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Effects of sub-lethal concentrations of mupirocin on global transcription in *Staphylococcus aureus* 8325-4 and a model for escape from inhibition --Manuscript Draft--

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Abstract:	<p><i>Staphylococcus aureus</i> is a major pathogen in both hospital and community settings causing infections ranging from mild skin and wound infections to life-threatening systemic illness. Gene expression changes due to the stringent response have been studied in <i>Staphylococcus aureus</i> using lethal concentrations of mupirocin but no studies have investigated the effects of sub-lethal concentrations. <i>S. aureus</i> 8325-4 was exposed to sub-inhibitory concentrations of mupirocin. The production of ppGpp was determined via HPLC and the effects on global transcription were studied by RNAseq analysis. Growth inhibition had occurred after 1 h of treatment and metabolic analysis revealed that the stringent response alarmone ppGpp was detected and GTP concentrations decreased. Transcriptome profiles showed that global transcriptional alterations were similar to those for <i>S. aureus</i> after treatment with lethal concentrations of mupirocin including the repression of genes involved in transcription, translation and replication machineries. Furthermore, up-regulation for genes involved in stress responses, amino acid biosynthesis and transport as well as for some virulence factor genes was observed. However, ppGpp was not detectable after 12 or 24 h and cell growth had resumed although some transcriptional changes remained. Sub-lethal concentrations of mupirocin induce the stringent response but cells adapt and resume growth once ppGpp levels decrease.</p>

1 Effects of sub-lethal concentrations of mupirocin on global transcription in
2 *Staphylococcus aureus* 8325-4 and a model for escape from inhibition

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16 Key Words: Mupirocin; *Staphylococcus aureus*; virulence

17 Short title: Effects of sub-lethal concentrations of mupirocin on *S. aureus*

18

19

20 **Abstract**

21 *Staphylococcus aureus* is a major pathogen in both hospital and community settings
22 causing infections ranging from mild skin and wound infections to life-threatening
23 systemic illness. Gene expression changes due to the stringent response have been
24 studied in *Staphylococcus aureus* using lethal concentrations of mupirocin but no
25 studies have investigated the effects of sub-lethal concentrations. *S. aureus* 8325-4
26 was exposed to sub-inhibitory concentrations of mupirocin. The production of ppGpp
27 was determined via HPLC and the effects on global transcription were studied by
28 RNAseq analysis. Growth inhibition had occurred after 1 h of treatment and
29 metabolic analysis revealed that the stringent response alarmone ppGpp was
30 detected and GTP concentrations decreased. Transcriptome profiles showed that
31 global transcriptional alterations were similar to those for *S. aureus* after treatment
32 with lethal concentrations of mupirocin including the repression of genes involved in
33 transcription, translation and replication machineries. Furthermore, up-regulation for
34 genes involved in stress responses, amino acid biosynthesis and transport as well as
35 for some virulence factor genes was observed. However, ppGpp was not detectable
36 after 12 or 24 h and cell growth had resumed although some transcriptional changes
37 remained. Sub-lethal concentrations of mupirocin induce the stringent response but
38 cells adapt and resume growth once ppGpp levels decrease.

39

40 **Key words:** Mupirocin; RNAseq; *Staphylococcus aureus*; Stringent response;
41 Transcription profiles

42

43 **Introduction**

44 Mupirocin is an antibiotic that is used to treat superficial staphylococcal infections
45 and to clear nasal carriage (Coates *et al.*, 2009). Mupirocin triggers the stringent
46 response *via* inhibition of isoleucine aminoacylation leading to unchanged tRNA
47 accumulation which mimics amino-acid starvation. In *Staphylococcus aureus* and
48 other bacteria this induces the stringent response via to the production of the global
49 regulator (p)ppGpp (Cassels *et al.*, 1995; Anderson *et al.*, 2006). RSH (RelA/SpoT
50 Homologue or Rel in the nomenclature recommended by Mittenhuber (Mittenhuber,
51 2001) is the main enzyme responsible for (p)ppGpp synthesis and hydrolysis in
52 Gram-positive bacteria including *S. aureus* *via* the enzymatic phosphorylation of
53 GDP and GTP to pppGpp using ATP as a phosphate donor (Potrykus & Cashel,
54 2008; Wolz *et al.*, 2010). pppGpp is rapidly hydrolysed by pppGpp
55 phosphohydrolase to ppGpp in *S. aureus* (Hara & Sy, 1983). (p)ppGpp is
56 responsible for regulating global intracellular changes including transcription,
57 translation, replication and virulence factor induction in pathogenic bacteria (Wolz,
58 Geiger *et al.*, 2010) including *S. aureus*. Observations of global alterations in gene
59 transcription after mupirocin treatment have been conducted in previous studies via
60 DNA microarray and these studies used inhibitory (lethal) concentrations of
61 mupirocin for relatively short exposure times, as ppGpp acted as a toxin and treated
62 cells entered the death phase after a few hours of exposure (Geiger *et al.*, 2010;
63 Geiger *et al.*, 2012; Reiß *et al.*, 2012). In addition to direct effects of ppGpp on
64 transcription, indirect mechanisms of action of the ppGpp can occur via the
65 consumption of GTP through (p)ppGpp synthesis. For example, reduction in the
66 concentration of GTP will reduce the repressive activity of CodY and lead to further

67 transcriptional alterations, in particular for genes that are involved in nitrogen and
68 amino acid metabolism and those encoding virulence factors (Sonenshein, 2005).
69 Relatively little is known about the effects of sub-inhibitory concentrations of
70 mupirocin in *S. aureus*. In a previous study the production of some virulence factors
71 was delayed but not completely inhibited (Edwards-Jones & Foster, 1994; Edwards-
72 Jones 1997). In this work, *S. aureus* strain 8325-4 was treated with sub-lethal
73 concentrations of mupirocin and production of ppGpp determined by HPLC and
74 associated global transcriptional alterations were studied *via* high throughput RNA-
75 sequencing which has not been performed in previous studies. In addition,
76 resumption of growth after the stringent response was spotted for first time and
77 observed at the transcriptional level. In this work a model of recovery mechanism
78 from the stringent response is proposed. The implications for therapy with mupirocin
79 are discussed.

80

81 **Materials and methods**

82 *Mupirocin treatment and nucleotide detection*

83 A sub-inhibitory concentration of mupirocin ($0.5 \times \text{MIC} = 0.12 \mu\text{g/ml}$) was added to
84 exponentially growing cells (OD 0.5) of *S. aureus* 8325-4 in Iso-sensitest Broth
85 (Oxoid, Basingstoke, UK) and placed in a rotary incubator at 37°C and 200 r.p.m.
86 Cells were harvested after 1, 12 and 24 h in parallel with control cultures and their
87 OD determined (cultures were diluted when the OD_{600 nm} reading reached 0.7 then
88 multiplied by the dilution factor). Nucleotide extraction was performed following
89 Greenway and England (Greenway & England, 1999) with slight modifications.
90 Bacterial broth (40 ml) was filtered through filter paper (Millipore 0.45 μm pore size),

91 then 5 ml of 2M ice cold formic acid was added to the culture and incubated on ice
92 for 1 h. Cell debris was removed by centrifugation for 10 min at 6000 x g, and the
93 supernatant was filtered through a nitrocellulose membrane (Whatman 0.45 µm pore
94 size). The filtrates were then frozen using liquid nitrogen, dried by lyophilisation
95 (Coolsafe TM, Scancvac) for 48 h and then kept at 4°C. The lyophilised extract was
96 dissolved in 3 ml of highly purified de-ionised distilled water and 1 ml then injected
97 into HPLC (Polaris, Varian) using a Partisil 10 SAX anion exchange column
98 (Whatman) and eluted with a gradient of 7mM K₂HPO₄, pH 4.0 to 0.5 M
99 KH₂PO₄/0.5 M Na₂SO₄, pH 5.4 at a flow rate of 1 ml min⁻¹. The detection wavelength
100 (UV) was 254nm. Nucleotide concentrations were expressed relatively to the cell dry
101 weight.

102 *RNA extraction*

103 Cells were harvested after 1, 12 and 24 h as before. The optical densities were
104 adjusted to 0.5 at 600 nm for normalization then RNAprotect® Bacteria Reagent and
105 RNeasy® Mini Kit (Qiagen) reagents were used to extract total RNA. DNase I
106 (Qiagen) was included in the RNA extraction procedures to avoid DNA
107 contamination. Purity of RNA was verified by Nanodrop spectrophotometer 2000
108 (Thermo Scientific) and accurate RNA concentration measurements were obtained
109 via Qubit™ RNA Assay Kits with a Qubit® 2.0 Fluorometer (Life Technologies,
110 Paisley, UK).

111 *RNA library preparation and sequencing*

112 RNA-seq and data analysis were performed at the Centre for Genomic Research
113 (CGR) at Liverpool University, UK. Non-coding RNAs were depleted from the
114 samples via RiboZero Magnetic kit (Bacteria; Catalogue No. MRZB12424) from

115 Epicentre using 2 µg of starting material. RNA-seq libraries were prepared from 20-
116 25 ng of the enriched material using the Epicentre ScriptSeq v2 RNA-Seq Library
117 Preparation Kit (Catalogue No. SSV21106) and the libraries were purified using
118 AMPure XP beads after 13 cycles of amplification. These final libraries were pooled
119 in equimolar amounts and quantity and quality of each pool was assessed by
120 Bioanalyzer and subsequently by qPCR using the Illumina Library Quantification Kit
121 from Kapa (KK4854) on a Roche Light Cycler LC480II according to the
122 manufacturer's instructions. The resultant pools were sequenced on 3 lanes of the
123 HiSeq 2000 using 2x100 bp paired-end sequencing with v3 chemistry. The mapping
124 tools were Bowtie 2.1.0 using paired-end mapping mode. Analysis software was R
125 version 3.0.1 and edgeR package version 3.0.4.

