0
0.000559	0	0	0	0	0.004307	3.29E-05	0.002104	0
0	6.57E-05	0	0	0	0.004405	0	0.001677	0
0.000394	0	0	0	0	0.003912	0	0.000723	0
0.000131	0	0	0	0	0.024294	0	0.001315	0
0	0.00046	0	0	0	0.032217	0	0.00194	0
0	0	0	0	0	0.004175	0	0.015122	0
0	0	0	0	0	0.038627	0	0.009238	0
0.000888	3.29E-05	0	0	0	0.004109	0.002564	0.003419	0
0.000394	0	0	0	0	0.008021	0	0.004044	0
0	0.000394	0	0	0	0.053453	0.010421	0.00194	0
0	9.86E-05	0	0	0	0.011111	0.00092	0.009369	0
0	6.57E-05	0	0	0	0.015385	0.004537	0.006706	0
0	6.57E-05	0	0	0	0.001742	0.00194	0.004142	0
0.0024	0	0	0	0	0.002301	0.001381	0.004208	0
0	0	0	0	0	0.00023	0	0.006082	0

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2	6.57E-05	6.57E-05	0	0	0	0.009632	0	0.014235	0
3	0.000329	0	0	0	0	0.001348	0	0.016141	0
4	9.86E-05	0	0	0	0	0.001019	0	0.012262	0
5	0.000164	9.86E-05	0	0	0	0.002498	0	0.016536	0
6	0	0	0	0	0	0.000197	0	0.00309	0
7	0	3.29E-05	0	0	0	0	0	0.00194	0
8	0	0	0	0	0	0.000131	0	0.001019	0
9	6.57E-05	0	0	0	0	6.57E-05	0	0.005194	0
10	0	0	0	0	0	0.00618	0	0.011506	0
11	0	3.29E-05	0	0	0	0	0	0.000592	0
12	0.006147	0	6.57E-05	0	0	0.000493	0	3.29E-05	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	9.86E-05	0	3.29E-05	0	0	3.29E-05	0	0	0
16	0	0	0	0	0	0.009205	0.00743	0.030967	0
17	0	0	0	0	0	0.004405	0.001446	0.004635	0
18	0	0	0	0	0	0.001216	0.000723	0.01029	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0.001019	0
21	0.00023	0	0	0	0	6.57E-05	0	0.012952	0
22	0.002926	0	9.86E-05	0	0	0	0	0.00046	0
23	0	0	0	0	0	6.57E-05	0	0	0
24	0	0	0	0	0	3.29E-05	3.29E-05	9.86E-05	0
25	0	0	0	0	0	6.57E-05	0	3.29E-05	0
26	0.000855	0	0	0	0	0.003945	0	0.000986	0.000362
27	0	0	0	0	0	0.000164	0	0.000394	0
28	0	0	0	0	0	0.000131	0	0.000164	0.001282
29	0	0	0	0	0	0	0	0.000164	0
30	0.000164	0	0	0	0	0.004471	0	0.002203	0.002696
31	0	0	0	0	0	0.000888	0	0.001019	9.86E-05
32	6.57E-05	0	0	0	0	0.004865	0	0.021565	0
33	9.86E-05	0	0	0	0	0.001611	6.57E-05	0.012657	0
34	0.000855	0	0	0	0	3.29E-05	0	0.000362	0
35	0	6.57E-05	0	0	0	0.003189	0	0.035373	0
36	6.57E-05	0.000131	0	0	0	0.002729	0	0.010881	0
37	0.000362	0	0	0	0	0.014432	0	0.069134	0
38	0	0	0	0	0	0.001085	3.29E-05	0.004208	0
39	0.029587	0	9.86E-05	0	0	0	0	0	0
40	0	0	0	0	0	0.003189	0	0.006049	0
41	0.001249	0	0	0	0	0.003518	0	0.002926	0
42	0.00069	0.000164	0	0	0	0.001315	0	0.006739	0
43	0.000394	0	0	0	0	0.011276	0	0.048128	0
44	9.86E-05	3.29E-05	0	0	0	0.001808	0	0.008383	0
45	0.032578	0	0.000329	0	0	3.29E-05	0	0.001512	0
46	0	0	0	0	0	0	0	6.57E-05	0
47	0	0	0	0	0	0.006509	0	0.002334	0
48	0	0	0	0	0	0.000164	0	6.57E-05	0
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2	0	6.57E-05	0	0	0	6.57E-05	0	6.57E-05	0
3	0	6.57E-05	0	0	0	0.001775	0	0.001446	0
4	0	0	0	0	0	9.86E-05	0	0.001282	0
5	0	3.29E-05	0	0	0	0.00194	0.000329	0.003057	0
6	0	0	0	0	0	9.86E-05	0	0.001841	0
7	0.000263	0	0	0	0	0	0	0.000986	0
8	0	0	0	0	0	0	0	0.000263	0
9	0	0	0	0	0	0	0	0.000986	0
10	0	0	0	0	0	0	0	0.002564	0
11	0	0	0	0	0	0.001282	0	0.018475	0
12	0	0	0	0	0	0.003287	0	0.029422	0
13	6.57E-05	0	0	0	0	0.000756	0	0.015418	0
14	0	0	0	0	0	0.001264	0	0.000211	0
15	0.004073	0	0	0	0	0.002893	0	0.00069	0
16	0.000329	0	0	0	0	0.000131	0	3.29E-05	0
17	0.000592	0	3.29E-05	0	0	0.000427	0	3.29E-05	0
18	0.002137	0	0	0	0	3.29E-05	0	0.000493	0
19	0	0	0	0	0	0.00092	0	0.000296	0
20	0	0	0	0	0	0	0	0	0
21	0.00092	0	0	0	0	6.57E-05	0	0	0
22	0.000164	0	0	0	0	0.000164	0	9.86E-05	0
23	0.000131	6.57E-05	3.29E-05	0	0	0.009895	0.002696	0.028962	0
24	3.29E-05	3.29E-05	0	0	0	0.003452	0.001085	0.041783	0
25	0	0	0	0	0	0.00572	0.001709	0.021631	0
26	0.000131	0	0	0	0	0.001972	0.001545	0.008975	0
27	0	3.29E-05	0	0	0	0.009402	0.001775	0.036359	0
28	0	0	0	0	0	0.000888	0.000296	0.006115	0
29	0	3.29E-05	0	0	0	0.002433	0.000394	0.096091	0
30	3.29E-05	0	0	0	0	0.000164	3.29E-05	0.000559	0
31	0.000131	0	0	0	0	0.00046	0.00023	0.001348	0
32	0	0	0	0	0	0.000164	6.57E-05	0.001841	0
33	0	0	0	0	0	0.004011	0.001479	0.014695	0
34	0.000197	0	0	0	0	0.000263	0	0.002531	0
35	0.000197	0	0	0	0	0.003813	0	0.020185	0
36	0	3.29E-05	0	0	0	0.007758	0	0.030606	0
37	0	3.29E-05	0	0	0	0.003353	0	0.009895	0
38	3.29E-05	0	0	0	0	0.003255	0	0.018508	0
39	3.29E-05	0	0	0	0	0.002268	0	0.004109	0
40	0	9.86E-05	0	0	0	0.005523	0	0.003945	0
41	0	9.86E-05	0	0	0	0.003353	0	0.009731	0
42	0.00194	0	0	0	0	0.018311	0	0.073408	0
43	0.002564	3.29E-05	0	0	0	0.017456	0.000197	0.060357	0
44	3.29E-05	0	0	0	0	0.00263	0	0.008942	0
45	9.86E-05	0	0	0	0	0.001841	0	0.011736	0
46	0.000131	0	0	0	0	0.004931	0	0.051711	0
47	3.29E-05	9.86E-05	0	0	0	0.002597	0	0.022552	0
48	6.57E-05	3.29E-05	0	0	0	0.005884	0	0.007462	0

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2	3.29E-05	3.29E-05	0	0	0	0.003123	0	0.019823	0
3	0	0	0	0	0	0.000394	0	0.004504	0
4	0	9.86E-05	0	0	0	0.002301	0	0.026628	0
5	0	3.29E-05	0	0	0	0.000789	0	0.014465	0
6	0	0	0	0	0	0.000756	0	0.005424	0
7	0.000427	0	0	0	0	0	0	0.019757	0
8	0	0	0	0	0	6.57E-05	0	0.006246	0
9	0.000296	0	0	0	0	0	0	0.002071	0
10	0	0	0	0	0	0	0	0.002433	0
11	0.000164	0	0	0	0	0	0	0.012854	0
12	0	0	0	0	0	0	0	0.00023	0
13	0.025642	0	0.000394	0	0	0	0	6.57E-05	0
14	0	0	0	0	0	0	0	0.001249	0
15	0.002367	0	0	0	0	0	0	0.002038	0
16	0.001644	0	0	0	0	0	0	0.001019	0
17	0	0	0	0	0	3.29E-05	0	0.002334	0
18	0	0	0	0	0	3.29E-05	0	0.000164	0
19	0	0	0	0	0	6.57E-05	0	0.001118	0
20	0.000953	0	0	0	0	0	0	0.001414	0
21	0	0	0	0	0	0.000197	0	0.001907	0
22	0.002071	0	3.29E-05	0	0	0	0	0.001446	0
23	0.000164	0	0	0	0	0.00023	0	0.000394	0
24	0.000723	0.000131	0	0	0	0.007364	0	0.003255	0
25	0	9.86E-05	0	0	0	0.003452	0.000329	0.007923	0
26	0.000625	0	0	0	0	0.009731	0	0.005358	0
27	0.000592	0	0	0	0	0.001545	0	0.005293	0
28	0.001019	0	0	0	0	0.001874	0	0.02219	0
29	0.004339	0	0	0	0	0.002071	0	0.015648	0
30	0.00641	0	3.29E-05	0	0	0.003024	0	0.013906	0
31	0.00194	0	0	0	0	0.001348	0.000197	0.003945	0
32	0.000625	0	0	0	0	0.002926	0	0.004537	0
33	3.29E-05	0	0	0	0	0.002827	3.29E-05	0.0119	0
34	0.01601	0	0.000131	0	0	0.009205	0	0.06394	0
35	0.000592	0	0	0	0	0.022124	0.013446	0.005424	0
36	0	0	0	0	0	0.002696	0	0.004274	0
37	0	0	0	0	0	0.00641	0	0.026069	0
38	0	0	0	0	0	0.001907	0	0.008712	0
39	0.001249	0	0	0	0	0.01006	3.29E-05	0.027614	0
40	9.86E-05	0	0	0	0	6.57E-05	0	0.007199	0
41	0	0	0	0	0	0.000164	0	0.009632	0
42	3.29E-05	0	0	0	0	0.000789	0	0.012163	0
43	0.000197	0	3.29E-05	0	0	0.000329	0	0.00595	0
44	0	6.57E-05	0	0	0	0	0	0.001052	0
45	0	9.86E-05	0	0	0	0	0	0.017292	0
46	0	0	0	0	0	0.00023	0	0.012196	0
47	0	0	0	0	0	0	0	6.57E-05	0
48	0.000953	0	0	0	0	9.86E-05	0	0.000131	0

1										
2	0	0	0	0	0	0.001085	3.29E-05	6.57E-05	0	
3	0	0	0	0	0	0	0	0	0	
4	0.006575	0	6.57E-05	0	0	0.000657	0	0	0	
5	3.29E-05	0	0	0	0	6.57E-05	0	0.000131	0	
6	0	0	0	0	0	0.000164	0	0	0	
7	0.000559	0	0	0	0	0.000756	0	0.00503	0	
8	3.29E-05	0	0	0	0	0.000296	0	0.000855	0	
9	3.29E-05	0	0	0	0	0.000131	9.86E-05	0.000592	0	
10	0	3.29E-05	0	0	0	0.000592	0	0.002137	0	
11	0	0	0	0	0	0.001709	0	0.00309	0	
12	0.000986	0	0	0	0	0.000822	0	0.001446	0	
13	0.00046	0	0	0	0	0.009336	0	0.018212	0.000394	
14	0	0	0	0	0	0.002794	0	0.002564	0.003419	
15	3.29E-05	0	0	0	0	0.013248	0	0.005687	0	
16	6.57E-05	0.000164	3.29E-05	0	0	0.019034	0	0.017522	0	
17	0.00263	0	0	0	0	0.000164	0	0.002466	0	
18	0.001052	0	0	0	0	0	0	3.29E-05	0	
19	0.000789	0	0	0	0	0	0	0	0	
20	0.000197	0	0	0	0	0	0	0	0	
21	0.001446	0	0	0	0	0	0	3.29E-05	0	
22	0.000296	0	0	0	0	0.001118	0	0	0	
23	0.001183	0	0	0	0	0.007167	0	0	0	
24	0	0	0	0	0	0.000888	0	0.002696	0	
25	0	0	0	0	0	0.000263	0	0.000888	0	
26	0.001019	3.29E-05	0	0	0	0.002137	0	0.009336	0	
27	0.006279	0	6.57E-05	0	0	0.00595	0	0.026661	0	
28	0.002926	0	0	0	0	0.004011	0	0.003485	0	
29	6.57E-05	0	0	0	0	0.005917	0.000789	0.005227	0	
30	0	0	0	0	0	0.002729	0	0.024294	0	
31	0.000164	0	0	0	0	0.000855	0	0.006213	0	
32	0.000197	6.57E-05	0	0	0	0.00069	0.00023	0.009271	0	
33	6.57E-05	0	0	0	0	0	0	0.000131	0	
34	0	0	0	0	0	0.000131	0	0.002893	0	
35	0.000131	0	0	0	0	0.000559	0	0.004504	0	
36	0.000756	0	0	0	0	0.003846	0	0.01739	0	
37	0.000493	0	0	0	0	0.007495	0	0.02814	0	
38	0.001151	6.57E-05	3.29E-05	0	0	0.001742	0	0.038298	0	
39	3.29E-05	0	0	0	0	0.013446	0	0.054177	0	
40	0.000362	0	0	0	0	0.003024	0	0.010881	0	
41	0.000131	0.000329	0	0	0	0.003156	0	0.014761	0	
42	0	6.57E-05	0	0	0	0.002005	0	0.003813	0	
43	0	0	0	0	0	0.075775	0	0.006772	0	
44	0	9.86E-05	0	0	0	0.011342	0	0.019725	0	
45	0	6.57E-05	0	0	0	0.013084	0	0.040797	0	
46	0	3.29E-05	0	0	0	0.007397	0	0.018574	0	
47	0.000526	0	3.29E-05	0	0	0.008021	0	0.018705	0	
48	0.00457	0	0	0	0	0.011276	0	0.008054	0	
49										
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1									
2	0.001479	0	0	0	0	0.003748	0	0.006246	0
3	0.000197	0	0	0	0	0.00092	0	0.004701	0
4	0	0	0	0	0	0.003682	0	0.010618	0
5	3.29E-05	0	0	0	0	0.000131	0	0	0
6	0.00092	0	0	0	0	0.000263	0	0.001414	0
7	0.004767	0	6.57E-05	0	0	6.57E-05	0	0.000197	0
9	0	0	0	0	0	0.00457	0.000657	0.010027	0
10	0.000362	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0.000263	0
12	0	0	0	0	0	0.000756	0	0.009303	0
13	0.000789	0	0	0	0	0.000296	0	0	0
15	0	0	0	0	0	0.00618	0.002597	0.007528	0
16	0.007594	0	6.57E-05	0	0	0	0	0.000625	0
17	0.000197	0	0	0	0	0.002367	0	0.002959	0
18	0.000526	0	0	0	0	0.012426	0.011342	0.03008	0
19	0.000131	3.29E-05	0	0	0	0.012689	0.003452	0.058516	0
20	0	0.000131	0	0	0	0.003419	0.001118	0.019626	0
21	9.86E-05	0	0	0	0	0.004175	0.001808	0.009271	0
22	0.000131	0.000131	0	0	0	0.003057	0.003452	0.008021	0
23	0	3.29E-05	0	0	0	0.008416	0.00194	0.040764	0
24	0	0	0	0	0	0.006871	0.004931	0.037345	0
25	0	0	0	0	0	0.003353	0.003222	0.023571	0
26	9.86E-05	0	0	0	0	3.29E-05	6.57E-05	0.006016	0
27	0.000362	0	0	0	0	0.002531	0.000657	0.024491	0
28	0	0	0	0	0	0	0	3.29E-05	0
29	0.000296	0	0	0	0	6.57E-05	0	0	0
30	9.86E-05	0	3.29E-05	0	0	3.29E-05	0	3.29E-05	0
31	0	0	0	0	0	0	0	3.29E-05	0
32	0.00069	0	0	0	0	0.001118	0.000131	9.86E-05	0
33	0	0	0	0	0	0	0	0	0
34	0.000131	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0.00023	0	0.001282	0
36	0.001545	0	0	0	0	0.00194	0	0.003485	0
37	3.29E-05	0	0	0	0	0.001446	0	0.002137	0
38	0.00046	0	0	0	0	0.000953	0	0.010027	0
39	0.001118	0	0	0	0	0.000953	0	0.00641	0
40	0.002729	0	0.000131	0	0	0.000164	0	0.0668	0
41	0.000197	0	0	0	0	0.000263	3.29E-05	0.005687	0
42	0	0	0	0	0	0.004833	0	0.004307	0
43	0.001052	0	3.29E-05	0	0	0.001348	0	0.010158	0
44	0	0.000263	0	0	0	0.000986	3.29E-05	0.010783	0
45	0.000362	6.57E-05	0	0	0	0.001644	0	0.013676	0
46	0	0	0	0	0	0.001512	9.86E-05	0.002433	0
47	3.29E-05	0	0	0	0	0.00092	0	0.003024	0
48	0.000657	0	0	0	0	0.000822	0	0.001907	0
49	6.57E-05	0	0	0	0	0.00069	3.29E-05	0.003123	0
50	0.000131	0	0	0	0	0.000789	0	0.000986	0

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2	0.000822	0	0	0	0	0.010783	0.000362	0.037082	0
3	6.57E-05	0	0	0	0	0.002367	0	0.007528	0
4	6.57E-05	0	0	0	0	0.000723	0.000296	0.003024	0
5	0	0	0	0	0	0	0	0.010651	0
6	0.00046	0	0	0	0	0.012163	0	0.088432	0
7	0.000657	0	6.57E-05	0	0	0.004734	0	0.019823	0
8	0	0	0	0	6.57E-05	0.030967	0	0.001381	0
9	0.000723	0	0	0	0	0.021861	0	0.003419	0
10	0.000822	0.000263	0	0	0	0.010848	0	0.000394	0
11	0	6.57E-05	0	0	0	0.016273	0	0.001019	0
12	0.000427	0	0	0	0	0.00263	0	0.001775	0
13	0.000427	0	0	0	0	0.004865	0	0.000888	0
14	6.57E-05	9.86E-05	0	0	0	0.043854	0	0.000559	0
15	0	0	0	0	0	0.002729	0	0.00023	0
16	0	0	0	0	0	0.001841	0	0.007528	0
17	0.000164	0	3.29E-05	0	0	0.005753	0	0.024097	0
18	0.000723	0	0	0	0	0.000559	0	0.002334	0
19	9.86E-05	0	0	0	0	0.000493	0	0.00069	0
20	0	0	0	0	0	0.004142	0	0.020744	0
21	0	0	0	0	0	0.004076	0	0.010191	0
22	0	0	0	0	0	0.00023	0	0.000296	0
23	0	0	0	0	0	0.000986	0	0.006509	0
24	0.000723	0	0	0	0	0.001216	0	0.019494	0
25	3.29E-05	0	0	0	0	0	0	0	0
26	0	0	3.29E-05	0	0	3.29E-05	0	0	0
27	0	6.57E-05	0	0	0	3.29E-05	0	0	0
28	9.86E-05	0	0	0	0	9.86E-05	0	0	0
29	3.29E-05	3.29E-05	0	0	0	0.000164	0	0	0
30	6.57E-05	0	0	0	0	0.003813	0	0.009336	0
31	6.57E-05	0	0	0	0	0.000197	0	0.001019	0
32	0	3.29E-05	0	0	0	0.000263	0	0.000657	0
33	0.001611	0	0	0	0	0	3.29E-05	0.001019	0
34	0	3.29E-05	0	0	0	0.001808	0	0.009303	0
35	0	0	0	0	0	0.005128	0	0.024623	0
36	0	0	0	0	0	0.001052	0	0.005819	0
37	9.86E-05	0	0	0	0	9.86E-05	0	0.000625	0
38	0.005852	0	6.57E-05	0	0	0.010684	0	0.005852	0
39	0.003715	0	0	0	0	3.29E-05	0	0.000723	0
40	0.000329	0	6.57E-05	0	0	0.003452	0	0.016075	0
41	0.002334	0	0	0	0	0.00092	0	0.013051	0
42	0	0	0	0	0	0.003583	0	0.018015	0
43	0	0	0	0	0	0.002005	0	0.008153	0
44	0	0	0	0	0	0.00263	0	0.000394	0
45	0	0	0	0	0	0.000427	3.29E-05	0.00069	0
46	9.86E-05	6.57E-05	3.29E-05	0	0	0.062724	0	0.004537	0
47	0.001611	0	0	0	0	0.006509	0	0.04129	0
48	0.000526	0	3.29E-05	0	0	0.004076	0	0.061902	0

1										
2	0	0	0	0	0	0.004339	0.000559	0.022617	0	
3	0	3.29E-05	0	0	0	0.002992	0	0.018541	0	
4	0.000493	0	0	0	0	0.001677	0	0.000723	0	
5	6.57E-05	9.86E-05	0	0	0	0.005654	0	0.003353	0	
6	0.000131	3.29E-05	6.57E-05	0	0	0.003386	0	0.003024	0	
7	6.57E-05	0	0	0	0	0.008712	0	0.004274	0	
8	3.29E-05	0	0	0	0	0.003583	0	0.002367	0	
9	0	0	0	0	0	0.000657	0	0.00069	0	
10	0	0.000164	0	0	0	0.002531	0	0.01029	0	
11	0	0	0	0	0	0.014465	0	0.008843	0	
12	0	9.86E-05	0	0	0	0.002301	0	0.006115	0	
13	0	0	0	0	0	0.000493	0	0.003057	0	
14	0	6.57E-05	0	0	0	0.007068	0	0.005293	0	
15	0.000756	0	3.29E-05	0	0	0.017029	0	0.027187	0	
16	0	3.29E-05	0	0	0	0.004076	0	0.001611	0	
17	0	3.29E-05	0	0	0	0.000986	0	0.001381	0	
18	0.000362	0	0	0	0	0.000953	0	6.57E-05	0	
19	0	0	0	0	0	0.000559	0	0.001907	0	
20	0.000526	0	0	0	0	0.000263	0	3.29E-05	0	
21	0.000526	0	0	0	0	0.000131	3.29E-05	0.000789	0	
22	0.000131	0	0	0	0	0.002137	0	0.031329	0	
23	0.000888	0	0	9.86E-05	0	0.00743	0	0.017686	0	
24	0	0	0	0	0	0.001972	0	0.008219	0	
25	0	0	0	0	0	0.002137	0	0.010125	0	
26	0	0	0	0	0	0.002301	0	0.004602	0	
27	0	0	0	0	0	0.002268	0	0.003978	0	
28	0.000329	0	0	0	0	0.006772	0	0.020152	0	
29	6.57E-05	9.86E-05	0	0	0	0.01956	0	0.001085	0	
30	3.29E-05	0	0	0	0	0.000329	0	3.29E-05	0	
31	0.000164	0.000197	0	0	0	0.006936	0	0.000131	0	
32	0	0.000197	0	0	0	0.003649	0	9.86E-05	0	
33	9.86E-05	0	0	0	0	0.000197	0	0.012854	0	
34	0.001085	0	0	0	0	3.29E-05	0	0.010684	0	
35	0	0	0	0	0	0.00286	0.000657	0.00023	0	
36	0	0	0	0	0	0	0	6.57E-05	0	
37	0.000723	0	0	0	0	0.025149	0	0.001677	0	
38	0.001282	0	0	0	0	0.004635	0	0.005063	0	
39	0	0	0	0	0	0.002597	0.00046	0.006082	0	
40	0	0	0	0	0	0.003649	0.001085	0.005523	0	
41	0.001709	0	0	0	0	0.000986	3.29E-05	0.003846	0.000131	
42	0.00023	0	0	0	0	0.000131	0	0.000822	0	
43	0.000164	0	0	0	0	0.000197	0	3.29E-05	0	
44	0	0	0	0	0	0.001709	0.00286	0.003748	0	
45	0	0	0	0	0	0.009369	0.000164	0.006641	0	
46	0.000427	0	0	0	0	0.004767	0	3.29E-05	0	
47	0.009402	0	6.57E-05	0	0	3.29E-05	0	3.29E-05	0	
48	0.017982	0	0.000296	0	0	0	0	0	0	
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2	0	0	0	0	0	0.000756	0	0.000131	0
3	0	0	0	0	0	0.000986	3.29E-05	0.006904	0
4	0.001644	0	3.29E-05	0	0	6.57E-05	0	0.000986	0.00023
5	0.003419	0	3.29E-05	0	0	0.00023	0	0.003912	0
6	0.001512	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	6.57E-05	0
8	0.000329	0	0	0	0	0	0	3.29E-05	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	3.29E-05	0
17	0	0	0	0	0	0	0	0	0
18	6.57E-05	0	0	0	0	3.29E-05	0	3.29E-05	0
19	0.000263	0	0	0	0	0	3.29E-05	3.29E-05	0
20	0	0	0	0	0	3.29E-05	0	0.000263	0
21	0.000559	0	3.29E-05	0	0	0.011243	0	0.036819	0
22	0.000296	0	0	0	0	0.010191	0	0.056313	0
23	0.002071	0	3.29E-05	0	0	0.001118	0	0.004668	0
24	0	0	0	0	0	0.000592	0	0.002334	0
25	0.000592	3.29E-05	0	0	0	0.000427	0	0.000625	0
26	0.000559	0	0	0	0	0.004602	0	0.0215	0
27	0	0	0	0	0	0.003518	0	0.001085	0
28	0.001742	0	0	0	0	0.003189	0	0.009566	0
29	0.000888	0	0	0	0	0.009829	0.001348	0.010914	0
30	0.002235	0	0	0	0	0.001611	0.000164	0.002663	0
31	0.000362	6.57E-05	0	0	0	0.008186	0.000986	0.020513	0
32	0.000559	0	0	0	0	0.000986	0.001315	0.006509	0
33	0	0	0	0	3.29E-05	0.004537	0.00046	0.003912	0
34	0	9.86E-05	0	0	0	0.006542	0.0024	0.007298	0
35	0.000131	0	0	0	0	0.000855	0.000296	0.005424	0
36	0	0	0	0	0	0.010388	0.013117	0.006772	0
37	0	0	0	0	0	0.000559	0.00023	0.001611	0
38	9.86E-05	0	0	0	0	0.002663	0.001775	0.004339	0
39	0	0	0	0	0	0.001972	0	0.001709	0
40	3.29E-05	3.29E-05	0	0	3.29E-05	0.004668	0.004339	0.006312	0
41	0.020481	0	0.000131	0	0	0.010585	0	0.002498	0
42	0.002268	0	0	0	0	0.002696	0	0.000855	0
43	0.000855	9.86E-05	0	0	0	0.008646	0	0.002466	0
44	0.00092	0	0	0	0	0.008679	0	0.011736	0
45	0.000427	0	0	0	3.29E-05	0.007923	0	0.001414	0
46	0.000657	6.57E-05	0	0	0	0.020711	6.57E-05	0.008876	0
47	0.015517	0	0.000197	0	0	0.000986	0	0.003649	0
48	0.007101	0	3.29E-05	0	0	0.000197	0	0.00092	0
49	0.002005	0	0	0	0	0.002893	0	0.005391	0
50	0.00069	0	0	0	0	0.001414	0	0.001644	0
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2	0.000263	0	6.57E-05	0	0	0.004372	0	0.009303	0
3	9.86E-05	0	0	0	0	0.003353	0	0.004602	0
4	0.000953	0	0	0	0	6.57E-05	0	0.00069	0
5	0	0	0	0	0	0.009402	3.29E-05	0.007167	0
6	0.000427	0	3.29E-05	0	0	0.001446	0	0.001644	0
7	0	6.57E-05	0	0	0	0.00526	0.003912	0.012591	0
8	0.00046	0	0	0	0	0.010454	0	0.000263	0
9	0.000263	0	0	0	0	0.001183	0	0.000362	0
10	0.000263	6.57E-05	0	0	0	0.02837	0	0.000362	0
11	0	0.000131	0	0	0	0.00355	0	0.001381	0
12	0	0	0	0	0	0.024557	0	0.002959	0
13	3.29E-05	3.29E-05	0	0	0	0.005326	0	0.005852	0
14	0.000329	0	0	0	0	0.009172	0	0.004307	0
15	0.001118	0	0	0	0	0.018574	0	0.0167	0
16	9.86E-05	9.86E-05	0	0	0	0.01098	0	0.006805	0
17	0.000625	9.86E-05	0	0	0	0.00355	0	0.010454	0
18	0	0	0	0	0	0.003353	0.001282	0.012755	0
19	0	9.86E-05	0	0	0	0.00263	0	0.012722	0
20	0	3.29E-05	0	0	0	0.001907	0	0.008284	0
21	3.29E-05	3.29E-05	0	0	0	0.00263	0	0	0
22	0.00069	0	3.29E-05	0	0	0.004701	0	0.024261	0
23	0.000263	0	0	0	0	0.003353	0	0.011079	0
24	0.000131	0	0	0	0	0.002531	0	0.009501	0
25	9.86E-05	0	0	0	0	0.003287	0	0.002301	0
26	0.00046	9.86E-05	0	0	0	0.005852	0	0.015122	0
27	0	0	0	0	0	0.009008	0	0.00641	0
28	3.29E-05	0	0	0	0	0.002696	0	0.023637	0
29	0.000493	0	0	0	0	0.003518	0	0.018541	0
30	0.000296	3.29E-05	0	0	0	0.001216	0	0.003353	0
31	0.00641	3.29E-05	0	0	0	0.010585	0	0.013544	0
32	3.29E-05	0.000427	0	0	0	0.052007	0	9.86E-05	0
33	0	3.29E-05	0	0	0	0.004931	0	0.005786	0
34	3.29E-05	0	0	0	0	0.001709	0	0.004372	0
35	0.000657	0	0	0	0	0.006279	0	0.014662	0
36	0.000493	0	0	0	0	0.001841	0	0.006575	0
37	0	0	0	0	0	0	0	0	0
38	0.000197	0	0	0	0	0.000296	0	0.000164	3.29E-05
39	0.000953	0	0	0	0	0.000394	0	6.57E-05	0
40	0.00023	0	0	0	0	0.000263	0	9.86E-05	0
41	0.005227	0	3.29E-05	0	0	3.29E-05	0	6.57E-05	0
42	0.000164	0	0	0	0	0.00355	3.29E-05	0.002235	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	9.86E-05	0	6.57E-05	0
45	3.29E-05	0	0	0	0	0	0	3.29E-05	0
46	6.57E-05	0	0	0	0	3.29E-05	0	0	0
47	0.001052	0	0	0	0	0.018771	0	0.037641	0
48	3.29E-05	6.57E-05	0	0	0	0.089188	0	0.001151	0
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2	0	6.57E-05	0	0	0	0.005884	0	0.009797	0
3	0.000526	0	0	0	0	0.000657	0	0.002531	0
4	0.001249	0	0	0	0	0.006936	0	0.004274	0
5	0.000657	0	0	0	0	9.86E-05	0	0.010553	0
6	6.57E-05	0	0	0	0	0.00023	0	0.011572	0
7	0	0	0	0	0	0.002005	0	0.001644	0
8	0.004044	0	3.29E-05	0	0	0	0	0.008646	0
9	0.014235	0	0	0	0	0	0	0.000657	0
10	0.001151	0	0	0	0	3.29E-05	0	0.000625	0
11	0.000657	0	3.29E-05	0	0	0.004339	0	0.006575	0
12	3.29E-05	0	0	0	0	0	0	0.001414	0
13	0.00023	0	0	0	0	0.000723	0	0.001118	0
14	3.29E-05	0	0	0	0	0.001479	6.57E-05	0.001742	0
15	9.86E-05	0	0	0	0	0.000329	9.86E-05	0.002992	0
16	0.000559	0	0	0	0	0.000164	0	0.000657	0
17	0.000559	0	0	0	0	0	0	0.000164	0
18	0.001545	0	6.57E-05	0	0	0	0	0.002433	0
19	0.003255	0	3.29E-05	0	0	0	0	0.000263	0
20	0.000822	0	0	0	0	0.000164	0	0.004767	0
21	0	0	0	0	0	0	0	3.29E-05	0
22	0.000362	0	0	0	0	3.29E-05	0	0.000427	0
23	9.86E-05	0	0	0	0	0.000131	0	0.000427	9.86E-05
24	0.000329	0	0	0	0	0	0	0.000723	0
25	0	0	0	0	0	0	0	0.000394	0
26	0.00023	6.57E-05	0	0	0	0.005095	0	0.004405	0
27	0.000723	0	0	0	0	0.000723	0	0.002531	0.000197
28	3.29E-05	0	0	0	0	0.000559	0	6.57E-05	0
29	0.00069	0	3.29E-05	0	0	0.003024	0	0.021237	0
30	0.001709	0	3.29E-05	0	0	0.007101	0.000164	0.008679	0
31	0.000197	6.57E-05	0	0	0	0.037312	0.000394	0.040501	0
32	0.001907	0	0	0	0	0.014563	0.000526	0.024393	0
33	0	3.29E-05	0	0	0	0.009468	0.001216	0.010684	0
34	0.001118	0	3.29E-05	0	0	0.015089	9.86E-05	0.017127	0
35	3.29E-05	9.86E-05	0	0	0	0.01338	0.000493	0.089056	0
36	0.000263	6.57E-05	0	0	0	0.004109	3.29E-05	0.008021	0
37	0.000592	0	3.29E-05	0	0	0.000263	0	0.003715	0
38	3.29E-05	0	0	0	0	0.022486	0	3.29E-05	0
39	0.000131	0	0	0	0	0.002235	0	0.006115	0
40	0	0	0	0	0	0.001479	0	0.002137	0
41	0.001644	0	0	0	0	0.002926	0	0	0
42	3.29E-05	0	0	0	0	0.00595	0	0	0
43	0.001709	0	0	0	9.86E-05	0.031132	0.05181	0.014267	0
44	0.000362	0	0	0	0	0.004602	9.86E-05	0.009632	0
45	0	0	3.29E-05	0	0	0.01933	0.006115	0.001545	0
46	0.000822	9.86E-05	0	0	3.29E-05	0.043394	0.023571	0.001907	0
47	0	0	0	0	0	0.003748	0.00355	0.006115	0
48	0	0	0	0	0	0.001841	0.000362	0.008745	0
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2	3.29E-05	0	0	0	0	3.29E-05	0	0.018936	0
3	0.003485	3.29E-05	0	0	0	0.000855	0	0.009599	0
4	9.86E-05	0	0	0	0	0.00457	0	0.023439	0
5	0.000263	3.29E-05	0	0	0	0.004438	0	0.014925	0
6	0.003353	0	0	0	0	0.00835	0	0.020218	0
7	0.004767	0	0	0	0	0.006772	0	0.010191	0.00023
8	0	0.000263	0	0	0	0.008909	0	0.00572	0
9	0	9.86E-05	0	0	0	0.006838	0	0.002334	0
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11	3.29E-05	3.29E-05	0	0	0	0.001972	0	0.002531	0
12	3.29E-05	0	0	0	0	0.019659	0	0.002696	0
13	3.29E-05	0	0	0	0	0.005852	0	0.005391	3.29E-05
14	9.86E-05	0	0	0	0	0.005128	0	0.003945	0.002827
15	9.86E-05	0.00023	0	0	0	0.028732	0	0.002597	0
16	0.001446	0	0	0	0	0.00069	0	0.002334	0
17	0.000164	0	0	0	0	0.001151	0	0.0048	0
18	0	0	0	0	0	0.000362	0	0.00309	0
19	3.29E-05	0	0	0	0	0.000559	0	0.001808	0
20	0	3.29E-05	0	0	0	0.000362	0	0.00858	0
21	0	0	0	0	0	0.002696	0	0.010092	0
22	0.000263	6.57E-05	0	0	0	0.003781	0	0.018804	0
23	0	0	0	0	0	0.000394	0	0.002203	0
24	0	0	0	0	0	0.001282	0	0.004438	0
25	0.000164	0	0	0	0	0.000592	0	0.00332	0
26	0.000131	0	0	0	0	0.00046	0	0.004701	0
27	3.29E-05	0	0	0	0	0.004044	0	0.011999	0
28	0.000723	0	0	0	0	0	0	3.29E-05	0
29	0.000789	0	0	0	0	0.001019	0.000493	0.000164	0
30	0.000855	0	0	0	0	6.57E-05	0	0	0
31	3.29E-05	0	0	0	0	3.29E-05	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0.001183	0	0	0	0	0	0	6.57E-05	0
34	9.86E-05	0	0	0	0	0	0	0	0
35	0.001315	0	0	0	0	0	0	0	0
36	0.001611	0	3.29E-05	0	0	3.29E-05	0	0	0
37	9.86E-05	0	3.29E-05	0	0	0	0	0	0
38	0.002729	3.29E-05	0	0	0	0.00503	0	0.009829	0
39	0	6.57E-05	0	0	0	0.002893	0	0.0119	0
40	3.29E-05	0	0	0	0	0.002367	0	0.015221	0
41	0.001841	0	0	0	0	0.008054	0	0.014432	0
42	0.000986	6.57E-05	0	0	0	0.025412	0	0.002104	0
43	6.57E-05	3.29E-05	0	0	0	0.027417	0	0.007068	0
44	9.86E-05	3.29E-05	0	0	0	0.004175	0	0.000263	0
45	0	0.000131	0	0	0	0.019297	0	0.003846	0
46	0.000263	0	0	0	0	0.002498	0	0.006871	0
47	0.000657	0	3.29E-05	0	0	0.01361	3.29E-05	0.037214	0
48	0	0	0	0	0	6.57E-05	0	0.003222	0
49	0	0	0	0	0	0.00069	0	0.000855	0
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2	3.29E-05	0.000131	0	0	0	0.004537	0	0.00457	0	
3	0.000493	0	0	0	0	0.001381	0	0.002597	0	
4	0	0	0	0	0	0.00023	0	0.003748	0	
5	0.001512	0	3.29E-05	0	0	0.000526	0	0.00743	0	
6	0.000164	0	0	0	0	0.004865	0	0.004668	0	
7	3.29E-05	9.86E-05	0	0	3.29E-05	0.008251	0	0.000723	0	
8	0.000723	0.000164	0	0	0	0.022223	0	0.000164	0	
9	0.00023	0	0	0	0	0.00549	0	0.001249	0	
10	0	3.29E-05	0	0	0	0.002235	0	0.000197	0	
11	6.57E-05	0	0	0	0	0.003978	0	6.57E-05	0	
12	0.000263	0.000131	0	0	0	0.009665	0	0.01841	0	
13	0	6.57E-05	0	0	3.29E-05	0.001907	0.001381	0.000855	0	
14	0.00286	0	6.57E-05	0	0	0.001479	0	0.004109	0	
15	0.004438	0	3.29E-05	0	0	0.002005	0	0.005589	0	
16	3.29E-05	0	0	0	0	0.015056	0	0.000427	0	
17	0	0	0	0	0	0.007791	0	0.001841	0	
18	6.57E-05	0	0	0	0	0.002301	0	0.000197	6.57E-05	
19	0.00046	0	0	0	0	0.007265	0	0.02002	0.000164	
20	0	0	0	0	0	0.000625	0	0.009369	0.000953	
21	0.000164	0	0	0	0	0.001479	0	0.002564	0	
22	3.29E-05	6.57E-05	0	0	9.86E-05	0.011013	0	0.008054	0.000197	
23	0.000822	0	0	0	0	0.006838	9.86E-05	0.025839	0	
24	0	0	0	0	0	0.000197	0	0.002531	0	
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<https://mc.manuscriptcentral.com/thorax>

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27	0	0	0	0	3.29E-05	0	3.29E-05	0	0
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29	0	0	0	0	0	0	9.86E-05	0	0
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<https://mc.manuscriptcentral.com/thorax>

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58									
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[illegible]