126 *Data analysis*

127 Three types of analysis were conducted on the expression data results. Firstly,
128 based on log₂ count, sample correlation analysis was performed to examine the
129 variation within sample replicates and between samples groups. Secondly, analysis
130 was made by forming a model of six parameters each parameter is for the mean
131 expression of sample replicates. The parameters were C 1 h, T 1 h, C 12 h, T 12 h ,
132 C 24 h and T 24 h (where C= control and T= culture challenged with mupirocin) then
133 comparison of the expression data of control and test cells for each sample (T1 h/C1
134 h, T12 h/C12 h and T24 h/C24 h) were conducted to identify differentially expressed
135 genes based on a cut off level of ≤5% for False Discovery Rate (FDR) values and 2-
136 fold change in expression (FDR = ≤5% PLUS 2-fold change). Thirdly, comparison of
137 the expression data of test cells parameters (T12 h/T1 h, T24 h/T1 h and T24 h/T12
138 h) were set to identify differentially expressed genes at these time points using the

139 same criteria. The full RNAseq data is given in the accompanying supplementary file
140 Table 1.

141 Gene annotations were obtained from the National Center for Biotechnology
142 Information (NCBI);
143 <http://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?mode=Info&id=93061&I>
144 [vl=3&lin=f&keep=1&srchmode=1&unlock](http://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?mode=Info&id=93061&I)) and further annotations were obtained
145 from the Pathosystem Resource Integration Centre (PATRIC)
146 (<http://patricbrc.vbi.vt.edu/portal/portal/patric/Home>). Gene grouping based on their
147 functions was conducted using the DAVID server
148 (<http://david.abcc.ncifcrf.gov/home.jsp>).

149 **Results**

150 *Effect of sub-inhibitory concentration of mupirocin on cell growth and ppGpp* 151 *production*

152 The effect of a sublethal (0.5 MIC) concentration of mupirocin on growth of *S. aureus*
153 8325-4 is shown in Figure 1. Different times for sampling were chosen h to observe
154 the effect of mupirocin addition on growth and gene expression (1, 12 and 24 h). The
155 1 h time point was in the early exponential phase for the control cells and growth was
156 inhibited after mupirocin addition to test cells. After 12 h control cells were in
157 exponential phase and test cells showed the beginnings of recovery from the
158 stringent response. At 24 h, control cells were in the stationary phase whereas the
159 test cells were in exponential phase. There was a significant effect on growth up to
160 24 h with an apparently prolonged lag phase for the treated cells. After 1 h OD 600
161 _{nm} for control cells reached 1.2 whereas the treated cells remained constant at 0.5, a
162 significant difference (P= 0.02). Then mupirocin had a highly significant effect (P =
163 0.0006) on 12 h cultures as the control cells OD reached 6.5 whereas that of the

164 treated cells was 2.6. After 24 h control cells OD reached 10.4 and the test cells rose
165 to 5.8, significantly lower than the controls ($P = 0.002$) but similar to the OD of 12 h
166 control cells (Figure 1). ppGpp was detected after 1 h exposure to mupirocin (397
167 pmole mgCDW⁻¹) but reduced to 0 after 8 h (not shown) and was still undetectable
168 after 12 or 24 h (Figure 1). ppGpp was not detected in the control cells. GTP was 6.8
169 ± 4.7 nmole mgCDW⁻¹ in control cells and 2.4 ± 1.7 nmole mgCDW⁻¹ in mupirocin
170 treated cells after 1 h then slowly increased to pre-mupirocin levels by 8 h (data not
171 shown). Levels were comparable to control cells after 12 h in mupirocin treated cells.

172

173 *Global gene expression*

174 RNA was extracted from cells treated with mupirocin and controls after 1, 12 and 24
175 h and was analysed by high throughput RNA sequencing to observe the global
176 alterations in transcription. Transcription profiles based on expression level changes
177 for genes were obtained and comparisons of these profiles were made between all
178 samples in order to observe correlation between their transcription profiles and are
179 presented as a heatmap (Figure 2). Each square shows the level of correlation
180 between the corresponding samples where red indicates high correlation and dark
181 blue low correlation. For example, arrow (A) indicates a high level of similarity of the
182 transcriptional profile for control cells at 12 h and the transcriptional profile for cells
183 treated with mupirocin at 24 h. Furthermore, significant similarity of transcriptional
184 profiles occurred among cells treated with mupirocin for samples at 1 and 12 h which
185 indicate similar expression regulation for their genes (arrow B Figure 2). All genes
186 were subjected to a two-fold differential expression cut-off at $FDR \leq 0.05$.

187

188 *Comparison between gene expression in test and controls at different times*

189 *Differential gene expression throughout sublethal mupirocin exposure*

190 Expression data for 2,862 genes was obtained for all three time points. After 1 h of
191 exposure to sublethal concentrations of mupirocin, 869 (30.3%) were differentially
192 expressed between treated samples and controls. 55.12% (n = 479) up-regulated
193 and 44.8% (n = 390) down-regulated.

194 After 12 h of sublethal mupirocin exposure, 967 genes were differentially expressed
195 between treated samples and controls (33.8%, an increase of 3.5% from 1 h). 52.9%
196 (n = 512) of the differentially expressed genes were up-regulated and 47.1% (n=
197 455) were down-regulated.

198 After 24 h of sublethal mupirocin exposure, 1,125 genes were differentially
199 expressed between treated samples and controls (39.3%, an increase of 9% from 1
200 h). Of the differentially expressed genes, 56.6% (n = 637) were up-regulated and
201 43.3% (n = 488) were down-regulated.

202

203 *Distribution of the differentially expressed genes of the test and control cells after 1, 12*
204 *and 24 h.*

205 A Venn diagram of differentially expressed genes between time points is shown in
206 Figure 3. For example, at 1 h 146 genes were up-regulated and 206 were down-
207 regulated, 279 genes were up-regulated and 311 genes were down-regulated at 12 h,
208 and 508 up-regulated and 443 down-regulated at 24 h (Figure 3). 229 up-regulated
209 genes and 142 down-regulated genes were common to both 1 and 12 h, and between 1
210 h and 24 h, 125 up-regulated genes and 43 down-regulated genes were shared,

211 respectively. There were 25 positively regulated and 3 negatively regulated genes that
212 overlapped between 12 h and 24 h.

213 *Functions of uniquely expressed genes*

214 Differentially expressed genes that showed unique regulation at different times were
215 classified for gene function using gene functional classification toll server (DAVID
216 Bioinformatics Resource) and the results are shown in Figure 3. For example, at 1 h
217 up-regulated genes were enriched for functions including cofactors binding, cellular
218 amino acid biosynthetic process and carboxylic acid biosynthetic processes. Down-
219 regulated genes contributed to energy production, coenzyme metabolic biosynthetic
220 process and DNA replication. At 12 h, up-regulated genes were largely involved in
221 ion and cofactor binding, coenzyme metabolic process, nucleotide biosynthetic
222 processes and glycolysis. Down-regulated gene annotations were enriched for terms
223 including cellular carbohydrates biosynthetic process, two component systems, and
224 signal transduction and regulator response. Finally, genes involved in phosphate
225 metabolic process, two component systems, nucleotide binding, GTP binding,
226 energy production and conversion were up-regulated at 24 h and those involved in
227 transcription regulation, cellular response to stress, regulation of RNA metabolic
228 process and DNA binding were down-regulated (Figure 3).

229 *Functions of overlapping expressed genes*

230 Genes which showed overlap in expression (i.e. were either up-or down-regulated at
231 more than one timepoint) were studied in more detail. For example, pairwise
232 comparison of transcriptomes from the 1 and 12 h - long treatments (against control
233 cells) revealed shared up-regulated genes involved in branched chain amino acid

234 (BCAAs) biosynthesis processes, carboxylic acid and nitrogen compound
235 biosynthetic processes, transcription regulation and stress response Figure 3
236 Transcription data for these genes display significant alterations on their regulation
237 during the stringent response (Table 1). Genes down-regulated at both 1 h and 12 h
238 included nucleoside and nucleotide biosynthetic processes and binding, phosphate
239 metabolism processes, trans-membrane and phosphorylation (Figure 3).

240 Genes that were up-regulated at both 1 h and 24 h were involved in functions
241 including cellular amino acid biosynthesis, two component system and pathogenesis.
242 Down-regulated genes at both 1 h and 24 h were involved in carbohydrate metabolic
243 processes, nucleotide and coenzyme binding and lactose metabolism (Figure 3).

244

245 Pairwise comparison of the 12 and 24 h transcriptome data showed shared function
246 of up-regulated genes including transmembrane, amine biosynthetic processes,
247 cellular amino acid biosynthesis, virulence and two component systems.

248 Twenty one 21 genes were up-regulated at all three time points, 10 of which coded
249 unknown function products. The remaining 11 genes were involved in cellular amino
250 acid biosynthesis, virulence and two component systems (Figure 3).

251 Details of the main transcription changes are shown in Table 1 (up-regulated genes)
252 and Table 2 (down-regulated genes). Up-regulated genes after 1 h included large
253 increases in amino-acid biosynthesis and transport, stress response, nitrogen
254 component biosynthetic processes (Table 1), In most cases these were lower
255 increases by 12 h and reduced further by 24 h. Exceptions include for

256 isopropylmalate isomerase and isoleucyl tRNA synthetase which were still
257 upregulated more than 5 fold over the control cultures (Table 1).

258 Genes that were down regulated after 1 h of mupirocin treatment were those
259 involved in DNA replication, carbohydrate metabolism, protein synthesis and
260 nucleotide metabolism. Most of these were upregulated again by 24 h (Table 2).

261 *Expression of genes that facilitate the recovery from stringent response after*
262 *mupirocin treatment*

263 The slow increase in growth that occurred after 12 h exposure to sub-lethal
264 concentrations of mupirocin was associated with decreased level of RSH transcript
265 and ppGpp was not detected at 12 h. Furthermore, activation of genes involved in
266 transcription, translation, replication, energy production and transport were seen in
267 the transcriptome data for 12 h, 24 h or both. In addition, the gene encoding *lleS*
268 (*SAOUHSC_01159*) was up-regulated at 1, 12 and 24 h (9.7, 4.3 and 5.2 fold)
269 respectively (Table 1). Moreover, up-regulation for genes involved in branched chain
270 amino acid (isoleucine, valine and leucine) biosynthesis and metabolism processes,
271 as well as genes coding for proteases and amino acid transport had occurred and
272 more than 30 genes that encoded for ribosomal proteins were significantly up-
273 regulated after 24 h. The transcriptome data also showed slight but not all significant
274 up-regulation of genes that contribute to GTP synthesis at 12 and 24 h including
275 *HprT* (1.1 fold and 1.5 fold), and *GmK* (1.2 fold and 2.5 fold) respectively.

276 **Discussion**

277 The sub-lethal concentration of mupirocin induced the stringent response and ppGpp
278 was present after 1 h but was undetectable after 4 h (data not shown). The changes

279 in gene expression observed after 1 h treatment were broadly similar to those
280 reported using DNA microarrays and lethal concentrations of mupirocin (Anderson *et*
281 *al.*, 2006; Geiger, *et al.*, 2010; Geiger,,*et al.*, 2012). However, the observation that
282 changes in gene expression occur 12 and 24 h after exposure to mupirocin has not
283 been observed before and show that transcription changes still occur even after the
284 cells have apparently recovered from the stringent response. The transcription of the
285 gene that is responsible for ppGpp synthesis, *rsh* was increased 1.2 fold relatively to
286 the control at 1 h. Although this was not a significant increase in the expression
287 according to the criteria used here, ppGpp production reached significant levels in
288 comparison to control condition and the low level of expression might be related to
289 the level of the stringent response caused by the sublethal concentration of
290 mupirocin. In *S. aureus* there are two additional genes *RelP* and *RelQ* that code for
291 proteins that synthesise ppGpp. However, the expression of *RelQ* and *RelP* genes
292 was down-regulated at 1 h (1, 1.4 fold) respectively. Recent works for Geiger and his
293 research group claimed the *RelQ* and *RelP* were not active during amino acid
294 starvation and mupirocin exposure (Geiger *et al.*, 2012; Geiger *et al.*, 2010) but had
295 a significant role in mediating tolerance against cell envelope stress after exposure
296 to cell wall-active antibiotics such as ampicillin and vancomycin (Geiger *et al.*, 2014).
297 Up-regulation of genes that are involved in amino acid biosynthesis, transcription
298 regulation, stress response, virulence factors and the down-regulation of genes that
299 contribute to transcription, translation and replication are in agreement with previous
300 observations using lethal concentrations of mupirocin (Anderson *et al.*, 2006;
301 Geiger,*et al.*, 2010; Geiger *et al.*, 2012; Reiß,,*et al.*, 2012), and supports the view
302 that the sublethal concentration of mupirocin used here was capable of triggering the

303 stringent response during at least 1 h of treatment which has not been reported in
304 previous studies.

305 Significant growth inhibition was seen at 1h after mupirocin exposure compared to
306 control cells this was due to ppGpp influencing on DNA replication as has been
307 shown in *B. subtilis* and *E.coli* (Schreiber *et al.*, 1995a; Levine *et al.*, 1991).

308 However, the effective mechanism of ppGpp on DNA replication in *S. aureus* is
309 unknown at the present, but transcriptome profile for the treated cell at 1 h showed
310 down-regulation for genes that are involved in nucleoside biosynthetic processes
311 and DNA replication including genes coding for replication initiation proteins and
312 DNA gyrase subunit A-B (Table 2) and these findings are in line with the decreased
313 cell density seen in figure 1 at 1 h in treated cells compared to controls. In addition,
314 two genes coding for toxin/antitoxin systems were up-regulated at 1 h which is in
315 agreement with (Reiß *et al.*, 2012) however, positive transcription for them had
316 occurred at 12 h despite the increasing cells OD and that might be a case of
317 opposite regulation between transcription and translation for them but this would
318 need to be confirmed by proteomics.

319 In this study RNA-seq technology was used to obtain a comprehensive view of the
320 effect of the stringent response on *S. aureus* 8325-4 transcription. However, the data
321 revealed that the highest proportions (63.8%), of up-regulated genes during the
322 stringent response at 1 h encoded hypothetical proteins and this finding is in line with
323 (Reiß *et al.*, 2012) which reflects the lack of knowledge of the stress response
324 process. .

325 During the stringent response induced by inhibitory concentrations of mupirocin the
326 GTP concentration in the intracellular pool was also reduced through the (p)ppGpp

327 synthesis process. In *B.subtilis* most of the rRNA gene transcription starts with
328 guanosine nucleotides, expression of which can consequently be influenced by GTP
329 intracellular levels (Krásný & Gourse, 2004). Transcriptional start of two rRNA
330 operons in *S. aureus* have been mapped and have confirmed GTP's role in initiating
331 their primary promoters, which can explain the effects of low GTP concentrations on
332 their expression (Krásný *et al.* 2008; Geiger *et al.*, 2012). Furthermore, decreased
333 GTP concentrations caused by mupirocin treatment would decrease the
334 concentration of *CodY*–GTP complex, resulting in de-repression for amino acid
335 biosynthesis and transport genes as well as many virulence factors genes in *S.*
336 *aureus* (Hughes & Mellows, 1978; Majerczyk *et al.*, 2010). Quorum sensing,
337 particularly the *agr* locus and other virulence genes, are clearly influenced during
338 stringent response as a result of *CodY* deactivation, which might explain the
339 correlation between nutrient limitation and enhanced expression of virulence factors
340 during the stringent response.

341 However, recovery from the stringent response was observed as the treated cells
342 slowly returned to growth associated with decreased level of *rsh* transcript and
343 ppGpp was not detected at 4 or 12 h. A model for the inhibition and escape from
344 inhibition is shown in Figure 4. The reason for down-regulated transcription of *rsh* is
345 not clear yet but it is possible that stopping ppGpp synthesis can be achieved via
346 reducing the concentration of its inducer, deacylated tRNA, in the A-site of ribosome
347 that is caused by mupirocin treatment. Mupirocin works as a reversible competitive
348 enzyme inhibitor that inhibits the synthesis of the isoleucyl-tRNA^{Ile}. Recovery from
349 such competitive enzyme inhibitor effect can be achieved via increasing either the
350 concentration of the targeted enzyme, *IleS*, or its substrate, isoleucine (Hughes &
351 Mellows, 1978). Here, the gene coding for *IleS* (*SAOUHSC_01159*) was up-

352 regulated at 1, 12 and 24 h (9.7, 4.3 and 5.2 fold) respectively, which may suggest
353 that a cell treated with mupirocin is trying to overcome the inhibitory effect of
354 mupirocin by producing higher concentrations of IleS enzyme than its inhibitor. In
355 addition, up-regulation for genes that are involved in isoleucine, valine and leucine
356 biosynthesis and metabolism processes was reported here which is in agreement
357 with Reiß and colleagues when they reported early increase of branched chain
358 amino acids after 30 min of treatment with lethal concentrations of mupirocin *et al.*,
359 2012). Furthermore, up-regulation for genes that coding for proteases and amino
360 acid transport had occurred which supports the suggestion that *S. aureus* tries to
361 compensate for the lack of amino acids *via* biosynthesis as well as through importing
362 amino acids from the surrounding environment or host tissue. Hydrolysis will also
363 decrease ppGpp concentrations which will be complete if synthesis is inhibited.
364 Activation of genes that are involved in transcription, translation, replication, energy
365 production and transport were seen in the transcriptome data for either or both 12 h
366 and 24 h and reflects cell growth at these times. An early study on *E. coli* stringent
367 response claimed that cessation of (p)ppGpp synthesis and accumulation would
368 occur as long as ribosomes are actively engaged in protein synthesis which might
369 explain the undetectable (p)ppGpp at 12 and 24 h (Cashel & Gallant, 1969). This
370 finding along with the heatmap results which show a similar transcriptome profile
371 between 12 h control cells and 24 h test cells again suggests cell recovery from the
372 effects of the stringent response and recommencing growth.

373 In conclusion, sub-inhibitory concentrations of mupirocin were able to trigger the
374 stringent response in *S. aureus* 8325-4 at 1 h and a high proportion of the up-
375 regulated genes during the stringent response encoded proteins of unknown
376 functions. The results show that strain 8325-4 is able to react during the stringent

377 response despite being deficient in sigma factor B (sigB) as the majority of the
378 previously reported changes on a strain without the rsbU deletion after treatment
379 with lethal concentrations of mupirocin were repeated here. Early report by Crosse
380 and colleagues showed the ability of *S.aureus* 8325-4 to trigger stringent response
381 despite being deficient in sigma factor B (sigB) (Crosse *et al.*, 2000) which is in line
382 with this work and support the proposal that (sigB) is not the major factor in
383 mediating the stringent response. Triggering the stringent response by sub-lethal
384 concentration of mupirocin appears to induce IleS production in an attempt to
385 compete with mupirocin which is sufficient to lead to prevention of ppGpp synthesis
386 and accumulation after 4 h. The concentration of ppGpp would also be reduced by
387 hydrolysis. This is different from lethal concentrations of mupirocin that resulted in
388 cell death after a few hours of exposure in previous studies because of the toxic
389 nature of ppGpp. Consequently, the treated cells survived and recovered from the
390 stringent response and resumed growth at 12 and 24 h. Regulation of virulence
391 genes in *S.aureus* during the stringent response is related to the GTP intracellular
392 level and *CodY* regulatory protein.