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24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	3.29E-05	0
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27	3.29E-05	0	0	0	0	0	0	9.86E-05	0
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37	0	0	0	0	0	3.29E-05	0	0	0
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21	0	0	3.29E-05	0	0	0	0	0	0
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26	0	0	6.57E-05	0	0	6.57E-05	0	0	0
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28	3.29E-05	0	0	0	0	0	0	0	0
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9	0.000263	0	0	0	0	0	0	0	0
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52	0	0	0	0	9.86E-05	0	0	0	0
53	0	0	0	0	3.29E-05	0	0	0	0
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44	0.000164	0	0	0	0	0	0	0	0
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58									
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17	3.29E-05	0	0	0	0	0	0	0	0
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28	0	0	0	0	0	0	0	0	0
29	9.86E-05	0	0	0	0	0	0	0	0
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9	0	0	0	0	0	6.57E-05	0	0	0
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15	0	0	0	0	0	3.29E-05	0	0	0
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17	0	0	0	0	0	3.29E-05	0	0	3.29E-05
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3.29E-05

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29									

<https://mc.manuscriptcentral.com/thorax>

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11	3.29E-05	0	0	0	0	0	0	6.57E-05	0.000131
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33	6.57E-05	0	0	0	0	0	0	0	0
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42	0	0	0	0	0	0	0	0	0
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46	0	0	0	0	0	0	0	0.00046	0
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49	0	0	0	0	0	3.29E-05	0	0.000164	0
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26	0	0	0	0	0	0	0	9.86E-05	0
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22	0	0	0	0	0	0	9.86E-05	0	0
23	0	0	0	0	0	0	0	0	0
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26	0	0	0	0	0	0	9.86E-05	3.29E-05	0
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43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0.000164	0	0
45	0	0	0	0	0	0	6.57E-05	0	0
46	0	0	0	0	0	0	6.57E-05	0	0
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51	0	0	0	0	0	0	6.57E-05	0	0
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54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	3.29E-05	3.29E-05	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
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7	0	3.29E-05	0	0	0	0	0	0	0
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33	0	0	0	0	0	0	0	9.86E-05	0.000164
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41	0	0	0	0	0	0	0	0	3.29E-05
42	0	0	0	0	0	0	0	0	0
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56	0	0	0	0	0	0	0	0.000197	0
57	0	0	0	0	0	0	0	6.57E-05	0
58									
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7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	6.57E-05	0	0.000131	0
9	0	0	0	0	0	0	0	9.86E-05	0
10	0	0	0	0	0	0	0	3.29E-05	0
11	0	0	0	6.57E-05	0	0	0	0	0
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45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	9.86E-05	0
47	0	0	0	0	0	0	0	0.000164	0
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58									
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5	0	0	0	0	0	0	0	0.000263	9.86E-05
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48	0	0	0	0	0	0	0	3.29E-05	0
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53	0.000197	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	6.57E-05	0
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58									
59									
60									

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19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	6.57E-05	0	0
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27	0	0	0	0	0	0	3.29E-05	0	0
28	0	0	0	0	0	0	9.86E-05	0	0
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13	3.29E-05	0	0	0	0	0	0	0	0
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33	0	0	0	0	0	0	0	0.000131	0
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36	0	0	0	0	0	0	0	0.000131	0
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47	0	0	0	0	0	0	0	9.86E-05	0
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9	0	0	0	0	0	0	0	0	0.000131
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58									
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10	0	0	0	0	0	0	0	3.29E-05	0
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16	0	0	0	0	0	0	0	6.57E-05	0
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29									

<https://mc.manuscriptcentral.com/thorax>

1									
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54	0	0	0	6.57E-05	0	0	0	0	0
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59									
60									

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41	0	0	0	0	0	0	3.29E-05	0	0
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49	0	0	0	3.29E-05	0	0	0	0	0
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57	0	0	0	0	0	0	0.000164	0	0
58									
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45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	6.57E-05	6.57E-05	0
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54	3.29E-05	0	0	0.000131	0	0	3.29E-05	0.000197	3.29E-05
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58									
59									
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17	0	0	0	0	0	0	6.57E-05	0	0
18	0	0	0	0	0	0	6.57E-05	0	0
19	0	0	0	0	0	0	0	0	0
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21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	3.29E-05	0	0
23	0	0	0	3.29E-05	0	0	3.29E-05	0	0.000164
24	0	0	0	0	0	0	3.29E-05	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0.000131	0	0
27	0	0	0	0	0	0	3.29E-05	0	0
28	0	0	0	0	0	0	6.57E-05	0	0
29	0	0	0	0	0	0	6.57E-05	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	9.86E-05	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	9.86E-05
36	0	0	0	9.86E-05	0	0	0	0	0
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38	0	0	0	0	0	0	0	0	0
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58									
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1									
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9	0	0	0	0	0	0	6.57E-05	0	0
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29	0	0	0	0	0	0	0	0	0
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31	0	0	3.29E-05	0	0	0	0	0	0
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47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	3.29E-05	0	0
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58									
59									
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[illegible]

1									
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3									
4	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
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41	0	0	0	0	6.57E-05	0	0	0	0
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9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	3.29E-05	0	0	0	0	0	0
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25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	9.86E-05	0	0
27	0	0	0	0	0	0	0	0	0
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39	0	0	0	0	0	0	0	0	0
40	0	3.29E-05	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
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44	0	0	0	0	0	0	3.29E-05	0	0
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49	0	0	0	0	0	0	0	0	0
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57	0	0	0	0	0	0	3.29E-05	0	0
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11	0	0	0	0	0	0	9.86E-05	0	0
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25	0	3.29E-05	0	0	0	0	0	0	0
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<https://mc.manuscriptcentral.com/thorax>

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48	0	0	0	0	0	0	0	0	0
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50	0	0	0	0	0	0	0	0	0
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56	0	0	0	0	0	0	0	0	0
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58	0	0	0	0	0	0	0	0	0
59									
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1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
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14	0	0	0	0	0	0	0	3.29E-05	
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22	0	0	0	0	0	0	0	3.29E-05	
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58									
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22	0	0	0	0	0	0	0	0.000164	
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33	0	0	0	0	0	0	0	0.657E-05	
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35	0	0	0	0	0	0	0	0.329E-05	
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
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39	0	0	0	0	0	0	0	0.000723	
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44	0	0	0	0	0	0	0	0	0
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58									
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26	0	0	0	0	0	0	0	0	3.29E-05
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31	0	0	0	0	0	0	3.29E-05	0	0
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48	0	0	0	0	0	0	0	0	0.001677
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51	0	0	0	0	0	0	9.86E-05	0	0
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54	0	0	0	0	0	0	0.002137	0	0.000296
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58									
59									
60									

1									
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3	0	0	0	0	0	0	0	0	0
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7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	3.29E-05	0	0
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17	0	0	0	0	0	0	0	0	3.29E-05
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20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0.000427	0	0	0	0.000131
22	0	0	0	0	0.000164	0	0	0	0
23	0	0	0	0	0	0	0	0	0
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29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0.000164
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
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36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0.000263
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	3.29E-05	0	0	0	0	6.57E-05
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
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55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
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3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
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6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
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17	0	0	0	0	0	0	0	0	0
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19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0.000329	
21	0	0	0	0.000263	0	0	0	0	0
22	0	0	0	0.000164	0	0	0	0	0
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24	0	0	0	0	0	0	0	0	0
25	0	3.29E-05	0	0	0	0	0	0	0.000131
26	0	0	0	0	0	0	0	0	0
27	0	0	0	3.29E-05	0	0	0	0	0.000263
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
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32	0	0	0	0	0	0	0	0	0
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46	0	0	0	0	0	0	0	0	0
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48	0	0	0	0	0	0	0	0	3.29E-05
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53	0	0	0	0	0	0	0	0	0
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56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	3.29E-05	0	0	0	0	0.000263
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	6.57E-05
7	0	0	0	0	0	0	0	0	0
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11	0	0	0	0	0	0	0	0	0
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14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	3.29E-05
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19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	3.29E-05
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23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
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26	0	0	0	0	0	0	0	0	0
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32	0	0	0	0	0	0	0	0	3.29E-05
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37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0.000362	0	0.000197	0	0.000263	0	0.000131
42	0	0	0	0	0	0	0	0	0
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44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	3.29E-05
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	6.57E-05	0	0	0
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56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

[illegible]

1									
2									
3									
4	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
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13	0	0	0	0	0	0	0	0	0
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20	0	0	0	0	0	0	0	0	0
21	0	0	3.29E-05	0	0	0.004537	0.000164	0	0
22	0	0	0	0	0	0	0	0	0
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26	0	0	9.86E-05	0	0	0	0	0	0
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9	0	0	0	0	0	0	0	6.57E-05	0
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58									
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<https://mc.manuscriptcentral.com/thorax>

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25	0	0	0	9.86E-05	0	0	0	0	0
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50	0	0	0	3.29E-05	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
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54	0	0	0	9.86E-05	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
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3	0	0	0	0	0	0	0	0	0
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8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
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21	0	0	0	0.00023	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	3.29E-05	0	0	0	0	0
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26	0	0	0	0	0	0	0	0	0
27	0	3.29E-05	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
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32	0	0	0	0	0	0	0	0	0
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41	0	0	0	0	0	0	0	0	0
42	0	0	3.29E-05	0	0	0	0	0	0
43	0	0	0.00023	0.1241	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
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56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
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<https://mc.manuscriptcentral.com/thorax>

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
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6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
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10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	6.57E-05	0	0	0	0	0
14	0	0	0	0.000164	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
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36	0	0	0	0	0	0	0	0	0
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45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	3.29E-05	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
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56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
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1									
2									
3									
4	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
5	3.29E-05	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	3.29E-05	0	0	0	0	0	0	0	0
8	6.57E-05	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	3.29E-05	0	0	0	0	0	0	0	0
14	0	0	0	0	3.29E-05	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0.000197	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0.000164	3.29E-05	0	0	0	0	0	0	0
20	0	0.001151	3.29E-05	3.29E-05	0.000131	0	0.008679	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	3.29E-05	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	6.57E-05	0	0	0	0	0	0	0	0
32	0.000164	0	0	0	0	0	0	0	0
33	0.000362	0	0	0	0	0	0	0	0
34	3.29E-05	0	0	0	0	0	0	0	0
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39	0	0	0	0	0	0	0	0	0
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41	9.86E-05	0	0	0	0	0	0	0	0
42	3.29E-05	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	3.29E-05	3.29E-05	0	0	0	0	0	0	0
45	0.001611	0	0	0	0	0	0	0	0
46	6.57E-05	0	0	0	0	0	0	0	0
47	0.002301	6.57E-05	0	0	0	0	0	0	0
48	0.001414	0.000164	0	0	0	0	0	0	0
49	0.004602	0	0	0	0	0	0	0	0
50	0.005621	0.000164	0	0	0	0	0	0	0
51	0.000362	0	0	0	0	0	0	0	0
52	0.000657	0	0	0	0	0	0	0	0
53	0.000493	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55									
56									
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0.00023	0	0	0	0	0	0	0	0
0.000296	0	0	0	0	0	0	0	0
0.000723	0	0	0	0	0	0	0	0
0.000296	0	0	0	0	0	0	0	0
0.000197	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
9.86E-05	0	0	0	0	0	0	0	0
6.57E-05	0	0	0	0	0	0	0	0
0.000329	0.000131	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	3.29E-05	0	0	0	0
0	0.000394	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	9.86E-05	0	0	0	0	0	0	0
0	3.29E-05	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
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0.001019	0	0	0	0	0	0	0	0
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0.00194	0	0	0	0	0	0	0	0
0.002761	0	0	0	0	0	0	0	0
0.000131	0.00023	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0.000953	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
3.29E-05	0	0	0	0	0	0	0	0
0	0	0	0.000164	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	9.86E-05	0	0	0	0	0	0	0	0
5	6.57E-05	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	3.29E-05	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
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14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0.000625	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	9.86E-05	0	0	0	0	0	0	0	0
23	0.000164	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	9.86E-05	0	0	0	0	0	0	0	0
28	3.29E-05	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	3.29E-05	0	0	0	0	0	0	0	0
31	0.000131	6.57E-05	0	0	0	0	0	0	0
32	6.57E-05	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
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36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0.000263	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0.000723	0	0	0	0	0	0	0	0
42	0.000493	0	0	0	0	0	0	0	0
43	0.000164	0	0	0	0	0	0	0	0
44	0	3.29E-05	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0.006345	0.001249	0	0	0	0	0	0	0
51	0.001085	9.86E-05	0	0	0	0	0	0	0
52	0.000394	0.000131	0	0	0	0	0	3.29E-05	0
53	3.29E-05	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
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56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
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1									
2	0	0	0	0	0	0	0	0	0
3	0.00046	0	0	0	0	0	0	0	0
4	3.29E-05	0	0	0	0	0	0	0	0
5	0.000197	0	0	0	0	0	0	0	0
6	6.57E-05	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	3.29E-05	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	6.57E-05	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0.00069	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0.018837	0	0	0	0	0	0	0	0
21	0.003222	0	0	0	0	0	0	0	0
22	0.000822	0	0	0	0	0	0	0	0
23	0.001052	0	0	0	0	0	0	0	0
24	0.000592	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0.000756	3.29E-05	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	6.57E-05	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0.000394	0	0	0	0	0	0	0	0
37	0.000657	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0.002005	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	3.29E-05	0
43	0	0	0	0	0	0	0	0	0
44	0.001611	0	0	0	0	0	0	0	0
45	6.57E-05	0	0	0	0	0	0	0	0
46	3.29E-05	0	0	0	0	0	0	0	0
47	0.000427	0	0	0	0	0	0	0	0
48	0.00023	0	0	0	0	0	0	0	0
49	0.000362	0	0	0	0	0	0	0	0
50	0.000756	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0.001775	0	0	0	0	0	0	0	0
54	0.000855	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
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6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	3.29E-05	0	0	0	0	0	0	0	0
9	9.86E-05	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	3.29E-05	0	0	0	0	0	0	0	0
12	0.000559	0	0	0	0	0	0	0	0
13	6.57E-05	0	0	0	0	0	0	0	0
14	0.00046	0	0	0	0	0	0	0	0
15	0.000888	0	0	0	0	0	0	0	0
16	0.000263	0	0	0	0	0	0	0	0
17	0.001085	0	0	0	0	0	0	0	0
18	3.29E-05	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0.00023	0	0	0	0	0	0	0	0
29	3.29E-05	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0.000855	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0.001775	0.000164	0	0	0	0	0	0	0
36	3.29E-05	3.29E-05	0	0	0	0	0	0	0
37	0.00023	0	0	0	3.29E-05	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0.000427	0	0	0	0	0	0	0	0
40	0.001512	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	3.29E-05	0	0	0	0	0	0	0	0
43	3.29E-05	0	0	0	3.29E-05	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0.000197	0	0	0	0	0	0	0	0
46	6.57E-05	0	0	0	0	0	0	0	0
47	6.57E-05	0	0	0	0	0	0	0	0
48	6.57E-05	0.000329	0	0	0	0	0	0	0
49	0.000559	0.00503	0	0	0	0	0	0	0
50	0.001644	0	0	0	0	0	0	0	0
51	0.000756	0.003024	0	0	0	0	0	0	0
52	0.000427	0.000657	0	0	0	0	0	0	0
53	6.57E-05	6.57E-05	0	0	0	0.000197	0	0	0
54									
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<https://mc.manuscriptcentral.com/thorax>

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2	0.003748	3.29E-05	0	0	0	0	0	0	0
3	9.86E-05	3.29E-05	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0.001578	0	0	0	0	0	0	0	0
6	3.29E-05	0	0	0	0	0	0	0	0
7	0.000296	0	0	0	0	0	0	0	0
8	0	6.57E-05	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0.009271	6.57E-05	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0.000362	0	0	0	0	0	0	0	0
41	0.000131	0	0	0	0	0	0	0	0
42	0.000362	0	0	0	0	0	0	0	0
43	6.57E-05	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	6.57E-05	0	0.000131	0	0
51	0	3.29E-05	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0.000263	0	0	0	0	0	0	0
56	0.010816	0	0	0	0	0	0	0	0
57	0	0.000559	0	0	0	0	0	0	0
58									
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2	0	6.57E-05	0	0	0	0	0	0	0
3	0	0.000131	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	6.57E-05	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	3.29E-05	0	0	0	0	0	0	0	0
9	6.57E-05	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	3.29E-05	0	0	0	0	0	0	0	0
12	9.86E-05	0	0	0	0	0	0	0	0
13	3.29E-05	0	0	0	0	0	0	0	0
14	0.000164	0	0	0	0	0	0	0	0
15	3.29E-05	0	0	0	0	0	0	0	0
16	0.000427	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	3.29E-05	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	3.29E-05	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	6.57E-05	0	0	0	0	0	0	0	0
23	0	6.57E-05	0	0	3.29E-05	0	0	0	0
24	0	0	0	0	3.29E-05	0	0	0	0
25	0	0.00069	0	0	0	0	0	0	0
26	6.57E-05	3.29E-05	0	0	0	0	0	0	0
27	3.29E-05	0.000131	0	0	0	0	0	0	0
28	0	0.000427	0	0	0	0	0	0	0
29	3.29E-05	0	0	0	0	0	0	0	0
30	3.29E-05	0.000164	0	0	0	0	0	0	0
31	0	6.57E-05	0	0	0	0	0	0	0
32	0.000131	0	0	0	0	0	0	0	0
33	3.29E-05	0	0	0	0	0	0	0	0
34	3.29E-05	0	0	0	0	0	0	0	0
35	0.000131	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0.000131	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0.000131	0	0	0	0	0	0	0	0
48	3.29E-05	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	3.29E-05	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
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2	0	3.29E-05	0	0	0	0	3.29E-05	0	0
3	0	0	0	0	0	0	0	0	3.29E-05
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	6.57E-05	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0.004602	0	0	0	0	0	0	0	0
23	0.00023	0	0	0	0	0	0	0	0
24	9.86E-05	0	0	0	0	0	0	0	0
25	0.000296	0	0	0	0	0	0	0	0
26	3.29E-05	0	0	0	0	0	0	0	0
27	0.002597	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0.002959	0	0	0	0	0	0	0	0
30	0.000197	0.00069	0	0	0	0	0	0	0
31	0.00046	0	0	0	0	0	0	0	0
32	6.57E-05	0	0	0	0	0	0	0	0
33	0.000362	3.29E-05	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0.000131	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0.000296	0	0	0	0	0	0	0	0
38	6.57E-05	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0.003945	0	0	0	0	0	0	0	0
41	0.000394	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0.000263
53	0	0.000164	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	9.86E-05	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57									
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2	3.29E-05	6.57E-05	0	0	0	0	0	0	0
3	3.29E-05	0	0	0	0	0	0	0	0
4	3.29E-05	0	0	0	0	0	0	0	0
5	9.86E-05	0	0	0	0	0	0	0	0
6	9.86E-05	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	6.57E-05	3.29E-05	0	0	0	0	0	0	0
17	0.000263	0	0	0	0	0	0	0	0
18	6.57E-05	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0.005884	3.29E-05	0	0	0	0	0	0	0
32	0.001446	0	0	0	0	0	0	0	0
33	0.004931	0.000197	0	0	0	0	0	0	0
34	0.002301	3.29E-05	0	0	0	0	0	0	0
35	0.000559	0	0	0	0	0	0	0	0
36	0.000657	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0.000164	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	3.29E-05	6.57E-05	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0.005589	0	0	0	3.29E-05	0	0	0	0
57	6.57E-05	0	0	0	0	0	0	0	0
58									
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2	0	0	0	0	0	0	0	0	0
3	0.000329	0	0	0	0	0	0	0	0
4	0.000625	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	9.86E-05	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0.000789	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	3.29E-05	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0.000131	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0.000263	0	0	0	0	0	0	0	0
31	0.001578	0	0	0	0	0	0	0	0
32	0.000953	0	3.29E-05	0	0	0	0	0	0
33	0.000789	9.86E-05	0	0	0	0	0	0	0
34	0.000164	0.000296	0	0	0	0	0	0	0
35	0.000296	0	0	0	0	0	0	0	0
36	0.000131	0	0	0	0	0	0	0	0
37	0.000888	0	0	0	0	0	0	0	0
38	3.29E-05	0	0	0	0	0	0	0	0
39	9.86E-05	3.29E-05	0	0	0	0	0	0	0
40	0.000329	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0.000164	0	0	0	0	0	0	0
43	0.000789	0	0	0	0	0	0	3.29E-05	0
44	0	9.86E-05	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	6.57E-05	0	0	0	0	0	0	0	0
48	0	3.29E-05	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0.000657	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0.000657	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	6.57E-05	0	0	0	0	0	0	0	0
3	0.000329	0	0	0	0	0	0	0	0
4	0.004471	0	0	0	0	0	0	0	0
5	3.29E-05	0	0	0	0	0	0	0	0
6	0.000427	0	0	0	0	0	0	0	0
7	0.00023	0	0	0	0	0	0	0	0
8	0.000164	0	0	0	0	0	0	0	0
9	0.000164	0	0	0	0	0	0	0	0
10	6.57E-05	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	3.29E-05	0	0	0	0	0	0	0	0
13	0.000197	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0.000263	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	3.29E-05	0	0	0	0	0	0	0	0
20	6.57E-05	0	0	0	0	0	0	0	0
21	3.29E-05	0	0	0	0	0	0	0	0
22	3.29E-05	0	0	0	0	0	0	0	0
23	3.29E-05	0	0	0	0	0	0	0	0
24	0.000427	0	0	0	0	0	0	0	0
25	6.57E-05	0	0	0	0	0	0	0	0
26	0.00023	0	0	0	0	0	0	0	0
27	0.000164	0	0	0	0	0	0	0	0
28	0.000164	0	0	0	0	0	0	0	0
29	3.29E-05	0	0	0	0	0	0	0	0
30	0.000296	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	3.29E-05	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0.000329	0	0	0	0	0	0	0	0
45	0.000723	0	0	0	0	0	0	0	0
46	3.29E-05	0	0	0	0	0	0	0	0
47	0.00812	3.29E-05	0	0	0	0	0	0	0
48	0.000592	0.000164	0	0	0	0	0	0	0
49	0.000164	3.29E-05	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	6.57E-05	0	0	0	0	0	0	0	0
52	0.003222	0	0	0	0	0	0	0	6.57E-05
53	0.000131	3.29E-05	0	0	0	0	0	0	0
54	0.000592	0	0	0	0	0	0	0	0
55	0	3.29E-05	0	0	0	0	0	0	0
56									
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2	0.002038	0.000131	0	0	0	0	0	0	0
3	0.001446	0	0	0	0	0	0	0	0
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5	0.001972	0	0	0	0	0	0	0	0
6	0.019692	0.000131	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0.000164	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
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12	3.29E-05	0	0	0	0	0	0	0	0
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15	0.000296	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
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19	6.57E-05	0	0	0	0	0	0	0	0
20	9.86E-05	0	0	0	0	0	0	0	0
21	3.29E-05	0	0	0	0	0	0	0	0
22	0.000131	0	0	0	0	0	0	0	0
23	0.00092	0	0	0	0	0	0	0	0
24	0.001479	3.29E-05	0	0	0	0	0	0	0
25	0.023045	6.57E-05	0	0	0	0	0	0	0
26	0.00046	0.000197	0	0	0	0	0	0	0
27									
28									
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<https://mc.manuscriptcentral.com/thorax>

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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0.000427
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6	0	0	0	0	0	0	0	0	0.000953
7	0	0	0	0	0	0	0	0	9.86E-05
8	0	0	0	0	0	0	0	0	9.86E-05
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19	0	0	0	0	0	0	0	0	6.57E-05
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21	0	0	0	0	0	0	0	0	0
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23	0	3.29E-05	0	0	0	0	0	0	0
24	0	0	0	9.86E-05	0	0	6.57E-05	0	0
25	0	0	0	0	0	0	0	3.29E-05	0
26	0	0	0	0	0	0	0	0	0
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51	0	0.000131	0	0	0	0	0	0	0
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30	0	0	0	0	0	0	0	0	0.000164
31	0	0	0	0	0	0	0	0	0.00023
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33	0	0	0	0	0	0	0	0	9.86E-05
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38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0.00023
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41	0	0	0	0	0	0	0	0	3.29E-05
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43	0	0	0	0	0	0	0	0	3.29E-05
44	0	0	0	0	0	0	0	0	6.57E-05
45	0	0	0	0	0	0	0	0	9.86E-05
46	0	0	0	0	0	0	0	0	0.00092
47	0	3.29E-05	0	0	0	0	0	0	0.000197
48	0	0	0	0	0	0	0	0	0.001249
49	0	3.29E-05	0	0	0	0	0	0	0.001315
50	0	0	0	0	0	0	0	0	0.000296
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52	0	0	0	0	0	0	0	0	6.57E-05
53	0	0	0	0	0	0	0	0	0.000131
54	0	0	0	0	0	0	0	0	0.00023
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17	3.29E-05	0	0	0	0	0	0	0	0
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37	0	0	0	0	0	0	0	0	0.000197
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39	0	0	0	0	0	0	0	0	0.000427
40	0	0	0	0	0	0	0	0	0.000329
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42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0.000197
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0.000427
47	0	0	0	0	0	0	0	0	0
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49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	3.29E-05
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57	0	0	0	0	0	0	0	0	0
58									
59									
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1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	9.86E-05
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	3.29E-05
9	0	0	0	0	0	0	0	0	9.86E-05
10	0	0	0	0	0	0	0	0	0
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15	0	0	0	0	0	0	0	0	0.003255
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23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	3.29E-05
25	0	0.000164	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
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32	0	0	0	0	6.57E-05	0	0	0	3.29E-05
33	0	0	0	0	0	0	0	0	0.001118
34	0	0	0	0	0	0	0	0	0.000723
35	0	0	0	0	0	0	0	0	3.29E-05
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37	0	0	0	0	0	0	0	0	0.00023
38	0	0	0	0	0	0	0	0	6.57E-05
39	0	0	0	0	0	0	0	0	0
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46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0.000427
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49	0	0	0	0	0	0	0	0	0.00046
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53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0.000164
55	0	0	0	0	0	0	0	0	3.29E-05
56	0	0	0	0	0	0	0	0	
57	0	0	0	0	0	0	0	0	
58									
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60									

1									
2	0	0	0	0	0	0	0	0	0.000164
3	0	0	0	0	0	0	0	0	0
4	0	3.29E-05	0	0	0	0	0	0	0.000197
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7	0	0	0	0	0	0	0	0	0
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9	0	0	0	0	0	0	0	0	0
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11	0	0.000394	0	0	0	0	0	0	0
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23	0	0	0	0	0	0	0	0	6.57E-05
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	3.29E-05
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27	0	0	0	0	0	0	0	0	0
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29	0	0	0	0	0	0	0	0	6.57E-05
30	0	0	0	0	0	0	0	0	3.29E-05
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46	0	0	0	0	0	0	0	0	3.29E-05
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48	0	0	0	0	0	0	0	0	3.29E-05
49	0	0	0	0	0	0	0	0	0.00046
50	0	0	0	0	0	0	0	0	0.000427
51	0	0	0	0	0	0	0	0	0
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53	0	0	0	0	0	0	0	0	3.29E-05
54	0	0	0	0	0	0	0	0	0.000131
55	0	0	0	0	0	0	0	0	0.000197
56	0	0	0	0	0	0	0	0	
57	0	0	0	0	0	0	0	0	
58									
59									
60									

1									
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5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0.000329
7	0	0	0	0	0	0	0	0	0.00092
8	0	0	0	0	0	0	0	0	0
9	0	3.29E-05	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
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13	0	0	0	0	0	0	0	0	0
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24	0	0	0	0	0	0	0	0	3.29E-05
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
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30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
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33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	6.57E-05
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	6.57E-05
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	6.57E-05	0	0	0.000164
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0.00023
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	9.86E-05
52	0	0	0	0	0	0	0	0	0
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55	0	0	0	0	0	0	0	0	0.000526
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9	0	0	0	0	0	0	0	0	0
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15	0	0	0	0	0	0	0	0	6.57E-05
16	0	0	0	0	0	0	0	0	3.29E-05
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40	0	0	3.29E-05	0	0	0	0	0	0
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43	0	0	0	0	0	0	0	0	3.29E-05
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0.001677
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	3.29E-05	0	0	0	0	0	0	0.000296
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53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	3.29E-05
55	0	0	0	0	0	0	0	0	6.57E-05
56	0	3.29E-05	0	0	0	0	0	0	0.000164
57	0	0	0	0	0	0	0	0	0
58									
59									
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<https://mc.manuscriptcentral.com/thorax>

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
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6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	3.29E-05
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
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13	0	0	0	0	0	0	0	0	0
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15	0	0	0	0	0	0	0	0	0
16	0	0	0.000131	0	0	0	0	0	0.000197
17	0	0	0	0	0	0	0	0	0.000263
18	0	0	0	0	0	0	0	0	0.000723
19	0	0	0	0	0	0	0	0	6.57E-05
20	0	0	0	0	0	0	0	0	0.001118
21	0	0	0	0	0	0	0	0	0.000723
22	0	0	0	0	0	0	0	0	0.000164
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0.00263
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31	0	0	0	0	0	0	0	0	0.000986
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35	0	0	0	0	0	0	0	0	0.000296
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56	0	0	0	0	0	0	0	0	0.001118
57	0	0	0	0	0	0	0	0	0.000197
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1									
2	0	0	0	0	0	0	0	0	6.57E-05
3	0	0	0	0	0	0	0	0	0.000263
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8	0	0	0	0	0	0	0	0	0.001216
9	0	3.29E-05	0	0	0	0	0	0	0
10	0	9.86E-05	0	0	0	0	0	0	0
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37	0	0	0	0	0	0	0	0	0.000855
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49	0	0	0	0	0	0	0	0	0
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51	0	0	0	0	0	0	0	0	3.29E-05
52	0	0	0	0	0	0	0	0	6.57E-05
53	0	0	0	0	0	0	0	0	0
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55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	6.57E-05
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8	0	0	0	0	0	0	0	0	0.000855
9	0	6.57E-05	0	0	0	0	0	0	0.000789
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16	0	0	0	0	0	0	0	0	6.57E-05
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20	0	0	0	0	0	0	0	0	6.57E-05
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26	0	0	0	0	0	0	0	0	0
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29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	6.57E-05
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36	0	0	0	0	0	0	0	0	0
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40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
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44	0	0	0	0	0	0	0	0	0
45	0	3.29E-05	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	3.29E-05	9.86E-05	0	0	0	0	0	0.000197
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0.00023
51	0	0	0	0	0	0	0	0	9.86E-05
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	9.86E-05
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59									
60									

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0	0	0	0	0	0	0	0	0	3.29E-05
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0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	3.29E-05	0	0	0	0	0	0	0	3.29E-05
0	0	0	0	0	0	0	0	0	0.000164
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	3.29E-05
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	3.29E-05
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0.000263
0	0	0	0	0	0	0	0	0	0.000164
0	0	0	0	0	0	0	0	0	6.57E-05
0	0	0	0	0	0	0	0	0	0.000296
0	0	0	0	0	0	0	0	0	0.00069
0	0	0	0	0	0	0	0	0	9.86E-05

1									
2									
3									
4	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
5	3.29E-05	3.29E-05	0	0.013413	0	0	0	0	0
6	0	6.57E-05	0	0.001578	0	0	0	0	0
7	0	0.00023	0	0.004931	0	0	0	0	0
8	0	0	0	0.005654	6.57E-05	0	0	0	0
9	0	0	0	0.003452	0	0	0	0	0
10	0	0	0	0.00069	0	0	0	0	0
11	0	0	0	0.000822	0	0	0	0	0
12	0	0	0	0.000197	0	0	0	0	0
13	0	3.29E-05	0	0.004833	6.57E-05	0	0	0	0
14	0	6.57E-05	0	0.000131	3.29E-05	0	0	0	0
15	0	9.86E-05	0	3.29E-05	3.29E-05	0	0	0	0
16	0	0	3.29E-05	0.001019	0	0	0	0	0
17	0.000296	0.005326	6.57E-05	0.000592	6.57E-05	0	0	0	0
18	0	0.000131	0	0	0.00286	0	0	0	0
19	0	0	0	3.29E-05	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	3.29E-05	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	3.29E-05	0	0	0	0	0
24	0	0	0	3.29E-05	0	0	0	0	0
25	0	0	0	3.29E-05	0	0	0	0	0
26	0	0	0	3.29E-05	0.000329	0	0	0	0
27	0	0	0	3.29E-05	9.86E-05	0	0	0	0
28	0	3.29E-05	0.00023	0	0	0	0	0	0
29	0	9.86E-05	6.57E-05	0.000197	0	0	0	0	0
30	0	6.57E-05	0	0	0	0	0	0	0
31	0	0.000197	6.57E-05	0.004142	0	0	0	0	0
32	0	0	6.57E-05	0.01098	0	0	0	0	0
33	0	0.000164	3.29E-05	0.009665	0	0	0	0	0
34	0	0.000131	0.00046	3.29E-05	0	0	0	0	0
35	0	0.000131	0	6.57E-05	0	0	0	0	0
36	0	0.000394	0	6.57E-05	0	0	0	0	0
37	0	3.29E-05	0	9.86E-05	0	0	0	0	0
38	0	3.29E-05	0	0.000296	0	0	0	0	0
39	0	6.57E-05	0	0.000526	6.57E-05	0	0	0	0
40	3.29E-05	9.86E-05	0	3.29E-05	6.57E-05	0	0	0	0
41	0	9.86E-05	0.000329	0.000789	0	0	0	0	0
42	0	0	0.001052	0.00332	0	0	0	0	0
43	0	9.86E-05	0.000263	0.001019	0	0	0	0	0
44	0	0.000263	0.000131	0.005523	0	0	0	0	0
45	0	0.000526	9.86E-05	0.016404	0	0	0	0	0
46	0	9.86E-05	6.57E-05	0.006805	0	0	0	0	0
47	0	9.86E-05	0.00023	0.025182	0	0	0	0	0
48	0	0	6.57E-05	0.002992	0	0	0	0	0
49	0	0.000263	0.000164	0.006575	6.57E-05	0	0	0	0
50	3.29E-05	0.000131	0.000394	0.01121	0	0	0	0	0
51	0	0	3.29E-05	0.056511	0	0	0	0	0
52									
53									
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55									
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57									
58									
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1									
2	6.57E-05	0.000131	3.29E-05	0.038594	0	0	0	0	0
3	0	9.86E-05	3.29E-05	0.04129	0	0	0	0	0
4	0	3.29E-05	0	0.004405	0	0	0	0	0
5	3.29E-05	9.86E-05	0	0.016667	0	0	0	0	0
6	0	0.00023	9.86E-05	0.023045	0	0	0	0	0
7	0	0	0	0.001775	3.29E-05	0	0	0	0
8	0	0	0	0.001118	0	0	0	0	0
9	0	0	3.29E-05	0.001841	0	0	0	0	0
10	0	0.002005	0.003123	0.015286	3.29E-05	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0.000657	0	0	0	0	0
13	0	0	0	3.29E-05	0.000131	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	9.86E-05	6.57E-05	0	0	0	0
16	0	0.000427	0.000329	0.218515	0	0	0	0	0
17	0	0	0	0.009468	0	0	0	0	0
18	0	0.000131	3.29E-05	0.009862	0	0	0	0	0
19	0	0	0	0.004142	0	0	0	0	0
20	0.000197	0.005391	0	0.028403	0	0	0	0	0
21	0	0.000197	0	0.004734	0	0	0	0	0
22	0	0	0.005819	3.29E-05	9.86E-05	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0.00023	0	0	0	0	0
25	0	0	0	0.000756	0	0	0	0	0
26	0	0	6.57E-05	0.008317	0	0	0	0	0
27	0	0	0	0.000263	0	0	0	0	0
28	3.29E-05	0.000559	0.001216	0.009501	0	0	0	0	0
29	0	0	0	0.000559	0	0	0	0	0
30	0	3.29E-05	0.000263	0.014432	0	0	0	0	0
31	0	0	0.000131	0.006213	0	0	0	0	0
32	0	0.000362	0	0.054867	3.29E-05	0	0	0	0
33	0	0.000131	6.57E-05	0.046747	0	0	0	0	0
34	6.57E-05	0.000164	0.000329	0.034156	0	0	0	0	0
35	0	0	0.000263	0.02413	0	0	0	0	0
36	0	0.000263	0	0.037838	0	0	0	0	0
37	0	0	0	0.015385	9.86E-05	0	0	0	0
38	0	0	0.000789	0.008482	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0.000855	0.039318	6.57E-05	0	0	0	0
41	0	0	0	0.004767	3.29E-05	0	0	0	0
42	0	0	0	0.019527	0	0	0	0	0
43	0	0	0	0.084585	0	0	0	0	0
44	0	0	0	0.008613	0	0	0	0	0
45	0	0	0.001052	0.000493	0	0	0	0	0
46	0	0	0.002992	9.86E-05	0	0	0	0	0
47	0	0.000526	0	0.002137	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0

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2	0	0	0	3.29E-05	0	0	0	0	0
3	0	0	0	3.29E-05	0	0	0	0	0
4	0	0	0	6.57E-05	0	0	0	0	0
5	0	0	0.000197	0.076432	3.29E-05	0	0	0	0
6	0	0	0	3.29E-05	0	0	0	0	0
7	0	0	0	0.011572	0	0	0	0	0
8	0	0	0	0.001249	0	0	0	0	0
9	0	0	0	0.001085	0	0	0	0	0
10	0	0	0	0.000526	0	0	0	0	0
11	0	0	0	0.023176	0	0	0	0	0
12	0	0	0	0.064499	0	0	0	0	0
13	0	0	0	0.021631	0	0	0	0	0
14	0	0	0	0.023738	0	0	0	0	0
15	0	0	0.00023	0.001052	6.57E-05	0	0	0	0
16	0	0	9.86E-05	0	0	0	0	0	0
17	0	0	0.000164	3.29E-05	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0.000362	0	0	0	0	0	0
20	0	0	0	3.29E-05	0	0	0	0	0
21	0	0	6.57E-05	0.000131	0	0	0	0	0
22	0	0	0.00263	0.000329	0.000164	0	0	0	0
23	0	0	3.29E-05	0.008087	0	0	0	0	0
24	0	3.29E-05	9.86E-05	0.001249	0	0	0	0	0
25	0	9.86E-05	0	0.016996	0	0	0	0	0
26	0	3.29E-05	0	0.00332	0	0	0	0	0
27	0	0	3.29E-05	0.009566	0	0	0	0	0
28	0	0	0	0.000789	0	0	0	0	0
29	0	3.29E-05	0	0.001282	0	0	0	0	0
30	0	0	0	6.57E-05	0	0	0	0	0
31	0	0	0	0.001151	0	0	0	0	0
32	0	0	0	9.86E-05	0	0	0	0	0
33	0	6.57E-05	0	0.002992	0	0	0	0	0
34	0	0.000197	0.000362	0.010027	0	0	0	0	0
35	0	0.000164	0.000362	0.002531	0	0	0	0	0
36	0	0.000131	0.000329	0.007824	3.29E-05	0	0	0	0
37	0	6.57E-05	0.000296	0.002005	3.29E-05	0	0	0	0
38	0.000164	0.000657	0.002104	0.358723	0	0	0	0	0
39	0	0	0	0.001282	0	0	0	0	0
40	0	0	6.57E-05	0.005293	0	0	0	0	0
41	0	0	0.000131	0.003419	0	0	0	0	0
42	6.57E-05	0.001183	0.004339	0.068082	9.86E-05	0	0	0	0
43	3.29E-05	0.000263	0.000625	0.087577	0	0	0	0	0
44	0	3.29E-05	6.57E-05	0.017851	0	0	0	0	0
45	0	0.000197	9.86E-05	0.00812	0	0	0	0	0
46	0	0.000263	3.29E-05	0.012295	0	0	0	0	0
47	0	9.86E-05	0	0.00743	0	0	0	0	0
48	0	6.57E-05	0.000131	0.010651	0	0	0	0	0
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2	0	6.57E-05	3.29E-05	0.007693	3.29E-05	0	0	0	0
3	0	6.57E-05	6.57E-05	0.003813	0	0	0	0	0
4	0	3.29E-05	0	0.02413	0	0	0	0	0
5	0	0	9.86E-05	0.015451	0	0	0	0	0
6	0	3.29E-05	0	0.001742	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	6.57E-05	9.86E-05	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	3.29E-05	0	0	0	0	0
11	0	0	3.29E-05	9.86E-05	9.86E-05	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0.000394	0.000131	0	0	0	0	0
14	0	0	0.003386	9.86E-05	0	0	0	0	0
15	0	0	0.001578	3.29E-05	0	0	0	0	0
16	0	0	0.001019	3.29E-05	3.29E-05	0	0	0	0
17	0	0	0.000131	0.000329	0	0	0	0	0
18	0	0	0.000526	3.29E-05	0	0	0	0	0
19	0	0	0.000296	0.000131	0	0	0	0	0
20	0	0	0.000394	0.000197	0	0	0	3.29E-05	0
21	0	0	0.001151	0.000723	0	0	0	0	0
22	0	0	0.000164	0.000263	0.000131	0	0	0	0
23	0	0	0.000131	6.57E-05	0	0	0	0	0
24	0	0.000394	0.001216	0.007265	0	0	0	0	0
25	3.29E-05	0	0.000296	0.004734	0	0	0	0	0
26	0	0	6.57E-05	0.002038	0	0	0	0	0
27	0	3.29E-05	3.29E-05	0.001052	0	0	0	0	0
28	0	0	0.003583	0.001578	0	0	0	0	0
29	0	0	0.000855	0.000263	0	0	0	0	0
30	0	0	0.000296	0.005819	0	0	0	0	0
31	0	0	0.000197	0.009369	6.57E-05	0	0	0	0
32	0	3.29E-05	0.000164	0.009698	0	0	0	0	0
33	0.000164	0.001512	0	0.073046	0.000362	0	0	0	0
34	3.29E-05	0.000888	3.29E-05	0.05822	6.57E-05	0	0	0	0
35	0	0	0	0.007824	0	0	0	0	0
36	0	0	3.29E-05	0.011605	0	0	0	0	0
37	6.57E-05	0.000131	0.001348	0.028502	0	0	0	0	0
38	0	0	0	0.016733	3.29E-05	0	0	0	0
39	0	0.000953	0.001414	0.02962	9.86E-05	0	0	0	0
40	0	0	0.000625	0.003715	0	0	0	0	0
41	0	0	3.29E-05	0.000362	0	0	0	0	0
42	0	3.29E-05	0	0.019067	0	0	0	0	0
43	0	0	0.000131	0.000394	0	0	0	0	0
44	0	0	9.86E-05	0.003156	0	0	0	0	0
45	0	0	0	0.001381	0	0	0	0	0
46	0	0	0.000329	0.003222	0	0	0	0	0
47	0	0	0	3.29E-05	0	0	0	0	0
48	0	0	0	6.57E-05	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
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2	0	0	0	9.86E-05	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	3.29E-05	0	0	0	0	0
7	0	9.86E-05	0.000263	0.006608	0	0	0	0	0
8	0	0.000394	0.000197	0.000164	0	0	0	0	0
9	0	3.29E-05	0	0.0048	0	0	0	0	0
10	0	0	0.000394	0.000888	3.29E-05	0	0	0	0
11	0	0	0.000394	0.004142	0	0	6.57E-05	0	0
12	0	0	0.000131	0.001578	3.29E-05	0	0	0	0
13	0	0.00023	0	0.04037	0	0	0	0	0
14	0	6.57E-05	6.57E-05	0.003879	0	0	0	0	0
15	0	0.000296	0.000197	0.011835	0	0	0	0	0
16	0	0.000657	0.000329	0.031625	0	0	0	0	0
17	0	0	0	0.049048	0	0	0	0	0
18	0	0	0	0.095368	0	0	0	0	0
19	0	0	0	0.023439	0	0	0	0	0
20	0	0	0	0.032348	0	0	0	0	0
21	0	0	0	0.024163	0	0	0	0	0
22	0	0	0	0.066636	6.57E-05	0	0	0	0
23	0	0	0	0.076235	0	0	0	0	0
24	0	3.29E-05	0	0.001479	0	0	0	0	0
25	0	0	0	0.000164	0	0	0	0	0
26	0	6.57E-05	3.29E-05	0.002235	0	0	0	0	0
27	0	0.000131	0.000164	0.009566	0	0	0	0	0
28	0	0	0.000888	0.00309	9.86E-05	0	0	0	0
29	0	0	0	0.011473	0.000164	0	0	0	0
30	0	0.000164	0.000296	0.003287	0	0	0	0	0
31	0	0	3.29E-05	0.001775	0	0	0	0	0
32	0	6.57E-05	9.86E-05	0.051349	0	0	0	0	0
33	3.29E-05	0	0	0.614221	0	0	0	0	0
34	0	0	0	0.002334	0	0	0	0	0
35	0	0	3.29E-05	0.016075	3.29E-05	0	0	0	0
36	0	0	0	0.019133	0	0	0	0	0
37	0	0	0	0.0143	0	0	0	0	0
38	0	3.29E-05	0	0.002203	0	0	0	0	0
39	0	0	0	0.138006	0	0	0	0	0
40	3.29E-05	0.000131	0	0.017719	0	0	0	0	0
41	0	6.57E-05	0.000329	0.024524	0	0	0	0	0
42	0	3.29E-05	3.29E-05	0.02219	0	0	0	0	0
43	0	0.000427	0.001578	0.006772	0	0	0	0	0
44	0	0.00069	0.008843	0.047109	0	0	0	0	0
45	0	0.000131	0.002367	0.061803	0	0	0	0	0
46	0	6.57E-05	0.002959	0.052434	0	0	0	0	3.29E-05
47	0	0	0.001611	0.026234	6.57E-05	0	0	0	0
48	0	0.000362	0.001019	0.030179	9.86E-05	0	0	0	0
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2	3.29E-05	0.001446	0.000263	0.030704	0	0	0	0	3.29E-05
3	0	6.57E-05	0	0.014596	0	0	0	0	0
4	0	0.001118	0.000197	0.015714	0	0	0	0	0
5	0	3.29E-05	0	0.008547	0	0	0	0	0
6	0	0	0	0.004635	0	0	0	0	0
7	0	0	0	0.000263	0	0	0	0	0
8	0	0	0	0.000263	0	0	0	0	0
9	0	0	9.86E-05	0.007134	0	0	0	0	0
10	0	0	0	0	6.57E-05	0	0	0	0
11	0	0	0	0.000131	0	0	0	0	0
12	0	0	0	0.002334	3.29E-05	0	0	0	0
13	0	0	0	0.002203	0	0	0	0	0
14	0	0	0	0.006739	0.00046	0	0	0	0
15	0	0	0	0.000789	0	0	0	0	0
16	0	0	0	0.003386	3.29E-05	0	0	0	0
17	0	0	0	0.003386	3.29E-05	0	0	0	0
18	3.29E-05	0.001907	0.001052	0.032184	9.86E-05	0	0	0	0
19	0	0.000986	0.001972	0.024491	0	0	0	0	0
20	0	0.000197	0.000493	0.011966	0	0	0	0	0
21	0	0.000427	0.000329	0.016371	3.29E-05	0	0	0	3.29E-05
22	0	0.000329	0.000131	0.01601	6.57E-05	0	0	0	0
23	0	0.001118	0.00046	0.02265	0	0	0	0	0
24	0	0.001216	0.000625	0.041158	0	0	0	0	0
25	0	0.00023	0	0.020678	0	0	0	0	3.29E-05
26	0	0.000197	0.000723	0.020053	0	0	0	0	0
27	0	0.000164	0	0.027088	0	0	0	0	0
28	0	0	0	3.29E-05	0	0	0	0	0
29	0	0	0	3.29E-05	0	0	0	0	0
30	0	0	0	9.86E-05	0	0	0	0	0
31	0	0	3.29E-05	0	0	0	0	0	0
32	0	0	0	6.57E-05	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	3.29E-05	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	3.29E-05	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	3.29E-05	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0.000131	0.000362	0.001118	0	0	0	0	0
41	0	0	0.000986	0.000559	0	0	0	0	0
42	0	3.29E-05	0.00023	0.101022	0	0	0	0	0
43	0	6.57E-05	0.00023	0.034748	0	0	0	0	0
44	0	0.00046	0.00069	0.056938	0	0	0	0	0
45	0	6.57E-05	0.000756	0.003419	9.86E-05	0	0	0	0
46	0	6.57E-05	0.000756	0.003419	9.86E-05	0	0	0	0
47	3.29E-05	0	0	0.009172	0	0	0	0	0
48	0	0	3.29E-05	0.016832	0	0	0	0	0
49	0	0	0	0.037509	0	0	0	0	0
50	0	0	0.000164	0.011506	0	0	0	0	0
51	0	0	9.86E-05	0.014399	3.29E-05	0	0	0	0
52	0	0	9.86E-05	0.014399	3.29E-05	0	0	0	0
53	3.29E-05	3.29E-05	0.000197	0.845261	0.000164	0	0	0	0
54	0	0	0	0.069233	0	0	0	0	0
55	0	0	9.86E-05	0.64394	6.57E-05	0	0	0	0
56	0	0	0	0.888721	0	0	0	0	0
57	0	0	0	0.888721	0	0	0	0	0
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2	0	0.000263	6.57E-05	0.038989	6.57E-05	0	0	0	0
3	0	3.29E-05	0.000329	0.236628	0	0	0	0	0
4	0	0	9.86E-05	0.055853	0	0	0	0	0
5	0	0	0	0.008777	6.57E-05	0	0	0	0
6	6.57E-05	0.000822	3.29E-05	0.009271	0	0	0	0	0
7	0	0.000131	0.000559	0.036293	0	0	0	0	0
8	0	0	0	0.00092	0	0	0	0	0
9	0	0	0	3.29E-05	0	0	0	0	0
10	0	0.000329	0	9.86E-05	0	0	0	0	0
11	0	0	0	3.29E-05	0	0	0	0	0
12	0	0	0	0.738453	0	0	0	0	0
13	0	0	0	0.042934	0	0	0	0	0
14	0	3.29E-05	0	3.29E-05	0	0	0	0	0
15	0	3.29E-05	0	3.29E-05	0	0	0	0	0
16	0	0	0	0.010783	0	0	0	0	0
17	0	6.57E-05	0	0.014958	0	0	0	0	0
18	0	0	0	0.001841	0	0	0	0	0
19	0	0	0	0.002203	0	0	0	0	0
20	0	3.29E-05	0	0.011276	0	0	0	0	0
21	0	3.29E-05	0	0.003353	0	0	0	0	0
22	0	0	0	0.001874	0	0	0	0	0
23	0	0	0	0.002005	0	0	0	0	0
24	0	0.000131	0	0.012032	0	0	0	0	0
25	0	0	0	0.001052	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	9.86E-05	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	6.57E-05	0	0	0	0	0
30	0	9.86E-05	3.29E-05	0.036194	0	0	0	0	0
31	0	0	0	0.001052	0	0	0	0	0
32	0	0	0	0.000855	0	0	0	0	0
33	0	0	0	3.29E-05	0	0	0	0	0
34	0	3.29E-05	0.00046	0.04724	0	0	0	0	0
35	0	3.29E-05	9.86E-05	0.010158	0	0	0	0	0
36	0	0	3.29E-05	0.002992	0	0	0	0	0
37	0	0	0	0.000625	0	0	0	0	0
38	0	0.000657	0.001151	0.032578	0	0	0	0	0
39	0	6.57E-05	0.000756	0.000526	9.86E-05	0	0	0	0
40	0	0.000559	0.000953	0.081199	0	0	0	0	0
41	0	0	0.000164	0.012689	0	0	0	0	0
42	0	3.29E-05	0.000131	0.070844	0	0	0	0	0
43	0	0	6.57E-05	0.01716	0	0	0	0	0
44	0	0.000394	0	0.001808	3.29E-05	0	0	0	0
45	0	0	0.000986	9.86E-05	6.57E-05	0	0	0	0
46	3.29E-05	0.000723	9.86E-05	0.000592	0	0	0	0	0
47	0	0.000296	0.000953	0.019889	0	0	0	0	0
48	0	0.000526	0.000131	0.027121	0	0	0	0	0
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2	0	6.57E-05	0	0.011506	0	0	0	0	0
3	0	0.000427	6.57E-05	0.051514	3.29E-05	0	0	0	0
4	0	9.86E-05	0	0.000559	0	0	0	0	0
5	0	0	0	0.001479	0	0	0	0	0
6	0	9.86E-05	0	0.003189	0	0	0	0	0
7	0	0.000526	0.000131	0.019757	0	0	0	0	0
8	0	3.29E-05	3.29E-05	0.007364	0	0	0	0	0
9	0	0	0	0.001348	0	0	0	0	0
10	0	6.57E-05	0	0.006575	0	0	0	0	0
11	0	0.000427	0	0.00766	0	0	0	0	0
12	0	0	0	0.006082	0	0	0	0	0
13	0	0	0	0.001644	0	0	0	0	0
14	0	0	0	0.014761	0	0	0	0	0
15	0	0	0	0.038792	0	0	0	0	0
16	3.29E-05	0.00023	0	0.013544	0	0	0	0	0
17	3.29E-05	0.000329	0	0.001348	3.29E-05	0	0	0	0
18	0	9.86E-05	0	0.004208	0	0	0	0	0
19	6.57E-05	0	0	0.000263	0	0	0	0	0
20	0	0	9.86E-05	0.000131	3.29E-05	0	0	0	0
21	0	0	0	0.000789	6.57E-05	0	0	0	0
22	0	0	0.000329	0.004241	0	0	0	0	0
23	0	0	0.000362	0.029981	0	0	0	0	0
24	0	0	0.000131	0.013281	0	0	0	0	0
25	0	0	9.86E-05	0.005128	0	0	0	0	0
26	0	0	3.29E-05	0.006213	0	0	0	0	0
27	0	0	0	0.002893	0	0	0	0	0
28	0	0	0	0.01144	0	0	0	0	0
29	3.29E-05	0.000756	3.29E-05	0.001742	0	0	0	0	0
30	0	6.57E-05	0	0.001644	3.29E-05	0	0	0	0
31	0	0.000131	3.29E-05	0.000526	0	0	0	0	0
32	0	9.86E-05	0	0	0	0	0	0	0
33	0	0	0	9.86E-05	0	0	0	0	0
34	0	0	0	3.29E-05	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0.00069	0	0	0	0	0
38	0	0	0	0.010388	0.000164	0	0	0	0
39	0	0	0	0.009106	3.29E-05	0	0	0	0
40	0	0	0	0.019199	0	6.57E-05	0	0	0
41	0	0	0	0.000723	0	0	0	0	0
42	0	0	0	0.002893	0	0	0	0	0
43	0	0	0	3.29E-05	0	0	0	0	0
44	0	0	0	0.006049	0.000197	0	0	0	0
45	0	0	0	0.000131	0.004274	0	0	0	0
46	0	6.57E-05	0	0.000493	0	0	0	0	0
47	0	0	0	0.000493	0	0	0	0	0
48	0	0	0	0	6.57E-05	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
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2	0	0	0	0.00046	0	0	0	0	0
3	0	0	0	0.008284	3.29E-05	0	0	0	0
4	0	0	0	3.29E-05	0	0	0	0	0
5	0	0	0	6.57E-05	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	9.86E-05	0	0	0	0	0
9	0	0	0	0	3.29E-05	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0.000131	0	0	0	0	0
12	0	0	0	6.57E-05	0	0	0	0	0
13	0	0	0	6.57E-05	0	0	0	0	0
14	0	0	0	6.57E-05	0	0	0	0	0
15	0	0	0	6.57E-05	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	6.57E-05	0	0	0	0	0
18	0	0	0	9.86E-05	3.29E-05	0	0	0	0
19	0	0	0	9.86E-05	0	0	0	0	0
20	0	0	0	0.00046	0	0	0	0	0
21	0.00023	0.004142	0.001611	0.060324	0	0	0	0	0
22	0.000164	0.001545	0.000526	0.107762	0	0	0	0	0
23	0	0.000296	0.000197	0.027187	0	0	0	0	0
24	3.29E-05	0.000493	0.001348	0.149084	0	0	0	0	0
25	0	0	0.000131	0.041191	0	0	0	0	0
26	0.000263	0.003452	0.001677	0.088695	0	0	0	0	0
27	9.86E-05	0.000986	0.009238	0.017621	0	0	0	0	6.57E-05
28	0	9.86E-05	9.86E-05	0.016075	3.29E-05	0	0	0	0
29	0	0	0.001479	0.075052	0	0	0	0	0
30	0	3.29E-05	0	0.003057	0	0	0	0	0
31	0	0	9.86E-05	0.000888	0	0	0	0	0
32	0	3.29E-05	3.29E-05	0.004865	0	0	0	0	0
33	0	6.57E-05	0	0.001709	0	0	0	0	0
34	0	0	6.57E-05	0.001414	0	0	0	0	0
35	0	0	0	0.001446	0	0	0	0	0
36	0	0	0.000493	0.000493	0	0	0	0	0
37	0	0	0	0.000296	0	0	0	0	0
38	0	0	3.29E-05	0.000657	0	0	0	0	0
39	0	0.00023	0.000493	0.014037	0	0	0	0	0
40	0	0.000131	0.000592	0.005556	0	0	0	0	0
41	0	0	0.001315	6.57E-05	0	0	0	0	0
42	0	0	0.000263	0.000131	0.00023	0	0	0	0
43	0	0	0.002104	0.000362	0	0	0	0	0
44	3.29E-05	0.000592	0.003485	0.003419	0	0	0	0	0
45	0	3.29E-05	0.00023	0.00023	0	0	0	0	0
46	3.29E-05	0.000789	0.002531	0.006345	0	0	0	0	0
47	0	0	0	0.003156	0	0	0	0	0
48	0	0	0	0.006213	0	0	0	0	0
49	0	3.29E-05	0	0.00904	0	0	0	0	0
50	0	0	0	0.002104	0	0	0	0	0

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2	0	0	0.000329	0.00572	0	0	0	0	0
3	0	3.29E-05	0.000493	0.006739	0	0	0	0	0
4	0	0	0	0.767382	0	0	0	0	0
5	0	6.57E-05	9.86E-05	0.018344	0	0	0	0	0
6	0	6.57E-05	0	0.623393	0	0	0	0	0
7	0	3.29E-05	0.000164	0.00046	0	0	0	0	0
8	0	9.86E-05	0.000197	0.00023	3.29E-05	0	0	0	0
9	0	0	0	3.29E-05	0	0	0	0	0
10	0	0	0	0.000164	0	0	0	0	0
11	0	0	0	0.000592	3.29E-05	0	0	0	0
12	0	0	0	6.57E-05	0	0	0	0	0
13	0	0	0.000263	0.006345	0	0	0	0	0
14	0	0.000625	0.000197	0.006016	0	0	0	0	0
15	3.29E-05	0.000756	3.29E-05	0.004405	0	0	0	0	0
16	3.29E-05	3.29E-05	0	0.004044	0	0	0	0	0
17	0	0.000131	0	0.009205	0	0	0	0	0
18	0	0.000131	3.29E-05	0.059305	0	0	0	0	0
19	0	0	0	0.001118	0.000131	0	0	0	0
20	0	9.86E-05	3.29E-05	0.001052	0	0	0	0	0
21	0	3.29E-05	0	0.003879	0	0	0	0	0
22	0	0.000592	0.000197	0.018048	0	0	0	0	0
23	0	0.000131	0.000131	0.000164	0	0	0	0	0
24	0	6.57E-05	3.29E-05	0	0	0	0	0	0
25	0	0	0.00046	6.57E-05	3.29E-05	0	0	0	0
26	0	0.000296	0.000394	0.056346	0	0	0	0	0
27	0	6.57E-05	3.29E-05	0.046846	0	0	0	0	0
28	0	0.000164	0	0.097834	0	0	0	0	0
29	0	6.57E-05	0	0.092311	0	0	0	0	0
30	0	0	3.29E-05	0.007232	0	0	0	0	0
31	0	0	0	0.038496	0	0	0	0	0
32	0	6.57E-05	0	0.000197	0	0	0	0	0
33	6.57E-05	0.001611	0	0.000394	0	0	0	0	0
34	0	6.57E-05	0.000131	0.00023	0	0	0	0	0
35	0	0.000164	0.001315	0.001446	0	0	0	0	0
36	0	0	0.001907	0.050002	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0.000526	0	0	0	0	0
39	0	3.29E-05	0	3.29E-05	0	0	0	0	0
40	0	0	0	6.57E-05	3.29E-05	0	0	0	0
41	0	3.29E-05	0	3.29E-05	0	0	0	0	0
42	0	0.000164	0	0.01052	3.29E-05	0	0	0	0
43	0	0	0	6.57E-05	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	3.29E-05	0.000263	0	0.01338	3.29E-05	0	0	0	0
57	6.57E-05	0.001315	0	0.013873	3.29E-05	0	0	0	0
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2	0	0	0	0.00046	0	0	0	0	0
3	0	0	3.29E-05	0.000164	0	0	0	0	0
4	0	0	3.29E-05	0.000592	0	0	0	0	0
5	0	0	0	9.86E-05	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	3.29E-05	0.000822	0	0	0	0	0
8	0	0	0	0.000329	0	0	0	0	0
9	0	0	0	6.57E-05	3.29E-05	0	0	0	0
10	0	0	0	6.57E-05	6.57E-05	0	0	0	0
11	0	0	0	0.016864	0	0	0	0	0
12	0	0	0	0.000197	0	0	0	0	0
13	0	0	3.29E-05	0.000362	0	0	0	0	0
14	0	0	0	0.001611	3.29E-05	0	0	0	0
15	0	0	0	0.003024	0	0	0	0	0
16	0	0	0	0.000953	0	0	0	0	0
17	0	0	0	0.000329	0	0	0	0	0
18	0	0	0	6.57E-05	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	6.57E-05	0	0	0	0	0
21	0	0	0	6.57E-05	0	0	0	0	0
22	0	0	0	0	6.57E-05	0	0	0	0
23	0	0	0	3.29E-05	0	0	0	0	0
24	0	0	0	0.000296	3.29E-05	0	0	0	0
25	0	0	0	0	0	3.29E-05	0	0	0
26	0	0	0	9.86E-05	3.29E-05	0	0	0	0
27	0	6.57E-05	3.29E-05	0.004537	0	0	0	0	0
28	0	0.000131	0.000526	0.004701	0	0	0	0	0
29	0	0	0	3.29E-05	3.29E-05	0	0	0	0
30	3.29E-05	0.000263	0.000164	0.027713	0	0	0	0	0
31	3.29E-05	0.000164	0	0.007791	0	0	0	0	0
32	3.29E-05	0.000526	0.000164	0.024689	0	0	0	0	0
33	0	3.29E-05	6.57E-05	0.006345	0	0	0	0	0
34	0	9.86E-05	0.000263	0.035964	0	0	0	0	0
35	0	0	0	0.004011	0	0	0	0	0
36	9.86E-05	0.000625	0	0.00572	0	0	0	0	0.000131
37	0	9.86E-05	0.000263	0.007988	0	0	0	0	0
38	0	3.29E-05	0	0.001578	0	0	0	0	0
39	0	0	0.000394	0.000493	0	0	0	0	0
40	0	3.29E-05	0	0.009599	0	0	0	0	0
41	0	0.00023	0	0.00355	0	0	0	0	0
42	3.29E-05	0.000953	0.000559	0.000986	0	0	0	0	0
43	0	0.000394	0.000197	0.00046	0	0	0	0	0
44	0	0.000493	0.00069	0.002992	6.57E-05	0	0	0	0
45	0	0	0.00023	0.016864	0.000131	0	0	0	0
46	0	6.57E-05	9.86E-05	0.000394	0	0	0	0	0
47	0	3.29E-05	0	6.57E-05	0	0	0	0	0
48	0	0	0.000131	0.006476	0	0	0	0	0
49	0	0	0	0.001052	0	0	0	0	0

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2	0	0	0.000131	0.01144	0	0	0	0	0
3	0	9.86E-05	0.000953	0.003123	3.29E-05	0	0	0	0
4	0	6.57E-05	0.000131	0.012065	0	0	0	0	0
5	0	0	0	0.008909	0	0	0	0	0
6	0	0.000131	0.001052	0.001742	0	0	0	0	0
7	0	0.000164	0.000625	0.000625	0	0	0	0	0
8	0	9.86E-05	3.29E-05	0.004734	0	0	0	0	0
9	0	3.29E-05	0	0.004011	0	0	0	0	0
10	0	0	0	0.000855	0	0	0	0	0
11	0	6.57E-05	6.57E-05	0.000493	0	0	0	0	0
12	0	3.29E-05	0	0.003024	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0.000164	0	0	0	0	0	0
15	0	0	0	0.001742	0	0	0	0	0
16	0	3.29E-05	3.29E-05	0.003189	0	0	0	0	0
17	0	0	0	0.002729	0	0	0	0	0
18	0	0	0	0.000526	0	0	0	0	0
19	3.29E-05	0	0.000131	0.002498	3.29E-05	0	0	0	0
20	0	0	0	0.011572	0	0	0	0	0
21	0	0	0	0.00812	0	0	0	0	0
22	0	0	0	0.003452	0	0	0	0	0
23	0	0	9.86E-05	0.005227	0	0	0	0	0
24	0	0	0	0.003682	0	0	0	0	0
25	0	3.29E-05	3.29E-05	0.000888	0	0	0	0	0
26	0	0.000197	0	0.006673	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0.000329	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	3.29E-05	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	3.29E-05	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	3.29E-05	6.57E-05	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	3.29E-05	6.57E-05	0	0	0	0
38	0	0	0	3.29E-05	0	0	0	0	0
39	0	0	0	3.29E-05	6.57E-05	0	0	0	0
40	0	0	0	6.57E-05	0	0	0	0	0
41	0	3.29E-05	0.000263	0.001446	0	0	0	0	0
42	0	0	0	0.000822	0	0	0	0	0
43	0	3.29E-05	6.57E-05	0.006312	6.57E-05	0	0	0	0
44	0	0	0.000164	0.027351	0	0	0	0	0
45	0	0.000329	0.00023	0.006049	3.29E-05	0	0	0	0
46	0	0.000164	0.000723	0.003156	0	0	0	0	0
47	0	0.000362	0.00069	0.002531	0	0	0	0	0
48	0	0	0	0.002433	0	0	0	0	0
49	0	6.57E-05	0	0.013807	0	0	0	0	0
50	0	0.00023	0	0.031099	0	0	0	0	0
51	0	0	0	0.004997	0	0	0	0	0
52	0	0	3.29E-05	0.000296	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0

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2	0	0	0	0.007265	0.000164	0	0	0	0
3	0	0.00046	0	0.030211	0	0	0	0	0
4	0	0.000164	3.29E-05	0.000263	0	0	0	0	0
5	0	0	3.29E-05	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	3.29E-05	0.000131	0.019199	0	0	0	0	0
9	0	6.57E-05	0	0.000953	0	0	0	0	0
10	0	0.000723	0.002301	0.00286	0	0	0	0	0
11	0	0	0	0.000329	3.29E-05	0	0	0	0
12	0	3.29E-05	3.29E-05	3.29E-05	6.57E-05	0	0	0	0
13	0	3.29E-05	3.29E-05	3.29E-05	6.57E-05	0	0	0	0
14	0	0.001216	3.29E-05	0.058648	0	0	0	0	0
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21	0	0	0	9.86E-05	0	0	0	0	0
22	0	3.29E-05	0	0.01739	0	0	0	0	0
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<https://mc.manuscriptcentral.com/thorax>

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3	0	0	0	0	0	0	0	0	0
4	0	0	0	9.86E-05	0	0	3.29E-05	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
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11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
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16	0	0	0	0	0	0	0	0	0
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21	0	0	0	0	0	0	0	0	0
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39	0	0	0	0	0	0	0	0	0
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41	0	0	0	6.57E-05	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0.000427	0	0	0
49	0	0	0	0	0	0	0	0	0
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53	0	0	0	0	0	0	0	0	0
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58									
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1									
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32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	6.57E-05	0	0	0.000197	0	0
35	0	0	0	3.29E-05	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
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41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
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45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	3.29E-05	0	0	0	0	0
50	0	0	0	0.000131	0	0	0	0	0
51	0	0	0	3.29E-05	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
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56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
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3	0	0	0	0	0	0	0	0	0
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7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	9.86E-05	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0.000131	0	0	0	0	0
12	0	0	0	3.29E-05	0	0	0	0	0
13	0	0	0	0.00023	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
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16	0	0	0	0.000164	0	0	0	0	0
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23	0	0	0	0	0	0	0	0	0
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37	0	0	0	6.57E-05	0	0	0	0	0
38	0	0	0	0.00023	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	6.57E-05	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
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49	0	0	0	0	0	0	0	0	0
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53	0	0	0	0	0	0	0	0	0
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56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
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3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
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12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
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23	0	0	0	0	0	0	0	0	0
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27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0.000164	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
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33	0	0	0	0	0	0	0	0	0
34	0	0	0	6.57E-05	0	0	0	0	0
35	0	0	0	0.000164	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	9.86E-05	0	3.29E-05	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0.00046	0	0	0
42	0	0	0	0	0	0	3.29E-05	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0.00046	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0.000164	3.29E-05	0.000197	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0.000197	0.000131	3.29E-05	0	0
54	0	0	0	9.86E-05	0.000329	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59									
60									

1									
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3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
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19	0	0	0	0	0	0	0	0	0
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21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
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26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
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29	0	0	0	0	0	0	0	0	0
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31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
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36	0	0	0	0	0	0	0	0	0
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39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	9.86E-05	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0.000164	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
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[illegible]

1									
2									
3									
4	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
5	0	0	0	0	0.000164	0	0	0	0
6	0	0	0	0	0.00046	0	0	0	0
7	0	0	0	0	0.000164	0	0	0	0
8	0	0	0	0	0.000164	0	0	0	0
9	0	0	0	0	0.000164	0	0	0	0
10	0	0	0	0	6.57E-05	0	0	0	0
11	0	0	0	0	9.86E-05	0	0	0	0
12	0	0	0	0	0.00023	0	0	0	0
13	0	0	0	0	9.86E-05	0	0	0	0
14	0	0	0	0	9.86E-05	0	0	0	0
15	0	0	0	0	0.000164	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0.000197	0	0	0	0
18	0	0	0	0	0.0024	0	0	0	0
19	0	0	0	0	0.000756	0	0	0.008843	
20	0	0	0	0	0.000131	0	0	0	0
21	0	0	0	0	0.000197	0	0	0	0
22	0	0	0	0	6.57E-05	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	3.29E-05	0.000329	0	0	0
25	0	0	0	0	6.57E-05	0	0	0	0
26	0	0	0	0	0.001315	0	0	0	0
27	0	0	0	0	0.000822	0	0	0	0
28	0	0	0	0	0.005589	0	0	0	0
29	0	0	0	0	0.010553	0	0	0	0
30	0	0	0	0	0.002827	0	0	0	0
31	0	0	0	0	0.001874	0	0	0	0
32	0	0	0	0	0.002926	0	0	0	0
33	0	0	0	0	0.001414	0	0	0	0
34	0	0	0	0	0.002531	0	0	0	0
35	0	0	0	0	0.001775	0	0	0	0
36	0	0	0	0	0.001709	0	0	0	0
37	0	0	0	0	0.000723	0	0.000296	0	0
38	0	0	0	0	0.00263	0	0	0	0
39	0	0	0	0	0.002531	0	0	0	0
40	0	0	0	0	0.001611	0	0	0	0
41	0	0	0	0	0.001216	0	0	0	0
42	0	0	0	0	0.001381	0	0	0	0
43	0	0	0	0	0.000789	0	0	0	0
44	0	0	0	0	0.00092	0	0	0	0
45	0	0	0	0	0.002203	0	0	0	0
46	0	0	0	0	0.001709	0	0	0	0
47	0	0	0	0	0.001085	0	0	0	0
48	0	0	0	0	0.001611	0	0	0	0
49	0	0	0	0	0.002104	0	0	0	0
50									
51									
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57									
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1									
2	0	0	0	0	0.003222	0	0	0	0
3	0	0	0	0	0.000953	0	0	0	0
4	0	0	0	0	0.001019	0	0	0	0
5	0	0	0	0	0.003945	0	0	0	0
6	0	0	0	0	0.002893	0	0	0	0
7	0	0	0	0	6.57E-05	0	0	0	0
8	0	0	0	0	3.29E-05	0	0	0	0
9	0	0	0	0	0.000592	0	0	0	0
10	0	0	0	0	0.010191	0	0	0	0
11	0	0	0	0	0.003616	0	0	0	0
12	0	0	0	0	0.001611	0	0	0	0
13	0	0	0	0	0.001644	0	0	0	0
14	0	0	0	0	0.000657	0	0	0	0
15	0	0	0	0	0.001019	0	0	0	0
16	0	0	0	0	0.000164	0	0	0	0
17	0	0	0	0	0.001808	0	0	0	0
18	0	0	0	0	0.000789	0	0	0	0
19	0	0	0	0	0	0	0	0	0
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21	0	0	0	0	0.000888	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	3.29E-05	0	0	0	0
24	0	0	0	0	6.57E-05	0	0	0	0
25	0	0	0	0	9.86E-05	0	0	0	0
26	0	0	0	0	0.002104	0	0	0	0
27	0	0	0	0	0.00023	0	0	0	0
28	0	0	0	0	0.002663	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0.000789	0	0	0	0
31	0	0	0	0	0.000197	0	0	0	0
32	0	0	0	0	0.00069	0	0	0	0
33	0	0	0	0	0.001085	3.29E-05	0.000592	0	0
34	0	0	0	0	0.001282	0	0	0	0
35	0	0	0	0	0.001085	0	0	0	0
36	0	0	0	0	0.001085	0	0	0	0
37	0	0	0	0	0.013643	0	0	0	0
38	0	0	0	0	0.000888	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0.002729	0	0	0	0
41	0	0	0	0	0.000131	0	0	0	0
42	0	0	0	0	0.000986	0	0	0	0
43	0	0	0	0	0.001644	0	0	0	0
44	0	0	0	0	0.0024	0	0	0	0
45	0	0	0	0	0.000296	6.57E-05	0.000164	0	0
46	0	0	0	0	6.57E-05	0	0	0	0
47	0	0	0	0	0.002104	0	0	0	0
48	0	0	0	0	0.000362	0	0	0	0
49									
50									
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1									
2	0	0	0	0	0.000131	0	0	0	0
3	0	0	0	0	0.000625	0	0	0	0
4	0	0	0	0	0.000329	0	0	0	0
5	0	0	0	0	0.000756	0	3.29E-05	0	0
6	0	0	0	0	0.001019	0	0	0	0
7	0	0	0	0	0.000855	0	0	0	0
8	0	0	0	0	9.86E-05	0	0	0	0
9	0	0	0	0	0.000362	0	0	0	0
10	0	0	0	0	0.000329	0	0	0	0
11	0	0	0	0	0.002137	0	0	0	0
12	0	0	0	0	0.001348	3.29E-05	0	0	0
13	0	0	0	0	0.000526	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0.001808	0	0	0	9.86E-05
16	0	0	0	0	0.000164	0	0	0	0
17	0	0	0	0	3.29E-05	0	0	0	0
18	0	0	0	0	0.000164	0	0	0	0
19	0	0	0	0	0.000592	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	6.57E-05	0	0	0	0
22	0	0	0	0	0.000756	0	0	0	0
23	0	0	0	0	0.001118	0	0	0	0
24	0	0	0	0	0.000362	0	0	0	0
25	0	0	0	0	0.001151	0	0	0	0
26	0	0	0	0	0.000362	0	0	0	0
27	0	0	0	0	0.001414	0	0	0	0
28	0	0	0	0	0.000197	0	0	0	0
29	0	0	0	0	0.002433	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	6.57E-05	0	0	0	0
33	0	0	0	0	0.000756	0	0	0	0
34	0	0	0	0	6.57E-05	0	0	0	0
35	0	0	0	0	0.000822	0	0	0	0
36	0	0	0	0	0.00069	0	0	0	0
37	0	0	0	0	0.001151	0	0	0	0
38	0	0	0	0	0.000789	0	0	0	0
39	0	0	0	0	0.000526	0	0	0	0
40	0	0	0	0	0.001019	0	0	0	0
41	0	0	0	0	0.000756	0	0	0	0
42	0	0	0	0	0.001907	0	0	0	0
43	0	0	0	0	0.001512	0	0	0	0
44	0	0	0	0	6.57E-05	0	0	0	0
45	0	0	0	0	0.003452	0	0	0	0
46	0	0	0	0	0.001118	0	0	0	0
47	0	0	0	0	0.001907	0	0	0	0
48	0	0	0	0	0.000756	0	0	0	0
49	0	0	0	0	0.000756	0	0	0	0
50	0	0	0	0	0.000756	0	0	0	0
51	0	0	0	0	0.000756	0	0	0	0
52	0	0	0	0	0.000756	0	0	0	0
53	0	0	0	0	0.000756	0	0	0	0
54	0	0	0	0	0.000756	0	0	0	0
55	0	0	0	0	0.000756	0	0	0	0
56	0	0	0	0	0.000756	0	0	0	0
57	0	0	0	0	0.000756	0	0	0	0
58									
59									
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2	0	0	0	0	0.001907	0	0	0	0
3	0	0	0	0	0.000756	0	0	0	0
4	0	0	0	0	0.002597	0	0	0	0
5	0	0	0	0	0.001644	0	0	0	0
6	0	0	0	0	0.000592	0	0	0	0
7	0	0	0	0	0.005128	0	0	0	0
8	0	0	0	0	0.001348	0	0	0	0
9	0	0	0	0	0.000559	0	0	0	0
10	0	0	0	0	0.002301	0	0	0	0
11	0	0	0	0	0.003287	0	0	0	0
12	0	0	0	0	0.000953	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	3.29E-05	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0.000263	0.014596	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	3.29E-05	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0.000822	0	0	0	0
29	0	0	0	0	0.00069	0	0	0	0
30	0	0	0	0	0.001742	0	0	0	0
31	0	0	0	0	0.001052	0	0	0	0
32	0	0	0	0	0.000723	0	0	0	0
33	0	0	0	0	0.000394	0	0	0	0
34	0	0	0	0	0.000723	0	0	0	0
35	0	0	0	0	0.000131	0	0	0	0
36	0	0	0	0	0.001512	0	0	0	0
37	0	0	0	0	0.000789	0	0	0	0
38	0	0	0	0	0.002498	0	0	0	0
39	0	0	0	0	0.003879	0	0	0	0
40	0	0	0	0	0.001414	0	0	0	0
41	0	0	0	0	0.002794	0	0	0	0
42	0	0	0	0	0.001315	0	0	0	0
43	0	0	0	0	0.002301	0	0	0	0
44	0	0	0	0	0.00069	0	6.57E-05	0	0
45	0	0	0	0	0.000362	0	3.29E-05	0	0
46	0	0	0	0	0.001972	0	6.57E-05	0	0
47	0	0	0	0	0.000263	0	0	0	0
48	0	0	0	0	0.000723	0	0	0	0
49	0	0	0	0	0.001874	0	0	0	0
50	0	0	0	0	0.001874	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
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1									
2	0	0	0	0	3.29E-05	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	3.29E-05	6.57E-05	0	0	0	0
5	0	0	0	0	0	0	0	0	3.29E-05
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0.001808	0	0	0	0
9	0	0	0	0	0.000723	0	0	0	0
10	0	0	0	0	0.001249	0	0	0	0
11	0	0	0	0	0.000657	0	0	0	0
12	0	0	0	0	0.000592	0	0	0	0
13	0	0	0	0	0.000592	0	0	0	0
14	0	0	0	0	9.86E-05	0	0	0	0
15	0	0	0	0	0.000888	0	0	0	0
16	0	0	0	0	0.001512	0	0	0	0
17	0	0	0	0	0.000197	0	0	0	0
18	0	0	0	0	0.001118	0	0	0	0
19	0	0	0	0	0.00023	0	0	0	0
20	0	0	0	0	0.000493	0	0	0	0
21	0	0	0	0	0.000493	0	0	0	0
22	0	0	0	0	3.29E-05	0	0	0	0
23	0	0	0	0	0.000394	0	0	0	0
24	0	0	0	0	0.000296	0	0	0	0
25	0	0	0	0	0.001709	0	0	0	0
26	0	0	0	0	0.002794	0	0	0	0
27	0	0	0	0	0.000197	0	0	0	0
28	0	0	0	0	6.57E-05	0	0	0	0
29	0	0	0	0	0.000592	0	0	0	0
30	0	0	0	0	0.00092	0	0	0	0
31	0	0	0	0	0.001874	0	0	0	0
32	0	0	0	0	0.000657	0	0	0	0
33	0	0	0	0	0.002531	0	0	0	0
34	0	0	0	0	0.000427	0	0	0	0
35	0	0	0	0	0.001479	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	3.29E-05	0	0	0	0
38	0	0	0	0	0.00023	0	0	0	0
39	0	0	0	0	0.00194	0	0	0	0
40	0	0	0	0	0.000493	0	0	0	0
41	0	0	0	0	0.006016	0	0	0	0
42	0	0	0	0	0.002597	0	0	0	0
43	0	0	0	0	0.000164	0	0	0	0
44	0	0	0	0	0.000986	0	0	0	0
45	0	0	0	0	0.001972	0	0	0	0
46	0	0	0	0	0.004208	0	0	0	0
47	0	0	0	0	0.003287	0	0	0	0
48	0	0	0	0	0.003485	0	0	0	0
49	0	0	0	0	0.001348	0	0	0	0
50	0	0	0	0	0.003419	0	0	0	0
51	0	3.29E-05	0	0	0.002203	3.29E-05	0	0	0
52									
53									
54									
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58									
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1									
2	0	0	0	0	0.000493	0	0	0	0
3	0	0	0	0	0.002203	0	0	0	0
4	0	0	0	0	0.00092	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0.00194	0	0	0	0
7	0	0	0	0	0.000625	0	0	0	0
8	0	0	0	0	0.001019	0	0	0	0
9	0	0	0	0	0.002268	0	0	0	0
10	0	0	0	0	0.003846	0	0	0	3.29E-05
11	0	0	0	0	0.001479	0	0	0	0
12	0	0	0	0	0.000164	0	0	0	0
13	0	0	0	0	0.002203	0.001446	0	0	0
14	0	0	0	0	0.00023	0	0	0	0
15	0	0	0	0	9.86E-05	0	0	0	0
16	0	0	0	0	0.001709	0	0	0	0
17	0	0	0	0	0.002038	0	0	0	0
18	0	0	0	0	0.001348	0	0	0	0
19	0	0	0	0	0.000592	0	0	0	0
20	0	0	0	0	0.001019	0	0	0	0
21	0	0	0	0	0.002038	0	0	0	0
22	0	0	0	0	0.001578	0	0	0	0
23	0	0	0	0	0.001052	0	0	0	0
24	0	0	3.29E-05	0	0.000756	0	0	0	0
25	0	0	0	0	0.000559	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0.00046	0	0	0	0
28	0	0	0	0	0.000131	0	0	0	0
29	0	0	0	0	3.29E-05	0	0	0	0
30	0	0	0	0	0.000592	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	9.86E-05	0	0	0	0
33	0	0	0	0	9.86E-05	0	0	0	0
34	0	0	0	0	0.000657	0	0	0	0
35	0	0	0	0	0.001019	0	0	0	0
36	0	0	0	0	0.000888	0	0	0	0
37	0	0	0	0	0.001677	0	0	0	0
38	0	0	0	0	0.001019	0	0	0	0
39	0	0	0	0	0.00046	0	0	0	0
40	0	0	0	0	0.001381	0	0	0	0
41	0	0	0	0	0.002104	0	0	0	0
42	0	0	0	0	0.001183	0	0	0	0
43	0	0	0	0	0.001381	0	0	0	0
44	0	0	0	0	0.001282	0	0	0	0
45	0	0	0	0	0.000131	0	0	0	0
46	0	0	0	0	6.57E-05	0	0	0	0
47	0	0	0	0	0.000394	0	0	0	0
48	0	0	0	0	0.00046	0	0	0	0
49									
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1									
2	0	0	0	0	0.002729	0	0	0	0
3	0	0	0	0	0.001709	6.57E-05	0	0	0
4	0	0	0	0	0.00046	0	0	0	0
5	0	0	0	0	0.002893	0	0	0	0
6	0	0	0	0	0.001545	0	0	0	0
7	0	0	0	0	0.001742	0	0	0	0
8	0	0	0	0	0.001479	0	0	0	0
9	0	0	0	0	0.000526	0	0	0	0
10	0	0	0	0	0.00092	0	0	0	0
11	0	0	0	0	0.000526	0	0	0	0
12	0	0	0	0	0.000362	0	0	0	0
13	0	0	0	0	0.000263	0	0	0	0
14	0	0	0	0	0.001151	0	0	0	0
15	0	0	0	0	0.000164	0	0	0	0
16	0	0	0	0	0.000164	0	0	0	0
17	0	0	0	0	0.000625	0	0	0	0
18	0	0	0	0	6.57E-05	0	0	0	0
19	0	0	0	0	0.000197	0	0	0	0
20	0	0	0	0	0.000197	0	0	0	0
21	0	0	0	0	0.000592	0	0	0	0
22	0	0	0	0	3.29E-05	0	0	0	0
23	0	0	0	0	0.000197	0	0	0	0
24	0	0	0	0	0.000329	0	0	0	0
25	0	0	0	0	0.00023	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0.000263	0	0	0	0
30	0	0	0	0	0.002433	0	0	0	0
31	0	0	0	0	0.000592	0	0	0	0
32	0	0	0	0	9.86E-05	0	0	0	0
33	0	0	0	0	0.014793	0	0	0	0
34	0	0	0	0	3.29E-05	0	0	0	0
35	0	0	0	0	0.000592	0	0	0	0
36	0	0	0	0	0.000723	0	0	0	0
37	0	0	0	0	0.001512	0.000263	0	0.000164	0.001052
38	0	0	0	0	0.001644	0	0	0	0
39	0	0	0	0	0.003616	0	0	0	0
40	0	0	0	0	0.001841	0	0	0	0
41	0	0	0	0	0.0024	0	0	0	0
42	0	0	0	0	0.001315	0	0	0	0
43	0	0	0	0	0.001381	0	0	0	0
44	0	0	0	0	0.001381	0	0	0	0
45	0	0	0	0	0.001381	0	0	0	0
46	0	0	0	0	0.001381	0	0	0	0
47	0	0	0	0	0.001381	0	0	0	0
48	0	0	0	0	0.001381	0	0	0	0
49	0	0	0	0	0.001381	0	0	0	0
50	0	0	0	0	0.001381	0	0	0	0
51	0	0	0	0	0.001381	0	0	0	0
52	0	0	0	0	0.001381	0	0	0	0
53	0	0	0	0	0.001381	0	0	0	0
54	0	0	0	0	0.001381	0	0	0	0
55	0	0	0	0	0.001381	0	0	0	0
56	0	0	0	0	0.001381	0	0	0	0
57	0	0	0	0	0.001381	0	0	0	0
58	0	0	0	0	0.001381	0	0	0	0
59	0	0	0	0	0.001381	0	0	0	0
60	0	0	0	0	0.001381	0	0	0	0