393 The results obtained in this study showed that, as may occur in infections treated
394 with mupirocin, there was enhanced expression of virulence genes. This and the
395 implications for therapy with mupirocin will be investigated in detail in a second
396 publication. However, the suggested recovery mechanism for resumed growth by
397 reduction of ppGpp levels might be a useful drug target e.g. by maintaining ppGpp
398 levels by inhibition of the hydrolase activity.

399

400 **Supplementary Files**

401 The full RNAseq data is given in supplementary Table 1.

402 **Acknowledgements**

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406

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410

411 **Transparency declarations**

412 None to declare.

413

414 **References**

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490 **Table 1 Increases in transcription of genes involved in important functions following**
 491 **exposure to sub-lethal concentrations of mupirocin**

Locus tag	Gene function	Fold change in gene expression		
		1 h	12 h	24 h
Amino acid biosynthesis and transport				
SAOUHSC_02288	Isopropylmalate isomerase small subunit lueD	47.1	1.12	5.1
SAOUHSC_01396	Dihydrodipicolinate synthase	24.8	3.05	3.4
SAOUHSC_01395	Aspartate semialdehyde dehydrogenase	19.3	3.3	2.6
SAOUHSC_01322	Homoserine kinase	17.3	2.5	1.8
SAOUHSC_01397	Dihydrodipicolinate reductase	15.9	2.8	2.25
SAOUHSC_01321	Threonine synthase	13.6	2.8	-1.4
SAOUHSC_01159	Isoleucyl-tRNA synthetase	9.7	4.3	5.2
SAOUHSC_01319	Aspartate kinase	6.7	4.2	-1.6
SAOUHSC_02741	Amino acid ABC transporter permease	3.9	3.1	1.4
SAOUHSC_02743	Amino acid ABC transporter permease	3.2	2.6	-1.3
SAOUHSC_02742	Amino acid transporter	3	2.3	1
SAOUHSC_00536	Branched-chain amino acid aminotransferase	2.1	3.7	-1.6
Carboxylic acid biosynthetic processes				
SAOUHSC_01398	Tetrahydropyridine-2-carboxylate N-succinyltransferase	20.8	2.1	2.2
SAOUHSC_01395	Aspartate semialdehyde dehydrogenase	19.3	3.2	2.6
SAOUHSC_01319	Aspartate kinase	6.7	4.2	-1.6
SAOUHSC_02244	Succinyl-diaminopimelate desuccinylase	2.1	3.4	1.3
SAOUHSC_02716	Dethiobiotin synthase	2.1	4.7	-16.9
SAOUHSC_01635	Shikimate kinase	2	2.2	1.5
Stress response				
SAOUHSC_00715	response regulator	22.6	2.8	4.6
SAOUHSC_02757	Toxin/antitoxin system protein	16.5	8.8	-10.3

SAOUHSC_01819	Universal stress protein	13.6	2.7	-1.04
SAOUHSC_00992	MarR family transcriptional regulator	8.9	9.5	-2
SAOUHSC_02692	Toxin/antitoxin system protein	8.3	5.6	-6.3
SAOUHSC_00934	Transcriptional regulator Spx	4.7	1.8	3
SAOUHSC_01685	Heat-inducible transcription repressor hrca	4.2	38.8	-59.7
SAOUHSC_01281	Host factor 1 protein	3.6	-1.4	1.4
SAOUHSC_02664	Transcriptional regulator	2.7	1.5	1.8
SAOUHSC_00505	Endopeptidase	2.5	37.5	-97
SAOUHSC_00935	Adaptor protein	2.5	9.4	-9.4

Nitrogen component biosynthetic processes

SAOUHSC_01395	Aspartate semialdehyde dehydrogenase	19.3	3.3	2.6
SAOUHSC_01397	Dihydrodipicolinate reductase	15.9	2.8	3.2
SAOUHSC_01321	Threonine synthase	13.6	2.8	-1.4
SAOUHSC_02244	Succinyl-diaminopimelate desuccinylase	2.1	3.4	1.3
SAOUHSC_02716	Dethiobiotin synthase	2	4.7	-16.9

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Locus tag	Gene function	Fold change in gene expression
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Table 2 decrease in transcription of genes involved in important functions following exposure to sub-lethal concentrations of mupirocin

		1 h	12 h	24 h
Replication				
SAOUHSC_00006	DNA gyrase subunit A	-4.6	1.19	-1.5
SAOUHSC_02316	DEAD-box ATP dependent DNA helicase	-3.6	-4.3	-1.01
SAOUHSC_01148	cell division protein	-3.2	-6.4	4.6
SAOUHSC_00005	DNA gyrase subunit B	-3.2	1.2	-2.2
SAOUHSC_00456	DNA replication initiation control protein YabA	-3.2	-2.9	2.45
SAOUHSC_01352	DNA topoisomerase IV subunit A	-2.6	-4.2	2.8
SAOUHSC_01351	DNA topoisomerase IV subunit B	-2.5	-3.1	2.3
SAOUHSC_01472	DnaQ family exonuclease DinG family helicase	-2.4	-1.33	-1.6
SAOUHSC_02123	ATP-dependent DNA helicase PcrA	-2.3	-1.25	1.03
SAOUHSC_01615	DNA repair protein RecN	-2.3	-3.3	-1.8
SAOUHSC_01750	Holliday junction DNA helicase RuvB	-2.3	-2.8	1.6
SAOUHSC_02122	NAD-dependent DNA ligase	-2.1	-1.4	1.4
SAOUHSC_02811	GTP pyrophosphokinase RelP	-1.41	- 8.4	4.4
SAOUHSC_00942	GTP pyrophosphokinase RelQ	-1.06	2.2	-1.8
Carbohydrate metabolism				
SAOUHSC_02455	Galactose-6-phosphate isomerase subunit LacA	-11.3	1.2	-5.2
SAOUHSC_02454	Glactose-6-phosphate isomerase subunit LacB	-7.6	-1.5	-3.2
SAOUHSC_02926	Fructose-1%2C6-bisphosphate aldolase	-6.8	2.3	-5.6
SAOUHSC_02450	PTS system lactose-specific transporter subunit IIBC	-4.9	1.1	-2.3
SAOUHSC_01646	Glucokinase	-2.9	-1.9	2
SAOUHSC_03023	Lactonase Drp35	-2.8	1.6	-2.3
SAOUHSC_00900	Glucose-6-phosphate isomerase	-2.4	5	-3.6
SAOUHSC_01806	Pyruvate kinase	-2.1	-3.1	2.3
Protein synthesis				
SAOUHSC_00611	Histidyl-tRNA synthetase	-6	-2.6	2

SAOUHSC_01737	Tyrosyl-tRNA synthetase	-5.5	-5.5	3.4
SAOUHSC_01738	Aspartyl-tRNA synthetase	-5.1	-3	2.7
SAOUHSC_01839	Leucyl-tRNA synthetase	-4	-2.3	2
SAOUHSC_01875	Aspartyl glutamyl-tRNA amidotransferase subunit B	-3.7	-3.7	4
SAOUHSC_02116	Aspartyl glutamyl-tRNA amidotransferase subunit A	-3.6	-3.5	3.6
SAOUHSC_02117	Phenylalanyl-tRNA synthetase subunit alpha	-3.5	1.2	2
SAOUHSC_01246	Translation initiation factor IF-2	2.8	1.6	1.2
SAOUHSC_02118	Aspartyl glutamyl-tRNA amidotransferase subunit C	-2.6	-2.9	2.8
SAOUHSC_01092	Arginyl-tRNA synthetase	-2.2	-2.4	3.3
SAOUHSC_01093	Phenylalanyl-tRNA synthetase subunit beta	-2.1	1.3	2.3

Nucleotide transport and metabolism

SAOUHSC_02380	Purine nucleoside phosphorylase	-6.7	-1.9	2.4
SAOUHSC_01743	CTP synthetase	-5.9	-6.2	5.6
SAOUHSC_00485	Hypoxanthine phosphoribosyltransferase	-2.8	-1.7	1.2
SAOUHSC_02368	Adenine phosphoribosyltransferase	-2.3	-3.04	3.5

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552 **Legends to figures**

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554 **Figure 1 effects of the sublethal concentration of mupirocin on the growth and**
555 **ppGpp production by *Staphylococcus aureus* 8325-4**

556 Grey bars, OD₆₀₀ mupirocin treated; black bars, OD₆₀₀ controls; white bar, ppGpp
557 concentration. Results are means from three independent replicates and the error
558 bars represent standard error for cell density and standard deviation for ppGpp level.

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561 **Figure 2 Sample correlation heatmap based on changes in gene expression of**
562 ***S.aureus* 8325-4 treated with a sub-lethal concentration of mupirocin (T) for 1,**
563 **12 and 24 h compared with control samples (C) at the same times.**

564 Arrows: A indicates a high level of similarity of the transcriptional profile for control
565 cells at 12 h and for cells treated with mupirocin at 24 h. Arrow B shows similarity of
566 transcriptional profiles of cells treated with mupirocin after 1 and 12 h.