1									
2	0	0	0	0	0.003452	0	0	0	0
3	0	0	0	0	0.002203	0	0	0	0
4	0	0	0	0	0.000789	0	0	0	0
5	0	0	0	0	0.00309	0	0	0	0
6	0	0	0	0	0.00194	0	0	0	0
7	0	0	0	0	0.003156	0	0	0	0
8	0	0	0	0	0.001841	0	0	0	0
9	0	0	0	0	0.000723	0	0	0	0
10	0	0	0	0	0.001315	0	0	0	0
11	0	0	0	0	0.002071	0	0	0	0
12	0	0	0	0	0.002794	0	0	0	0
13	0	0	0	0	0.000197	0	0	0	0
14	0	0	0	0	0.002729	0	0	0	0
15	0	0	0	0	0.006641	0	0	0	0
16	0	0	0	0	0.002334	0	0	0	0
17	0	0	0	0	6.57E-05	0	0	0	0
18	0	0	0	0	0.000625	0	0	0	0
19	0	0	0	0	0.000789	0	0	0	0
20	0	0	0	0	0.000131	0	0	0	0
21	0	0	0	0	6.57E-05	0	0	0	0
22	0	0	0	0	0.000986	0	0	0	0
23	0	0	0	0	0.001841	0	0	0	0
24	0	0	0	0	0.00023	0	0	0	0
25	0	0	0	0	0.001183	0	0	0	0
26	0	0	0	0	0.000263	0	0	0	0
27	0	0	0	0	0.000394	0	0	0	0
28	0	0	0	0	0.001348	0	0	0	0
29	0	0	0	0	0.001052	0	0	0	0
30	0	0	0	0	0.00263	0	0	0	0
31	0	0	0	0	0.001414	0	0	0	0
32	0	0	0	0	0.000427	0	0	0	0
33	0	0	0	0	9.86E-05	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0.000164	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0.001151	0	0	0	0
40	0	0	0	0	0.003057	0	0	0	0
41	0	0	0	0	0.001545	0	0	0	0
42	0	0	0	0	9.86E-05	0	0.000986	0	0
43	0	0	0	0	0.000756	0	0	0	0
44	0	0	0	0	0.000789	0	0.000427	0	0
45	0	0	0	0	0.001249	0	0	0	0
46	0	0	0	0	0.001479	0	0	0	0
47	0	0	0	0	0.000427	0	0	0	0
48									
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1									
2	0	0	0	0	3.29E-05	0	0	0	0
3	0	0	0	0	0.000526	0	0	0	0
4	0	0	0	0	0	0	0	0	0
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6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	6.57E-05	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
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14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	3.29E-05	0	0	0	0
16	0	0	0	0	3.29E-05	0	0	0	0
17	0	0	0	0	0	0	0	0	0
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19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0.009534	0	0	0	0
23	0	0	0	0	0.008679	0	0	0	0
24	0	0	0	0	0.00332	0	0	0	0
25	0	0	0	0	0.002301	0	0	0	0
26	0	0	0	0	0.001414	0	0	0	0
27	0	0	0	0	0.002466	0	0	0	0
28	0	0	0	0	0.001907	0	0	0	0
29	0	0	0	0	0.001249	0	0	0	0
30	0	0	0	0	0.001677	0	0	0	0
31	0	0	0	0	0.00023	0	0	0	0
32	0	0	0	0	0.002203	0	0	0	0
33	0	0	0	0	0.000427	0	0	0	0
34	0	0	0	0	0.001052	0	0	0	0
35	0	0	0	0	0.001183	0	0	0	0
36	0	0	0	0	9.86E-05	0	0	0	0
37	0	0	0	0	0.000822	0	0	0	0
38	0	0	0	0	6.57E-05	0	0	0	0
39	0	0	0	0	0.000888	0	0	0	0
40	0	0	0	0	0.000953	0	0	0	0
41	0	0	0	0	0.001118	0	0	0	0
42	0	0	0	0	0.002137	0	0.000986	0	0
43	0	0	0	0	0.000592	0	0	0	0
44	0	0	0	0	0.002663	0	0	0	0
45	0	0	0	0	0.002104	0	0	0	0
46	0	0	0	0	0.000657	0	0	0	0
47	0	0	0	0	0.001775	0	0	0	0
48	0	0	0	0	0.002466	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0.000526	0	0	0	0
51	0	0	0	0	0.000559	0	0	0	0
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2	0	0	0	0	0.002367	0	0	0	0
3	0	0	0	0	0.000953	0	0	0	0
4	0	0	0	0	0.000131	0	0	0	0
5	0	0	0	0	0.004767	0	0	0	0
6	0	0	0	0	0.000329	0	0	0	0
7	0	0	0	0	0.001151	0	0	0	0
8	0	0	0	0	0.000986	0	0	0	0
9	0	0	0	0	9.86E-05	0	0	0	0
10	0	0	0	0	0.000756	0	3.29E-05	0	0
11	0	0	0	0	0.000131	0	0	0	0
12	0	0	0	0	0.000526	0	0	0	0
13	0	0	0	0	0.000855	0	0	0	0
14	0	0	0	0	0.004471	0	0	0	0
15	0	0	0	0	0.002794	0	0	0	0
16	0	0	0	0	0.002597	0	0	0	0
17	0	0	0	0	0.001282	0	0	0	0
18	0	0	0	0	0.001315	0	0.001611	0	0
19	0	0	0	0	0.002203	0	0	0	0
20	0	0	0	0	0.001512	0	0	0	0
21	0	0	0	0	0.000526	0	0	0	0
22	0	0	0	0	0.001479	0	0	0	0
23	0	0	0	0	0.001709	0	0	0	0
24	0	0	0	0	0.001315	0	0	0	0
25	0	0	0	0	0.003024	0	0	0	0
26	0	0	0	0	0.003682	0	0	0	0
27	0	0	0	0	0.00023	0	0	0	0
28	0	0	0	0	0.000657	0	0	0	0
29	0	0	0	0	0.002071	0	0	0	0
30	0	0	0	0	0.000427	0	0	0	0
31	0	0	0	0	0.001907	0	0	0	0
32	0	0	0	0	0.002531	0	0	0	0
33	0	0	0	0	0.001085	0	0	0	0
34	0	0	0	0	0.000526	0	0	0	0
35	0	0	0	0	0.001183	0	0	0	0
36	0	0	0	0	0.00457	0	0	0	0
37	0	0	0	0	0	0	0	0	3.29E-05
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	3.29E-05	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
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43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0.000197
50	0	0	0	0	0.000855	0	9.86E-05	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	3.29E-05	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0.008416	0	0.00046	0	0
57	0	0	0	0	0.002367	0	0	0	0
58									
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2	0	0	0	0	0.00309	0	0	0	0
3	0	0	0	0	0.001874	0	0	0	0
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5	0	0	0	0	0.000296	0	0	0	0
6	0	0	0	0	0.002926	0	0	0	0
7	0	0	0	0	0.001216	0	0	0	0
8	0	0	0	0	0.000394	0	0	0	0
9	0	0	0	0	0.000263	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0.001972	0	0	0	0
12	0	0	0	0	0.000394	0	0	0	0
13	0	0	0	0	0.000888	0	0	0	0
14	0	0	0	0	3.29E-05	0	0	0	0
15	0	0	0	0	3.29E-05	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	6.57E-05	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0.007693	0	0	0
20	0	0	0	0	0	0	0	0	0
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22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	6.57E-05	0	0	0	0
26	0	0	0	0	0	3.29E-05	0	0	0
27	0	0	0	0	0	0	0	0	0
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29	0	0	0	0	0.000657	0	0	0	0
30	0	0	0	0	0.000394	0	0	0	3.29E-05
31	0	0	0	0	0.002433	0	0	0	0
32	0	0	0	0	0.00092	0	0	0	0
33	0	0	0	0	0.00263	0	0	0	0
34	0	0	0	0	0.002334	0	0	0	0
35	0	0	0	0	0.001709	0	0	0	0
36	0	0	0	0	0.000559	0	0	0	0
37	0	0	0	0	0.003583	0	0	0	0
38	0	0	0	0	0.000296	0	0	0	0
39	0	0	0	0	6.57E-05	0	0	0	0
40	0	0	0	0	0.001052	0	0	0	0
41	0	0	0	0	0	0.000394	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0.000164	0	0	0	0
44	0	0	0	0	0.000197	0	0	0	0
45	0	0	0	0	0.011703	0	0	0	0
46	0	0	0	0	0.002761	0	0	0	0
47	0	0	0	0	0.002827	0	9.86E-05	0	0
48	0	0	0	0	0.007101	0	0	0	0
49	0	0	0	0	0.000657	0	0	0	0
50	0	0	0	0	0.001118	0	0	0	0
51									
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2	0	0	0	0	0.000394	0	0	0	0
3	0	0	0	0	0.001183	0	0	0	0
4	0	0	0	0	0.000822	0	0	0	0
5	0	0	0	0	0.000822	0	0	0	0
6	0	0	0	0	0.001578	0	0	0	0
7	0	0	0	0	0.00092	0	0	0	0
8	0	0	0	0	0.001446	0	0	0	0
9	0	0	0	0	0.000657	0	0	0	0
10	0	0	0	0	0.001183	0	0	0	0
11	0	0	0	0	0.000394	0	0	0	0
12	0	0	0	0	0.000657	0	0	0	0
13	0	0	0	0	0.000986	0	0	0	0
14	0	0	0	0	0.000592	0	0	0	0
15	0	0	0	0	0.000526	0	6.57E-05	0	0
16	0	0	0	0	0.000197	0	0	0	0
17	0	0	0	0	0.000559	0	0	0	0
18	0	0	0	0	0.000164	0	0	0	0
19	0	0	0	0	0.000493	0	0	0	0
20	0	0	0	0	0.000362	0	0	0	0
21	0	0	0	0	0.000657	0	0	0	0
22	0	0	0	0	0.000329	0	0	0	0
23	0	0	0	0	0.000394	0	0	0	0
24	0	0	0	0	9.86E-05	0	0	0	0
25	0	0	0	0	3.29E-05	0	0	0	0
26	0	0	0	0	0.000559	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0.000131	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
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36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
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40	0	0	0	0	0	3.29E-05	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	6.57E-05	0	0	0	0
43	0	0	0	0	0.002268	0	0	0	0
44	0	0	0	0	0.001381	0	0	0	0
45	0	0	0	0	0.001183	0	0	0	0
46	0	0	0	0	0.004537	0	0	0	0
47	0	0	0	0	0.002367	0	0	0	0
48	0	0	0	0	0.00263	0	0	0	0
49	0	0	0	0	0.000164	0	0	0	0
50	0	0	0	0	0.002794	0	0	0	0
51	0	0	0	0	0.001874	0	0	0	0
52	0	0	0	0	0.001118	0	0	0	0
53	0	0	0	0	0.000394	0	0	0	0
54	0	0	0	0	0.000789	0	0	0	0
55									
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2	0	0	0	0	0.000164	0	9.86E-05	0	0
3	0	0	0	0	0.001611	0	0	0	0
4	0	0	0	0	0.003616	0	0	0	0
5	0	0	0	0	0.002794	0	0	0	0
6	3.29E-05	0	0	0	0.001216	0	0	0	0
7	0	0	0	0	0.000559	0	0	0	0
8	0	0	0	0	0.00092	0	3.29E-05	0	0
9	0	0	0	0	0.002959	0	0	0	0
10	0	0	0	0	6.57E-05	0	0	0	0
11	0	0	0	0	0.000559	0	0	0	9.86E-05
12	0	0	0	0	0.001841	0	0	0	0
13	0	0	0	0	0.000625	0	0	0	0
14	0	0	0	0	0.00023	0	0	0	0
15	0	0	0	0	0.000394	0	0	0	0
16	0	0	0	0	0.000427	0	0	0	0
17	0	0	0	0	0.000657	0	0	0	0
18	0	0	0	0	6.57E-05	0	0	0	0
19	0	0	0	0	0.001183	0	0	0	0
20	0	0	0	0	0.001348	0	0	0	0
21	0	0	0	0	0.000559	0	0	0	0
22	0	0	0	0	0.001052	0	0	0	0
23	0	0	0	0	0.003781	0	0	0	0
24	0	0	0	0	0.000131	0	0	0	0
25									
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k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
0	0	0	3.29E-05	0	0	0	0	0	0
0	0	0	6.57E-05	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0	0
0	0	0	0.00069	0	0	3.29E-05	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	3.29E-05	0	0
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0	0	0	0	0	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0	0
0	0	0	0.049311	0	0.001282	0	3.29E-05	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0.061014	0	9.86E-05	0.000362	0.00046	0	0
0	0	0	3.29E-05	0	0	0	0	0	0
0	0	0	0.02288	0	0.00069	6.57E-05	3.29E-05	0	0
0	0	0	0.001282	0	0.000131	0	0	0	0
0	0	0	6.57E-05	0	0	0	0	0	0
0	3.29E-05	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	3.29E-05	0	0.000164	0	0	0	3.29E-05	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	9.86E-05	0	0	0	6.57E-05	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0.000164	0	0	0	0	0	0	0	0
0	0.000164	0	0.00069	0	0	0	0	0	0
0	0	0	0.000329	0	0	0	0	0	0
0	0.00046	0	9.86E-05	0	0	0	0	3.29E-05	0
0	3.29E-05	0	0.001085	0	0	0	0.00023	0	0
0	0.000493	0	6.57E-05	0	0	0	0	0	0
0	0.000362	0	3.29E-05	0	0	0	0	0	0
0	9.86E-05	0	0	0	0	0	0	0	0
0	0.000197	0	3.29E-05	0	0	0	0	0	0
0	0	0	0.000164	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

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2	0	0.000164	0	0	0	0	0	0
3	0	3.29E-05	0	0	0	0	0	0
4	0	0	0	3.29E-05	0	0	0	0
5	0	0	0	3.29E-05	0	0	0	0
6	0	0	0	9.86E-05	0	0	0	0
7	0	0	0	3.29E-05	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	3.29E-05	0	0	0	0	0	0
11	0	0.002433	0	0	0	0	0	0
12	0	0	0	3.29E-05	0	0	0	0
13	0	0	0	9.86E-05	0	0	0	0
14	0	0	0	3.29E-05	0	0	0	0
15	0	0	0	0	0	0	0	0
16	0	0	0	0.000888	0	0	0	3.29E-05
17	0	0.000559	0	0	0	0	0	0
18	0	0	0	0.0024	0	0	0	0
19	0	3.29E-05	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0
21	0	0	0	9.86E-05	0	0	0	0
22	0	0	0	0	0	0	0	0
23	0	0	0	3.29E-05	0	0	0	0
24	0	0	0	0	0	0	0	0
25	0	0	0	9.86E-05	0	0	0	0
26	0	0	0	0.000592	0	0	0	0
27	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0
29	0	0	0	0.068608	0	0.000131	0.00069	0.093067
30	0	0	0	3.29E-05	0	0	0	0
31	0	0	0	0	0	0	0	0
32	0	0	0	6.57E-05	0	0	0	0
33	0	0	0	9.86E-05	0	0	0	0
34	0	0	0	0.000592	0	0	0	0
35	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0
37	0	0	0	0.000164	0	0	3.29E-05	0
38	0	3.29E-05	0	3.29E-05	0	0	0	0
39	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0
41	0	0	0	0.00023	0	0	0	0
42	0	9.86E-05	0	9.86E-05	0	0	0	0
43	0	3.29E-05	0	9.86E-05	0	0	0	0
44	0	0	0	0.003452	0	0	0	3.29E-05
45	0	0	0	0.000625	0	0	3.29E-05	6.57E-05
46	0	0	0	0.004076	0	6.57E-05	9.86E-05	3.29E-05
47	0	0	0	0.001874	0	0	0	0
48	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0
50	0	0	0	3.29E-05	0	0	0	0
51	0	0	0	0.000493	0	0	0	0
52	0	0	0	0.002334	0	0	6.57E-05	0
53	0	0	0	0.000263	0	0	0	0
54	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0
58								
59								
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1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	6.57E-05	0	0	0	0	0
5	0	3.29E-05	0	3.29E-05	0	0	0	6.57E-05	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	3.29E-05	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	3.29E-05	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0.00217	0	0	0	0	0
22	0	0	0	3.29E-05	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	3.29E-05	0	0	0	0	0
25	0	0	0	0.00023	0	0	0	0	0
26	0	6.57E-05	0	0	0	0	0	0	0
27	0	0.000329	0	0	0	0	0	0	0
28	0	3.29E-05	0	0	0	0	0	0	0
29	0	3.29E-05	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0.000164	0	0	0	0	0	0	0
40	0	0	0	6.57E-05	0	0	0	0	0
41	0	0.000131	0	0	0	0	0	0	0
42	0	0.000131	0	9.86E-05	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	3.29E-05	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	3.29E-05	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0.001414	0	0	0	0	0	0	0
49	0	3.29E-05	0	0	0	0	0.000197	0	0
50	0	3.29E-05	0	3.29E-05	0	0	0	0	0
51	0	0.00023	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	3.29E-05	0	0
54	0	0.000329	0	3.29E-05	0	0	0	0	0
55									
56									
57									
58									
59									
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1								
2	0	3.29E-05	0	0	0	0	0	0
3	0	0	0	0.001972	0	0	0	0
4	0	0	0	0.002137	0	0	0	0
5	0	0	0	0.000625	0	0	0	0
6	0	0	0	0.000493	0	0	0	0
7	0	0	0	3.29E-05	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	6.57E-05	0	0	0	0
11	0	0	0	0.000164	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0
14	0	0	0	6.57E-05	0	0	0	0
15	0	0	0.000855	0	0	0	0	0
16	0	0	0	0.000822	0	0	0	3.29E-05
17	0	0	0	0	0	0	0	0
18	0	0	0	0.001479	0	0	0	0
19	0	0	0	0.002038	0	0	0	0
20	0	0	0	0.122752	0	0	0	3.29E-05
21	0	0	0	0.450935	6.57E-05	0	0	0.00023
22	0	0	0	0.023472	0	0	0	3.29E-05
23	0	0	0	0	0	0	0	0
24	0	0	0	0.00457	0	0	0	3.29E-05
25	0	0	0	0.000197	0	0	0	0
26	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0
30	0	0	0	0.000164	0	0	0	0
31	0	0	0	0	0	9.86E-05	0	0
32	0	9.86E-05	0	0.001348	0	0	0	6.57E-05
33	0	0.000197	0	0.000855	0	0	0	0
34	0	0.000362	0	0.000559	0	0	0	0
35	0	3.29E-05	0	0.001545	0	0	0	0
36	0	0.000427	0	0	0	0	0	0
37	0	0.000822	0	0.012328	0	3.29E-05	3.29E-05	3.29E-05
38	0	0	0	0.000789	0	0	0	0
39	0	0.000164	0	0.00069	0	0	0	0
40	0	0.000526	0	0.012788	0	0	0	0
41	0	0	0	0.000625	0	0	0	3.29E-05
42	0	0.000131	0	0.000953	0	0	0	0
43	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0
45	0	0	0	0.000888	0	0	0	0
46	0	0	0	0	0	0	0	0
47	0	3.29E-05	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0
58								
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1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0.000263	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	3.29E-05	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	3.29E-05	0	0	0
14	0	0	0	0	0	0	0	0	0
15	6.57E-05	0.000329	0	0	0	0	0	0	0
16	0	0.00023	0	0	0	0	0	0	0
17	0	6.57E-05	0	0	0	0	0	0	0
18	3.29E-05	0.000296	0	0	0	0	0	0	0
19	0	0	0	0.000164	0	0	0	0	0
20	0	0	0	0	0	6.57E-05	0	0	0
21	0	0	0	3.29E-05	0	0	0	0	0
22	0	0	0	0.08189	0	0	0	0	0.001545
23	0	0	0	0.042309	0	0	0	0	0.001019
24	0	0	0	0.010257	0	0	0	0	0.000197
25	0	0	0	0.083895	0	0	0	0	0.001709
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0.000329	0	0	0	0	0	0	0
31	0	0.000263	0	0.000197	0	0	3.29E-05	0	0
32	0	0	0	0.003353	0	0	3.29E-05	0	0
33	0	3.29E-05	0	0.003419	0	0	0	0	0
34	0	0.000263	0	3.29E-05	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0.000493	0	0.000855	0	0	6.57E-05	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	6.57E-05	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	9.86E-05	9.86E-05	0	9.86E-05	0	0	0	0	0
49	0	0.000131	0	0	0	0	0	0	0
50	0	0.000362	0	9.86E-05	0	0	0	3.29E-05	0
51	0	0.000362	0	0	0	0	0	0	0
52	0	0.00023	0	0	0	0	0	0	0
53	0	0.000493	0	0	0	0	0	0	0
54	0	0.000493	0	0.000164	0	0	0	0	0
55	0	0.000164	0	3.29E-05	0	0	0	0	0
56									
57									
58									
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1								
2	0	0.000164	0	0	0	0	0	0
3	0	0	0	0.002334	0	0	0	0
4	0	0.000394	0	6.57E-05	0	0	0	0
5	0	3.29E-05	0	0	0	0	0	0
6	0	0	0	0.000723	0	0	0	0
7	0	0	0	0.000164	0	0	0	0
8	0	0	0	0.001381	0	0	0	0
9	0	3.29E-05	0	0.000131	0	0	0	0
10	0	0	0	0.0007988	0	9.86E-05	9.86E-05	0.000131
11	0	0	0	0.028272	0	0	0	3.29E-05
12	0	0	0	0.00069	0	0	0	0
13	0	0	0	3.29E-05	0	0	3.29E-05	0
14	0	0	0	3.29E-05	0	0	0	0
15	0	0	0	0.000263	0	0	0	0
16	0	0.000197	0	0	0	0	0	0
17	0	0.000329	0	0	0	0	0	0
18	0	0.000131	0	0	0	0	0	0
19	0	6.57E-05	0	0	0	0	0	0
20	0	3.29E-05	0	0	0	0	0	0
21	0	0.000164	0	0	0	0	0	0
22	0	0.000131	0	0	0	0	0	0
23	0	3.29E-05	0	0	0	0	0	0
24	0	0.000164	0	0	0	0	0	0
25	0	0.000131	0	0	0	0	0	0
26	0	3.29E-05	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0
29	0	3.29E-05	0	3.29E-05	0	0	0	0
30	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	3.29E-05	0
36	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0
40	0	3.29E-05	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0
42	0	0	0	3.29E-05	0	0	0	0
43	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0
45	0	3.29E-05	0	3.29E-05	0	0	3.29E-05	0
46	0	0	0	0	0	0	0	0
47	0	0.001118	0	0.000296	0	0	0	0
48	0	0	0	0	0	0	6.57E-05	0
49	0	0	0	9.86E-05	0	0	0	0
50	0	0	0	0	0	0	0	0
51	0	0	0	0.000329	0	0	0	0
52	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0
55	0	3.29E-05	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0
58								
59								
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0	0	0	6.57E-05	0	0	0	0	0
0	0.000197	0	3.29E-05	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0.000427	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0.00046	0	0	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0
0	0	0	6.57E-05	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0
0	0	0	0	0	0	0	6.57E-05	0
0	0	0	0	0	0	0	0.000164	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0.000559	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0.002959	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0
0	0	0	0.000427	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0.000263	0	0	0	0	0	0	0
0	6.57E-05	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0.000131	0	0	0	0	0	0	0
0	6.57E-05	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0.000164	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0
0	0	0	0.002038	0	0	3.29E-05	0	0
0	0	0	0.000526	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0
0	0	0	0.000394	0	0	0	0	0
0	0	0	9.86E-05	0	0	0	0	0
0	0.001118	0	0	0	0	0	0	0
0	0.000329	0	0	0	0	0	0	0

1								
2	0	0.000131	0	0.000131	0	0	0	0
3	0	0.000131	0	0.000164	0	0	0	0
4	0	0	0	0.000362	0	0	9.86E-05	0
5	0	0	0	3.29E-05	0	0	0	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	3.29E-05	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0
17	0	0.000197	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0
22	0	0	0	6.57E-05	0	0	0	0
23	0	0	0	9.86E-05	0	0	3.29E-05	0
24	0	0	3.29E-05	0	0	0	0	0
25	0	0	0	0.000164	0	0	0	0
26	0	0	0	0	0	0	0	0
27	0	0	0	0.001677	0	0	0	0
28	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	3.29E-05	0
33	0	0	0	0	0	0	0	0
34	0	0.000131	0	6.57E-05	0	0	0	0
35	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0
39	0	0	0	0.000164	0	0	0	0
40	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0
46	0	0	0	0.003222	0	0	0	0
47	0	0	0	0.001052	0	0	0	0
48	0	0	0	0	0	0	0	0
49	0	0	0	6.57E-05	0	0	0	0
50	0	0	0	0	0	0	0	0
51	0	0	0	0.001085	0	0	0	0
52	0	0	0	0.000888	0	0	0	0
53	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0
55	0	0	0	9.86E-05	0	0	0	0
56	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0
58								
59								
60								

1								
2	0	0	0	3.29E-05	0	0	0	0
3	0	0	0	0.000986	0	0	0	0
4	3.29E-05	0	0	9.86E-05	0	0	0	0
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	3.29E-05	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0
14	0	0	0	6.57E-05	0	0	0	0
15	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0
21	0	0	0	6.57E-05	0	0	0	0
22	0	0.002893	0	0	0	0	0	0
23	0	0.000953	0	0	0	0	0	0
24	0	0.000855	0	0	0	0	0	0
25	0	0.001709	0	3.29E-05	0	0	0.000329	0
26	0	3.29E-05	0	0	0	0	0	0
27	0	0.001545	0	0	0	0	6.57E-05	0
28	0	0	0	3.29E-05	0	0	0	0
29	0	0	0	0	0	0	0	0
30	0	0	0	0.001183	0	0	0	0
31	0	0	0	0.000362	0	0	0.000296	0
32	0	0	0	0.000131	0	0	0	0
33	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0
40	0	3.29E-05	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0
44	0	0	0	6.57E-05	0	0	0	0
45	0	3.29E-05	0	0	0	0	0	0
46	0	0	0	6.57E-05	0	0	0	0
47	0	0	0	0	0	0	0	0
48	0	6.57E-05	0	0	0	0	0	0
49	0	3.29E-05	0	0.002498	0	0	0	0
50	0	6.57E-05	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0
52	0	3.29E-05	0	0.000394	0	0	0.001677	0
53	0	0	0	0.000493	0	0	0	0
54	0	0	0	0.002531	0	0	0	0
55	0	0	0	3.29E-05	0	0	0	0

1								
2	0	0.000131	0	0	0	0	0	0
3	0	6.57E-05	0	0	0	0	0	0
4	0	0	0	6.57E-05	0	0	0	0
5	0	0.000427	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0
14	0	0	0	3.29E-05	0	0	0	0
15	0	0	0	0	0	0	0	0
16	0	0.000164	0	0	0	0	0	0
17	0	0.000723	0	0	0	0	0	0
18	0	3.29E-05	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0
21	0	0.000164	0	0.021072	0	0	0	0
22	0	9.86E-05	0	3.29E-05	0	0	0	0
23	0	0.000131	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0
27	0	0.00023	0	0.000164	0	0	0	0
28	0	3.29E-05	0	3.29E-05	0	0	0	0
29	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0
31	0	0.000427	0	0	0	0	0	0
32	0	6.57E-05	0	0	0	0	0	0
33	0	0.000131	0	0	0	0	0	0
34	0	6.57E-05	0	0	0	0	0	0
35	0	3.29E-05	0	0	0	0	0	0
36	0	3.29E-05	0	0	0	0	0	0
37	0	3.29E-05	0	3.29E-05	0	0	0	0
38	0	0	0	0	0	0	0	0
39	0	0	0	0.000131	0	0	0	3.29E-05
40	0	0	0	6.57E-05	0	0	0	0
41	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	3.29E-05	0
45	0	0	0	6.57E-05	0	0	0	0
46	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0
50	0	0	0	0.001019	0	0	0	0.000526
51	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0
56	0	0.000263	0	6.57E-05	0	0	0	0
57	0	3.29E-05	0	0	0	0	0	0
58								
59								
60								

1								
2	0	0	0	0	0	0	0	0
3	0	0	0	0.002827	0	0	3.29E-05	0.002959
4	0	0	0	0	0	0	0	0
5	0	0	0	0.000131	0	0	0	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0.000953	0	0	0	0
11	0	0	0	0.000296	0	0	0	0
12	0	0	0	0.004241	0	0	0	3.29E-05
13	0	0	0	0.000164	0	0	0	0
14	0	0.000131	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0
16	0	0	0	0.000164	0	0	0	0
17	0	0	0	0.000164	0	0	0	0
18	0	0	0	3.29E-05	0	0	0	0
19	0	0	0	0	0	0	0	0
20	0	0	0	0.000493	0	0	0	0
21	0	0	0	3.29E-05	0	0	0	0
22	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0
30	0	3.29E-05	0	0	0	0	0	0
31	0	0.000394	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0
35	0	6.57E-05	0	0	0	0	0	0
36	0	6.57E-05	0	0	0	0	0	0
37	0	0.000329	0	3.29E-05	0	0	0	0
38	0	0.000559	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0
40	0	0.003518	0	0	0	0	0	0
41	0	0.000164	0	0	0	0	3.29E-05	0
42	0	0	0	0	0	0	0	0
43	0	3.29E-05	0	0	0	0	0	0
44	0	0	0	0.002235	0	0	0	6.57E-05
45	0	0	0	0.000855	0	0	0	3.29E-05
46	0	0	0	0.000855	0	0	0	0
47	0	0	0	3.29E-05	0	0	0	0
48	0	6.57E-05	0	0.000197	0	0	0	0
49	0	0.000362	0	0.000263	0	0	0	0
50	0	6.57E-05	0	0	0	0	0	0
51	0	0	0	0.002005	0	0	0	0
52	0	0	0	0.000394	0	0	0	0
53	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0
58								
59								
60								

1								
2	0	0	0	0	0	0	0	0
3	0	0	0	6.57E-05	0	0	0	0
4	0	0	0	0.000263	0	0	3.29E-05	0
5	0	3.29E-05	0	0	0	0	0	0
6	0	0	0	0.000131	0	0	0	0
7	0	0.000592	0	6.57E-05	0	0	0	0
8	0	0.000197	0	3.29E-05	0	0	0	0
9	0	9.86E-05	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0	3.29E-05	0	0.000362	0	0	0	0
14	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0
18	0	3.29E-05	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0
23	0	6.57E-05	0	0	0	0	0	0
24	0	3.29E-05	0	0	0	0	0	0
25	0	0	0	3.29E-05	0	0	0	0
26	0	3.29E-05	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0
32	0	0	0	0.000263	0	0	0	0
33	0	0	0	0.000362	0	0	0	0
34	0	0	0	0	0	0	0	0
35	0	0	0	0.00355	0	0	0	6.57E-05
36	0	0	0	0.014498	0	0	0	0.000362
37	0	0	0	0	0	0	0	0
38	0	0	0	0.001512	0	0	0	9.86E-05
39	0	0	0	0.000197	0	0	0	3.29E-05
40	0	0	0	0.000427	0	0	0	0
41	0	0	0	0	0	0	3.29E-05	6.57E-05
42	0	0	0	0	0	0	0	0
43	0	0	0	3.29E-05	0	0	0	3.29E-05
44	0	0	0	0.003452	0	0	0	3.29E-05
45	0	0	0	9.86E-05	0	0	0	0
46	0	0	0	0	0	0	0	0
47	0	0.000131	0	0.000197	0	0	0	0
48	0	0.001052	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0

0	0	0	0.002038	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	6.57E-05	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0.000131	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	6.57E-05	0	0	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0
0	3.29E-05	0	0	0	0	0	0	0
0	0.000197	0	0	0	0	0	0	0
0	3.29E-05	0	0	0	0	0	3.29E-05	0
0	0	0	0	0	0	0	0	0

1									
2									
3									
4	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
5	0	0	0	0	0	0	3.29E-05	0	0
6	0	0	0	0	9.86E-05	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	3.29E-05	0	0
10	0	0	0	0	0.004438	0	3.29E-05	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	3.29E-05	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	6.57E-05	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	9.86E-05	0	0	0	0
21	0	0	0	0	0.000592	0	0	0	0
22	0	0	0	0	0	0	3.29E-05	0	0
23	0	0	0	0	3.29E-05	0	0.000164	0	0
24	0	0	0.000263	0	0.144679	0	0	0	0
25	0	0	3.29E-05	0	3.29E-05	0	0	0	0
26	0	0	3.29E-05	0	0.001151	0	3.29E-05	0	0
27	0	0	0	0	3.29E-05	0	6.57E-05	0	0
28	0	0	0	0	0.000296	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0.000164	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	6.57E-05	0	0	0	0
38	0	0	0	0	6.57E-05	0	0	0	0
39	0	0	0	0	0.000164	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0.001282	0	0	0
43	0	0	0	0	0	9.86E-05	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	3.29E-05	0	0	0
48	0	0	0	0	3.29E-05	0	9.86E-05	0	0
49	0	0	0	0	0.000427	0	0.010848	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	3.29E-05	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0.000362	0	0	0
54	0	0	0	0	0.00092	0	0.00023	0	0
55	0	0	0	0	0	0.000296	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	3.29E-05	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	3.29E-05	0	0	0	0
9	0	0	0	0	0.000164	0	3.29E-05	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	9.86E-05	0	0
12	0	0	0	0	0.00023	0	0	0	0
13	0	0	0	0	0.00046	0	0	0	0
14	0	0	0	0	3.29E-05	0	0	0	0
15	0	0	0	0	0	0	0.00046	0	0
16	0	0	0	0	0	0	3.29E-05	0	0
17	0	0	0	0	0	0	6.57E-05	0	0
18	0	0	0	0	0.002334	0	0.007199	0.000855	0
19	0	0	0	0	0	0	6.57E-05	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	3.29E-05	0	0	0	0
24	0	0	0	0	0	0	6.57E-05	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0.000526	0	0.490746	0	6.57E-05	0	0
30	0	0	0	0	0.000197	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0.000394	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0.000855	0	0.010421	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0.000164	0	0	0	0
40	0	0	0	0	0.00023	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	6.57E-05	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0.001611	0	0.034354	0	0
45	0	0	0	0	0.003057	0	0	0	0
46	0	0	0	0	0.01006	0	0.01052	0	0
47	0	0	3.29E-05	0	0.001611	0	0.035208	0	0
48	0	0	0	0	0.001611	0	0.035208	0	0
49	0	0	0	0	3.29E-05	0	6.57E-05	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0.000131	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	3.29E-05	0	6.57E-05	0	0.001414	0	0
54	0	0	0	0	6.57E-05	0	0	0	0
55	0	0	0	0	0.001216	0	0.015878	3.29E-05	0
56	0	0	0	0	6.57E-05	0	3.29E-05	0	0
57	0	0	0	0	6.57E-05	0	3.29E-05	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	9.86E-05	0	0	0	0
4	0	0	0	0	0.000131	0	0	0	0
5	0	0	0	0	6.57E-05	0	6.57E-05	0	0
6	0	0	0	0	3.29E-05	0	0	0	0
7	0	0	0	0	0	0	3.29E-05	0	0
8	0	0	0	0	0	0	3.29E-05	0	0
9	0	0	0	0	0	0	3.29E-05	0	0
10	0	0	0	0	3.29E-05	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	3.29E-05	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	7.02E-05	0	0	0	0
17	0	0	0	0	0.000394	0	3.29E-05	3.29E-05	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	6.57E-05	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0.000953	0	0	0	0
22	0	0	0	0	3.29E-05	0	0.517177	0	0
23	0	0	0	0	0	0	0.939281	0	0
24	0	0	0	3.29E-05	0	0	0.867944	0	0
25	0	0	0	0	0.000164	0	0.000263	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	6.57E-05	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	3.29E-05	0	0.000559	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	3.29E-05	0	0	0	0
45	0	0	0	0	0	0	3.29E-05	0	0
46	0	0	0	0	0	0	3.29E-05	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0.000131	0	0
50	0	0	0	0	0.000164	0	0	0	0
51	0	0	0	0	3.29E-05	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0.000263	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	3.29E-05
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	3.29E-05	0	0
9	0	0	0	0	0	0	3.29E-05	0	0
10	0	0	0	0	3.29E-05	0	6.57E-05	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	9.86E-05	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0.000131	0	0	0	0
20	0	0	0	0	0	0	0.000263	0	0
21	0	0	0	0	0	0	0	0	3.29E-05
22	0	0	0	0	0	0	0.000197	0	0.000197
23	0	0	0	0	0	0	0	0	3.29E-05
24	0	0	0	0	0	0	0.000362	0	0
25	0	0	0	0	0.002071	0	6.57E-05	0	0
26	0	0	0	0	0	0	6.57E-05	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	3.29E-05	0	6.57E-05	0	0
30	0	0	0	0	3.29E-05	0	0	0	0
31	0	0	0	0	0.000263	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	6.57E-05	0	0	0	0.000329	0	0	0.010158	6.57E-05
35	0	0	0	0	0.000197	0	0	0	0
36	0	0	0	0	0.000592	0	0.015188	0.000131	0
37	0	0	0	0	0.000164	0	0.008712	0	0
38	0	0	0	0	0	0	0	9.86E-05	0
39	0	0	3.29E-05	0	6.57E-05	0	0	0.001118	0
40	0	0	0	0	0	0	0.008416	3.29E-05	0
41	0	0	0	0	0.000657	0	0.010651	6.57E-05	0
42	0	0	0	0	0.000131	0	0	0.000855	3.29E-05
43	0	0	0	0	0.001545	0	0.001446	0	0
44	0	0	0	0	3.29E-05	0	3.29E-05	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	3.29E-05	0	0.00023	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	3.29E-05	0	0
54	0	0	0	0	9.86E-05	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	3.29E-05	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	3.29E-05	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	3.29E-05	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0.000131	0	3.29E-05	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0.000197	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	6.57E-05	0	0	0	0
22	0	0	0	0	0.000263	0	0	0	0
23	0	0	0	0	0.000362	0	0	0	0
24	0	0	0	0	9.86E-05	0	6.57E-05	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	3.29E-05	0	0
30	0	0	0	0	3.29E-05	0	0	0	0
31	0	0	0	0	0.000559	0	0.000986	0	0
32	0	0	0	0	0.002038	0	0.006476	0	0
33	0	0	0	0	9.86E-05	0	0.004405	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0.001216	0	0.001709	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	6.57E-05	0	0	0	0
39	0	0	0	0	0	0	3.29E-05	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	6.57E-05	0	0
44	0	0	0	0	0	0	3.29E-05	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	6.57E-05	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	3.29E-05	0	0.001709	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0.000329	0	0
56	0	0	0	0	3.29E-05	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
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1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0.004931	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0.00092	0	0	0	0
7	0	0	0	0	0.000197	0	0	0	0
8	0	0	0	0	0.001709	0	0.003813	0	0
9	0	0	0	0	0.000362	0	0	0	0
10	0	0	0	0	0.005983	0	3.29E-05	0.004405	0
11	3.29E-05	3.29E-05	0	0	0.000526	0	0.104178	0.000197	0
12	0	0	0	0	0	0	0	0.000362	0
13	0	0	0	0	0.000756	0	0.082777	0	0
14	0	0	0	0	0	0	3.29E-05	0.000296	0
15	0	0	0	0	0.000526	0	0.00069	0.000164	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	9.86E-05	0	0
29	0	0	0	0	6.57E-05	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	6.57E-05	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0.00023	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0.001414	0	0.00355	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0.000263	0	0
52	0	0	0	0	0.001118	0	0.007725	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0.000131	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0

1									
2	0	0	0	0	6.57E-05	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0.0024	0	0.000296	0	0
6	0	0	0	0	0	0	3.29E-05	0	0
7	0	0	0	0	3.29E-05	0	3.29E-05	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	6.57E-05	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	3.29E-05	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	6.57E-05	0	0	0	0
20	0	0	0	0	9.86E-05	0	0	0	0
21	0	0	0	0	0	0	3.29E-05	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	3.29E-05	0	0	0	0
29	0	0	0	0	0	0	3.29E-05	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	3.29E-05	0	0.000263	0	0
32	0	0	0	0	0.003024	0	0.000756	0	3.29E-05
33	0	0	0	0	0	0	0.120418	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	3.29E-05	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0.000592	0	6.57E-05	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0.000427	0	0
47	0	0	0	0	0.000329	0	0	0	0
48	0	0	0	0	0.015122	0	3.29E-05	0	0
49	0	0	0	0	0.001446	0	0	0	0
50	0	0	0	0	0	0	0.000263	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0.000197	0	0	0	0
53	0	0	0	0	0	0	0.000197	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0.000296	0	0.000493	0	0
3	0	0	0	0	9.86E-05	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0.001216	0	0
7	0	0	0	0	0	0	0.000131	0	0
8	0	0	0	0	3.29E-05	0	0	0	0
9	0	0	0	0	6.57E-05	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	3.29E-05	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	3.29E-05	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	3.29E-05	0	3.29E-05	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	9.86E-05	0	6.57E-05	0	0
23	0	0	0	0	0	0	3.29E-05	0	0
24	0	0	0	0	0.000164	0	0.000329	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	3.29E-05	0	0.000493	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	6.57E-05	0	0	0	0
33	0	0	0	0	6.57E-05	0	0	0	0
34	0	0	0	0	0	0	3.29E-05	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	3.29E-05	0	3.29E-05	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0.000855	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0.004898	0	0
46	0	0	0	0	0.001808	0	0.008021	0	0
47	0	0	0	0	0.000592	0	0.002268	0	0
48	0	0	0	0	0	0	3.29E-05	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0.000657	0	0
52	0	0	0	0	0.000822	0	0.003978	0	0
53	0	0	0	0	0.00092	0	0.002334	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	3.29E-05	0	0
56	0	0	0	0	0.000197	0	0	0	0
57	0	0	0	0					
58									
59									
60									

1									
2	0	0	0	0	0	0	0.000362	0	0
3	0	0	0	0	0.002104	0	0.003255	0	0
4	0	0	0	0	0.000197	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	3.29E-05	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	3.29E-05	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0.000329	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	6.57E-05	0	0
28	0	0	0	0	3.29E-05	0	3.29E-05	0	0
29	0	0	0	0	0	0	0	0	0
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44	0	0	0	0	0.000131	0	0	0	0
45	0	0	0	0	0	0	3.29E-05	0	0
46	0	0	0	0	0.000526	0	0	0	0
47	0	0	0	0	0	0	0.000394	0	0
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9	0	0	0	0	9.86E-05	0	0	0	0
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<https://mc.manuscriptcentral.com/thorax>

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44	0	0	0	0	0	0	0	0	0
45	3.29E-05	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	9.86E-05	0	0	6.57E-05	0.001841	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	3.29E-05	0	3.29E-05	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
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25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
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30	0	0	0	0	0	0	0	0	0
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32	0	0	0	0	0	0	0	0	0
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34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
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40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
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44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0.000657	0	0	0	0
47	0	0	0	3.29E-05	3.29E-05	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
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53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	6.57E-05	0	0	0	0	0	0	0
58									
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1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
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9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	3.29E-05	0	0	0	0
15	0	0	0	0	0	0	0	0	0
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17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
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22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
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27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	6.57E-05	0	0	9.86E-05	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
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43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
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49	0	0	0	0	0	0	0	0	0
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52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
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3									
4	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri
5	0	0	0	0	0	0	0	0.004438	0
6	0	0	0	3.29E-05	0	0	0	0.009336	0
7	0	0	0	0	0	0	0	0.003748	0
8	0	0	0	0	3.29E-05	0	0	0.003485	0
9	0	0	0	0	3.29E-05	0	0	0.002794	0
10	0	0	0	0	0	0	0	0.001446	0
11	0	0	0	0	0	3.29E-05	0	0.001742	0
12	0	0	0	0	0	0	0	0.002071	0
13	0	0	0	0	0.000296	0.000197	0	0.041849	0
14	0	0	0	0	0	0	0	0.002761	0
15	0	0	0	0	0	0	0	0.000723	0
16	0	0	0	0	0	0	0	0.000362	0
17	0	0	0	0	0	0	0	0.008416	0
18	0	0	0	0	0	0	0	0.001348	0
19	0	0	0	0	0	0	0	0.000657	0
20	0	0	0	0	0	0.000197	0	0.853545	0
21	0	0	0	0	0	0	0	0.000131	0
22	0	0	0	0	0	0.000164	0	0.814524	0
23	0	0	0	0	0	9.86E-05	0	0.931161	0
24	0	0	0	0	3.29E-05	0.00023	0	0.970578	0
25	0	0	0	0	0	3.29E-05	0	0.003123	0
26	0	0	0	0	0	3.29E-05	0	0.007167	0
27	0	0	0	0	0	0	0	0.003452	0
28	0	0	0	0	0	3.29E-05	0	0.010355	0
29	0	0	0	6.57E-05	0	0	0	0.029653	0
30	0	0	0	0	0	6.57E-05	0	0.687597	0
31	0	0	0	0	0	0	0	0.007068	0
32	0	0	0	0	0	0	0	0.00526	0
33	0	0	0	0	0	0	0	0.002893	0
34	0	0	0	0	6.57E-05	0	0	0.016338	0
35	0	0	0	0	3.29E-05	0	0	0.004044	0
36	0	0	0	9.86E-05	9.86E-05	0	0	0.029981	0
37	0	0	0	0	6.57E-05	0	0	0.005884	0
38	0	0	0	0	3.29E-05	6.57E-05	0	0.005753	0
39	0	0	0	0	6.57E-05	0	0	0.006443	0
40	0	0	0	0	0	0	0	0.000888	0
41	0	0	0	0	0	0.004142	0	0.017522	0
42	0	0	0	0	0.001578	0.00194	0	0.122654	0
43	0	0	0	3.29E-05	0	0.000131	0	0.003518	0
44	0	0	0	0	3.29E-05	0.001381	0	0.016766	0
45	0	0	0	0	0.009336	0.001841	0	0.135047	0
46	0	0	0	3.29E-05	0	0.000263	0	0.205036	0
47	0	0	0	0	0	0.001249	0	0.114271	0
48	0	0	0	6.57E-05	3.29E-05	0	0	0.020513	0
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2	0	0	0	9.86E-05	0	0	0	0.022617
3	0	0	0	3.29E-05	0	6.57E-05	0	0.009172
4	0	0	0	0	0	0.00069	0	0.002005
5	0	0	0	3.29E-05	0	0.001677	0	0.071731
6	0	0	0	3.29E-05	0	0	0	0.048292
7	0	0	0	0	0	0.000625	0	0.934153
8	0	0	0	0	0	0.000164	0	0.909662
9	0	0	0	0	0	3.29E-05	0	0.552845
10	0	0	0	6.57E-05	3.29E-05	0.000164	0	0.071008
11	0	0	0	0	0	0	0	0.012196
12	0	0	0	6.57E-05	0.001052	0	0	0.030244
13	0	0	0	0	0	0	0	0.002992
14	0	0	0	0	0	0	0	0.019757
15	0	0	0	0	0	0	0	0.009468
16	0	0	0	6.57E-05	3.29E-05	0.005128	0	0.143299
17	0	0	0	0	0.003485	9.86E-05	0	0.160919
18	0	0	0	0	0.001775	0.000394	0	0.828265
19	0	0	0	0	3.29E-05	0.007232	0	9.86E-05
20	0	0	0	0	0	0.001972	0	0.001118
21	0	0	0	3.29E-05	0	0.001183	0	0.028929
22	0	0	0	0	0	0	0	0.001479
23	0	0	0	0	0	0	0	0.001282
24	0	0	0	0	0	3.29E-05	0	0.003287
25	0	0	0	0	0	0	0	0.003156
26	0	0	0	0	6.57E-05	6.57E-05	0	0.431309
27	0	0	0	0	0	3.29E-05	0	0.001282
28	0	0	0	9.86E-05	0.003682	0	0	0.096486
29	0	0	0	0	3.29E-05	0.000164	0	0.903153
30	0	0	0	0	0.000427	0	0	0.065453
31	0	0	0	0	0.000427	0.000164	0	0.785266
32	0	0	0	9.86E-05	0.012394	0	0	0.026891
33	0	0	0	6.57E-05	0.077419	0	0	0.036425
34	0	0	0	6.57E-05	3.29E-05	0	0	0.023867
35	0	0	0	0	3.29E-05	0	0	0.016174
36	0	0	0	0	0	0.002597	0	0.018903
37	0	0	0	0	0	0.001052	0	0.003518
38	0	0	0	3.29E-05	0.00023	3.29E-05	0	0.179099
39	0	0	0	0	0	3.29E-05	0	0.020086
40	0	0	0	3.29E-05	0.001677	0.000756	0	0.124199
41	0	0	0	0.000329	0.001315	0	0	0.103389
42	0	0	0	3.29E-05	0	9.86E-05	0	0.550544
43	0	0	0	0.000131	0	0	0	0.046714
44	0	0	0	0.000131	3.29E-05	0.000164	0	0.028305
45	0	0	0	3.29E-05	0	0	0	0.014432
46	0	0	0	0	0	3.29E-05	0	0.000329
47	0	0	0	3.29E-05	0.004405	0.000888	0	0.113153
48	0	0	0	0	0	0	0	0.000131

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2	0	0	0	0	0	0	0	0.000131	0
3	0	0	0	0	0	0	0	0.000263	0
4	0	0	0	0	0	0	0	0.00023	0
5	0	0	0	0	0.000197	0.001085	0	0.090601	0
6	0	0	0	0	0	0	0	0.000164	0
7	0	0	0	3.29E-05	6.57E-05	6.57E-05	0	0.310891	0
8	0	0	0	0	0.004504	0	0	0.022322	0
9	0	0	0	0	0.003846	0	0	0.067326	0
10	0	0	0	0	0.076268	3.29E-05	0	0.090766	0
11	0	0	0	0	0.001249	0	0	0.16036	0
12	0	0	0	0	0.001348	0.00046	0	0.025477	0
13	0	0	0	0	0.062987	0.000131	0	0.45968	0
14	0	0	0	0	0	7.02E-05	0	0.318843	0
15	0	0	0	6.57E-05	0.000362	3.29E-05	0	0.028929	0
16	0	0	0	9.86E-05	0	0	0	0.661067	0
17	0	0	0	3.29E-05	0	0.000131	0	0.727835	0
18	0	0	0	6.57E-05	0	3.29E-05	0	0.598376	0
19	0	0	0	6.57E-05	3.29E-05	0	0	0.001841	0
20	0	0	0	0	0	0	0	0.000362	0
21	0	0	0	0	0	0	0	0.000427	0
22	0	0	0	0	0	0	0	0.005621	0
23	0	0	0	6.57E-05	0	0.001709	0	0.024294	0
24	0	0	0	0	0	0.000657	0	0.055229	0
25	0	0	0	3.29E-05	0	0.000493	0	0.021565	0
26	0	0	0	0	0	0.000526	0	0.060752	0
27	0	0	0	3.29E-05	0	0.001644	0	0.026464	0
28	0	0	0	0	0	6.57E-05	0	0.740721	0
29	0	0	0	0	0	0.000131	0	0.092475	0
30	0	0	0	0	0	3.29E-05	0	0.960156	0
31	0	0	0	0	0	0.00023	0	0.662086	0
32	0	0	0	0	0	0.000131	0	0.756139	0
33	0	0	0	3.29E-05	3.29E-05	0.000526	0	0.03294	0
34	0	0	0	0	0	0	0	0.031756	0
35	0	0	0	0	0	0.00286	0	0.01384	0
36	0	0	0	0	0.013939	0.008449	0	0.020612	0
37	0	0	0	0	0.013544	0.001709	0	0.001972	0
38	0	0	0	3.29E-05	0	9.86E-05	0	0.010191	0
39	0	0	0	0	0	0.000822	0	0.767579	0
40	0	0	0	0	0	0.003715	0	0.125645	0
41	0	0	0	3.29E-05	0	0.000789	0	0.300371	0
42	0	3.29E-05	0	6.57E-05	0.022289	0.034058	0	0.037312	0
43	0	0	0	9.86E-05	0.032019	0.024163	0	0.035537	0
44	0	0	0	0	0.013183	0.00503	0	0.011342	0
45	0	0	0	0	0	0.000394	0	0.003715	0
46	0	0	0	0	3.29E-05	0.001052	0	0.019396	0
47	0	0	0	0	0	0.000362	0	0.006838	0
48	0	0	0	0	0	0.001775	0	0.014892	0
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2	0	0	0	0	0	0.001775	0	0.003485	0
3	0	0	0	0	0	0	0	0.011703	0
4	0	0	0	3.29E-05	0	3.29E-05	0	0.015418	0
5	0	0	0	3.29E-05	0	0	0	0.006772	0
6	0	0	0	0	0	0.000164	0	0.001348	0
7	0	0	0	0	0	9.86E-05	0	0.434104	0
8	0	0	0	0	0	0.000131	0	0.425491	0
9	0	0	0	0	0	0	0	0.005687	0
10	0	0	0	0	0	0	0	0.004011	0
11	0	0	0	0	0	0	0	0.017292	0
12	0	0	0	0	0	0	0	0.001183	0
13	0	0	0	0	0.00023	0	0	0.007561	0
14	0	0	0	0	0	0	0	0.006739	0
15	0	0	0	0	0	0	0	0.00286	0
16	0	0	0	0	0	0	0	0.007627	0
17	0	0	0	0	0	0	0	0.007002	0
18	0	0	0	0	0	3.29E-05	0	0.004241	0
19	0	0	0	0	0	0	0	0.002071	0
20	0	0	0	0	0	0	0	0.003616	0
21	0	0	0	0	6.57E-05	3.29E-05	0	0.021598	0
22	0	0	0	0	0	3.29E-05	0	0.013709	0
23	0	0	0	0	0	0	0	0.009599	0
24	0	0	0	0	0	0.009139	0	0.000756	0
25	0	0	0	0	3.29E-05	3.29E-05	0	0.506986	0
26	0	0	0	0	0	6.57E-05	0	0.366942	0
27	0	0	0	0	0	0.00069	0	0.011933	0
28	0	0	0	0	0	0	0	0.000986	0
29	0	0	0	0	0	3.29E-05	0	0.000953	0
30	0	0	0	3.29E-05	0	0.001446	0	0.018673	0
31	0	0	0	6.57E-05	0.001183	0.000723	0	0.194385	0
32	0	0	0	0	0	0.000657	0	0.099444	0
33	0	0	0	3.29E-05	0	0.001282	0	0.0239	0
34	0	0	0	0	0	0.002334	0	0.009172	0
35	0	0	0	3.29E-05	0	0.00023	0	0.108912	0
36	0	0	0	0	0.000493	6.57E-05	0	0.130774	0
37	0	0	0	0	3.29E-05	0.008383	0	0.028338	0
38	0	0	0	9.86E-05	0.000296	0.000394	0	0.042999	0
39	0	0	0	3.29E-05	0.002104	0.007364	0	0.023078	0
40	0	0	0	0	0	0.001151	0	0.002367	0
41	0	0	0	0	0	0	0	0.011013	0
42	0	0	0	6.57E-05	6.57E-05	6.57E-05	0	0.022552	0
43	0	0	0	0	0	0.00023	0	0.084947	0
44	0	0	0	0	0	0	0	0.001414	0
45	0	0	0	0	0	9.86E-05	0	0.159736	0
46	0	0	0	0	0	0	0	0.021138	0
47	0	0	0	0	0	0	0	0.005556	0
48	0	0	0	0	0	3.29E-05	0	0.927414	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
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2	0	0	0	0	0	6.57E-05	0	0.955488	0
3	0	0	0	0	0	0.000559	3.29E-05	0.924455	0
4	0	0	0	0	0	0	0	0.238634	0
5	0	0	0	0	0	6.57E-05	0	0.979585	0
6	0	0	0	0	0	0	0	0.169664	0
7	0	0	0	0	0	0	0	0.169664	0
8	0	0	0	0	6.57E-05	0.000493	0	0.000427	0
9	0	0	0	0	0.000296	0.000131	0	0.001052	0
10	0	0	0	0	9.86E-05	3.29E-05	0	0.006476	0
11	0	0	0	0	0	0.002104	0	0.000723	0
12	0	0	0	0	0	0.002498	0	0.013215	0
13	0	0	0	0	0	0.000526	0	0.052993	0
14	0	0	0	0	0	0.000526	0	0.052993	0
15	0	0	0	0.000131	0.002203	0.007364	0	0.288175	0
16	0	0	0	0	0.000592	0.001578	0	0.757684	0
17	0	0	0	3.29E-05	0.007002	0.002959	0	0.002761	0
18	0	0	0	3.29E-05	0.006016	0.005424	0	0.008646	0
19	0	0	0	3.29E-05	0	0.006739	0	0.003255	0
20	0	0	0	3.29E-05	0	0.006739	0	0.003255	0
21	0	0	0	0.000164	0.002137	0	0	0.169302	0
22	0	0	0	3.29E-05	0.000592	0.000131	0	0.416187	0
23	0	0	0	0.000131	3.29E-05	3.29E-05	0	0.043854	0
24	0	0	0	0.000131	3.29E-05	3.29E-05	0	0.043854	0
25	0	0	0	0.000197	0	0	0	0.044249	0
26	0	0	0	0	0	0	0	0.030836	0
27	0	0	0	3.29E-05	0	9.86E-05	0	0.092541	0
28	0	0	0	0	0	0.000164	0	0.654985	0
29	0	0	0	0	0	0	0	0.775667	0
30	0	0	0	0	0	0	0	0.775667	0
31	0	0	0	0	0	0.000164	0	0.002104	0
32	0	0	0	6.57E-05	9.86E-05	0.00194	0	0.020941	0
33	0	0	0	0	0	6.57E-05	0	0.126566	0
34	0	0	0	0	0.00023	0.000657	0	0.165324	0
35	0	0	0	0	0.00023	0.000657	0	0.165324	0
36	0	0	0	3.29E-05	0	0.001446	0	0.015747	0
37	0	0	0	3.29E-05	0	0.000296	0	0.003583	0
38	0	0	0	0	3.29E-05	0.000493	0	0.133009	0
39	0	0	0	0	0	0	0	0.000657	0
40	0	0	0	0	0	0	0	0.002071	0
41	0	0	0	0	0	0	0	0.002071	0
42	0	0	0	0	0.025477	3.29E-05	0	0.003485	0
43	0	0	0	0.000131	0	0.000131	0	0.023341	0
44	0	0	0	6.57E-05	0	0.000197	0	0.517144	0
45	0	0	0	6.57E-05	3.29E-05	3.29E-05	0	0.009534	0
46	0	0	0	9.86E-05	6.57E-05	0	0	0.045531	0
47	0	0	0	9.86E-05	6.57E-05	0	0	0.045531	0
48	0	0	0	6.57E-05	0.000296	0.000427	0	0.371971	0
49	0	0	0	6.57E-05	0.004537	0.001282	0	0.040994	0
50	0	0	0	3.29E-05	0.001348	0.003156	0	0.011605	0
51	0	0	0	0	6.57E-05	0.001348	0	0.008777	0
52	0	0	0	0	9.86E-05	0.007528	0	0.018936	0
53	0	0	0	0	0.003189	0.00812	0	0.023932	0
54	0	0	0	0	0.003189	0.00812	0	0.023932	0
55	0	0	0	0	0.001414	0.003353	0	0.025445	0
56	0	0	0	9.86E-05	0.000427	0.004307	0	0.045991	0
57	0	0	0	0	0	0.003879	0	0.018673	0
58	0	0	0	0	0	0.003879	0	0.018673	0
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2	0	0	0	9.86E-05	0	0.008251	0	0.073803
3	0	0	0	0	0.000822	0.000657	0	0.121536
4	0	0	0	9.86E-05	0.000329	0.000657	0	0.062461
5	0	0	0	0	0	9.86E-05	0	0.785233
6	0	0	0	0	0	0	0	0.021237
7	0	0	0	0	0	0	0	0.003353
8	0	0	0	0	0.007857	0.001446	0	0.09734
9	0	0	0	0	0	0	0	0.000789
10	0	0	0	0	0	0	0	0.003781
11	0	0	0	0	0.002597	3.29E-05	0	0.08784
12	0	0	0	0	0	0	0	0.009008
13	0	0	0	0	0.000592	0	0	0.081199
14	0	0	0	0	0	0	0	0.00263
15	0	0	0	0	0	0	0	0.039613
16	0	0	0	6.57E-05	0	0	0	0.021993
17	0	0	0	6.57E-05	3.29E-05	0.000953	0	0.020251
18	0	0	0	9.86E-05	0	0.000329	0	0.017259
19	0	0	0	3.29E-05	3.29E-05	0.000131	0	0.010388
20	0	0	0	9.86E-05	0	0.000493	0	0.02676
21	0	0	0	0.000131	0	0.000164	0	0.01979
22	0	0	0	0.00023	6.57E-05	0.000164	0	0.041586
23	0	0	0	0	6.57E-05	0.000197	0	0.015615
24	0	0	0	3.29E-05	0	0	0	0.008054
25	0	0	0	3.29E-05	0	0	0	0.012459
26	0	0	0	0	0	9.86E-05	0	0.912292
27	0	0	0	0	0	0.000131	0	0.94842
28	0	0	0	0	0	0.000164	0	0.97301
29	0	0	0	0	0	3.29E-05	0	0.92028
30	0	0	0	0	0	3.29E-05	0	0.442848
31	0	0	0	0	0	9.86E-05	0	0.968375
32	0	0	0	0	0	0	0	0.000164
33	0	0	0	0	0	0	0	0.000526
34	0	0	0	0	0	0	0	0.033893
35	0	0	0	0	0	0	0	0.063283
36	0	0	0	0.000131	0.152142	0.001183	0	0.028864
37	0	0	0	3.29E-05	0.001907	0.00046	0	0.025083
38	0	0	0	9.86E-05	0	6.57E-05	0	0.028042
39	0	0	0	6.57E-05	0	0.000394	0	0.009238
40	0	0	0	0	0.002038	0.003287	0	0.162103
41	0	0	0	6.57E-05	3.29E-05	3.29E-05	0	0.033597
42	0	0	0	3.29E-05	0	3.29E-05	0	0.034288
43	0	0	0	0	0	0.000888	0	0.01052
44	0	0	0	0	9.86E-05	0.001315	0	0.130543
45	0	0	0	0	0	0.003057	0	0.005128
46	0	0	0	0	0	6.57E-05	0	0.773168
47	0	0	0	0	0	0.001512	0	0.007331
48	0	0	0	0	0	0.001348	0	0.00835
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2	0	0	0	0	0.000329	0.022683	0	0.080246	0
3	0	0	0	3.29E-05	0.000296	0.003649	0	0.234327	0
4	0	0	0	0	0.00069	0.001085	0	0.454025	0
5	0	0	0	0	0	0.001479	0	0.17923	0
6	0	0	0	0	0.003419	3.29E-05	0	0.004997	0
7	0	0	0	0	0.000164	0	0	0.027121	0
8	0	0	0	0	0	0.001907	0	0.005391	0
9	0	0	0	0	0	0	0	0.000164	0
10	0	0	0	0	0	0	0	0.000526	0
11	0	0	0	0	0	0	0	0.0006312	0
12	0	0	0	0	0	6.57E-05	0	0.001151	0
13	0	0	0	0	0	0.000657	0	0.000164	0
14	0	0	0	0	0	0.000296	0	0.000164	0
15	0	0	0	0	0	0.00023	0	0.003781	0
16	0	0	0	0	0	0	0	0.000164	0
17	0	0	0	0	0	6.57E-05	0	0.767448	0
18	0	0	0	0	6.57E-05	9.86E-05	0	0.475164	0
19	0	0	0	0	0	3.29E-05	0	0.177422	0
20	0	0	0	0	0	0.000164	0	0.759953	0
21	0	0	0	0	6.57E-05	0.000197	0	0.757093	0
22	0	0	0	0	0	6.57E-05	0	0.460009	0
23	0	0	0	0	6.57E-05	3.29E-05	0	0.598409	0
24	0	0	0	0	0	3.29E-05	0	0.449423	0
25	0	0	0	0	0	3.29E-05	0	0.153424	0
26	0	0	0	0	0	6.57E-05	0	0.844439	0
27	0	0	0	6.57E-05	0	0.000164	0	0.987935	0
28	0	0	0	0	0	3.29E-05	0	0.907854	0
29	0	0	0	3.29E-05	3.29E-05	9.86E-05	0	0.962425	0
30	0	0	0	0	0	0	0	0.768763	0
31	0	0	0	0	0	0.00069	0	0.260232	0
32	0	0	0	0	0	3.29E-05	0	0.468391	0
33	0	0	0	0	0	0	0	0.312338	0
34	0	0	0	0	0	3.29E-05	0	0.554193	0
35	0	0	0	3.29E-05	0	0	0	0.416319	0
36	0	0	0	0	0	3.29E-05	0	0.424636	0
37	0	0	0	0	0	0.000197	0	0.338473	0
38	0	0	0	0	3.29E-05	0	0	0.315165	0
39	0	0	0	3.29E-05	0.000164	0	0	0.020974	0
40	0	0	0	0	0	0	0	0.001348	0
41	0	0	0	0	0.000197	0	0	0.018212	0
42	0	0	0	0	0	0	0	0.004898	0
43	0	0	0	0	0.036589	0.00526	0	0.014136	0
44	0	0	0	6.57E-05	3.29E-05	0.000164	0	0.007364	0
45	0	0	0	0	0	3.29E-05	0	0.025872	0
46	0	0	0	0.000131	9.86E-05	0	0	0.040698	0
47	0	0	0	3.29E-05	0	0	0	0.009698	0
48	0	0	0	0	0.003057	0.001183	0	0.12341	0
49	0	0	0	0	0	6.57E-05	0	0.001644	0
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2	0	0	0	0	9.86E-05	0.000493	0	0.023176	0
3	0	0	0	0	0	0	0	0.0024	0
4	0	0	0	0	0	6.57E-05	0	0.00046	0
5	0	0	0	6.57E-05	0	3.29E-05	0	0.032414	0
6	0	0	0	0	0	0.000164	0	0.021861	0
7	0	0	0	0.000197	6.57E-05	0.004504	0	0.073507	0
8	0	0	0	3.29E-05	0	0.000329	0	0.016338	0
9	0	0	0	6.57E-05	0	3.29E-05	0	0.016404	0
10	0	0	0	0.000164	6.57E-05	3.29E-05	0	0.015911	0
11	0	0	0	0	0	9.86E-05	0	0.012525	0
12	0	0	0	3.29E-05	0	0.001677	0	0.013807	0
13	0	0	0	0	0	6.57E-05	0	0.001808	0
14	0	0	0	0	0	0.000263	0	0.023111	0
15	0	0	0	0.000164	3.29E-05	0.056445	0	0.053355	0
16	0	0	0	9.86E-05	0	0	0	0.031493	0
17	0	0	0	0	0	0.000164	0	0.80476	0
18	0	0	0	0	0	0	0	0.001775	0
19	0	0	0	0	0	3.29E-05	0	0.003649	0
20	0	0	0	0	0	6.57E-05	0	0.002531	0
21	0	0	0	0	0	0	0	0.009961	0
22	0	0	0	3.29E-05	6.57E-05	0	0	0.002794	0
23	0	0	0	6.57E-05	0	0	0	0.012328	0
24	0	0	0	0	3.29E-05	3.29E-05	0	0.016273	0
25	0	0	0	0	0	9.86E-05	0	0.00263	0
26	0	0	0	0	3.29E-05	0.000789	0	0.001775	0
27	0	0	0	0	0	0.001972	0	0.003353	0
28	0	0	0	0	0	0.000493	0	0.003682	0
29	0	0	0	3.29E-05	0	0.000164	0	0.00309	0
30	0	0	0	0	0	0	0	0.005194	0
31	0	0	0	3.29E-05	0	6.57E-05	0	0.00526	0
32	0	0	0	0	0	6.57E-05	0	0.000296	0
33	0	0	0	0	0.00023	0	0	0.005424	0
34	0	0	3.29E-05	0	0	0	0	0.000625	0
35	0	0	0	0	0	0	0	0.000986	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0.004997	0
38	0	0	0	3.29E-05	0.001052	9.86E-05	0	0.111181	0
39	0	0	0	3.29E-05	0.000592	3.29E-05	0	0.15944	0
40	0	0	0	0	0.000625	0.001183	0	0.134127	0
41	0	0	0	0	0.000131	3.29E-05	0	0.112298	0
42	0	0	0	0	0	0	0	0.012131	0
43	0	0	0	0	0	0	0	0.000625	0
44	0	0	0	0	0	3.29E-05	0	0.145172	0
45	0	0	0	3.29E-05	0.000427	0.001315	0	0.20668	0
46	0	0	0	0	0	3.29E-05	0	0.004701	0
47	0	0	0	0	0	0	0	0.036359	0
48	0	0	0	0	0	0.000131	0	0.385713	0
49	0	0	0	0	0	0	0		
50	0	0	0	0	0	0	0		
51	0	0	0	0	0	0	0		
52	0	0	0	0	0	0	0		
53	0	0	0	0	0	0	0		
54	0	0	0	0	0	0	0		
55	0	0	0	0	0	0	0		
56	0	0	0	0	0	0	0		
57	0	0	0	0	0	0	0		
58	0	0	0	0	0	0	0		
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2	0	0	0	0	0	0	0	0.005063	0
3	0	0	0	0	0.002137	3.29E-05	0	0.169203	0
4	0	0	0	0	0	0	0	0.002564	0
5	0	0	0	0	0	0.000164	0	0.893422	0
6	0	0	0	0	0	6.57E-05	0	0.77639	0
7	0	0	0	0	0	0.00023	0	0.994937	0
8	0	0	0	0	3.29E-05	0.000131	0	0.963378	0
9	0	0	0	0	0	0.000131	0	0.996614	0
10	0	0	0	0	0	0.000131	0	0.980933	0
11	0	0	0	0	0	6.57E-05	0	0.895855	0
12	0	0	0	0	0	9.86E-05	0	0.91936	0
13	0	0	0	0	0	9.86E-05	0	0.900983	0
14	0	0	0	0	0	9.86E-05	0	0.951839	0
15	0	0	0	0	0	0.000131	0	0.979487	0
16	0	0	0	0	0	0.000164	0	0.672935	0
17	0	0	0	0	0	0.000197	0	0.873632	0
18	0	0	0	0	0	0.000296	0	0.932707	0
19	0	0	0	3.29E-05	0	0	0	0.008613	0
20	0	0	0	0	0	0	0	0.020842	0
21	0	0	0	0	0	0	0	0.003682	0
22	0	0	0	0	0	0	0	0.002071	0
23	0	0	0	3.29E-05	9.86E-05	0.000164	0	0.410566	0
24	0	0	0	0	0	0	0	0.011309	0
25	0	0	0	6.57E-05	0	0	0	0.015845	0
26	0	0	0	0	0	0	0	0.00526	0
27	0	0	0	0	0.001972	0.002564	0	0.125777	0
28	0	0	0	0	0	0.000131	0	0.372136	0
29	0	0	0	0	0.006312	0.000394	0	0.008514	0
30	0	0	0	0	0.002235	0.00023	0	0.085046	0
31	0	0	0	0	0.001151	0.000427	0	0.288767	0
32	0	0	0	0	0.00023	0.002531	0	0.012952	0
33	0	0	0	0	0.00069	0.00046	0	0.78497	0
34	0	0	0	0	0	0.002761	0	0.007101	0
35	0	0	0	0	0	0.000296	0	0.00092	0
36	0	0	0	0	0	0.001183	0	0.288471	0
37	0	0	0	0	0	3.29E-05	0	0.006115	0
38	0	0	0	0	0.000329	0.002794	0	0.008482	0
39	0	0	0	0	0	9.86E-05	0	0.010158	0
40	0	0	0	0	3.29E-05	9.86E-05	0	0.003682	0
41	0	0	0	6.57E-05	0	0.00023	0	0.011013	0
42	0	0	0	0.000164	0	0.000296	0	0.070417	0
43	0	0	0	0	3.29E-05	0	0	0.000953	0
44	0	0	0	0	3.29E-05	0.000131	0	0.014662	0
45	0	0	0	3.29E-05	0	0.00023	0	0.014563	0
46	0	0	0	0	0	0.000329	0	0.768631	0
47	0	0	0	0	0.000526	0.000197	0	0.28354	0
48	0	0	0	3.29E-05	0	0.00023	0	0.015024	0
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2	0	0	0	0	0	0.009106	0	0.13176	0
3	0	0	0	3.29E-05	0	0.002498	0	0.005293	0
4	0	0	0	0	0	0.000559	0	0.162694	0
5	0	0	0	6.57E-05	0	0.001019	0	0.050856	0
6	0	0	0	0	0	0.000625	0	0.007725	0
7	0	0	0	0	3.29E-05	0.002203	0	0.01624	0
8	0	0	0	0	0	0	0	0.002663	0
9	0	0	0	0	0	0	0	0.001479	0
10	0	0	0	0	0	0	0	0.000822	0
11	0	0	0	0	0	9.86E-05	0	0.000822	0
12	0	0	0	3.29E-05	3.29E-05	0.000362	0	0.006608	0
13	0	0	0	0	0	0.0048	0	0.001118	0
14	0	0	0	0	0	0	0	0.004274	0
15	0	0	0	0	0	0	0	0.004274	0
16	0	0	0	3.29E-05	0	0.001315	0	0.013183	0
17	0	0	0	0	0	0.002827	0	0.008021	0
18	0	0	0	0	0	0.002367	0	0.00904	0
19	0	0	0	0	0	0.000164	0	0.001216	0
20	0	0	0	0	0	0.000164	0	0.001216	0
21	0	0	0	3.29E-05	0.000657	0.001742	0	0.125316	0
22	0	0	0	0	3.29E-05	0.001052	0	0.001611	0
23	0	0	0	0	3.29E-05	0.000394	0	0.004537	0
24	0	0	0	0	3.29E-05	0.000394	0	0.004537	0
25	0	0	0	6.57E-05	0.00023	3.29E-05	0	0.016075	0
26	0	0	0	0	0	0.000657	0	0.0143	0
27	0	0	0	0	0	0	0	0.006542	0
28	0	0	0	0	0	0	0	0.004865	0
29	0	0	0	0	0	0	0	0.004865	0
30	0	0	0	0	3.29E-05	6.57E-05	0	0.006904	0
31	0	0	0	9.86E-05	3.29E-05	0.002926	0	0.034945	0
32	0	0	0	0	3.29E-05	0.006838	0	0.17946	0
33	0	0	0	6.57E-05	0	0.010553	0	0.021007	0
34	0	0	0	0	0	0.004011	0	0.018804	0
35	0	0	0	0	0	0.004011	0	0.018804	0
36	0	0	0	0	9.86E-05	0.001315	0	0.00263	0
37	0	0	0	0	0.000592	0.001841	0	0.019199	0
38	0	0	0	0	0	0	0	0.003846	0
39	0	0	0	0	0	0	0	0.020513	0
40	0	0	0	0	0	0	0	0.020513	0
41	0	0	0	0	0	6.57E-05	0	0.000986	0
42	0	0	0	6.57E-05	0	0.000197	0	0.037509	0
43	0	0	0	3.29E-05	3.29E-05	0.004438	0	0.015385	0
44	0	0	0	0	0	0	0	9.86E-05	0
45	0	0	0	0	0	3.29E-05	0	0.004931	0
46	0	0	0	0	0	0	0	0.894375	0
47	0	0	0	0	0	0	0	0.894375	0
48	0	0	0	0	0	0.000164	0	0.968408	0
49	0	0	0	0	0.000559	0	0	0.011539	0
50	0	0	0	0	0.001118	6.57E-05	0	0.130412	0
51	0	0	0	0	0	6.57E-05	0	0.83438	0
52	0	0	0	0	0	0	0	0.83438	0
53	0	0	0	3.29E-05	0	0.000362	0	0.961767	0
54	0	0	0	0	3.29E-05	0.000197	0	0.926066	0
55	0	0	0	0	0	0.000197	0	0.988954	0
56	0	0	0	0	0.016601	0.000888	0	0.183043	0
57	0	0	0	0	0	0	0	0.001972	0
58	0	0	0	0	0	0	0	0.001972	0
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2	0	0	0	0	0	0	0	0.00023	0
3	0	0	0	3.29E-05	0	0	0	0.095763	0
4	0	0	0	0	0.000986	0.000625	0	0.003057	0
5	0	0	0	0	0	0	0	0.003353	0
6	0	0	0	0	0	0	0	0.000625	0
7	0	0	0	0	0	0	0	0.001512	0
8	0	0	0	0	0	0	0	0.001151	0
9	0	0	0	0	3.29E-05	0	0	0.031592	0
10	0	0	0	3.29E-05	0	0	0	0.000822	0
11	0	0	0	0	0	0	0	0.141425	0
12	0	0	0	0	0.004109	3.29E-05	0	0.001315	0
13	0	0	0	0	0	0	0	0.006246	0
14	0	0	0	0	0	0	0	0.026628	0
15	0	0	0	0	3.29E-05	3.29E-05	0	0.0406	0
16	0	0	0	6.57E-05	9.86E-05	0.000197	0	0.008777	0
17	0	0	0	0	3.29E-05	0	0	0.001972	0
18	0	0	0	0	0	3.29E-05	0	0.003353	0
19	0	0	0	0	0	0	0	0.000756	0
20	0	0	0	0	0	0	0	0.019264	0
21	0	0	0	0	0	0	0	0.001348	0
22	0	0	0	0	0	0	0	0.002071	0
23	0	0	0	0	0	3.29E-05	0	0.002597	0
24	0	0	0	0	0	0	0	0.000657	0
25	0	0	0	0	0	0	0	0.000131	0
26	0	0	0	0	0	0	0	0.581512	0
27	0	0	0	3.29E-05	0	9.86E-05	0	0.009731	0
28	0	0	0	0	0	0.000362	0	9.86E-05	0
29	0	0	0	0	0	0	0	0.055722	0
30	0	0	0	3.29E-05	0	0.008219	0	0.055722	0
31	6.57E-05	0	0	3.29E-05	0.000888	0.013084	0	0.014399	0
32	0	0	0	0.000164	3.29E-05	0.002959	0	0.037246	0
33	0	0	0	3.29E-05	0	0.001381	0	0.020119	0
34	0	0	0	3.29E-05	0	0.001381	0	0.028042	0
35	0	0	0	3.29E-05	0	9.86E-05	0	0.38213	0
36	0	0	0	3.29E-05	0	0.002005	0	0.01098	0
37	0	0	0	0	0	0.003123	0	0.042145	0
38	0	0	0	0	0.002301	0.000131	0	0.724909	0
39	0	0	0	0	0	0	0	0.035997	0
40	0	0	0	0	0.001874	3.29E-05	0	0.166015	0
41	0	0	0	0	0	0	0	0.012722	0
42	0	0	0	0	0	0	0	0.002433	0
43	0	0	0	0	0	3.29E-05	0	0.005095	0
44	0	0	0	0	0	0	0.002761	0.014892	0
45	0	0	0	0	0.001907	0.001512	0	0.198396	0
46	0	0	0	0	0.000131	0.001085	0	0.01098	0
47	0	0	0	0	0	0	0.000164	0.001677	0
48	0	0	0	0	0.001742	0.000789	0	0.002663	0
49	0	0	0	3.29E-05	0	0	0	0.016437	0
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2	0	0	0	0	0	9.86E-05	0	0.0024	0
3	0	0	0	0	0	0.001414	0	0.011309	0
4	0	0	0	3.29E-05	0	0.003583	0	0.017489	0
5	0	0	0	0	0.000131	0.000789	0	0.003123	0
6	0	0	0	0	0	0.005161	0	0.002137	0
7	0	0	0	0	0	0.008646	0	0.002005	0
8	0	0	0	0	0	0.002235	0	0.006673	0
9	0	0	0	0	0	0.001249	0	0.002498	0
10	0	0	0	0	0	0.000986	0	0.001118	0
11	0	0	0	0	0	0.001052	0	0.000953	0
12	0	0	0	0	0	0.002367	0.001709	0	0.033104
13	0	0	0	0	0.000427	0	0	0.000164	0
14	0	0	0	0	3.29E-05	0.00023	0	0.000559	0
15	0	0	0	0	0.000197	0.000263	0	0.859561	0
16	0	0	0	0	6.57E-05	6.57E-05	0	0.499195	0
17	0	0	0	0	0.000164	0.000131	0	0.699103	0
18	0	0	0	0	0	0.000164	0	0.945495	0
19	0	0	0	0	0	3.29E-05	0	0.226207	0
20	0	0	0	6.57E-05	6.57E-05	0.000263	0	0.291397	0
21	0	0	0	0	0.00046	0.000427	0	0.313291	0
22	0	0	0	0	0	3.29E-05	0	0.535258	0
23	0	0	0	3.29E-05	0.000131	6.57E-05	0	0.402775	0
24	0	0	0	0	0	6.57E-05	0	0.569249	0
25	0	0	0	0	3.29E-05	0	0	0.687564	0
26	0	0	0	0	0.004044	0	0	0.334331	0
27	0	0	0	0	0	9.86E-05	0	0.579112	0
28	0	0	0	3.29E-05	0	0.000164	0	0.706959	0
29	0	0	0	0	0	0.000131	0	0.982347	0
30	0	0	0	0	0	0.000197	0	0.945133	0
31	0	0	0	9.86E-05	0	6.57E-05	0	0.903449	0
32	0	0	0	0	0	0.000131	0	0.969558	0
33	0	0	0	0	0	0.000131	0	0.98422	0
34	0	0	0	0	0	0.000263	0	0.950656	0
35	0	0	0	0	0	9.86E-05	0	0.694533	0
36	0	0	0	0	3.29E-05	0.000164	0	0.993261	0
37	0	0	0	6.57E-05	0	0.002926	0	0.022354	0
38	0	0	0	0	0	0.00046	0	0.002433	0
39	0	0	0	9.86E-05	0	0.000855	0	0.013084	0
40	0	0	0	3.29E-05	0.025971	0.002367	0	0.008876	0
41	0	0	0	0	0	0.005063	0	0.009566	0
42	0	0	0	0	0	0	0	0.012295	0
43	0	0	0	0	0	3.29E-05	0	0.01006	0
44	0	0	0	0.000131	0	0.001085	0	0.027055	0
45	0	0	0	6.57E-05	0	0.00046	0	0.02265	0
46	0	0	0	0.000164	0.000427	0.003978	0	0.054637	0
47	0	0	0	0	0.000164	9.86E-05	0	0.579868	0
48	0	0	0	3.29E-05	0	0.000197	0	0.365298	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
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2	0	0	0	3.29E-05	0.001085	0	0	0.076268	0
3	0	0	0	6.57E-05	0	0	0	0.014498	0
4	0	0	0	0	0	0.000131	0	0.000592	0
5	0	0	0	0	0	0.021796	0	0.00069	0
6	0	0	0	0	0	0	0	0.000526	0
7	0	0	0	0	0	0.000131	0	0.202406	0
8	0	0	0	0	6.57E-05	3.29E-05	0	0.003715	0
9	0	0	0	6.57E-05	3.29E-05	6.57E-05	0	0.01453	0
10	0	0	0	0	0	0.000296	0	0.661264	0
11	0	0	0	0	3.29E-05	3.29E-05	0	0.097472	0
12	0	0	0	3.29E-05	0.000164	0.004833	0	0.04747	0
13	0	0	0	6.57E-05	0.012788	0.000657	0	0.092902	0
14	0	0	0	0	0.001545	0.000657	0	0.559321	0
15	0	0	0	6.57E-05	0.001183	0.000986	3.29E-05	0.297939	3.29E-05
16	0	0	0	0	0.021598	9.86E-05	0	0.289161	0
17	0	0	0	3.29E-05	0.013281	0.000723	0	0.285578	0
18	0	0	0	0	0.001775	0.000559	0	0.76873	0
19	0	0	0	0	0.001578	0.00069	0	0.592459	0
20	0	0	0	3.29E-05	0	0.000263	0	0.003879	0
21	0	0	0	0.000131	0.014728	0.000953	3.29E-05	0.086229	3.29E-05
22	0	0	0	3.29E-05	3.29E-05	0.000559	0	0.049344	0
23	0	0	0	0	0.005786	0.001512	0	0.072192	0
24	0	0	0	3.29E-05	3.29E-05	0.001118	0	0.005983	0
25									
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k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
0	0	0	9.86E-05	0	0	0	0	0
0	0	0	0	0	6.57E-05	0	0	3.29E-05
0	6.57E-05	0	0	0	3.29E-05	0	0	3.29E-05
0	3.29E-05	0	3.29E-05	0	6.57E-05	0	0	0
0	0	0	0.001183	0	0.000362	3.29E-05	0	0.000329
0	3.29E-05	0	3.29E-05	3.29E-05	0.000723	0	0	0
0	0	0	9.86E-05	0	0.000559	0	0	6.57E-05
0	0	0	0	0	0.711397	0	0	0
0	3.29E-05	0	0.000131	0	0.001677	0	0	0.001611
0	0	0	0	0	3.29E-05	0	0	0
0	3.29E-05	0	0	0	0.000263	0	0	0
0	0	9.86E-05	0	0	0.884973	0	0	0
0	0.000657	0	0	0	0.00858	0	0	0
0	0	6.57E-05	0.469082	6.57E-05	0.000723	0	6.57E-05	0.050429
0	3.29E-05	0	0	0	0.000296	0	0	0.000197
0	6.57E-05	0	0	0	0	0	0	3.29E-05
0	3.29E-05	0	0.040271	0	3.29E-05	0	0.000427	0.018048
0	0	0	0	0	9.86E-05	0	0	0
0	0.000164	0	0.000559	0	6.57E-05	0	0	0.002301
0	9.86E-05	0	0.000394	0	0.000131	0	0	0.000263
0	0.000197	0	3.29E-05	0	0.000953	0	0	0
0	0	0	3.29E-05	3.29E-05	9.86E-05	0	0	0
0	0	0	0	0	3.29E-05	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001019	0	0	0
0	9.86E-05	0	0	0	0.000131	0	0	0
0	0	0	0	0	0	0	0	3.29E-05
0	0	0	0	0	3.29E-05	0	0	9.86E-05
0	0	0	6.57E-05	0	0	0	0	3.29E-05
0	3.29E-05	0	3.29E-05	0	0.000263	0	0	0.002564
0	6.57E-05	0	3.29E-05	0	9.86E-05	0	0	3.29E-05
0	0.000197	0	3.29E-05	0	0.000329	0	0	0.000559
0	0	0	0	0	0.00023	0	0	0
0	3.29E-05	0	0	0	0	0	0	0
0	0	0	3.29E-05	0	9.86E-05	0	0	0
0	0	0	0	0	3.29E-05	0	0	0
0	0.000197	0	0.000131	0	0.000131	0	0	6.57E-05
0	0.006838	0	0.00046	0	0.054341	0	0	0.000888
0	0	0	0	0	0	0	0	0
0	0	3.29E-05	0	0	0.000394	0	0	6.57E-05
0	0.000131	0	0	0	3.29E-05	0	0	0
0	0	0	0	0	0.001709	0	0	9.86E-05
0	6.57E-05	0	0	0	0.000559	0	0	0.00023
0	6.57E-05	0	0	0	3.29E-05	0	0	0