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569 **Figure 3 Differentially expressed genes of *S.aureus* 8325-4 treated with sub-**
570 **lethal concentration of mupirocin for 1, 12 and 24 h compared with control**
571 **(non- treated) samples for each time point. Key: Up-regulated red, down-**

572 **regulated in black. All genes were subjected to a twofold differential expression cut-**
573 **off at FDR ≤ 0.05 , DE =differentially expressed, T= mupirocin treated and C=**
574 **controls.**

575 Functional groups;(a) cellular amino acid biosynthesis, virulence, two component
576 systems and unknown functions, (b) virulence, oxidation reduction, cofactors binding,
577 cellular amino acid biosynthetic process, amine and carboxylic acid biosynthetic
578 processes,(c) amino acid biosynthesis and transport,carboxylic acid, nitrogen
579 compound biosynthetic processes, transcription regulation and stress response,(d)
580 ion and cofactors binding, coenzyme metabolic process, nucleotide biosynthetic
581 processes,(e) transmembrane phosphotransferase and unknown functions,(f)
582 phosphate metabolic process, two component system, nucleotide binding, tRNA
583 metabolic process, GTP binding, energy production and conversion, (g)
584 phosphatase,(h) nucleotide and ion binding, energy production, coenzyme metabolic
585 biosynthetic process and DNA replication,(i) nucleoside biosynthetic processes and
586 binding, phosphate metabolism processes, trans-membrane and phosphorylation,(j)
587 cellular carbohydrates biosynthetic process, two component system signal

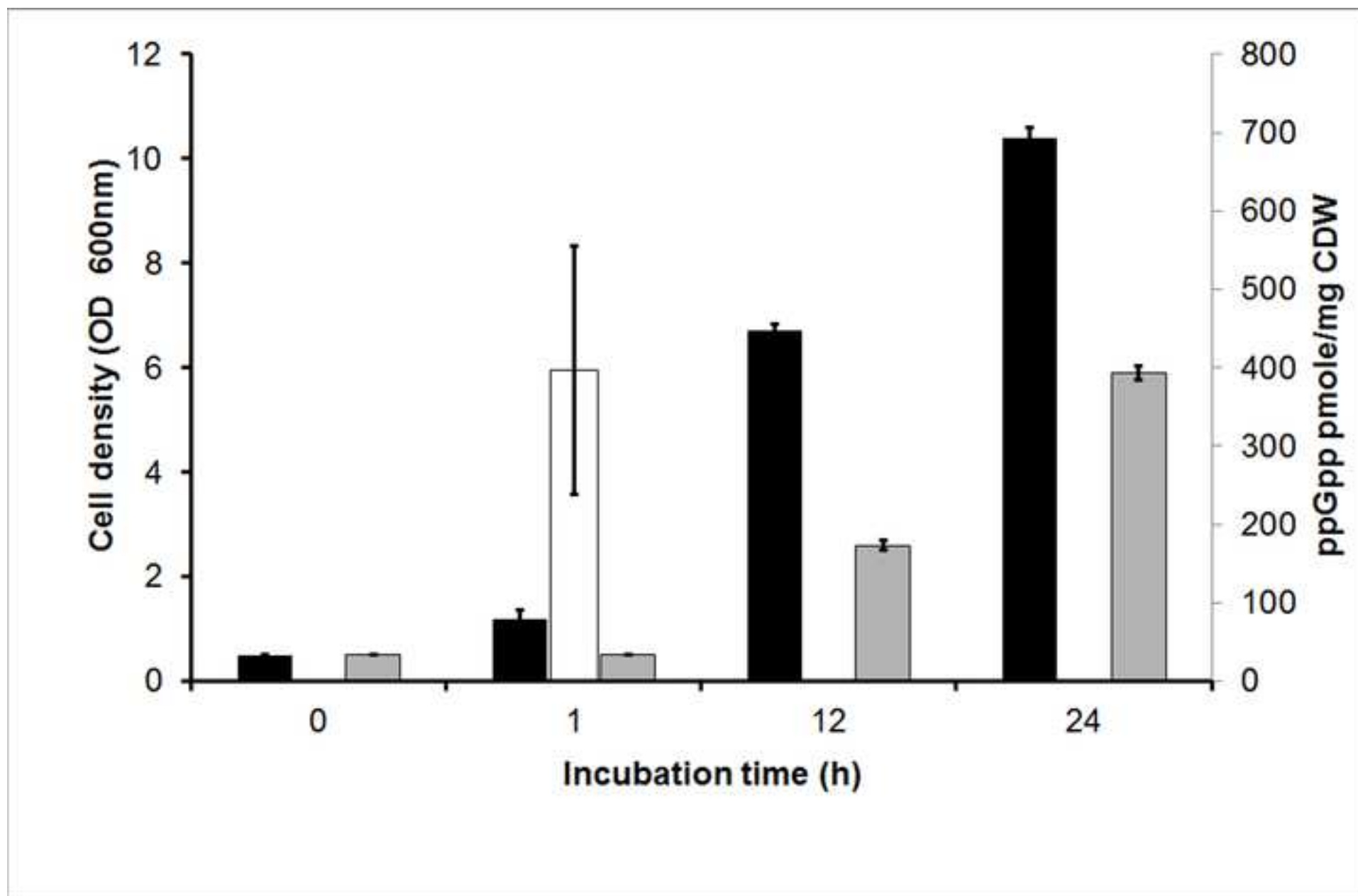
588 transduction and regulator response,(k)phosphatases and arginine repression(l)
589 transcription regulation, cellular response to stress, regulation of RNA metabolic
590 process and DNA binding.

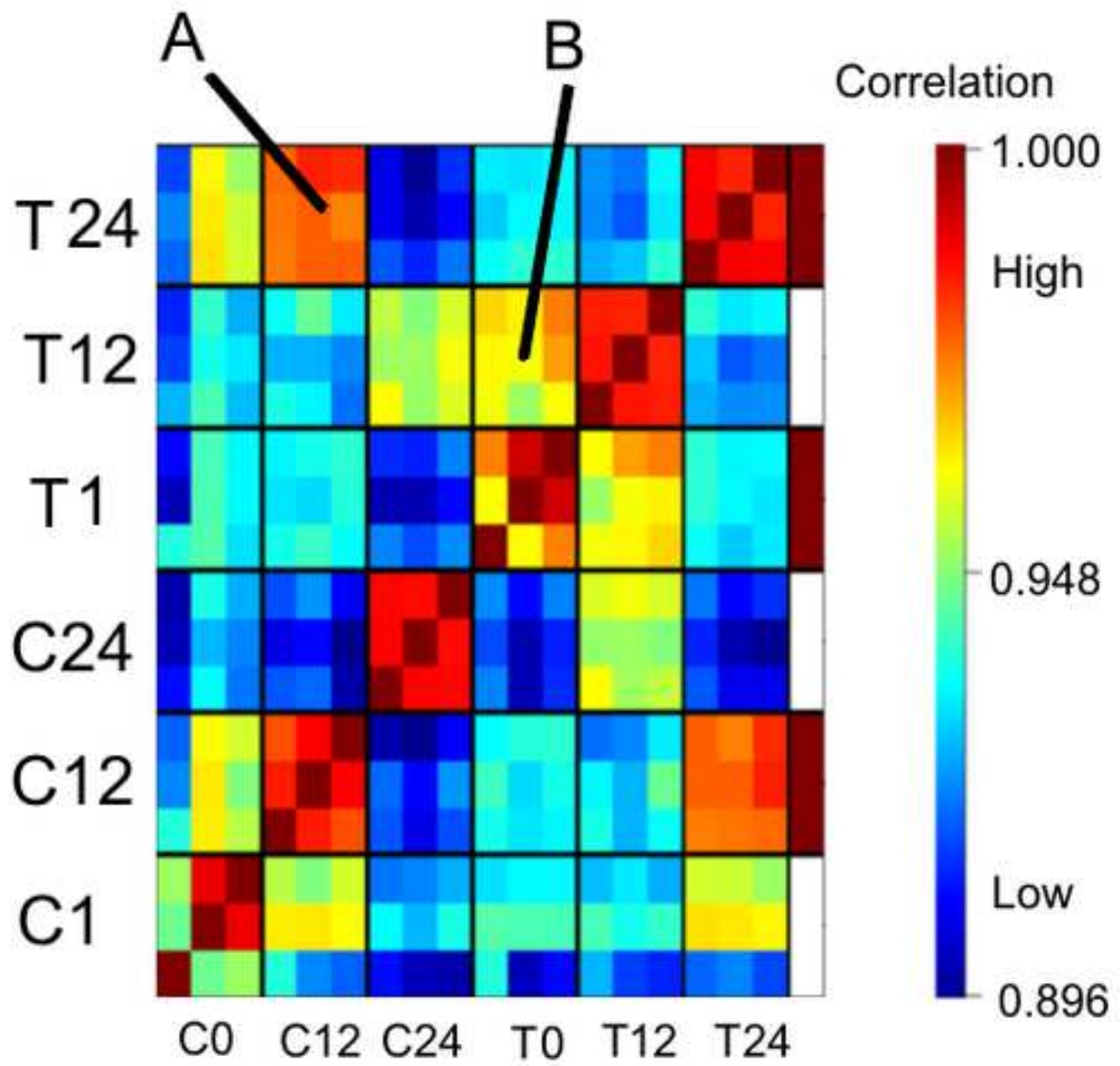
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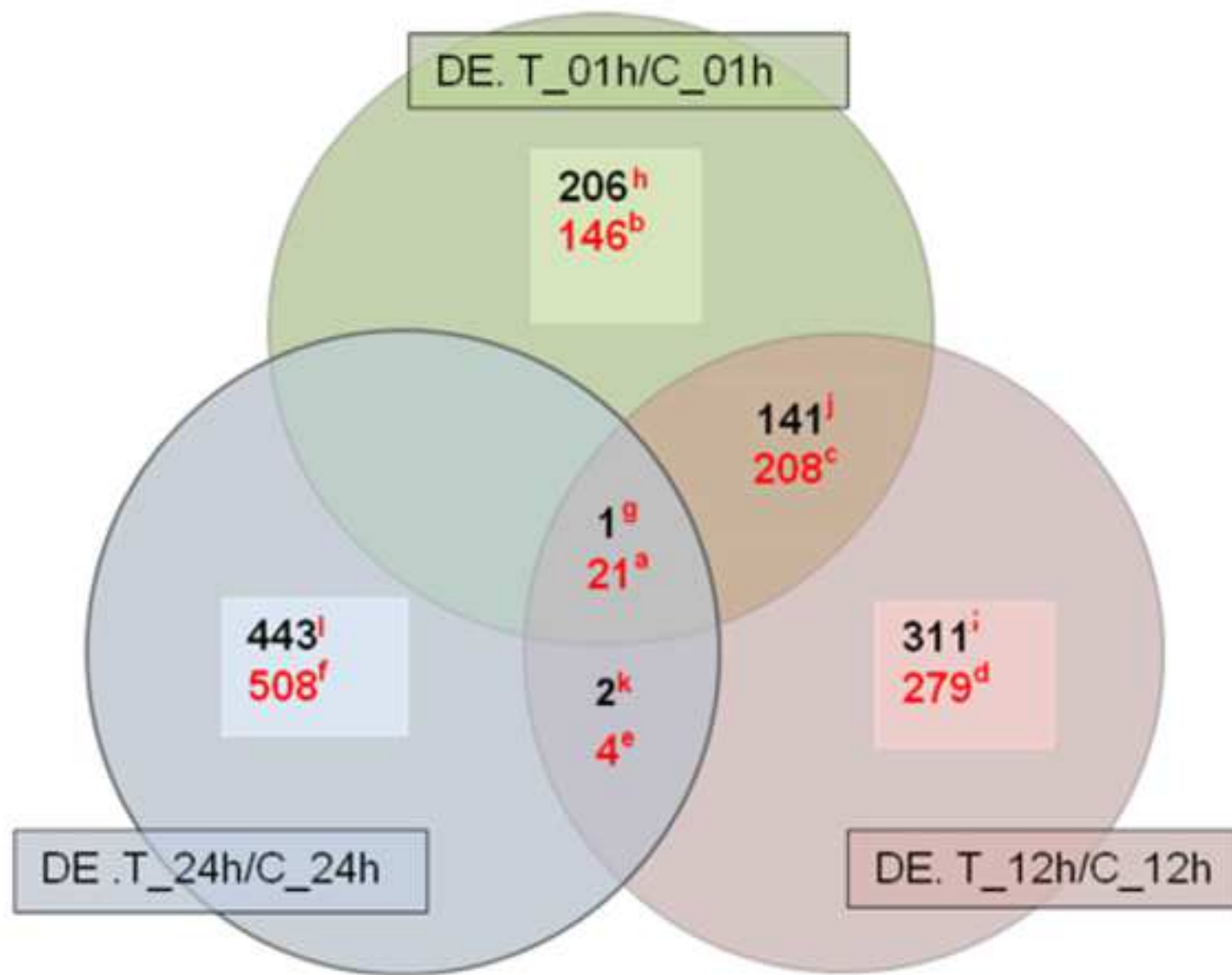
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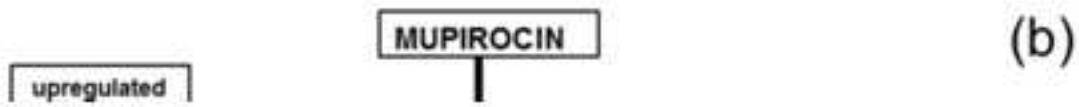
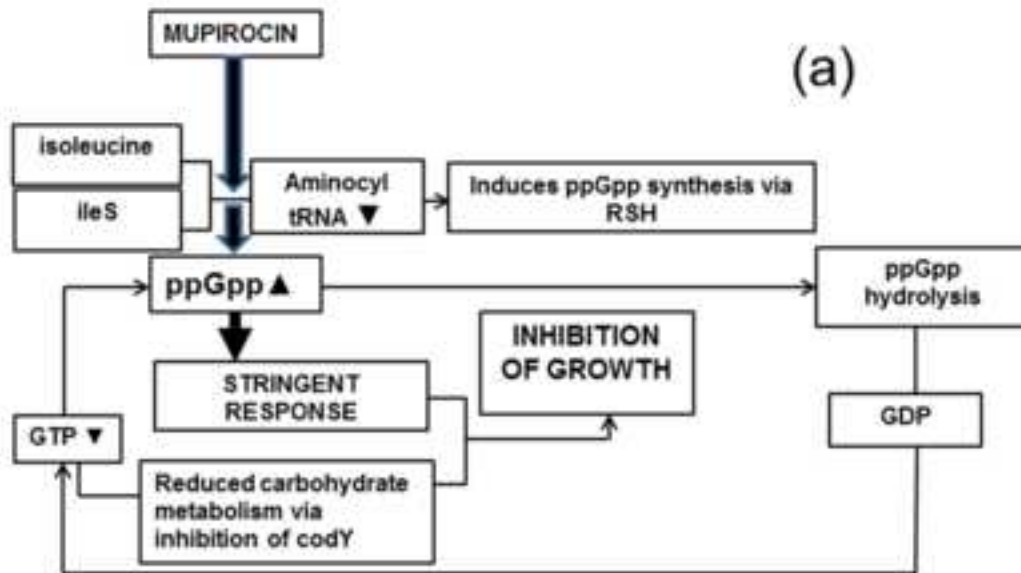
593 **Figure 4 model for the escape from inhibition after exspusre to sub-lethal**
594 **concentration of mupirocin**

595 (a) uncharged tRNA caused by mupirocin induces ppGpp sythesis which reduces
596 GTP concentration resulting in growth inhibition. (b) antagonism of mupirocin effect
597 via up-regulation of *ileS* and increase of GTP synthesis leads to ppGpp hydrolysis,
598 restoring the translation machinary activities and resumption of growth.









Sheet1

locus_tag	fnaRef	start	end	length	Name	Dbxref
SAOUHSC_00001	NC_007795.1	517	1878	1362	dnaA	GeneID:3919798
SAOUHSC_00002	NC_007795.1	2156	3289	1134	SAOUHSC_00002	GeneID:3919799
SAOUHSC_00003	NC_007795.1	3670	3915	246	SAOUHSC_00003	GeneID:3919176
SAOUHSC_00004	NC_007795.1	3912	5024	1113	recF	GeneID:3919177
SAOUHSC_00005	NC_007795.1	5034	6968	1935	SAOUHSC_00005	GeneID:3919178
SAOUHSC_00006	NC_007795.1	7005	9668	2664	SAOUHSC_00006	GeneID:3919179
SAOUHSC_00007	NC_007795.1	9755	10456	702	SAOUHSC_00007	GeneID:3919180
SAOUHSC_00008	NC_007795.1	10893	12407	1515	SAOUHSC_00008	GeneID:3919181
SAOUHSC_00009	NC_007795.1	12786	14072	1287	SAOUHSC_00009	GeneID:3919182
SAOUHSC_00010	NC_007795.1	14722	15417	696	SAOUHSC_00010	GeneID:3919183
SAOUHSC_00012	NC_007795.1	15414	15743	330	SAOUHSC_00012	GeneID:3919184
SAOUHSC_00013	NC_007795.1	16106	17074	969	SAOUHSC_00013	GeneID:3919185
SAOUHSC_00014	NC_007795.1	17365	18303	939	SAOUHSC_00014	GeneID:3919186
SAOUHSC_00015	NC_007795.1	18318	20285	1968	SAOUHSC_00015	GeneID:3919187
SAOUHSC_00017	NC_007795.1	20282	20734	453	rpII	GeneID:3919188
SAOUHSC_00018	NC_007795.1	20766	22166	1401	SAOUHSC_00018	GeneID:3919189
SAOUHSC_00019	NC_007795.1	22444	23727	1284	SAOUHSC_00019	GeneID:3919190
SAOUHSC_00020	NC_007795.1	24931	25632	702	SAOUHSC_00020	GeneID:3919191
SAOUHSC_00021	NC_007795.1	25645	27471	1827	SAOUHSC_00021	GeneID:3919192
SAOUHSC_00022	NC_007795.1	27515	28798	1284	SAOUHSC_00022	GeneID:3919193
SAOUHSC_00023	NC_007795.1	28799	29587	789	SAOUHSC_00023	GeneID:3919194
SAOUHSC_00024	NC_007795.1	29977	30777	801	SAOUHSC_00024	GeneID:3919195
SAOUHSC_00025	NC_007795.1	31005	33323	2319	SAOUHSC_00025	GeneID:3919293
SAOUHSC_00026	NC_007795.1	33555	34034	480	SAOUHSC_00026	GeneID:3919294
SAOUHSC_00027	NC_007795.1	33691	34170	480	SAOUHSC_00027	GeneID:3919295
SAOUHSC_00028	NC_007795.1	34375	34509	135	SAOUHSC_00028	GeneID:3919296
SAOUHSC_00029	NC_007795.1	34473	34565	93	SAOUHSC_00029	GeneID:3919297
SAOUHSC_00030	NC_007795.1	34712	36457	1746	SAOUHSC_00030	GeneID:3919298
SAOUHSC_00031	NC_007795.1	36551	37003	453	SAOUHSC_00031	GeneID:3919299
SAOUHSC_00032	NC_007795.1	37019	37120	102	SAOUHSC_00032	GeneID:3919300
SAOUHSC_00033	NC_007795.1	37218	37973	756	SAOUHSC_00033	GeneID:3919301
SAOUHSC_00034	NC_007795.1	37973	38233	261	SAOUHSC_00034	GeneID:3919302
SAOUHSC_00035	NC_007795.1	38370	39437	1068	SAOUHSC_00035	GeneID:3919303
SAOUHSC_00036	NC_007795.1	39468	40802	1335	SAOUHSC_00036	GeneID:3919304
SAOUHSC_00037	NC_007795.1	40821	42014	1194	SAOUHSC_00037	GeneID:3919305
SAOUHSC_00038	NC_007795.1	42281	42382	102	SAOUHSC_00038	GeneID:3919306
SAOUHSC_00039	NC_007795.1	42681	43613	933	SAOUHSC_00039	GeneID:3919307
SAOUHSC_00040	NC_007795.1	43976	44179	204	SAOUHSC_00040	GeneID:3919308
SAOUHSC_00041	NC_007795.1	44228	44524	297	SAOUHSC_00041	GeneID:3919309
SAOUHSC_00042	NC_007795.1	44596	45816	1221	SAOUHSC_00042	GeneID:3919310
SAOUHSC_00043	NC_007795.1	45809	46360	552	SAOUHSC_00043	GeneID:3919311
SAOUHSC_00044	NC_007795.1	46473	47333	861	SAOUHSC_00044	GeneID:3919077
SAOUHSC_00045	NC_007795.1	47689	48222	534	SAOUHSC_00045	GeneID:3919078
SAOUHSC_00046	NC_007795.1	48313	49056	744	SAOUHSC_00046	GeneID:3919079
SAOUHSC_00047	NC_007795.1	49490	50092	603	SAOUHSC_00047	GeneID:3919080
SAOUHSC_00049	NC_007795.1	50359	53511	3153	SAOUHSC_00049	GeneID:3919081
SAOUHSC_00050	NC_007795.1	53568	54050	483	SAOUHSC_00050	GeneID:3919082
SAOUHSC_00051	NC_007795.1	54255	55241	987	SAOUHSC_00051	GeneID:3919083
SAOUHSC_00052	NC_007795.1	55462	56232	771	SAOUHSC_00052	GeneID:3919084
SAOUHSC_00053	NC_007795.1	56284	57054	771	SAOUHSC_00053	GeneID:3919085
SAOUHSC_00054	NC_007795.1	57118	57888	771	SAOUHSC_00054	GeneID:3919086
SAOUHSC_00055	NC_007795.1	57955	58722	768	SAOUHSC_00055	GeneID:3919087
SAOUHSC_00056	NC_007795.1	58855	61053	2199	SAOUHSC_00056	GeneID:3919088
SAOUHSC_00057	NC_007795.1	61204	62382	1179	SAOUHSC_00057	GeneID:3919089