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2	0	3.29E-05	0	0	0	0.000131	0	0
3	0	3.29E-05	0	0	0	0	0	0
4	0	0	0	6.57E-05	0	3.29E-05	0	0.000888
5	0	0	0	0	0	6.57E-05	0	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	6.57E-05	0	0	0	6.57E-05	0	0
9	0	9.86E-05	0	0	0	6.57E-05	0	6.57E-05
10	0	0	0	0	0	0	0	0
11	0	3.29E-05	0	0	0	3.29E-05	0	6.57E-05
12	0	0	0	0	0	0.000131	0	0
13	0	0	0	3.29E-05	0	0.002893	0	0
14	0	6.57E-05	0	0	0	9.86E-05	0	0
15	0	0	0	0	0	0.000362	0	3.29E-05
16	0	0	0	0.000394	0	3.29E-05	0	6.57E-05
17	0	3.29E-05	0	0	0	0	0	3.29E-05
18	0	0.001709	3.29E-05	0	0	0.078208	0	0.00023
19	0	0.000164	0	0	0	0.002367	0	3.29E-05
20	0	6.57E-05	0	0	0	6.57E-05	0	0
21	0	0	0	0	0	0	0	0.000756
22	0	0	0	0	0	0.000296	0	3.29E-05
23	0	6.57E-05	0	0.000296	0	0.000362	0	0
24	0	0	0	0	0	0	0	0
25	0	0	0	0.000131	0	0.000493	0	9.86E-05
26	0	0	0	0	0	0.000427	0	3.29E-05
27	0	0.000164	0	0	0	9.86E-05	0	0
28	0	0	3.29E-05	0	0	0.730366	0	3.29E-05
29	0	0	0	3.29E-05	0	6.57E-05	0	6.57E-05
30	0	0.00023	0	0	0	3.29E-05	0	0
31	0	0.001052	3.29E-05	3.29E-05	0	0.463625	0	0.00092
32	0	6.57E-05	0	0	0	0	0	0
33	0	0	0	0	0	6.57E-05	0	3.29E-05
34	0	0	0.000657	0.000164	0	0.000131	0	0.011079
35	0	0	0	0	0	0.000427	0	0
36	0	0	0	3.29E-05	0	3.29E-05	0	0
37	0	0	0	0	0	0.000625	0	0
38	0	3.29E-05	0	0	0	0	0	3.29E-05
39	0	0.002531	0	0	0	0.089648	0	0.0024
40	0	0.002301	0	3.29E-05	0	0.00595	0	3.29E-05
41	0	0.00332	0	0.001118	0	0.057628	0	0.000592
42	0	0.000723	0	0.001085	0	0.047799	0	0.003846
43	0	3.29E-05	0	0	0	0.000131	0	0
44	0	0	3.29E-05	0	0	0	0	0
45	0	3.29E-05	0	6.57E-05	0	0	0	0.004142
46	0	3.29E-05	0.000164	0.000164	0.000493	0.003287	0	0.009336
47	0	0	0	0	0.000822	9.86E-05	0	3.29E-05
48	0	0.002071	0	0	0	0.035537	0	0.001019
49	0	0	0	0	0	0	0	6.57E-05

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2	0	0	9.86E-05	0	0	6.57E-05	0	0	0.000888
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0.022289	0	0	0
5	0	3.29E-05	0	0	0	0.005589	0	0	0.000131
6	0	0	0	0	0	3.29E-05	0	0	6.57E-05
7	0	3.29E-05	0	0	0	0.000164	0	0	0
8	0	0	6.57E-05	0	0	0.798152	0	0	0.000164
9	0	0	3.29E-05	0	0	0.251619	0	0	0
10	0	0.00023	0	0	0	0.000427	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	3.29E-05	0.000131	0	0	0
14	0	3.29E-05	0	0	0	0	0	0	6.57E-05
15	0	7.02E-05	0	7.02E-05	0	0.001545	0	0	7.02E-05
16	0	6.57E-05	0	0	0	0.002926	0	0	0.000427
17	0	0	0	0	0	0.00023	0	0	0
18	0	6.57E-05	0	0	0	0.152668	0	0	0
19	0	6.57E-05	0	0	0	0.000592	0	0	0
20	0	0	0	0	0	0.000131	0	0	6.57E-05
21	0	0	0	0	0	3.29E-05	0	0	0
22	0	0	0	0	0	3.29E-05	0	0	3.29E-05
23	0	9.86E-05	0	0	0	0.00023	0	0	6.57E-05
24	0	0	0	0	0	0.000756	0	0	0
25	0	0	0	0	0	9.86E-05	0	0	3.29E-05
26	0	0	0	0	0	0.000164	0	0	0
27	0	3.29E-05	0	9.86E-05	0	0.000131	0	0	3.29E-05
28	0	0	0	0	0	0.000164	0	0	0
29	0	3.29E-05	0	0	0	0	0	0	0
30	0	0	0	0	0	0.000197	0	0	3.29E-05
31	0	3.29E-05	0	0	0	9.86E-05	0	0	0
32	0	0	0	0	0	0.000131	0	0	0
33	0	9.86E-05	0	0	0	0	0	0	0
34	0	3.29E-05	0	0	0	0.000131	0	0	0
35	0	9.86E-05	0	0	0	0	0	0	0
36	0	3.29E-05	0	0	0	0.000131	0	0	3.29E-05
37	0	3.29E-05	0	0	0	3.29E-05	0	0	0
38	0	0	0	0	0	9.86E-05	0	0	0
39	0	0.000723	0	0	0	0.004997	0	0	6.57E-05
40	0	0	0	0	0	0.000296	0	0	3.29E-05
41	0	0	0	0	0	3.29E-05	0	0	0
42	0	6.57E-05	0	0	3.29E-05	0	0	0	0
43	0	3.29E-05	0	0	0	0	0	0	0
44	0	3.29E-05	0	0	0	3.29E-05	0	0	0
45	0	0	0	0.001019	0	0.002038	0	0	0.000131
46	0	0.000197	0	0	0	0.000362	0	0	0
47	0	0	0.000131	0	0	0.810908	0	6.57E-05	3.29E-05
48	0	0	0	3.29E-05	0	0.000953	0	0	0
49	0	0	0	3.29E-05	0	0.00023	0	0	0
50	0	0	0	0	0	3.29E-05	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59									
60									

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2	0	0	0	6.57E-05	0	3.29E-05	0	0	0
3	0	0	0	3.29E-05	0	0	0	0	0.035241
4	0	3.29E-05	0	0	0	0	0	0	0.004405
5	0	0	0	0	0	9.86E-05	0	0	0.005753
6	0	0	0.000164	0	0	0.715277	0	0	0.000131
7	0	3.29E-05	0	3.29E-05	0	0.00023	0	0	0
8	0	0.000131	0	0	0	9.86E-05	0	0	0
9	0	0	0	0	0	0.544791	0	0	3.29E-05
10	0	0	0	3.29E-05	0	3.29E-05	0	0	9.86E-05
11	0	0	0	0	3.29E-05	3.29E-05	0	0	0
12	0	0	0	0	0	0	0	0	3.29E-05
13	0	0.001019	3.29E-05	6.57E-05	0	0.000164	0	0	0.000394
14	0	0	0	0	0	0.003419	0	0	0.000131
15	0	0	0	0.00046	0	3.29E-05	0	0	6.57E-05
16	0	0	0	0	0	0.000263	0	0	0.000526
17	0	6.57E-05	0	0.000131	0	0.000296	0	0	0.011835
18	0	0	0	0.000526	3.29E-05	0.000296	0	0	6.57E-05
19	0	6.57E-05	0	0.000855	3.29E-05	6.57E-05	0	0	0.000822
20	0	6.57E-05	0	0	0	0.000427	0	0	0
21	0	6.57E-05	0	0.000131	0	0.000394	0	0	3.29E-05
22	0	0.002729	0	0	0.000131	0.002564	0	0	6.57E-05
23	0	6.57E-05	0	6.57E-05	9.86E-05	6.57E-05	0	0	6.57E-05
24	0	0	0	0	0	0.000131	0	0	0
25	0	9.86E-05	0	0	0	0.00069	0	0	0
26	0	6.57E-05	0	0	0	0	0	0	0
27	0	0	0	0	0	0.000296	0	0	0
28	0	0	0	3.29E-05	0	0.000197	0	0	9.86E-05
29	0	3.29E-05	0	0	0	0.000625	0	0	3.29E-05
30	0	0.000362	0	0	0	0.000756	0	0	0.000164
31	0	0.071797	6.57E-05	0.000263	0	0.051284	0	0	0.004602
32	0	0.001512	3.29E-05	0	0	0.045498	0	0	3.29E-05
33	0	3.29E-05	0	0.000164	0	0.018837	0	0	3.29E-05
34	0	0	0	0	0	0.004044	0	0	0
35	0	0.002959	0	0	0	0.035438	0	0	0.001446
36	0	0.002104	0	0.000394	0	0.037838	0	0	0.000329
37	0	9.86E-05	0	3.29E-05	0	0.001972	0	0.000131	0.23173
38	0	9.86E-05	0	0.000296	0	0.054012	0	0	0.00069
39	0	3.29E-05	0	9.86E-05	6.57E-05	0	0	0	3.29E-05
40	0	0	0	0.000131	0	0.000164	0	0	0.000296
41	0	0	0	0	0	9.86E-05	0	0	0
42	0	9.86E-05	0	3.29E-05	0	0.00069	0	0	6.57E-05
43	0	3.29E-05	0	0	0	0.000263	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	9.86E-05	0	0	0	0.000131	0	0	0
46	0	6.57E-05	0	3.29E-05	0	0.000164	0	0	0
47	0	3.29E-05	3.29E-05	0	0	0.843453	0	0	0
48	0	3.29E-05	0	0	0	0.00023	0	0	0

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2	0	0	0	0	0	0	0	3.29E-05
3	0	0.057102	0	0	0	0.000131	0	0
4	0	9.86E-05	0	3.29E-05	0	0.001512	0	0
5	0	6.57E-05	0	0	0	6.57E-05	0	0
6	0	0.000131	9.86E-05	0	0	0.791216	0	0
7	0	3.29E-05	0	0.000131	0	0.000164	0	0
8	0	0	0	3.29E-05	0	0.276998	0	0
9	0	3.29E-05	0	0	0	0.000164	0	0
10	0	3.29E-05	0	3.29E-05	0	0.001841	0	0
11	0	3.29E-05	0	0	0	0.000263	0	0
12	0	3.29E-05	0	0	0	0.001545	0	0.000657
13	0	0	0	0	0	6.57E-05	0	0
14	0	0	0	0	0	0.000394	0	0
15	0	3.29E-05	0	0	0	6.57E-05	0	0.000131
16	0	0	0	0	0	0.000394	0	0
17	0	0	0	9.86E-05	0	0.000131	0	0.000493
18	0	0	0	9.86E-05	6.57E-05	6.57E-05	0	6.57E-05
19	0	3.29E-05	0	0	0	9.86E-05	0	0
20	0	6.57E-05	0	3.29E-05	0	0	0	0.000131
21	0	0	0	0.000822	0	9.86E-05	0	3.29E-05
22	0	0	0	0.000164	0	0	0	9.86E-05
23	0	0	0	0.000296	0.000164	0.000427	0	0.000197
24	0	3.29E-05	0	0	0	0	0	0
25	0	3.29E-05	0	0	0	0.000526	0	3.29E-05
26	0	0	0	0	0	0.369079	0	0
27	0	0.000164	0	0	0	0.004076	0	0.000131
28	0	0.004208	0	0.001282	0	0.058319	0	0.000756
29	0	0.003189	0	0	0.00023	0.063349	0	0.000625
30	0	0	0	3.29E-05	0	0.000164	0	3.29E-05
31	0	0	0	0	0	0.003353	0	6.57E-05
32	0	0.001019	3.29E-05	0.000427	0	0.094776	0	0.000362
33	0	0	0	0	0	3.29E-05	0	0
34	0	0	0	0	0	6.57E-05	0	0.000263
35	0	0	0	3.29E-05	0	0	0.000296	0.523193
36	0	0	0	0	0	6.57E-05	0	3.29E-05
37	0	0	0	0	0	3.29E-05	0	0
38	0	3.29E-05	0	0	0	6.57E-05	0	6.57E-05
39	0	0	0	0	0	0	0	0
40	0	0.000131	0	0	0	0.000131	0	0
41	0	0	0	0	0	3.29E-05	0	0
42	0	0	0	0	0	6.57E-05	0	3.29E-05
43	0	3.29E-05	0	0	0	6.57E-05	0	6.57E-05
44	0	0	0	0	0	0	0	0
45	0	0.000131	0	0	0	0.000131	0	0
46	0	0	0	0	0	3.29E-05	0	0
47	0	0	0	0	0	6.57E-05	0	3.29E-05
48	0	3.29E-05	0	0.000329	0.000427	0	0	0
49	0	3.29E-05	0	6.57E-05	0	0.000263	0	0
50	0	6.57E-05	0	0	0	0.000296	0	6.57E-05
51	0	0	0	0	0	6.57E-05	0	0
52	0	0	0	0.000493	0	0.008876	0	0.000296
53	0	3.29E-05	0	0.000427	3.29E-05	6.57E-05	0	3.29E-05
54	0	3.29E-05	0	0.000427	3.29E-05	6.57E-05	0	9.86E-05
55	0	3.29E-05	0	0.000427	3.29E-05	6.57E-05	0	9.86E-05
56	0	3.29E-05	0	0.000427	3.29E-05	6.57E-05	0	9.86E-05
57	0	3.29E-05	0	0.000427	3.29E-05	6.57E-05	0	9.86E-05
58	0	3.29E-05	0	0.000427	3.29E-05	6.57E-05	0	9.86E-05
59	0	3.29E-05	0	0.000427	3.29E-05	6.57E-05	0	9.86E-05
60	0	3.29E-05	0	0.000427	3.29E-05	6.57E-05	0	9.86E-05

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2	0	0	0	3.29E-05	0	0.000953	0	0
3	0	0.002268	0	0.000197	0	0.062461	0	0.000657
4	0	0	0	0.000164	3.29E-05	0.000197	0	0
5	0	3.29E-05	0	0	0	0	0	3.29E-05
6	0	0	0	9.86E-05	0	0.00503	0	0.04678
7	0	0	0	0	0	0.24008	0	3.29E-05
8	0	0.001578	0	6.57E-05	0	0.031559	0	0.035471
9	0	0	0	0	0	3.29E-05	0	9.86E-05
10	0	0	0	9.86E-05	0.00046	0.000131	0	3.29E-05
11	0	0.003682	0	3.29E-05	0	0.025839	0	0.024754
12	0	0	0	0	0	0.000427	0	3.29E-05
13	0	0.002005	0	0.000789	0	0.041027	0	0.028469
14	0	3.29E-05	0	0	0	0.000296	0.000197	0
15	0	0.000197	0	0.000789	0	0.011703	0	0.000131
16	0	0	0	0	0	0.000164	0	0
17	0	0	0	3.29E-05	0	0	0	0
18	0	0	0	3.29E-05	0	0	0	3.29E-05
19	0	0	0	0	0	3.29E-05	0	0
20	0	0	0	6.57E-05	0	3.29E-05	0	0
21	0	0	0	0	0	0	0	0
22	0	0	0	0	0	3.29E-05	0	0
23	0	0	0	0	0	6.57E-05	0	0
24	0	0	0	0	0	3.29E-05	0	0
25	0	0	0	0	0	6.57E-05	0	0
26	0	3.29E-05	0	0	0	0.000131	0	0
27	0	0	0	0	0	3.29E-05	0	6.57E-05
28	0	0.000164	0	0	0	6.57E-05	0	0.000131
29	0	3.29E-05	0	0	0	0	0	6.57E-05
30	0	6.57E-05	0	0	0	3.29E-05	0	0
31	0	0	0	0	0	0	0	0
32	0	0.001611	0	0	0	0.000164	0	0
33	0	6.57E-05	0	3.29E-05	0	0	0	0
34	0	3.29E-05	0	0	0	6.57E-05	0	3.29E-05
35	0	0	0	0	0	9.86E-05	0	3.29E-05
36	0	0	0	0	0	0.509649	0	0
37	0	0	0	0	0	3.29E-05	0	0
38	0	0.000164	0	0	0	0.014498	0	0
39	0	0	0	6.57E-05	0	3.29E-05	0	3.29E-05
40	0	0	0	0.000131	0	3.29E-05	0	0
41	0	6.57E-05	0	0.000197	0.000329	0.00092	0	3.29E-05
42	0	0.002268	0	0.009994	0	0.059634	0	0.002367
43	0	0	0	0	0	0.000657	0	0.000296
44	0	3.29E-05	0	0.000197	0	9.86E-05	0	3.29E-05
45	0	3.29E-05	0	0.000197	0.000131	0	0	3.29E-05
46	0	0.006838	3.29E-05	0.001742	0	0.055788	0	0.001446
47	0	0	0	0	0	0.000197	0	0
48	0	6.57E-05	0	0	0	0.004898	0	6.57E-05
49	0	0	0	0	0	0.115421	0	0
50	0	3.29E-05	0	0	0	0.000329	0	3.29E-05

0	3.29E-05	0	0.000131	0	0.00069	0	0	3.29E-05
0	6.57E-05	0	0	0	0.00023	0	0	3.29E-05
0	3.29E-05	0	0	0	9.86E-05	0	0	6.57E-05
0	0.003189	0	0	0	0.03271	0	0	0.000394
0	6.57E-05	3.29E-05	0	0	0.074756	0	0	0
0	9.86E-05	0	3.29E-05	0	0.000592	0	0	0.000822
0	0	6.57E-05	0	0	0.216838	0	0	0
0	0	0	3.29E-05	0	0.077024	0	0	0
0	0	0	6.57E-05	0	0	6.57E-05	0	0
0	3.29E-05	0	0	0	0.000131	0	0	0.000164
0	0	0	0	0	0	0	0	3.29E-05
0	0	0	0	0	0.000197	0	0	3.29E-05
0	0	0	0	0	0.000362	0	0	0
0	0	0	0	0	0	3.29E-05	0	0
0	9.86E-05	0	0	0	3.29E-05	0	0	0
0	0	0	0	0	6.57E-05	0	0	0
0	0	0	0	0	0.693317	0	0	0
0	3.29E-05	0	0	0	0.000164	0	0	0
0	3.29E-05	0	0	0	3.29E-05	0	0	0
0	3.29E-05	3.29E-05	0	0	0.400999	0	0	0
0	0	0	0	0	0.346461	0	0	0
0	0	3.29E-05	0	0	0.418653	0	0	3.29E-05
0	0	0	0	0	0.435221	0	0	0
0	0.000131	0	0	0	0.000131	0	0	6.57E-05
0	0.000131	0	0	0	6.57E-05	0	0	0
0	6.57E-05	6.57E-05	0	0	9.86E-05	0	0	0
0	0	0	0	0	0	0	0	0
0	3.29E-05	0	0	0	3.29E-05	0	0	3.29E-05
0	3.29E-05	9.86E-05	0	0	0.469148	0	0	0
0	6.57E-05	3.29E-05	0	0	0.449292	0	0	0
0	0	0	0	0	0.620467	0	0	0
0	0	0	0	0	0.001742	0	0	3.29E-05
0	0	0	0	3.29E-05	6.57E-05	0	0	0
0	3.29E-05	0	0	0	0.00286	0	0	3.29E-05
0	0	6.57E-05	0	0	0.441993	0	0	0
0	3.29E-05	3.29E-05	0	0	0.573918	0	0	0
0	9.86E-05	0	0	0	0.001282	0	0	0.005523
0	3.29E-05	6.57E-05	0	3.29E-05	0.860318	0	0	0
0	0	0	0	0	3.29E-05	0	0	0
0	0	0	0.000296	0	0	0	6.57E-05	0.310267
0	0.000131	6.57E-05	0.004076	0	0	0	0	0.006443
0	0	0	0.00023	0	0.050593	0	0	0.00023
0	6.57E-05	0	0.001282	0	0.000526	0	0	0.000822
0	3.29E-05	0	6.57E-05	0.000131	3.29E-05	0	0	0
0	0	0	0	0	0.000427	0	0	0.000131
0	6.57E-05	0	0.000164	0	0.000263	0	0	0.00023
0	0	0	0	0	0.000592	0	0	3.29E-05

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2	0	9.86E-05	0	0	0	0.008449	0	0 0.000362
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	6.57E-05	0	0 0.000164
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0.000329	0	0 6.57E-05
7	0	0	0	0	0	3.29E-05	0	0 3.29E-05
8	0	6.57E-05	0	6.57E-05	0	0.000296	0	0 6.57E-05
9	0	0.000197	0	9.86E-05	0	0.000427	0	0 3.29E-05
10	0	3.29E-05	0	0	0	0.000625	0	0 0
11	0	3.29E-05	0	0.000164	0	0	0	0 0.00023
12	0	0	0	0	0	0	0	0 3.29E-05
13	0	0	0	0	0	0	0	0 0
14	0	0	0	0	0	0.004142	0	0 0
15	0	3.29E-05	0	0	0	9.86E-05	0	0 3.29E-05
16	0	3.29E-05	0	0	0	0	0	0 0.000625
17	0	0	0	0	0	0.00069	0	0 0
18	0	0	0	9.86E-05	0	3.29E-05	0	0 0
19	0	3.29E-05	0	0.000164	0	0.000625	0	0 6.57E-05
20	0	3.29E-05	0	3.29E-05	0	6.57E-05	0	0 9.86E-05
21	0	0.000131	0	9.86E-05	3.29E-05	0.000559	0	0 0.000427
22	0	0	0	0.000131	0	0.000164	0	0 0.021237
23	0	3.29E-05	0	0	0	0.000197	0	6.57E-05 0.183241
24	0	3.29E-05	0	3.29E-05	9.86E-05	6.57E-05	0	0.000131 0.539597
25	0	0	0	0.000131	0	0.000296	0	0 0.022486
26	0	0	0	3.29E-05	0	6.57E-05	0	3.29E-05 0.022289
27	0	9.86E-05	0	0	0	9.86E-05	0	0 0.013413
28	0	0	0	0	0	0.000164	0	0 0.015286
29	0	0	0	0	0	0	0	0 0
30	0	0	0	0	0	0	0	0 0
31	0	0	0	0	0	0.000329	0	0 0
32	0	0	0	0	0	0	0	0 0
33	0	6.57E-05	0	0	0	0.001151	0	0 0
34	0	0	0	0	0	3.29E-05	0	0 0.000164
35	0	0.000329	0	0	0	9.86E-05	0	0 3.29E-05
36	0	0	3.29E-05	0	0	0	0	0 6.57E-05
37	0	0	0	0	0	0.000131	0	0 3.29E-05
38	0	0.004438	0	3.29E-05	0	0.037641	0	0 0.003419
39	0	0.009073	9.86E-05	0.000164	0	0.1026	0	0 0.000526
40	0	0.003353	0	0	0	0.024689	0	0 6.57E-05
41	0	0.00023	3.29E-05	9.86E-05	0.000394	0.002334	0	0 0.000131
42	0	0	0	3.29E-05	0	0.000362	0	0 0
43	0	0	0	6.57E-05	0	6.57E-05	0	0 6.57E-05
44	0	0.000526	0	0	0.000164	0.06154	0	0 0.001446
45	0	0.00069	0	0	0	0.153095	0	0 0.000625
46	0	0	0	0	0	3.29E-05	0	0 3.29E-05
47	0	0.00023	0	0.000427	9.86E-05	0.011046	0	3.29E-05 0.001019
48	0	0	0	0.000953	0.000131	0	0	3.29E-05 0
49								
50								
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1									
2	0	0.000197	0.000131	0	0	0.000263	0	0	0.000131
3	0	0.00332	0	0.000362	0	0.058812	0	0	0
4	0	0	0	0	3.29E-05	3.29E-05	0	0	6.57E-05
5	0	0	0	0	0	0	0	0	0
6	0	0	3.29E-05	0	0	0.000197	0	0	0
7	0	6.57E-05	0	0	0	6.57E-05	0	0	0
8	0	6.57E-05	0	0	0	0.000329	0	0	3.29E-05
9	0	6.57E-05	0	0	0	0	0	0	0
10	0	0.000164	0.000263	0	0	0.000263	0	0	3.29E-05
11	0	6.57E-05	0	3.29E-05	0	3.29E-05	0	0	0
12	0	6.57E-05	0	0	0	6.57E-05	0	0	0
13	0	6.57E-05	0	0	0	0.000329	0	0	0
14	0	6.57E-05	0	0	0	0.000131	0	0	0.000197
15	0	9.86E-05	0	0	0	0.000131	0	0	0
16	0	3.29E-05	0	0	0	0	0	0	0.000657
17	0	9.86E-05	0	0	0	6.57E-05	0	0	0
18	0	6.57E-05	0	0	0	6.57E-05	0	0	0
19	0	0.000427	0	3.29E-05	0	0.000592	0	3.29E-05	0.000296
20	0	0	0	0	3.29E-05	0.000164	0	0	0
21	0	0	0	0	0	0	0	0	3.29E-05
22	0	0.000164	0	0	0	0	0	0	3.29E-05
23	0	0	0	0	0	0.000822	0	0	0
24	0	0.000164	0	0.000131	0	9.86E-05	0	0	0.000131
25	0	0	0	0	0	9.86E-05	0	0	0
26	0	0	0	0	0	9.86E-05	0	0	0
27	0	3.29E-05	0	0	0	0.681909	0	0	0
28	0	0.003518	0	0	0	0.034584	0	0	0.000855
29	0	0	0	0	6.57E-05	0.000756	0	0	3.29E-05
30	0	0	0	0	0	3.29E-05	0	0	0
31	0	0	0	0	0	0.512936	0	0	3.29E-05
32	0	0	0	0	0	0.025839	0	0	0
33	0	3.29E-05	0	0	0	3.29E-05	0	0	0
34	0	9.86E-05	0	0	0	0.000131	0	0	0
35	0	0	3.29E-05	0	0	0.257142	0	0	0
36	0	3.29E-05	9.86E-05	0	0	0.9093	0	0	3.29E-05
37	0	3.29E-05	0	0	0	0.000329	0	0	0
38	0	0	6.57E-05	0	0	3.29E-05	0	0	3.29E-05
39	0	3.29E-05	0	0	0	0.010651	0	0	3.29E-05
40	0	6.57E-05	0	6.57E-05	0	0.002334	0	3.29E-05	0.000131
41	0	6.57E-05	0	0	9.86E-05	0.000888	0	0	3.29E-05
42	0	0	0	0	3.29E-05	0.120747	0	0	0
43	0	6.57E-05	0	0	0	0.000592	0	0	3.29E-05
44	0	3.29E-05	9.86E-05	0	0	0.476939	0	0	0
45	0	0.000164	0	0	0	0.000394	0	0	9.86E-05
46	0	0	0	0.001183	0.000756	6.57E-05	0	0	0
47	0	0	0	0	0	0.000625	0	0	0
48	0	0.00092	0.000394	3.29E-05	0	0.059305	0	0	0.001545
49	0	0	0	0	0	0	0	0	3.29E-05