Sheet1

SAOUHSC_00058	NC_007795.1	62384	63772	1389	SAOUHSC_00058	GeneID:3919090
SAOUHSC_00060	NC_007795.1	64265	65926	1662	SAOUHSC_00060	GeneID:3919091
SAOUHSC_00061	NC_007795.1	66252	68027	1776	SAOUHSC_00061	GeneID:3919092
SAOUHSC_00062	NC_007795.1	68201	69073	873	SAOUHSC_00062	GeneID:3919093
SAOUHSC_00064	NC_007795.1	69186	70583	1398	SAOUHSC_00064	GeneID:3919094
SAOUHSC_00065	NC_007795.1	70773	71246	474	SAOUHSC_00065	GeneID:3919095
SAOUHSC_00067	NC_007795.1	71508	73100	1593	SAOUHSC_00067	GeneID:3919096
SAOUHSC_00069	NC_007795.1	73429	74979	1551	SAOUHSC_00069	GeneID:3919448
SAOUHSC_00070	NC_007795.1	75400	76152	753	SAOUHSC_00070	GeneID:3919449
SAOUHSC_00071	NC_007795.1	76521	77435	915	SAOUHSC_00071	GeneID:3919450
SAOUHSC_00072	NC_007795.1	77516	78511	996	SAOUHSC_00072	GeneID:3919451
SAOUHSC_00074	NC_007795.1	78527	79519	993	SAOUHSC_00074	GeneID:3919452
SAOUHSC_00075	NC_007795.1	79885	80730	846	SAOUHSC_00075	GeneID:3919453
SAOUHSC_00076	NC_007795.1	80727	81737	1011	SAOUHSC_00076	GeneID:3919454
SAOUHSC_00077	NC_007795.1	81758	83512	1755	SAOUHSC_00077	GeneID:3919455
SAOUHSC_00078	NC_007795.1	83505	84761	1257	SAOUHSC_00078	GeneID:3919456
SAOUHSC_00079	NC_007795.1	84751	86487	1737	SAOUHSC_00079	GeneID:3919457
SAOUHSC_00080	NC_007795.1	86396	88246	1851	SAOUHSC_00080	GeneID:3919458
SAOUHSC_00081	NC_007795.1	88221	88997	777	SAOUHSC_00081	GeneID:3919459
SAOUHSC_00082	NC_007795.1	88997	90199	1203	SAOUHSC_00082	GeneID:3919460
SAOUHSC_00083	NC_007795.1	90203	90967	765	SAOUHSC_00083	GeneID:3919461
SAOUHSC_00084	NC_007795.1	91163	91570	408	SAOUHSC_00084	GeneID:3919462
SAOUHSC_00085	NC_007795.1	91620	92246	627	SAOUHSC_00085	GeneID:3919463
SAOUHSC_00086	NC_007795.1	92458	93234	777	SAOUHSC_00086	GeneID:3919464
SAOUHSC_00087	NC_007795.1	93378	93500	123	SAOUHSC_00087	GeneID:3919465
SAOUHSC_00088	NC_007795.1	93570	94550	981	SAOUHSC_00088	GeneID:3919466
SAOUHSC_00089	NC_007795.1	94513	95205	693	SAOUHSC_00089	GeneID:3919800
SAOUHSC_00090	NC_007795.1	95415	96581	1167	SAOUHSC_00090	GeneID:3919801
SAOUHSC_00091	NC_007795.1	96562	97800	1239	SAOUHSC_00091	GeneID:3919802
SAOUHSC_00092	NC_007795.1	97790	99220	1431	SAOUHSC_00092	GeneID:3919803
SAOUHSC_00093	NC_007795.1	99488	100087	600	SAOUHSC_00093	GeneID:3919804
SAOUHSC_00094	NC_007795.1	100455	101054	600	SAOUHSC_00094	GeneID:3919805
SAOUHSC_00096	NC_007795.1	101370	102125	756	SAOUHSC_00096	GeneID:3919806
SAOUHSC_00097	NC_007795.1	102361	103068	708	SAOUHSC_00097	GeneID:3919807
SAOUHSC_00099	NC_007795.1	103075	104427	1353	SAOUHSC_00099	GeneID:3919808
SAOUHSC_00100	NC_007795.1	104508	105170	663	SAOUHSC_00100	GeneID:3919809
SAOUHSC_00101	NC_007795.1	105198	106376	1179	SAOUHSC_00101	GeneID:3919810
SAOUHSC_00102	NC_007795.1	106507	107322	816	SAOUHSC_00102	GeneID:3919811
SAOUHSC_00103	NC_007795.1	107319	108119	801	SAOUHSC_00103	GeneID:3919812
SAOUHSC_00104	NC_007795.1	108121	108894	774	SAOUHSC_00104	GeneID:3919813
SAOUHSC_00105	NC_007795.1	109108	110064	957	SAOUHSC_00105	GeneID:3919814
SAOUHSC_00106	NC_007795.1	110293	111837	1545	SAOUHSC_00106	GeneID:3919815
SAOUHSC_00107	NC_007795.1	111888	113423	1536	SAOUHSC_00107	GeneID:3919816
SAOUHSC_00108	NC_007795.1	113507	113710	204	SAOUHSC_00108	GeneID:3919817
SAOUHSC_00109	NC_007795.1	114083	114568	486	SAOUHSC_00109	GeneID:3919818
SAOUHSC_00111	NC_007795.1	114927	115214	288	SAOUHSC_00111	GeneID:3919820
SAOUHSC_00112	NC_007795.1	115796	116088	293	SAOUHSC_00112	GeneID:3919821
SAOUHSC_00113	NC_007795.1	116538	119147	2610	SAOUHSC_00113	GeneID:3919822
SAOUHSC_00114	NC_007795.1	119492	120160	669	SAOUHSC_00114	GeneID:3919823
SAOUHSC_00115	NC_007795.1	120176	120862	687	SAOUHSC_00115	GeneID:3919824
SAOUHSC_00116	NC_007795.1	120865	121629	765	SAOUHSC_00116	GeneID:3919825
SAOUHSC_00117	NC_007795.1	121649	123472	1824	SAOUHSC_00117	GeneID:3919826
SAOUHSC_00118	NC_007795.1	123462	124490	1029	SAOUHSC_00118	GeneID:3919827
SAOUHSC_00119	NC_007795.1	124503	125612	1110	SAOUHSC_00119	GeneID:3919828
SAOUHSC_00120	NC_007795.1	125616	126740	1125	SAOUHSC_00120	GeneID:3919829