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2	0	0	0	3.29E-05	0.000197	0	0	0	0
3	0	0.000164	0	6.57E-05	0.000131	0.000164	0	0	0
4	0	3.29E-05	0	0	0	6.57E-05	0	0	3.29E-05
5	0	0	0	0	6.57E-05	0.000329	0	0	0
6	0	0	0	0	0.000197	0	0	0	3.29E-05
7	0	0	0	0	0	9.86E-05	0	0	3.29E-05
8	0	0	0	0	0	0.000131	0	0	0
9	0	0	0	0	0	6.57E-05	0	0	3.29E-05
10	0	0	0	3.29E-05	0	0.000197	0	0	0
11	0	0	0	0	0	0.000164	0	0	6.57E-05
12	0	9.86E-05	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0.000164	6.57E-05	6.57E-05	0	0	0
18	0	0	0	0.000164	0	6.57E-05	0	0	0
19	0	0	0	0	0	0.068017	0	0	0
20	0	0.001578	0	0.000362	0	0.029159	0	0	0.000362
21	0	0	0	0	0	0.000197	0	0	0
22	0	3.29E-05	0	3.29E-05	0	0.000526	0	0	6.57E-05
23	0	0	0	3.29E-05	9.86E-05	6.57E-05	0	0	0
24	0	0	0	0.000263	6.57E-05	3.29E-05	0	0	0
25	0	0.000263	0	0.000131	0.000394	0.000164	0	0	3.29E-05
26	0	0	0	0	3.29E-05	0.02265	0	0	3.29E-05
27	0	3.29E-05	0	3.29E-05	0	0	3.29E-05	0	3.29E-05
28	0	0	0	0	0	9.86E-05	0	0	6.57E-05
29	0	9.86E-05	0	0	0	0.000164	0	0	3.29E-05
30	0	6.57E-05	0	0	0	0.000329	0	0	9.86E-05
31	0	3.29E-05	0	3.29E-05	0	9.86E-05	0	0	0
32	0	3.29E-05	3.29E-05	0	0	0.596798	0	0	0
33	0	0	0	0	0	0.00069	0	0	0
34	0	0	0	0	0	3.29E-05	0	0	0
35	0	0	0	0	0	6.57E-05	0	0	0
36	0	0	0	0	0	3.29E-05	0	0	0
37	0	0	0	0	0	0.000197	0	0	0
38	0	3.29E-05	0	0	0	9.86E-05	0	6.57E-05	0.322562
39	0	0	0	0	0	0.000296	0	0	0
40	0	0.000493	0	0	0	0.00046	0	0	0.000131
41	0	3.29E-05	0	0.000131	0	0.000131	0	0	0.000164
42	0	3.29E-05	0	0.000164	0	0.000164	0	0	0
43	0	3.29E-05	0	0	0	0.000592	0	0.000164	0.565107
44	0	0.001578	0	0	0	0.069989	0	0.000164	0.349946
45	0	6.57E-05	0	0	0	0	0	0	0.056346
46	0	6.57E-05	0	0	0	9.86E-05	0	0	0.001118
47	0	3.29E-05	0	0	0	0.001151	0	0	0
48	0	3.29E-05	0	0	0	3.29E-05	0	0	0.001972
49	0	3.29E-05	0	0.000164	9.86E-05	0.000592	0.000427	0	9.86E-05
50	0	0	0	0	0	3.29E-05	0	0	0.000296
51									
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0	0	0	3.29E-05	0.000131	0.000526	0	0	0
0	0.001545	0	0	0	0	0	0	0.000362
0	3.29E-05	0	0	0	0.000296	0	0	6.57E-05
0	6.57E-05	0	0	0	0.001348	0	0	3.29E-05
0	0	0	0	0	0	0	0	3.29E-05
0	0	0	0	0	6.57E-05	0	0	0
0	0	0	0	0	0.000362	0	0	0
0	0.00309	0	0	0.000263	0.001019	0	0	6.57E-05
0	0	0	0	3.29E-05	0.000723	0	0	3.29E-05
0	0.00286	0	0	0	0.05822	0	0	0.000394
0	0	0	6.57E-05	0.000263	0.000394	0	0	3.29E-05
0	3.29E-05	0	0	0	0.00023	0	0	3.29E-05
0	0.000329	0	0.000164	0.000131	0.004076	0	0	0.000296
0	0.00069	0	0	0	0.004241	0	0	0.000329
0	0.000263	0	0.000131	0.000526	0.001315	0	0	0.008975
0	6.57E-05	0	3.29E-05	0.000855	0.00023	0	0	6.57E-05
0	0	0	0.000131	3.29E-05	3.29E-05	6.57E-05	0	3.29E-05
0	0.000263	0.000526	0.002992	0	0.001907	0	0	0.002794
0	0	0	0	6.57E-05	0.063677	0	0	0
0	0	0	0	0	0	0	0	6.57E-05
0	3.29E-05	0	3.29E-05	0	0.000723	0	0	3.29E-05
0	9.86E-05	0	0	0	0.000592	0	0	0.000131
0	3.29E-05	0	0	0	0.000362	0	0	0
0	0	0	0	0	6.57E-05	0	0	0
0	3.29E-05	0	0	0	9.86E-05	0	0	0
0	0	0	0	0	0.017555	0	0	9.86E-05
0	3.29E-05	0	0	0	6.57E-05	0	0	0
0	0	0	0	0	9.86E-05	0	0	0
0	0.000131	0	0	0	0.000427	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	3.29E-05	0	0	0.230218	0	0	0
0	9.86E-05	0	0	0	0.050955	0	0	0
0	6.57E-05	0	0	0	9.86E-05	0	0	3.29E-05
0	0	0	0	6.57E-05	0.00503	0	0	0
0	3.29E-05	0	3.29E-05	0	0	0	0	0.007002
0	3.29E-05	3.29E-05	0	0	0.27016	0	0	0
0	0.003156	3.29E-05	0.000822	0	0.038594	0	0	0.000131
0	0	0	3.29E-05	0	0.001479	0	0.035438	0
0	0	0	0	0	0.000131	0	0	3.29E-05
0	6.57E-05	0	0	3.29E-05	6.57E-05	0	0	9.86E-05
0	0	0	6.57E-05	3.29E-05	0.003287	0	0	6.57E-05
0	0.003123	0	0.001183	0	0.045629	0	0	0.000625
0	0.000164	0	0.000164	0	0.001052	0	0	0.000197
0	3.29E-05	0	6.57E-05	0	0.000394	0	0	0
0	0	0	0	0	6.57E-05	0	0	0
0	0	0	0	0	6.57E-05	0	0	0

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2	0	3.29E-05	0	0	0	3.29E-05	0	0
3	0	0.000131	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	0	0	0	0	3.29E-05	0	0
6	0	0	0	0	0	0.000329	0	0
7	0	0.000197	0	3.29E-05	0	0	0	0
8	0	3.29E-05	0	0	0	0.000296	0	0
9	0	0	0	0	0	3.29E-05	0	0
10	0	0	0	0	0	0.000164	0	3.29E-05
11	0	0	0	0	0	0.000131	0	0
12	0	0.000592	0	3.29E-05	0	0.01121	0	0.012394
13	0	0	0	0	0	3.29E-05	0	0
14	0	0	0	0	0	3.29E-05	0	0
15	0	3.29E-05	0	0	0	0	0	6.57E-05
16	0	3.29E-05	0	0	0	3.29E-05	0	0
17	0	3.29E-05	0	0	0	0	0	0
18	0	3.29E-05	0	0	0	6.57E-05	0	0
19	0	3.29E-05	0	0	0	0.000493	0	0
20	0	3.29E-05	0	0	0	0.051645	0	0
21	0	3.29E-05	0	0	0	0.001151	0	0
22	0	3.29E-05	0	0	0	0	0	3.29E-05
23	0	3.29E-05	0	0	0	0	0	9.86E-05
24	0	0	0	0	0	0	0	0
25	0	3.29E-05	0	0	0	0	0	0
26	0	6.57E-05	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0
28	0	3.29E-05	0	3.29E-05	0	0	0	0
29	0	0	0	0	0	0	0	0
30	0	3.29E-05	0	0	0	3.29E-05	0	0
31	0	3.29E-05	0	0	0	0.000131	0	0
32	0	6.57E-05	0	0	0	0.001216	0	0
33	0	3.29E-05	0	0	0	6.57E-05	0	0
34	0	3.29E-05	0	0	0	3.29E-05	0	0
35	0	3.29E-05	0	0	0	3.29E-05	0	0
36	0	6.57E-05	0	0	0	3.29E-05	0	0.00023
37	0	3.29E-05	0	0	0	9.86E-05	0	0
38	0	9.86E-05	0	0	0	3.29E-05	0	0.000131
39	0	6.57E-05	0	0	0	0.000164	0	0
40	0	0.000197	0	6.57E-05	0	0.00046	0	0
41	0	0.000164	0	0	0	6.57E-05	0	0
42	0	0	0	0	0	0	0	0
43	0	0	0	0	0	3.29E-05	0	6.57E-05
44	0	0.000164	0	9.86E-05	0	0.000953	0	6.57E-05
45	0	3.29E-05	0	0	0	0.000362	0	0
46	0	0	0	0	0	0.000526	0	0
47	0	0	0	0	0	6.57E-05	0	0
48	0	0	0	0	0	3.29E-05	0	0
49	0	0	0	0	0	0	0	0
50	0	3.29E-05	0	0	0	9.86E-05	0	0
51	0	0	0	0.000263	0	0.004767	0	0
52	0	0	0	0	0	0.028633	0	0
53	0	0	0	0	0	0.243433	0	0
54	0	0	0	0	0	0	0	3.29E-05

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2	0	0.005884	0	0.008942	0	0.025642	0	0 0.003649
3	0	0	0	0	0	0.031	0	0 0
4	0	9.86E-05	0	0	3.29E-05	0.000164	0	0 3.29E-05
5	0	3.29E-05	0	6.57E-05	0	0.000329	0	0 0
6	0	0	6.57E-05	0	0	0.264144	0	0 3.29E-05
7	0	0.000164	0	0.00023	0	0.003682	0	0 0.000164
8	0	0	3.29E-05	0	0	0.273579	0	0 0
9	0	0	0	3.29E-05	0	0.000723	0	0 0.000197
10	0	3.29E-05	0	0.000131	0	0.001709	0	0 3.29E-05
11	0	0	0	0.000394	0	0	0	0 3.29E-05
12	0	3.29E-05	0	0	0	0.00046	0	0 6.57E-05
13	0	0	0	0	3.29E-05	6.57E-05	0	0 0
14	0	0.312798	0	0	0	0.000164	0	0 3.29E-05
15	0	0.472435	0	0	0	0.001677	0	0 0
16	0	0.023571	0	0	0	6.57E-05	0	0 6.57E-05
17	3.29E-05	0.238962	0	0	0	6.57E-05	0	0 0
18	0	0.14846	0	0	0	0	0	0 0
19	0	0.023406	0	0	0	0	0	0 0
20	0	0.389198	0	0	0	0	0	0 0
21	0	0.76324	0	3.29E-05	0	0.000263	0	0 0
22	0	0.46346	0	0	0	0	0	0 9.86E-05
23	0	0.167395	0	6.57E-05	0	0.290772	0	0 0
24	0	0.803215	0	0	0	9.86E-05	0	0 0
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5	0	0	3.29E-05	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	3.29E-05	0	0
16	0	0	0	0	0	0	0	0	0
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28	0	0	0	0	0	0	0.000197	0	0
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31	0	0	0	0	0	0	9.86E-05	0	0
32	0	0	0	0	0	0	0	0	0
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43	0	0	0	0	0	0	6.57E-05	0	0
44	0	0	0	0	0	0	3.29E-05	0	0
45	0	0	0	0	0	0	3.29E-05	0	0
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38	0	0	0	0	0	0	0.000164	0	0
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45	0	0	0	0	0	0	3.29E-05	0	0
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28	9.86E-05	0	0	0	0	0	9.86E-05	0	0
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55	0	0	0	0	0	0	3.29E-05	0	0
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8	3.29E-05	0	0	0	0	0	0	0	0
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10	0	0	0	0	0	0	0	0	0
11	0	0	9.86E-05	0	0	0	0	0	0
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14	0	0	0	0	0	0	3.29E-05	0	0
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41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	3.29E-05	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0.000986	0	0
49	0	0	0	0	0	0	0.000888	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0.001052	0	0
52	0	0	0	0	0	0	0.004964	0	0
53	0	0	0	0	0	0	0.064039	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	9.86E-05	0	0	0	0	0.000197	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0.000197	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	3.29E-05	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	3.29E-05	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0.000362	0	0
26	0	0	0	0	0	0	6.57E-05	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
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37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0.000362	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0.000559	0	0	0	0	0	3.29E-05	0	0
46	0	0	0	0	0	0	0.001151	0	0
47	0	0	0	0	0	0	0.00023	0	0
48	0	0	0	0	0	0	3.29E-05	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
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53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	6.57E-05	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0.000296	0	0
3	0	0	0	0	0	0	0.000131	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
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15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	3.29E-05	0	0
22	0	0	0	0	0	0	0	0	0
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25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	9.86E-05	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
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40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	3.29E-05	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	6.57E-05	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	9.86E-05	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	3.29E-05	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	9.86E-05	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	6.57E-05	0	0
21	0	0	0	0	0	0	9.86E-05	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0.000164	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0.00023	0	0
30	0	0	0	0	0	0	0	0	0
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40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0.000131	0	0
50	0	0	0	0	0	0	0.000296	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	9.86E-05	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	3.29E-05	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	3.29E-05
11	0	0	0	0	0	0	9.86E-05	0	0
12	0	0	0	0	0	0	3.29E-05	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	9.86E-05	0	0
18	0	0	0	0	0	0	0.000362	0	0
19	0	0	0	0	0	0	0.000164	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0.000427	0	0	0	0	0
27	0	0	0	3.29E-05	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	6.57E-05	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
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41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0.000329	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	3.29E-05	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	9.86E-05	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	3.29E-05	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	3.29E-05	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	3.29E-05	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0.00069	0	0
15	0	0	0	0	0	0	0	0	0
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17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
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33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0.000131	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0.003255	0	0	0	3.29E-05	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0.000329	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0.000263	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0

1									
2	0	0	0	0	0	0	0.00069	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
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7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0.000131	0	0
14	0	0	0	0	0	0	0.000197	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0.000131	0	0
29									

k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
0	0	0	3.29E-05	0	0	0	0	0.000296
0	0	0	0	0	0	0	0	0.000197
0	0	0	0	0	0	0	0	0.000329
0	0	0	0	0	0	0	0	0.000164
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0.000131
0	0	0	0	0	0	0	0	0.001052
0	0	0	0	0	0	0	0	0.001019
0	0	0	0	0	0	0	0	0.000953
0	0	0	0	0	0	0	0	0.005523
0	0	0	0	0	0	0	0	0.000789
0	0	0	0	0	0	0	0	9.86E-05
0	0	0	0	0	0	0	0	0
0	0	0	0.033959	0	0	0	0	0.002071
0	0	0	0	0	0	0	0	0.002334
0	0	0	3.29E-05	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0.004011	0	0	0	0	0
0	0	0	0.000394	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	3.29E-05
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	9.86E-05
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	3.29E-05
0	0	0	9.86E-05	0	0	0	0	3.29E-05
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0.031526
0	0	0	0	0	0	0	0	0.000362
0	0	0	0	0	0	0	0	0.001414
0	0	0	6.57E-05	0	0	0	0	0.001446
0	0	0	0	0	0	0	0	0.003781
0	0	0	0	0	0	0	0.00069	0.0406
0	0	0	0	0	0	0	0	0.003287
0	0	0	0	0	0	6.57E-05	3.29E-05	0.013906
0	0	0	0	0	0	0	0	0.001348
0	0	0	3.29E-05	0	0	0	6.57E-05	9.86E-05
0	0	0	0	0	0	0	0	3.29E-05

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	6.57E-05	0	0	0	0	3.29E-05
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	9.86E-05	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0.000625
20	0	0	0	0	0	0	0	0	0.000625
21	0	0	0	3.29E-05	0	0	0	0	6.57E-05
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	3.29E-05
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	6.57E-05
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0.000329
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0.000131
34	0	0	0	3.29E-05	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0.001019
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	6.57E-05
39	0	0	0	0	0	0	0	0	3.29E-05
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0.001545
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0.000296	0	0	0	0	0.001052
49	0	0	0	0	0	0	0	0	0.001085
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0.000526	0	0	0	0	9.86E-05
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59									
60									

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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	9.86E-05	0	0.004307
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	3.29E-05
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	3.29E-05	0	0	9.86E-05
18	0	0	0	0	0	0	0	0	0.000329
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0.000296
22	0	0	0	0	0	0	0	0	0.000625
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	3.29E-05	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0.00069
28	0	0	0	0	0	0	0	0	0.000723
29	0	0	0	0	0	0	0	0	0.001414
30	0	0	0	0	0	0	0	0	0.000526
31	0	0	0	0	0	0	0	0	0.000296
32	0	0	0	0	0	0	0	3.29E-05	0.000296
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0.000263
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0.000131
37	0	0	0	0	0	0	0	0	0.000131
38	0	0	0	0	0	0	3.29E-05	0	6.57E-05
39	0	0	0	0	0	0	0.000164	0	0.000493
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0.000131
43	0	0	0	0	0	0	0	0	6.57E-05
44	0	0	0	0	0	0	0	0	0.001282
45	0	0	0	3.29E-05	0	0	0	0	0.001282
46	0	0	0	0	0	0	0	0	0.000427
47	0	0	0	3.29E-05	0	0	0	3.29E-05	0.001118
48	0	0	0	0	0	0	0	3.29E-05	0.001118
49	0	0	0	0	0	0	0.003057	0.001085	0.028403
50	0	0	0	0	0	0	0.002893	0.000164	0.006673
51	0	0	0	0	0	0	0.000131	9.86E-05	0.002137
52	0	0	0	0	0	0	0	0	0.000329
53	0	0	0	0	0	0	3.29E-05	0	0.00023
54	0	0	0	0	0	0	0	0	0.000362
55	0	0	0	0	0	0	0	0	0.000427
56	0	0	0	0	0	0	0	0	0.000427
57	0	0	0	0	0	0	0	0	0.000427
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0.000296
3	0	0	0	3.29E-05	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	9.86E-05
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	3.29E-05	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	9.86E-05	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	6.57E-05	0	0	0	0	0
23	0	0	0	0	0	0	0	0	3.29E-05
24	0	0	0	0.000197	0	0	0	0	6.57E-05
25	0	0	0	0	0	0	0	0	0
26	0	0	0	3.29E-05	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0.001874
28	0	0	0	0	0	0	0	9.86E-05	0.001216
29	0	0	0	0	0	0	0	0	0.003156
30	0	0	0	0	0	0	0	0	0.001348
31	0	0	0	0	0	0	0	0	0.002301
32	0	0	0	0.003846	0	0	0	0	0.00092
33	0	0	0	0	0	0	0	0	0.002005
34	0	0	0	0	0	0	0	0	0.000855
35	0	0	0	0.000362	0	0	0	0	0.000723
36	0	0	0	0	0	0	0	0	0.001907
37	0	0	0	0	0	0	0	0	0.00355
38	0	0	0	0	0	0	0	0	0.012098
39	0	0	0	0	0	0	0	0	0.001414
40	0	0	0	6.57E-05	0	0.000394	0	0	0.005457
41	0	0	0	0	0	0	0	0	6.57E-05
42	0	0	0	0	0	0	0	0	0.002137
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	3.29E-05
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0.000197
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	3.29E-05
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0.000263
14	0	0	0	0	0	0	0	0	3.29E-05
15	0	0	0	0	0	0	0	0	6.57E-05
16	0	0	0	0	0	0	0	0	0.000164
17	0	0	0	0	0	0	0	9.86E-05	0.006147
18	0	0	0	0	0	0	0	0	0.012821
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	3.29E-05
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	3.29E-05	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	3.29E-05	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0.000131
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	9.86E-05	0	0	0	0	3.29E-05
33	0	0	0	0.000559	0	0	0	0	0.003419
34	0	0	0	0	0	0	0	0	0.00549
35	0	0	0	0	0	0	0	0	0.00046
36	0	0	0	0	0	0	0	0	9.86E-05
37	0	0	0	0	0	0	0	0	0.000493
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0.29669	0	0	0	0	3.29E-05
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	3.29E-05
44	0	0	0	0	0	0	0	0	0
45	0	0	0	3.29E-05	0	0	0	0	3.29E-05
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0.000427	0	0.002137
49	0	0	0	0	0	0	9.86E-05	0	0.006115
50	0	0	0	0	0	3.29E-05	6.57E-05	0	0.002729
51	0	0	0	0.000131	0	0	0	0	0.034847
52	0	0	0	0	0	0	6.57E-05	0	0.00595
53	0	0	0	0	0	0	0.000263	0	0.005063
54	0	0	0	0	0	0	9.86E-05	0	0.002597
55	0	0	0	0	0	0	0	0	0.004668
56	0	0	0	6.57E-05	0	0	0	0	0.008975
57	0	0	0	0	0	0	0	0	0
58									
59									
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1									
2	0	0	0	0	0	0	0	0	0.001644
3	0	0	0	0.000197	0	0	0	0	0.001348
4	0	0	0	0	0	0	0	0	0.000723
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	6.57E-05	0	0	0	0	0
9	0	0	0	0.00092	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0.001479
14	0	0	0	0.000756	0	0	0	0	0
15	0	0	0	9.86E-05	0	0	0	0	0.01292
16	0	0	0	0.001972	0	0	0	0	0
17	0	0	0	0.000296	0	0	0	0	9.86E-05
18	0	0	0	0	0	0	0	0	0.00069
19	0	0	0	0	0	0	0	0	0.00046
20	0	0	0	0	0	0	0	0	0.00023
21	0	0	0	0	0	0	0	0	0.000362
22	0	0	0	0	0	0	0	0	0.000427
23	0	0	0	0	0	0	0	0	0.001183
24	0	0	0	0	0	0	0	0	0.001085
25	0	0	0	0	0	0	0	0	0.000427
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	6.57E-05
28	0	0	0	0	0	0	0	0	9.86E-05
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	3.29E-05	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0.000625
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0.419705	0	0	0	0	6.57E-05
39	0	0	0	0.40524	0	0	0	0	3.29E-05
40	0	0	0	0	0	0	0	0	3.29E-05
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0.000362
43	0	0	0	0	0	0	0	0	0.001151
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	3.29E-05
46	0	0	0	0	0	0	0	0	0.002301
47	0	0	0	0.000592	0	0	0	0	3.29E-05
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0.006443
51	0	0	0	0	0	0	0	0	0.003057
52	0	0	0	0	0	0	0.000296	3.29E-05	0.003583
53	0	0	0	0	0	0	0	0	0.005128
54	0	0	0	0	0	0	0.000197	0	0.00217
55	0	0	0	0	0	0	0.000197	0	
56	0	0	0	0	0	0	0	0	
57	0	0	0	0	0	0	0	0	
58									
59									
60									

1									
2	0	0	0	0	0	0	0	6.57E-05	0.010125
3	0	0	0	0	0	0	0.00023	0	0.010914
4	0	0	0	0	0	0	0	0	0.0048
5	0	0	0	9.86E-05	0	0	0	0	0.000822
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	9.86E-05
8	0	0	0	0	0	0	0	0	0.000131
9	0	0	0	0	0	0	0	0.000131	0.037378
10	0	0	0	0	0	0	0	0.000131	0.013511
11	0	0	0	0	0	0	0	3.29E-05	0.000756
12	0	0	0	0	0	0	0	9.86E-05	0.011572
13	0	0	0	0	0	0	0	0	0.004208
14	0	0	0	0	0	0	0	0	0.018541
15	0	0	0	0	0	0	0	0	0.013248
16	0	0	0	0	0	0	0	0	0.021072
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	6.57E-05
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	3.29E-05
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	3.29E-05
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0.000197
31	0	0	0	0	0	0	0	0	6.57E-05
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	9.86E-05
34	0	0	0	0	0	0	0	0	0
35	0	0	0	3.29E-05	0	0	0.000526	0	0.000362
36	0	0	0	0	0	0	0	0	3.29E-05
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0.000559
46	0	0	0	0	0	0.000131	0	0	0.000164
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	3.29E-05	0	0	0	0	3.29E-05
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	6.57E-05	0	0	0	0	3.29E-05
53	0	0	0	3.29E-05	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0.018344
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0.000329
57	0	0	0	0	0	0	0	0	
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0.00092
3	0	0	0	0	0	0	0	0	0.000131
4	0	0	0	0	0	0	0	0	0.002203
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	3.29E-05	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	3.29E-05	0	0	0	0	0
19	0	0	0	0.000362	0	0	0	0	0.000296
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	6.57E-05
22	0	0	0	3.29E-05	0	0	0	0	0
23	0	0	0	0.00023	0	0	0	0	0
24	0	0	0	0.001479	0	0	0	0	0.001479
25	0	0	0	3.29E-05	0	0	0	0	0.002071
26	0	0	0	0	0	0	0	0	0.001118
27	0	0	0	0	0	0	0	0	6.57E-05
28	0	0	0	0	0	0	0	0	0.00046
29	0	0	0	0	0	0	0	0	0.000296
30	0	0	0	6.57E-05	0	0	0	0	0.000263
31	0	0	0	0	0	0	0	0	0.001841
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0.001348
34	0	0	0	3.29E-05	0	0	0	0	0.001545
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0.001151
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	6.57E-05
44	0	0	0	0	0	0	0	0	0.000756
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0.000131	0	0	0.000164	0	0.001151
47	0	0	0	6.57E-05	0	0	0	0	0.000131
48	0	0	0	0	0	0	0	0	6.57E-05
49	0	0	0	0	0	0	0	0	6.57E-05
50	0	0	0	0	0	0	0	0	0.001348
51	0	0	0	0.000197	0	0	0	0	0.000263
52	0	0	0	0	0	0	0	0	0.001216
53	0	0	0	3.29E-05	0	0	0	0	0.001019
54	0	0	0	0	0	0	0	0	0
55									
56									
57									
58									
59									
60									

1								
2	0	0	0	6.57E-05	0	0	0	0
3	0	0	0	0.000822	0	0	0	0.000362
4	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	6.57E-05
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0
15	0	0	0	0	0	3.29E-05	0	0
16	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0
20	0	0	0	3.29E-05	0	0	0	0
21	0	0	0	6.57E-05	0	0	0	0
22	0	0	0	0	0	0	0	0.000427
23	0	0	0	0	0	0	0	9.86E-05
24	0	0	0	0	0	0	0	0.000131
25	0	0	0	0	0	0	0	6.57E-05
26	0	0	0	3.29E-05	0	0	0	0
27	0	0	0	3.29E-05	0	0	0	0.000131
28	0	0	0	0	0	9.86E-05	0	0.000131
29	0	0	0	0	0	0	0	0.000164
30	0	0	0	0.000362	0	0	0	0
31	0	0	0	0	0	0	0	0.00046
32	0	0	0	0	0	0	0	0.008745
33	0	0	0	0	0	0	0	0.003781
34	0	0	0	0	0	0	0	0.001151
35	0	0	0	0	0	3.29E-05	0	0.007002
36	0	0	0	0	0	0	0	0.000263
37	0	0	0	0	0	0	0	0.001775
38	0	0	0	0	0	3.29E-05	0	0.000493
39	0	0	0	0	0	0.000263	0	9.86E-05
40	0	0	0	3.29E-05	0	0	0	0
41	0	0	0	0	0	3.29E-05	0	0.001348
42	0	0	0	0	0	0	0	0.010027
43	0	0	0	0	6.57E-05	0	0	0.003748
44	0	0	0	0	0	0	0	0.023209
45	0	0	0	0.000164	0	0	0	0.013906
46	0	0	0	0	0	0	0	0.014761
47	0	0	0	0	0	0	0	0.016864
48	0	0	0	0	0	0	0	0.000296
49	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0.00023
51	0	0	0	0	0	0	0	0.000296
52								
53								
54								
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1									
2	0	0	0	0	0	0	0	0	0.00092
3	0	0	0	0	0	0	0	0	0.000427
4	0	0	0	0	0	0	0	0	9.86E-05
5	0	0	0	0	0	0	0	0	0.001348
6	0	0	0	0	0	0	0	0	0.000296
7	0	0	0	0	0	0	0	0	0.001578
8	0	0	0	0	0	0	6.57E-05	0	0.001578
9	0	0	0	0	0	0	0	0	0.005852
10	0	0	0	0	0	0	0	0	0.000559
11	0	0	0	0	0	0	0	0	0.019034
12	0	0	0	0	0	0	0	0	0.000657
13	0	0	0	0	0	0	0	0	0.007397
14	0	0	0	0	0	0	0	0	0.00023
15	0	0	0	0	0	0	0	0	0.013676
16	0	0	0	0	0	0	0	0	0.025149
17	0	0	3.29E-05	0	0	0	9.86E-05	0	0.025149
18	0	0	0	0	0	0	6.57E-05	0	0.014004
19	0	0	0	0	0	0	0	0	0.004471
20	0	0	0	0.000526	0	0	0	0	0.000592
21	0	0	0	0	0	0	0	0	0.003024
22	0	0	0	0	0	0	0	0	0.002268
23	0	0	0	0	0	0	0	0	0.00858
24	0	0	0	3.29E-05	0	0	0	0	0.003682
25	0	0	0	0	0	0	0	0	0.003682
26	0	0	0	6.57E-05	0	3.29E-05	0	0	0
27	0	0	0	0	0	0	0	0	9.86E-05
28	0	0	0	0.000164	0	0	0	0	6.57E-05
29	0	0	0	0	0	0	0.000362	0	0.000789
30	0	0	0	0	0	0	0	0	0.005391
31	0	0	0	0	0	0	0	0	0.000657
32	0	0	0	0	0	0	0	0	3.29E-05
33	0	0	0	0	0	0	0	0	0.000953
34	0	0	0	0	0	0	0	0	0.007167
35	0	0	0	0	0	0	0	0	0.061146
36	0	0	0	0	0	0	0	0	0.002794
37	0	0	0	3.29E-05	0	0	0	0	0.000131
38	0	0	0	0	0	0	0	0	0.000855
39	0	0	0	3.29E-05	0	0	0	0	6.57E-05
40	0	0	0	0	0	0	0	0	0
41	0	0	0	3.29E-05	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	3.29E-05	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0.001446
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0.000953
57	0	0	0	0	0	0	0	0	0.003222
58									
59									
60									

1									
2	0	0	0	0	0	0	0	0	0.00023
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	3.29E-05	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0.000164	0	0	0
12	0	0	0	0.001052	0	0	0	0	0.005852
13	0	0	0	0	0	0	0	0	0.00023
14	0	0	0	0	0	0	0	0	0.001282
15	0	0	0	0.000362	0	0	0	0	0.000197
16	0	0	0	0.000263	0	0	3.29E-05	0	0.000296
17	0	0	0	0.000427	0	0	0	0	0.000131
18	0	0	0	3.29E-05	0	0	0	0	0.000296
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	3.29E-05
22	0	0	3.29E-05	0	0	0	0	0	0
23	0	0	0	6.57E-05	0	0	0	0	0.000164
24	0	0	0	3.29E-05	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	3.29E-05
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	3.29E-05
30	0	0	0	0	0	0	0	3.29E-05	0.000296
31	0	0	0	0	0	0	0	0	3.29E-05
32	0	0	0	0	0	0	0	0	6.57E-05
33	0	0	0	0	0	0	0	0	0.002137
34	0	0	0	0	0	0	0.000625	0	0.040797
35	0	0	0	0	0	0	0.001611	0	0.001282
36	0	0	0	0	0	0	0.001085	0	0.001151
37	0	0	0	0	0	0	0.000559	0	0.00217
38	0	0	0	0	0	0	0.000362	0	0.000888
39	0	0	0	0.000296	0	0	0	0	0.008054
40	0	0	0	0	0	0	0	0	0.002433
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0.029357
43	0	0	0	0	0	0	0	0	6.57E-05
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0.00023
46	0	0	3.29E-05	3.29E-05	0	0	0	0	0.000657
47	0	0	0	0	0	0	3.29E-05	0	0.023045
48	0	0	0	0.00023	0	0	0	0	0.000855
49	0	0	0	0	0	0	0	3.29E-05	0.016141
50	0	0	0	0	0	0	0	0.000131	0.037641
51	0	0	0	0	0	0	0	0	0.003255
52	0	0	0	0	0	0	0	0	0.000888

1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	3.29E-05
5	0	0	0	0	0	0	0	0	0.002827
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0.000263
10	0	0	0	0	0	0	0	0	0.00194
11	0	0	0	0	0	0	0	0	0.000493
12	0	0	0	3.29E-05	0	0	0	0	0.003255
13	0	0	0	0.000362	0	0	0	0	0.000329
14	0	0	0	0	0	0	0	0	0.004438
15	0	0	0	0	0	0	0	0	0.017522
16	0	0	0	3.29E-05	0	0	6.57E-05	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	3.29E-05
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	3.29E-05
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	3.29E-05
23	0	0	0	0	0	0	0	0	9.86E-05
24	0	0	0	0	0	0	3.29E-05	0	6.57E-05
25	0	0	0	0	0	0	0	0	0.000164
26	0	0	0	0	0	0	0	0	0.000131
27	0	0	0	0	0	0	0	0	6.57E-05
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0.002038
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0.000263
32	0	0	0	0	0	0	0	0	3.29E-05
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	3.29E-05	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0.001348
45	0	0	0	0	0	0	0	0	0.000723
46	0	0	0	3.29E-05	0	0	0	0	0.000526
47	0	0	0	0.000427	0	0	0	0	0.004898
48	0	0	0	0	0	0	0	0	0.010684
49	0	0	0	0.00046	0	0	9.86E-05	0	0.025445
50	0	0	0	0	0	0	0	0	0.000263
51	0	0	0	0	0	0	0	0	0.004175
52	0	0	0	0	0	0	0	0	0.000164
53	0	0	0	0	0	0	3.29E-05	0	0.000855
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
60									

0	0	0	0.000953	0	0	0	0	0.004109
0	0	0	0	0	0	0	0	0.00023
0	0	0	0	0	0	0	0	0
0	9.86E-05	0	0	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0.000394
0	0	0	0	0	0	0	0	0.005161
0	0	0	0	0	0	0	0	0.039449
0	0	0	0	0	0	0	6.57E-05	0.000822
0	0	0	0	0	0	0	0	0
0	0	0	3.29E-05	0	0	0	0	0.000986
0	0	0	0	0	0	0	0	3.29E-05
0	0	0	0	0	0	0	0	0.001249
0	0	0	0	0	0	0	0	3.29E-05
0	0	0	0	0	0	0.000394	0	0.000789
0	0	0	0	0	0	0	0.000131	0.000592
0	0	0	0	0	0	0	9.86E-05	0.001479
0	0	0	0	0	0	0	0	0.000263
0	0	0	0	0	0	0.000723	3.29E-05	0.002498
0	0	0	0	0	0	0	0	0.000131
0	0	0	0	0	0	0	0	0.000329
0	0	0	0	0	6.57E-05	0	0.001085	0.008777
0	0	0	0	0	0	0.002663	3.29E-05	0.005687
0	0	0	0.000197	0	0	0	0	9.86E-05

1									
2									
3									
4	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	3.29E-05	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0.000131	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	3.29E-05	0	0	0	0	0
21	0	0	0.000131	0.009073	0	0	0	0	0
22	0	0	3.29E-05	0.002498	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	3.29E-05	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	6.57E-05	0	0	0	0	0
30	0	0	0	0.000164	0	0.000296	0	0	0
31	0	0	0	0	0	3.29E-05	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	3.29E-05	0	6.57E-05	0	0	0
35	0	0	0	3.29E-05	0	3.29E-05	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	3.29E-05	0	3.29E-05	0	0	0
38	0	0	0	0	0	0.000131	0	0	0
39	0	0	0	0.000164	0	0	0	0	0
40	0	0	0	3.29E-05	0	3.29E-05	0	0	0
41	0	0	0	0	0	3.29E-05	0	0	0
42	0	0	0	6.57E-05	0	0	0	0	0
43	0	0	0	0.024031	0	3.29E-05	0	0	0.000131
44	0	0	0	0.000986	0	0	0	0	0
45	0	0	0	0.01453	0	0.000559	0	0	0
46	0	0	0	0.004504	0	0	0	0	0
47	0	0	0	0.013215	0	0	0	0	0
48	0	0	0	0.056971	0	3.29E-05	0	0	0
49	0	0	0	0.008547	0	3.29E-05	0	0	0
50	0	0	0	0.007791	0	6.57E-05	0	6.57E-05	0
51	0	0	0	0.003616	0	0	0	0	0
52	3.29E-05	0	0	0.001907	0	0	0	0	0
53	0	0	0	3.29E-05	0	0	0	0	0
54									
55									
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57									
58									
59									
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1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0.000131	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	6.57E-05	0	6.57E-05	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0.000131	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0.000197	0	3.29E-05	0
11	0	0	0	3.29E-05	0	0.000427	0	6.57E-05	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0.000822	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	6.57E-05	0.006542	0	0	0	0	0
20	0	0	0	0.004471	0	0	0	0	0
21	0	0	0	0.000559	0	6.57E-05	0	0	0
22	0	0	0	0	6.57E-05	0	0	0	0
23	0	0	0	3.29E-05	0	0	0	0	0
24	0	0	0	0.000394	0	0	0	0	0
25	0	0	0	3.29E-05	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	3.29E-05	0	0	0	0	0
28	0	0	0	0	6.57E-05	0	0	0	0
29	0	0	0	6.57E-05	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	3.29E-05	0	0	0	0	0
35	0	0	0	0.000592	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	3.29E-05	0	0	0	0	0
38	0	0	0	6.57E-05	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	3.29E-05	0	0	0	0	0
41	0	0	0	0.000131	0	0	0	0	0
42	0	0	0	9.86E-05	0	0	0	0	0
43	0	0	0	0.001841	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0.003024	0	0	0	0	0
46	0	0	0	0.003452	0	0	0	0	0
47	0	0	0	0	9.86E-05	9.86E-05	0	0	0
48	0	0	0	0	0	6.57E-05	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	3.29E-05	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0.0048	0	0.000131	0	0	0
54	0	0	0	0	0	9.86E-05	0	0	0
55									
56									
57									
58									
59									
60									

1								
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0.00023	0	0
4	0	0	0	0	0	0.000888	0	0
5	0	0	0	0.003485	0	0	0	0
6	0	0	0	0	0	0.000427	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0.000131	0	3.29E-05
14	0	0	0	0	0	9.86E-05	0	0
15	0	0	0	3.29E-05	0	0	0	3.29E-05
16	0	0	0	0	0	0	0	0
17	0	0	0	0.001019	0	0	0	0
18	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0
20	0	0	0	3.29E-05	0	0	0	0
21	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0
27	0	0	0	0.00286	0	3.29E-05	0	0
28	0	0	0	0.001611	0	6.57E-05	0	0
29	0	0	0	0.003024	0	6.57E-05	6.57E-05	0
30	0	0	0	0.001414	0	0	0	0
31	0	0	0	0.001907	0	0.000493	3.29E-05	0.00023
32	0	0	0	0.000888	0	6.57E-05	0	0
33	0	0	0	0.000756	0	0.000263	6.57E-05	0
34	0	0	0	3.29E-05	0	0	0	0
35	0	0	0	0.000526	0	6.57E-05	6.57E-05	0
36	0	0	0	6.57E-05	0	0.00023	0	0
37	0	0	0	0.001742	0	0.000131	0	0
38	0	0	0	0.000427	0	0	0	0
39	0	0	0	0	0	0.000164	0	0
40	0	0	0	0.000526	0	9.86E-05	0	0
41	0	0	0	0	0	0.000526	0	0
42	0	0	0	0.000131	0	0.00046	0	0
43	0	0	0	0.000427	0	3.29E-05	0	0
44	0	0.000131	0	0.004537	0	0	0	0
45	0	3.29E-05	3.29E-05	0.009271	0	0.000164	0	0
46	0	0	0	0.090536	0	0	0	0
47	0	0	0	0.032184	0	0.000263	0.000427	0
48	0	0	0	0.009501	0	0	6.57E-05	0
49	0	0	0	3.29E-05	0	3.29E-05	0	0
50	0	0	0	0	0	0.000329	0	0
51	0	0	0	0	0	6.57E-05	0	0
52	0	0	0	0	0	6.57E-05	0	0
53	0	0	0	0	0	6.57E-05	0	0
54	0	0	0	0	0	6.57E-05	0	0
55	0	0	0	0	0	6.57E-05	0	0
56	0	0	0	0	0	6.57E-05	0	0
57	0	0	0	0	0	6.57E-05	0	0
58								
59								
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1								
2	0	0	0	6.57E-05	0	0.000789	0	0
3	0	0	0	6.57E-05	0	0.000131	0	0
4	0	0	0	0	0	3.29E-05	0	0
5	0	0	0	0	0	3.29E-05	0	0
6	0	0	0	9.86E-05	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	3.29E-05	0	0	0	0
11	0	0	0	0	0	0	0	0
12	0	0	0	6.57E-05	0	0	0	0
13	0	0	0	3.29E-05	0	0	0	0
14	0	0	0	3.29E-05	0	0	0	0
15	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0
24	0	0	0	0.000131	0	0	0	0
25	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0
28	0	0	0	0.011144	0	0.000493	0.000329	0
29	0	0	0	0.001611	0	0	0	0
30	0	0	0	0.03054	0	0.000592	0	0
31	0	0	0	0.000131	0	0	0	0
32	0	0	0	0.00092	0	0	0	0
33	0	0	0	0.000822	0	0	0	0
34	0	0	0	0.000723	0	0	3.29E-05	0
35	0	0	0	0.002597	0	0	0	0
36	0	0	0	0.004438	0	0	0	0
37	0	0	0	3.29E-05	0	0	0	0
38	0	0	0	0.001151	0	3.29E-05	0	0
39	0	0	0.000427	0.0119	0	0.000526	0	0
40	0	0	0	0.001216	0	0	0	0
41	0	0	0	0.001249	0	0	0	0
42	0	0	0	9.86E-05	0	0	0	0
43	0	0	0	0.000427	0	0	0	0
44	0	0	0	0	0	0.000526	0	0
45	0	0	0	3.29E-05	0	0	0	0
46	0	0	0	3.29E-05	0	0.000362	0	0
47	0	0	0	0.000888	0	0.000559	0	0
48	0	0	0	3.29E-05	0	0	0	0
49	0	0	0	0	0	0.00023	0	0
50	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0
58								
59								
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2	0	0	0	0	0	0	0	0	0
3	0	0	0	6.57E-05	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	3.29E-05	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	3.29E-05	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0.000625	0	6.57E-05	0.000263	3.29E-05	0
16	0	0	0	0.000362	0	3.29E-05	0	0	0
17	0	0	0	0.029159	0	0	0	0	0
18	0	0	0	0.028732	0	0.000131	0	0	0
19	0	0	0	3.29E-05	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	3.29E-05	0	0	9.86E-05	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	3.29E-05	0	0	0	0	0
31	0	0	0	0.000526	0	0	0	0	0
32	0	0	0	0.008777	0	0	0	0	0
33	0	0	0	0.0024	0	0	0	0	0
34	0	0	0	0.00046	0	0.000263	0	0	0
35	0	0	0	0	0	3.29E-05	3.29E-05	0	0
36	0	0	0	0.000427	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	3.29E-05	0	0.001249	0	0	0
43	0	0	0	3.29E-05	0	0.000131	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	3.29E-05	0	0	0
46	0	0	0	0.002466	0	0.000131	0	0	0
47	0	0	0	0.003748	0	0	0	0	0
48	0	0	0	0.00092	0	0.000296	9.86E-05	0	0
49	0	0	0	0.063349	0	0	0	0	0
50	0	0	0	0.019199	0	0	0	0	0
51	0	0	0	0.014662	0	9.86E-05	0.000131	0	3.29E-05
52	0	0	0	0.013873	0	0.000164	3.29E-05	0	3.29E-05
53	0	0	0	0.01315	0	0	0	0	0
54	0	0	0	0.034255	0	3.29E-05	0	0	0
55									
56									
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58									
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1									
2	0	0	0	0.003616	0	0.000131	0.000131	0	0
3	0	0	0	0.001874	0	0.000592	0	0	0
4	0	0	0	0.003682	0	6.57E-05	0	0	0
5	0	0	0	3.29E-05	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	3.29E-05	0	0	0	0	0
8	0	0	0	0.001907	0	0	0	0	0
9	0	3.29E-05	0	0.001907	0	0	0	0	0
10	0	0	0	3.29E-05	0	0	0	0	0
11	0	0	0	6.57E-05	0	0	0	0	0
12	0	0	0	0.003156	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	3.29E-05	0	0	0	0	0
17	0	0	0	0.000657	0	0	0	0	0
18	0	0	0	0.00194	0	0	0	0	0
19	0	0	0	0.000789	0	0	0	0	3.29E-05
20	0	0	0	0.000526	0	0	0	0	0
21	0	0	0	0.001381	0	0	0	0	0
22	0	0	0	0.001381	0	3.29E-05	0	0	0
23	0	0	0	0.001709	0	0.000131	0	0	0
24	0	0	0	0.005194	0	0	0.000296	0	0
25	0	0	0	0.001611	0	0.000197	0.000197	0	3.29E-05
26	0	0	0	0.000197	0	0	0	0	0
27	0	0	0	0.000362	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	6.57E-05	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	9.86E-05	0	0	0	0	0
36	0	0	0	0	0	3.29E-05	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	3.29E-05	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	3.29E-05	0	0	0	0	0
43	0	0	0	9.86E-05	0	0.000986	0.000164	0	0
44	0	0	0	0	0	3.29E-05	0	0	0
45	0	0	0	0.000164	0	0	0	0	0
46	0	0	0	0.002367	0	0	0	0	0
47	0	0	0	0	0	0.000625	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0.00069	0	0	0	0	0
51	0	0	0	0.002761	0	0	0	0	0
52	0	0	0	0.006805	0	0.000164	0	0	0
53	0	0	0	0.003846	0	0	0	0	0
54	0	0	0	0.003518	0	0	0	0	0
55	0	3.29E-05	0	0.003518	0	0	0	0	0
56									
57									
58									
59									
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1									
2	0	0	0	0.005161	0	0	0	0	0
3	0	0	0	0.007265	0	0	0	3.29E-05	0
4	0	0	0	0.007101	0	0	0.000164	0	0
5	0	0	0	0.000953	0	0	0	0	0
6	0	0	0	3.29E-05	0	9.86E-05	0	0	0
7	0	0	0	0.000263	0	0.000131	0.00023	0	0
8	0	6.57E-05	0.001972	0.008909	0	0	0	0	0
9	0	0	0.000855	0.00503	0	0.000296	0	0	9.86E-05
10	0	0	0.002761	0.00503	0	0	0	0	0
11	0	0	0.000296	0.00217	0	6.57E-05	0	0	0
12	0	0	0.000427	0.00092	0	0.000131	0	0	6.57E-05
13	0	3.29E-05	0.003616	0.013774	0	0	0	0	0.000131
14	0	0	0.000394	0.020218	0	0.00023	0	0	0
15	0	0	0.00046	0.01739	0	0.00023	0	0	0.000131
16	0	0	0	0	0	0	0	0	0
17	0	0	0	9.86E-05	0	0.000625	0	6.57E-05	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0.000131	0	3.29E-05	0	0	0
20	0	0	0	3.29E-05	0	0	0	0	0
21	0	0	0	0	0	3.29E-05	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	6.57E-05	0	0	0
24	0	0	0	0	0	0.000394	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0.00092	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	3.29E-05	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	6.57E-05	0	0	0
36	0	0	0	0	0	0.000131	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	3.29E-05	0	0.000263	9.86E-05	0	0
40	0	0	0	0	0	3.29E-05	0.000131	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	3.29E-05	0	0	0
46	0	0	0	6.57E-05	0	0	0	0	0
47	0	0	0	3.29E-05	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0.000559	0	0	0	0	0
54	0	0	0	0.004372	0	0	0	0	0
55	0	0	0	0.000197	0	0	0	0	0
56	0	0	0	0.000953	0	0.000197	0	0	0
57	0	0	0	0.000953	0	0.000197	0	0	0
58									
59									
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2	0	0	0	0.002137	0	0.000131	0	0
3	0	0	0	0.000197	0	0.000164	0	0
4	0	0	0	0.001907	0	0	0	0
5	0	0	0	3.29E-05	0	0	0	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	3.29E-05	0	0	0	0
10	0	0	0	3.29E-05	0	0	0	0
11	0	0	0	0	0	0	3.29E-05	0
12	0	0	0	0	0	0	3.29E-05	0
13	0	0	0	3.29E-05	0	0	0	0
14	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0
16	0	0	0	0	0	9.86E-05	0.000131	0
17	0	0	0	0	3.29E-05	6.57E-05	6.57E-05	0
18	0	0	0	0	0	0	0	0
19	0	0	0	0.000493	0	0	0	0
20	0	0	0	0	0	0	0	0
21	0	0	0	0	0.000197	0	0	0
22	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0
24	0	0	0	0	0.000789	0	0	0
25	0	0	0	3.29E-05	0	0.000263	0	0
26	0	0	0	6.57E-05	0	0	0	0
27	0	0	0	0	6.57E-05	0	0	0
28	0	0	0	0	3.29E-05	0	0	0
29	0	0	0	3.29E-05	0	9.86E-05	0	0
30	0	0	0	0	3.29E-05	0	0	0
31	0	0	0	0.029948	0	0	0	0
32	0	0	0	0.000164	0	0	0	0
33	0	0	0	0.021533	0	9.86E-05	0	0
34	0	0	0	0.010881	0	0	0	0
35	0	0	0	0.000197	0	0	0	0
36	0	0	0	0	0	0	0	0
37	0	0.000164	0	0.004602	0	0	0	0
38	0	0	0	3.29E-05	0	0	0	0
39	0	0	0	9.86E-05	0	0	0	0
40	0	0	0	0.007758	0	0	0	0
41	0	0	0	0.00286	0	0	0	0
42	0	0	0	0.002959	0	0	0	0
43	0	0.001282	0	0.001808	0	0	0	0
44	0	3.29E-05	0	9.86E-05	0	0	0	0
45	0	0	0	3.29E-05	0	0	0	0
46	0	0	0	0.001578	0	0	0	0
47	0	0	0	0.006904	0	0	0	0
48	0	0	0	0.016371	0	3.29E-05	0	0
49	0	0.002268	0	6.57E-05	0	0	0	0
50	0	0	0	0	0	0	0	0

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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0.002367	0	0	0	0	0
4	0	0	0	3.29E-05	0	0	0	0	0
5	0	0	0	3.29E-05	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	3.29E-05	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
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16	0	0	0	0	0	0	0	0	0
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19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0.000263	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0.000164	0	0	0
25	0	0	0	0.000427	0	0	0	0	0
26	0	0	0	0	0	0	3.29E-05	0	0
27	0	0	0	0	0	3.29E-05	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	6.57E-05	0	0	0
30	0	0	0	0.00263	0	0	0	0	0
31	0	0	0	0.00217	0	0	0	0	0
32	0	0	0	0.003781	0	0.00069	0	0.000131	0
33	0	0	0	0.002334	0	9.86E-05	0	0	0
34	0	0	0	9.86E-05	0	0.00046	0	0	0
35	0	0	0	0.0024	0	0	0	0	0
36	0	0	0	0.000592	0	0.000362	0	6.57E-05	0
37	0	0	0	0.008449	0	9.86E-05	0	0	0
38	0	0	0	0.001479	0	0	0	0	0
39	0	0	0	0.002794	0	3.29E-05	0	0	0
40	0	0	0	6.57E-05	0	3.29E-05	0	0	0
41	0	0	0	0.003386	0	3.29E-05	0	0	0
42	0	0	0.000131	0.015944	0	0	0	0	0
43	0	0	0.000427	0.00309	0	0	0	0	0
44	0	0	9.86E-05	0.077156	0	0.000131	0	0	0
45	0	0	0.000131	0.010125	0	0	0	0	0
46	0	0	3.29E-05	0.01384	0	3.29E-05	0	0	3.29E-05
47	0	0	0.000197	0.017949	0	0	0	0	0
48	0	0	0	0.002696	0	0	0	0	0
49	0	0	0	0.002268	0	0	0	0	0
50	0	0	0	0.003024	0	3.29E-05	0	0	0
51	0	0	0	0.000394	0	0	0	0	0

1								
2	0	0	0	0.001512	0	0	0	0
3	0	0	0	0.00046	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	0	0	0.000131	0	0	0	0
6	0	0	0	0.000592	0	0	0	0
7	0	0	0	0.002137	0	0.000296	0	0
8	0	0	0	0.019692	0	9.86E-05	0	9.86E-05
9	0	0	0	0.002203	0	3.29E-05	0	0
10	0	0	0	0.032907	0	0.000296	0	0
11	0	0	0	0.006575	0	9.86E-05	0	0
12	0	0	0	0.035997	0	6.57E-05	0	0
13	0	0	0	0.007397	0	0.000592	0	0
14	0	0	0	0.036227	0	0	0	0
15	0	0	0	0.012952	0	0.000329	0	3.29E-05
16	0	0	0	0.004767	0	0.001282	0.000131	3.29E-05
17	0	0	0	0.010848	0	0.000493	0.00046	0
18	0	0	0	0.004011	0	9.86E-05	0	0
19	0	0	0	0.001479	0	0.000131	3.29E-05	0
20	0	0	0	0.000592	0	0.000263	0	0
21	0	0	0	0.025017	0	0	0	0
22	0	0	0	0.00217	0	0	0	3.29E-05
23	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	6.57E-05	0
30	0	0	0	0.006706	0	0.00069	3.29E-05	6.57E-05
31	0	0	0	0.006115	0	0	0	0.000164
32	0	0	0	0.005556	0	0	0	0
33	0	0	0	0.000164	0	0	0	0
34	0	0	0	0.001512	0	9.86E-05	0	0
35	0	0	0	0.02002	0	0.000263	0	0
36	0	0	0	0.075709	0	0	0	0
37	0	0	0	0.027417	0	0.000329	0	0
38	0	0	0	0.004767	0	0	0	0
39	0	0	0	0.004537	0	0.000164	0	0
40	0	0	0	3.29E-05	0	0	0	0
41	0	0	0	0	0	0	0	0
42	0	0	0	0.000362	0	0	0	0
43	0	0	0	0	0	0	0	0
44	0	0	0	6.57E-05	0	0	0	0
45	0	0	0	9.86E-05	0	0	0	0
46	0	0	0	0.004635	0	0	0	0
47	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0
56	0	0	0	0.036655	0	0	0.000131	3.29E-05
57	0	0	0	0.323318	0	0	0	0
58								
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2	0	0	0	0.000723	0	0	0	0	0
3	0	0	0	3.29E-05	0	0	0	0	0
4	0	0	0	6.57E-05	0	3.29E-05	0	0	0
5	0	0	0	0.00092	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	3.29E-05	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	6.57E-05	0.006608	0	0	0	0	0
14	0	0	0	3.29E-05	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0.00023	0	0	0	0	0
17	0	0	0	0.000362	0	0	0	0	0
18	0	0	0	0.000131	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	3.29E-05	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0.000953	0	0	0	0	0
27	0	0	0	9.86E-05	0	0	0	0	0
28	0	0	0	0	0	0	3.29E-05	0	0
29	0	0	0	3.29E-05	0	0	0	0	0
30	0	0	0	0.002235	0	0.00069	0	3.29E-05	0
31	0	0	0	3.29E-05	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0.007101	0	0.000986	0.000164	0	0
34	0	0	0	0.074887	0	0.000493	3.29E-05	6.57E-05	0
35	0	0	0	0.002926	0	9.86E-05	0.000131	0.000131	0
36	0	0	0	0.009566	0	0.000164	0.00023	0	0
37	0	0	0	0.013446	0	6.57E-05	0	0	0
38	0	0	0	0.001446	0	0.000296	6.57E-05	0	0
39	0	0	0	0.011013	0	0.001348	0.000427	3.29E-05	0
40	0	0	0.000164	0.0024	0	0.000986	0	0	3.29E-05
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0.111049	0	0	0	0	0
43	0	0	0	0.00309	0	6.57E-05	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0.000131	0	0	0	0	0
47	0	0	0.000362	0.020809	0	9.86E-05	0	0	3.29E-05
48	0	0	0.000131	0.005358	0	0	0	0	0
49	0	0	0.000526	0.03271	0	0	0	0	6.57E-05
50	0	0	0.00069	0.035636	0	0.000296	6.57E-05	0	0.000131
51	0	0	3.29E-05	0.006706	0	0	0	0	0
52	0	0	3.29E-05	0.002137	0	0	0	0	0
53									
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2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0.00046	0	0
4	0	0	0	0	0	0	0	0
5	0	0	0	0.004471	0	0.002761	0.000427	0
6	0	0	0	9.86E-05	0	0	0	0
7	0	0	0	0	0	3.29E-05	0	0
8	0	0	0	0.005063	0	0	0	0
9	0	0	0	0.010816	0	0	0	0
10	0	0	0	0.001677	0	0.000263	0	0
11	0	0	0	0.018903	0	0	3.29E-05	0
12	0	3.29E-05	0	0.002794	0	0.000197	0	0
13	0	0	0	0.000197	0	3.29E-05	0	0
14	0	0	0	0.037871	0	6.57E-05	0	0
15	0	0	0	0.001118	0	0	0	0
16	0	0	0	0.000131	0	0	3.29E-05	0
17	0	0	0	0.000427	0	0	0	0
18	0	0	0	9.86E-05	0	0	0	0
19	0	0	0	3.29E-05	0	3.29E-05	0	6.57E-05
20	0	0	0	0.000592	0	0.000164	0	9.86E-05
21	0	0	0	0.00217	0	6.57E-05	0	0.000131
22	0	0	0	0.000197	0	0	6.57E-05	0
23	0	0	0	0.001216	0	0	0	0
24	0	0	0	0.000394	0	0	0	0
25	0	0	0	0.000362	0	0	3.29E-05	0
26	0	0	0	0.00526	0	6.57E-05	0	3.29E-05
27	0	0	0	0	0	0	0	0
28	0	0	6.57E-05	0.000329	0	0	0	0
29	0	0	0	0	0	0	0	0
30	0	0	0	3.29E-05	0	0	0	0
31	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0
44	0	3.29E-05	9.86E-05	0.007101	0	0.000131	0	0
45	0	0	6.57E-05	0.00286	0	0	0	0
46	0	0	0	0.001216	0	3.29E-05	0	0
47	0	0	0.000131	0.012525	0	0.000296	0	9.86E-05
48	0	0	0	0.007002	0	0	0	9.86E-05
49	0	0	0	0.095795	0	0.000526	0	9.86E-05
50	0	0	0	0.004734	0	0	0	0
51	0	0	0	0	0	6.57E-05	0	0
52	0	0	0	0	0	3.29E-05	0	0
53	0	0	0	0.000296	0	0.002498	0	0
54	0	0	0	0	0	0	0	0
55	0	0	0	3.29E-05	0	6.57E-05	0	0
56	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0
59								
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2	0	0	0	0.009534	0	3.29E-05	0	0	0
3	0	0	0	3.29E-05	0	0.000296	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	9.86E-05	0	0	0
7	0	0	0	0.017555	0	0	0	0	0
8	0	0	0	0.053453	0	3.29E-05	0	0	0
9	0	0	0	0.012295	0	0	0	0	0
10	0	0	0	0.001052	0	0	0	0	0
11	0	0	0	0.002696	0	0	0	0	0
12	0	0	0	0.003781	0	0	0	0	0
13	0	0	0	0.00217	0	0	0	0	0
14	0	0	0	0.000526	0	0.000164	0	0	0
15	0	0	0	0.004076	0	0	6.57E-05	0	0
16	0	0	0	0.003846	0	0	0	0	0
17	0	0	0	0.005621	0	0	0	0	0
18	0	0	0	0.001808	0	0	0	0	0
19	0	9.86E-05	0	0.011276	0	0.00046	0.000394	9.86E-05	0
20	0	0.000427	0	0.000625	0	0	0	0	0
21	0	0	0	0.00194	0	0	0	0	0
22	0	0	0	0.018311	0	0	0	0	0
23	0	0	0	0.011144	0	0.000953	0.000526	0	0
24	0	0	0	0.000164	0	0	0	0	0
25									
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k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri	k_Bacteri
0	0.000263	0	0	0	0	0	0	0	0
0	0.000131	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0.000723	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	6.57E-05	0	0
0	3.29E-05	0	0	0	0	0	0	0	0
0	0.000657	0	0	0	0	0	0.001348	0	0
0	0.000197	6.57E-05	0	0	0	0	0.000394	0	0
0	0.000131	6.57E-05	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0.002334	0	0	0	0	0	0.007857	0	0
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0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0.000164	0	0	0	0	0	0.000263	0	0
0	0	0	0	0	0	0	0	0	0
0	0.000329	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0.00069	0	0	0	0	0	0	0
0	3.29E-05	0.001578	0	0	0	0	0	0	0
0	3.29E-05	6.57E-05	0	0	0	0	0	0	0
0	0	3.29E-05	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0.000394	0.00069	0	0	0	0	0.000625	0	0
0	0	0.00309	0	0	0	0	0	0	0
0	0.000427	0.000789	0	0	0	0	0	0	0
0	0	0.015615	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0.00023	0	0	0	0	0	0	0
0	0	9.86E-05	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0.00069	0	3.29E-05	0	0	0	0	0
0	0	3.29E-05	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0.00046	0	0	0	0	0	0	0

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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	6.57E-05	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	3.29E-05	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	6.57E-05	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	9.86E-05	0	0	0	0	0	9.86E-05	0
28	0	0	0.000197	0	0	0	0	0.000625	0
29	0	0	3.29E-05	0	0	0	0	0	0
30	0	0.000263	0.000394	0	0	0	0	0	0
31	0	0.000131	0	0	0	0	0	0	0
32	0	0.013709	0	0	0	0	0	0	0
33	0	0.00332	0	0	0	0	0	0	0
34	0	9.86E-05	0.000197	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	9.86E-05	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	9.86E-05	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	9.86E-05	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0.000263	0	0
47	0	9.86E-05	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	3.29E-05	0
52	0	0	0	0	0	0	0	9.86E-05	0
53	0	0.00835	0	0	0	0	0	0.00194	0
54	0	0	0	0	0	0	0	0.025609	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	6.57E-05	0	0
57	0	0	0	0	0	0	0	0	0
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<https://mc.manuscriptcentral.com/thorax>

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2	0	0	3.29E-05	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	6.57E-05	0	0	0	0	0	0
5	0	0	3.29E-05	0	0	0	0	0	0
6	0	0	0	0	0	0	0	9.86E-05	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	3.29E-05	0	0	0	0	0	9.86E-05	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0.00092	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0.000263	0
18	0	0.000592	0	0	0	0	0	0.005819	0
19	0	0	0	0	0	0	0	9.86E-05	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	3.29E-05	0	0	0	0	0	0
23	0	0	0	0	0	0	3.29E-05	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0.005556	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0.00023	0	0	0	0	0.000131	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	3.29E-05	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0.000131	0	0	0	0	3.29E-05	0	0
34	0	0	6.57E-05	0	0	0	0	0	0
35	0	0	9.86E-05	0	0	0	0	0	0
36	0	0	0.000559	0	0	0	0	0	0
37	0	0.000822	0	0	0	0	0	0.000197	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0.002696	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0.000427	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	3.29E-05	0	0	0	9.86E-05	0	6.57E-05	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	3.29E-05	0	0	0	0	0	0	0
56	0	0	9.86E-05	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0.000164	0
58									
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2	0	0	6.57E-05	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0.000296	0.000756	0	0	0	0	3.29E-05	0
5	0	0	3.29E-05	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0.000296	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	3.29E-05	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	3.29E-05	0	0	0	0	0	0.000131	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0.00023	0	0	0	0	0.000164	0
18	0	0	0.00069	0	0	0	0	9.86E-05	0
19	0	9.86E-05	0	0	0	0	0	0.000296	0
20	0	0.000197	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0.004274	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	6.57E-05	0	0	0	0	0	6.57E-05	0
33	0	0	0	0	0	0	0	0	0
34	0	0.000263	0	0	0	0	0	0	0
35	0	0	6.57E-05	0	0	0	0	0	0
36	0	9.86E-05	0	0	0	0	0	3.29E-05	0
37	0	0	0	0	0	0	0	0	0
38	0	9.86E-05	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0.000131	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	9.86E-05	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0.000131	0	0	0	0	0	0
50	0	0	0.002433	0	0	0	0	0	0
51	0	0	9.86E-05	0	0	0	0	0	0
52	0	0	6.57E-05	0	0	0	0	0	0
53	0	0	3.29E-05	0	0	0	0	0	0
54	0	0.000789	3.29E-05	0	0	0	0	0	0
55	0	0	6.57E-05	0	0	0	0.00046	0.000263	0
56									
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1									
2	0	0	0	0	0	0	6.57E-05	0	0
3	0	0.000822	0.000362	0	0	0	0	0	0
4	0	0	0.00046	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	6.57E-05	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0.000986	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0.003748	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	6.57E-05	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	3.29E-05	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	6.57E-05	6.57E-05	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0.000131	0	0	0	6.57E-05	0	0
45	0	0.000296	0	0	0	0	0	0	0
46	0	3.29E-05	0	0	0	0	0	0	0
47	0	0.001479	0	0	0	0	0	0.002038	0
48	0	0.000362	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0.000296	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0.000164	0	0	0	0	3.29E-05	0
55	0	0.000197	0.000131	0	0	0	0	0	0
56	0	6.57E-05	0.00046	0	0	0	0	0	0
57	0	3.29E-05	0.000164	0	0	0	0	0	0
58									
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2	0	0	0.001874	0	0	0	0	0	0
3	0	0	0.001019	0	0	0	0	0	0
4	0	0	0.000296	0	0	0	0	0	0
5	0	0	3.29E-05	0	0	0	0	0	0
6	0	0.000164	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0.001348	0	3.29E-05	0	0	0	0
9	0	3.29E-05	0.00069	0	0	0	0	0	0
10	0	3.29E-05	0	0	0	0	0.000197	0	0
11	0	0	0.000427	0	6.57E-05	0	0	0	0
12	0	0	0.000131	0	0	0	0	0	0
13	0	0	6.57E-05	0	3.29E-05	0	0	0	0
14	0	0	0.000493	0	3.29E-05	0	0	0	0
15	0	0	0.000789	0	3.29E-05	0	0	0	0
16	0	6.57E-05	0	0	0	0	0	0	0
17	0	9.86E-05	0	0	0	0	0	0	0
18	0	0.000296	0	0	0	0	0.002597	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0.000164	0	0	0	0	0	0
34	0	0	6.57E-05	0	0	0	0	0	0
35	0	0	3.29E-05	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0.000131	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0.000822	0	0	0	0	0	3.29E-05	0
46	0	3.29E-05	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0.000131	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0.000855	0
54	0	0	0.004241	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58									
59									
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1									
2	0	0	3.29E-05	0	0	0	0	0	0
3	0	9.86E-05	0	3.29E-05	0	0	0	0.00069	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0.000164	0	0	0	0	0	0	0
8	0	3.29E-05	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	3.29E-05	0	0	0	0	0	0	0
19	0	3.29E-05	0	0	0	0	0	0	0
20	0	0	0.00023	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	6.57E-05	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0.000131	6.57E-05	0	0	0	0	0	0
27	0	0.000263	0.000526	0	0	0	0	0	0
28	0	0	0.000131	0	0	0	0	0.009303	0
29	0	0.000164	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	6.57E-05	0
32	0	0	0	0	0	0	0	3.29E-05	0
33	0	0	9.86E-05	0	0	0	0	0	0
34	0	0	0.001085	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	6.57E-05	0.000526	0	0	0	0	0	0
38	0	0	0.00069	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0.000197	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0.000296	0
48	0	0	0	0	0	0	0	0	0
49	0	0.000789	0	0	0	0	0	0.000625	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	9.86E-05	0	0	0	0	0.001644	0
55	0	9.86E-05	0.000493	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0.001019	0

1									
2	0	0	0	0	0	0	0.000197	0	0
3	0	0	0	0	0	0	0	0.000263	0
4	0	0.000394	3.29E-05	0	0	0	9.86E-05	0	0
5	0	0.000625	0	0	0	0	0	0	0
6	0	0.000329	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
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12	0	0	0	0	0	0	0	0	0
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16	0	0	0	0	0	0	0	0	0
17	0	6.57E-05	0	0	0	0	0	3.29E-05	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	6.57E-05	0	0	0	0	0	0	0
22	0	3.29E-05	0	3.29E-05	0	0	0	0	0
23	0	0	0	0	0	0	0	6.57E-05	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0.000427	0
28	0	0.000197	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0.000329	0	0	0	0	0	0	0
31	0	0.000756	0	0	0	0	0	0	0
32	0	0.000592	0	0	0	0	0	0	0
33	0	3.29E-05	9.86E-05	0	3.29E-05	0	0	0	0
34	0	9.86E-05	0.000131	0	0	0	0	0	0
35	0	0	3.29E-05	0	0	0	0	0	0
36	0	0	0.000526	0	3.29E-05	0	0	0	0
37	0	0.000164	9.86E-05	0	0	0	0	0	0
38	0	0	6.57E-05	0	0	0	0	0	0
39	0	3.29E-05	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0.00023	0	0	0	0	0	0
43	0	0	0.000197	0	0	0	0	0	0
44	0	0	3.29E-05	0	0	0	0	0	0
45	0	0.000329	0.003485	0	0	0	0	0	0
46	0	0.002268	0	0	0	0	0	0.013314	0
47	0	0	0.001019	0	0	0	0	0	0
48	0	0	9.86E-05	0	0	0	0	0	0.000131
49	0	0.000888	0	0	0	0	0	0	0
50	0	0	0	0.001085	0	0	0	0	0
51	0	0.000296	0	0	0	0	0	0	0
52	0	0.009961	0	0	0	0	0	0.000427	0
53									
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2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	3.29E-05	0	0	0	0	0	3.29E-05	0
5	0	0	0	0	0	0	0	0	0
6	0	0.000131	0	0	0	0	0	0.000362	0
7	0	0	6.57E-05	0	0	0	0	0	0
8	0	9.86E-05	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0.000394	0	0	0	0	0	0
12	0	0	0.000296	0	0	0	0	0	0
13	0	0	0.000197	0	0	0	0	0	0
14	0	0	0.000592	0	0	0	0	0	0
15	0	0	0.001972	0	0	0	0	0	0
16	0	6.57E-05	0	0	0	0	0	6.57E-05	0
17	0	0	0	0	0	0	0	0	0
18	0	6.57E-05	0	0	0	0	0	0	0
19	0	9.86E-05	0.000131	0	0	0	0	0	0
20	0	0.000362	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0.000296	3.29E-05	0	0	0	0	0	0
25	0	0	3.29E-05	0	0	0	0	0.000131	0
26	0	0	0.000362	0	0	0	0	0	0
27	0	0	6.57E-05	0	0	0	0	0	0
28	0	0	6.57E-05	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	3.29E-05	0	0	0
36	0	0.00092	0.000329	0	0	0	3.29E-05	0	0
37	0	0	0.000855	0	0.000723	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0.000526	0	0	0	0	0	6.57E-05	0
42	0	0	3.29E-05	0	0	0	0	0	0
43	0	0	0	3.29E-05	0	0	0	0	0
44	0	0.001414	0	0.000789	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	3.29E-05	0
48	0	0	0	0	0	0	0	0	0
49	0	0.00023	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	6.57E-05	0	0	0	0	0	0	0
52	0	3.29E-05	0	0	0	0	0	0	0
53	0	3.29E-05	0	0	0	0	0	0	0
54	0	0	0.000953	0	0	0	0	0	0
55	0	0	0.009599	0	0	0	0	0	0
56									
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58									
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1									
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	3.29E-05	3.29E-05	0	0	0	0	0	0
5	0	0	6.57E-05	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0.004372	0	0	0	0	3.29E-05	0.002137	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0.001085	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0.000362	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	3.29E-05	0	0	0	0.001578	3.29E-05	0
17	0	0	3.29E-05	0	0	0	0	0	0
18	0	3.29E-05	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0.000427	0	0	0	0	0	0.000164	0
22	0	0.000559	0	0	0	0	0	0	0
23	0	0.000131	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	6.57E-05	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0.000197	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	6.57E-05	0	0
35	0	6.57E-05	0	0	0.000131	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	6.57E-05	0	0	0	0	0	0
40	0	3.29E-05	3.29E-05	0	0	0	0	3.29E-05	0
41	0	0	0	0	0	0	0	0	0
42	0	9.86E-05	0.000394	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0.002433	0	0	0	0	0	0
45	0	0.000822	0	0	0	0	0	0	0
46	0	0	0.001118	0	0	0	0	0	0
47	0	0	0.00069	0	0	0	0	0	0
48	0	0	0.023439	0	0	0	0	0	0
49	0.000263	0.000329	0.001907	0	0.000131	0	0	0	0
50	0	0.001118	0.000789	0	0	0	0	0	0
51	0.000197	0	0.001348	0	3.29E-05	0	0	0	0
52	6.57E-05	0	0.00355	0	9.86E-05	0	0	0	0
53	0	0	0	0	0	0	0	0.000296	0
54	0	0	3.29E-05	0	0	0	0	0	0

1									
2	0	0	0	0	0	0	0	3.29E-05	0
3	0	0.000197	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0.000329	0.00023	0	0	0	0	0	0
7	0	0.000197	0.000131	0	0	0	0	0	0
8	0	0	0.000263	0	0	0	0	0	0
9	0	0	0.000427	0	0	0	0	0	0
10	0	0	3.29E-05	0	0	0	0	0	0
11	0	0.000131	0.00023	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0.000164	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0.00023	0
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19	0	0	0	0	0	0	0	0	0
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21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	6.57E-05	0	0	0	0	0	0
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26	0	0	3.29E-05	0	0	0	0	3.29E-05	0
27	0	0	0	0	0	0	0	0	0
28	0	0	6.57E-05	0	0	0	0	0	0
29	0	0	3.29E-05	0	0	0	0	0	0
30	0	6.57E-05	0	0	0	0	0	9.86E-05	0
31	0	3.29E-05	0	0	0	0	0	0	0
32	0	0	0	6.57E-05	0	0	0	3.29E-05	0
33	0	0	0	0	0	0	0	0	0
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35	0	0	0	0	0	0	0	0	0
36	0	3.29E-05	0	0	0	0	0	3.29E-05	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	6.57E-05	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0.000131	0	6.57E-05	0	0	3.29E-05	0
44	0	0	0.000164	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0.000625	0	0	0	0	0	0
47	0	6.57E-05	0.000986	0	0	0	0	0	0
48	0	0	0.001709	0	0	0	0	0	0
49	0	0	0.000197	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
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52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	3.29E-05	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	3.29E-05	0	0	0	0	0	0	0
58									
59									
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0	0.00023	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	6.57E-05	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0.000296	0	0	0	0	0	0
0	0	9.86E-05	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0.001085	0	0	0	0	0	0
0	0.000164	0.000197	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0.000362	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	3.29E-05	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	9.86E-05	0	0	0	0	6.57E-05	0
0	3.29E-05	0.000625	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	9.86E-05	0	0	0	0	0	0	0
0	0	0.001052	0	0	0	0	0	0
0	9.86E-05	9.86E-05	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

1									
2									
3									
4	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri	k__Bacteri
5	0	0	0	0	0	0	0	0	0
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36	0	0	0	0	0	0	0	0	0
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50	0	0	0	0	0	0	0	0	0
51	0	0	6.57E-05	0	0	0	0	0	0
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58									
59									
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3	0	0	0	0	0	0	0	0	0
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25	0	6.57E-05	0	0	0	0	0	0	0
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45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
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36	0	0	0	6.57E-05	0	0	0	0	0
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53	6.57E-05	0	0	0	0	0	0	0	0
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58									
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Supplementary Table S3: Association of UniFrac distance vs exacerbation frequency

Blue text denotes tests with $P \leq 0.05$

Red text denotes tests with $P > 0.05$

Microbiome-associated (sampled) exacerbation frequency

Test: Pearson correlation (Student's T-test)

		Unweighted unifracs			
	Comparison	R	P	Z	N
Within subject	All	0.16	9.58E-13	7.04	1970
Between subject	All	0.12	< 1e-10	30.7	69026
Within subject	Stable-Stable	0.14	6.46E-06	4.36	1084
Within subject	Stable-Exacerbation	0.19	1.23E-07	5.16	735
Within subject	Exacerbation-Exacerbation	0.10	0.1111851	1.22	151
Between subject	Stable-Stable	0.12	< 1e-10	22.2	36144
Between subject	Stable-Exacerbation	0.13	< 1e-10	20.2	26046
Between subject	Exacerbation-Exacerbation	0.04	0.0004992	3.29	6836

All (clinically reported) exacerbation frequency

Test: Pearson correlation (Student's T-test)

		Unweighted unifracs			
	Comparison	R	P	Z	N
Within subject	All	0.15	< 1e-10	6.39	1970
Between subject	All	0.16	< 1e-10	47	92218
Within subject	Stable-Stable	0.11	2.19E-04	3.52	1084
Within subject	Stable-Exacerbation	0.21	5.88E-09	5.7	739
Within subject	Exacerbation-Exacerbation	-0.04	0.3270812	-0.45	154
Between subject	Stable-Stable	0.13	< 1e-10	28	46516
Between subject	Stable-Exacerbation	0.18	< 1e-10	33.8	36712
Between subject	Exacerbation-Exacerbation	0.19	< 1e-10	18.2	9426

Weighted unfrac				
R	P	Z	N	
0.10428	3.26E-06	4.509	1970	
0.09284	< 1e-10	23.76	69026	
0.07	0.0137189	2.205	1084	
0.05	0.112201	1.215	735	
0.05	0.2955599	0.537	151	
0.12	< 1e-10	22.67	36144	
0.04	1.77E-09	5.904	26046	
-0.05	1.91E-05	-4.12	6836	

Microbiome-associated (sampled) number of exacerbat

Test: Pearson correlation (Student's T-test)

Comparison		R
Within subject	All	0.18
Between subject	All	0.09
Within subject	Stable-Stable	0.20
Within subject	Stable-Exacerbation	0.16
Within subject	Exacerbation-Exacerbation	0.12
Between subject	Stable-Stable	0.09
Between subject	Stable-Exacerbation	0.07
Between subject	Exacerbation-Exacerbation	0.08

Weighted unfrac				
R	P	Z	N	
0.15	< 1e-10	6.53	1970	
0.07	< 1e-10	21.74	92218	
0.12	2.80E-05	4.029	1084	
0.13	0.0001807	3.567	739	
-0.04	0.321436	-0.46	154	
0.07	< 1e-10	14.98	46516	
0.06	< 1e-10	11.92	36712	
0.07	1.33E-10	6.318	9426	

All (clinically reported) number of exacerbations

Test: Pearson correlation (Student's T-test)

Comparison		R
Within subject	All	0.18
Between subject	All	0.13
Within subject	Stable-Stable	0.19
Within subject	Stable-Exacerbation	0.16
Within subject	Exacerbation-Exacerbation	0.03
Between subject	Stable-Stable	0.12
Between subject	Stable-Exacerbation	0.13
Between subject	Exacerbation-Exacerbation	0.12

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Unweighted unifracs				Weighted unifracs			
P	Z	N	R	P	Z	N	
6.66E-16	8.00227	1970	0.07314	0.000799	3.15632	1970	
< 1e-10	22.4553	69026	0.05802	< 1e-10	14.8218	69026	
< 1e-10	6.39996	1084	0.06	0.035426	1.80642	1084	
9.30E-06	4.28117	735	-0.01	0.374137	-0.32092	735	
0.081806	1.39303	151	-0.01	0.468904	-0.07803	151	
< 1e-10	16.1542	36144	0.08	< 1e-10	15.0476	36144	
< 1e-10	11.1744	26046	0.02	3.75E-03	2.67371	26046	
5.49E-10	6.09433	6836	0.00	3.74E-01	-0.32025	6836	

Unweighted unifracs				Weighted unifracs			
P	Z	N	R	P	Z	N	
< 1e-10	7.64676	1977	0.14	2.25E-10	6.23532	1977	
< 1e-10	38.2126	92654	0.02814	< 1e-10	8.30314	92654	
8.88E-10	6.01714	1084	0.12	5.34E-05	3.87459	1084	
5.61E-06	4.39212	739	0.12	0.001009	3.08764	739	
0.34	0.40938	154	-0.04	0.333094	-0.43138	154	
< 1e-10	25.4832	46516	0.02	1.26E-05	4.21329	46516	
< 1e-10	23.7657	36712	0.02	4.03E-05	3.94242	36712	
< 1e-10	11.3903	9426	0.01	1.40E-01	1.08137	9426	

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Supplementary Table S4: Frequency of exacerbation events within Markov chain model

Type of Exacerbation Transition	Average Days Between Events	Standard Deviation
Bacterial to Bacterial	71.0	55.50
Bacterial to non-Bacterial	49.1	33.46
non-Bacterial to Bacterial	81.0	67.63
non-Bacterial to non-Bacterial	59.2	48.28
Viral to Viral	68.7	53.83
Viral to non-Viral	74.9	57.99
non-Viral to Viral	60.3	52.70
non-Viral to non-Viral	68.0	48.88
Eosinophilic to Eosinophilic	56.2	59.00
Eosinophilic to non-Eosinophilic	52.4	41.81
non-Eosinophilic to Eosinophilic	50.8	35.37
non-Eosinophilic to non-Eosinophilic	72.7	57.47

ANOVA p-value
0.07
0.23
0.51