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SAOUHSC_00121	NC_007795.1	126743	127369	627	SAOUHSC_00121	GeneID:3919830
SAOUHSC_00122	NC_007795.1	127374	128483	1110	SAOUHSC_00122	GeneID:3919831
SAOUHSC_00123	NC_007795.1	128497	129663	1167	SAOUHSC_00123	GeneID:3919832
SAOUHSC_00124	NC_007795.1	129656	130861	1206	SAOUHSC_00124	GeneID:3919833
SAOUHSC_00125	NC_007795.1	130862	132067	1206	SAOUHSC_00125	GeneID:3919834
SAOUHSC_00126	NC_007795.1	132078	132635	558	SAOUHSC_00126	GeneID:3919835
SAOUHSC_00127	NC_007795.1	132635	133522	888	SAOUHSC_00127	GeneID:3919836
SAOUHSC_00128	NC_007795.1	133576	134838	1263	SAOUHSC_00128	GeneID:3919837
SAOUHSC_00129	NC_007795.1	134915	136060	1146	SAOUHSC_00129	GeneID:3919838
SAOUHSC_00130	NC_007795.1	136125	136451	327	SAOUHSC_00130	GeneID:3919839
SAOUHSC_00131	NC_007795.1	136458	136841	384	SAOUHSC_00131	GeneID:3919840
SAOUHSC_00132	NC_007795.1	137268	138755	1488	SAOUHSC_00132	GeneID:3919841
SAOUHSC_00133	NC_007795.1	139401	140360	960	SAOUHSC_00133	GeneID:3919842
SAOUHSC_00134	NC_007795.1	140422	140625	204	SAOUHSC_00134	GeneID:3919843
SAOUHSC_00135	NC_007795.1	140804	141316	513	SAOUHSC_00135	GeneID:3919844
SAOUHSC_00136	NC_007795.1	141658	142398	741	SAOUHSC_00136	GeneID:3919845
SAOUHSC_00137	NC_007795.1	142412	143386	975	SAOUHSC_00137	GeneID:3919846
SAOUHSC_00138	NC_007795.1	143383	144144	762	SAOUHSC_00138	GeneID:3919847
SAOUHSC_00139	NC_007795.1	144157	145188	1032	SAOUHSC_00139	GeneID:3919848
SAOUHSC_00141	NC_007795.1	145405	145764	360	SAOUHSC_00141	GeneID:3919849
SAOUHSC_00142	NC_007795.1	145937	146962	1026	SAOUHSC_00142	GeneID:3919850
SAOUHSC_00143	NC_007795.1	147348	148598	1251	SAOUHSC_00143	GeneID:3919851
SAOUHSC_00144	NC_007795.1	149045	156220	7176	SAOUHSC_00144	GeneID:3919852
SAOUHSC_00145	NC_007795.1	156233	156877	645	SAOUHSC_00145	GeneID:3919853
SAOUHSC_00146	NC_007795.1	157205	157684	480	SAOUHSC_00146	GeneID:3919854
SAOUHSC_00147	NC_007795.1	157954	158718	765	SAOUHSC_00147	GeneID:3919855
SAOUHSC_00148	NC_007795.1	158734	159975	1242	argJ	GeneID:3919856
SAOUHSC_00149	NC_007795.1	159987	161018	1032	argC	GeneID:3919857
SAOUHSC_00150	NC_007795.1	161057	162241	1185	SAOUHSC_00150	GeneID:3919858
SAOUHSC_00151	NC_007795.1	162494	163849	1356	SAOUHSC_00151	GeneID:3919859
SAOUHSC_00152	NC_007795.1	164125	164622	498	SAOUHSC_00152	GeneID:3919860
SAOUHSC_00153	NC_007795.1	164749	166389	1641	SAOUHSC_00153	GeneID:3919861
SAOUHSC_00154	NC_007795.1	166583	166684	102	SAOUHSC_00154	GeneID:3919862
SAOUHSC_00155	NC_007795.1	166663	168660	1998	SAOUHSC_00155	GeneID:3919863
SAOUHSC_00156	NC_007795.1	169309	170349	1041	SAOUHSC_00156	GeneID:3919864
SAOUHSC_00157	NC_007795.1	170349	171245	897	murQ	GeneID:3919865
SAOUHSC_00158	NC_007795.1	171257	172711	1455	SAOUHSC_00158	GeneID:3919866
SAOUHSC_00160	NC_007795.1	172714	173589	876	SAOUHSC_00160	GeneID:3919867
SAOUHSC_00161	NC_007795.1	173783	174064	282	SAOUHSC_00161	GeneID:3919868
SAOUHSC_00162	NC_007795.1	174277	177066	2790	SAOUHSC_00162	GeneID:3919869
SAOUHSC_00163	NC_007795.1	177271	178113	843	SAOUHSC_00163	GeneID:3919870
SAOUHSC_00164	NC_007795.1	178115	179038	924	SAOUHSC_00164	GeneID:3919871
SAOUHSC_00166	NC_007795.1	179025	180137	1113	SAOUHSC_00166	GeneID:3919872
SAOUHSC_00167	NC_007795.1	180402	181994	1593	SAOUHSC_00167	GeneID:3919873
SAOUHSC_00168	NC_007795.1	181951	183429	1479	SAOUHSC_00168	GeneID:3919874
SAOUHSC_00169	NC_007795.1	183435	184598	1164	SAOUHSC_00169	GeneID:3919875
SAOUHSC_00170	NC_007795.1	184615	186390	1776	SAOUHSC_00170	GeneID:3919876
SAOUHSC_00171	NC_007795.1	186428	188434	2007	SAOUHSC_00171	GeneID:3919877
SAOUHSC_00172	NC_007795.1	188732	189505	774	SAOUHSC_00172	GeneID:3919486
SAOUHSC_00173	NC_007795.1	189695	190321	627	SAOUHSC_00173	GeneID:3919487
SAOUHSC_00174	NC_007795.1	190530	191108	579	SAOUHSC_00174	GeneID:3919488
SAOUHSC_00175	NC_007795.1	191491	192588	1098	SAOUHSC_00175	GeneID:3919489
SAOUHSC_00176	NC_007795.1	192601	193872	1272	SAOUHSC_00176	GeneID:3919490
SAOUHSC_00177	NC_007795.1	193875	195143	1269	SAOUHSC_00177	GeneID:3919491
SAOUHSC_00178	NC_007795.1	195145	195984	840	SAOUHSC_00178	GeneID:3919492

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SAOUHSC_00179	NC_007795.1	196058	197134	1077	SAOUHSC_00179	GeneID:3919493
SAOUHSC_00180	NC_007795.1	197159	198199	1041	SAOUHSC_00180	GeneID:3919494
SAOUHSC_00181	NC_007795.1	198254	199222	969	SAOUHSC_00181	GeneID:3919495
SAOUHSC_00182	NC_007795.1	199583	200155	573	SAOUHSC_00182	GeneID:3919496
SAOUHSC_00183	NC_007795.1	200310	201689	1380	uhpT	GeneID:3919497
SAOUHSC_00184	NC_007795.1	202048	202806	759	SAOUHSC_00184	GeneID:3919498
SAOUHSC_00185	NC_007795.1	202799	204355	1557	SAOUHSC_00185	GeneID:3919499
SAOUHSC_00186	NC_007795.1	204352	205320	969	SAOUHSC_00186	GeneID:3919500
SAOUHSC_00187	NC_007795.1	205908	208157	2250	SAOUHSC_00187	GeneID:3919501
SAOUHSC_00188	NC_007795.1	208180	208935	756	SAOUHSC_00188	GeneID:3919502
SAOUHSC_00189	NC_007795.1	208925	209233	309	SAOUHSC_00189	GeneID:3919503
SAOUHSC_00190	NC_007795.1	209271	211034	1764	SAOUHSC_00190	GeneID:3919504
SAOUHSC_00191	NC_007795.1	211198	211542	345	SAOUHSC_00191	GeneID:3919505
SAOUHSC_00192	NC_007795.1	211732	213642	1911	SAOUHSC_00192	GeneID:3920348
SAOUHSC_00193	NC_007795.1	213824	213931	108	SAOUHSC_00193	GeneID:3920349
SAOUHSC_00195	NC_007795.1	214246	215430	1185	SAOUHSC_00195	GeneID:3920351
SAOUHSC_00196	NC_007795.1	215460	217721	2262	SAOUHSC_00196	GeneID:3920352
SAOUHSC_00197	NC_007795.1	217907	219118	1212	SAOUHSC_00197	GeneID:3920353
SAOUHSC_00198	NC_007795.1	219230	220735	1506	SAOUHSC_00198	GeneID:3920354
SAOUHSC_00199	NC_007795.1	220761	222338	1578	SAOUHSC_00199	GeneID:3920355
SAOUHSC_00200	NC_007795.1	222779	223921	1143	SAOUHSC_00200	GeneID:3920356
SAOUHSC_00201	NC_007795.1	224235	225647	1413	SAOUHSC_00201	GeneID:3920357
SAOUHSC_00202	NC_007795.1	225908	226264	357	SAOUHSC_00202	GeneID:3920358
SAOUHSC_00203	NC_007795.1	226421	226594	174	SAOUHSC_00203	GeneID:3920359
SAOUHSC_00204	NC_007795.1	226620	227765	1146	SAOUHSC_00204	GeneID:3920360
SAOUHSC_00205	NC_007795.1	227920	228027	108	SAOUHSC_00205	GeneID:3920361
SAOUHSC_00206	NC_007795.1	228482	229291	810	SAOUHSC_00206	GeneID:3920362
SAOUHSC_00208	NC_007795.1	229502	229645	144	SAOUHSC_00208	GeneID:3920363
SAOUHSC_00209	NC_007795.1	229611	231140	1530	SAOUHSC_00209	GeneID:3920364
SAOUHSC_00211	NC_007795.1	231502	232437	936	SAOUHSC_00211	GeneID:3920365
SAOUHSC_00212	NC_007795.1	232547	232645	99	SAOUHSC_00212	GeneID:3920366
SAOUHSC_00213	NC_007795.1	232776	234872	2097	SAOUHSC_00213	GeneID:3920289
SAOUHSC_00214	NC_007795.1	234857	235324	468	SAOUHSC_00214	GeneID:3920290
SAOUHSC_00215	NC_007795.1	235347	235625	279	SAOUHSC_00215	GeneID:3920291
SAOUHSC_00216	NC_007795.1	235852	237111	1260	SAOUHSC_00216	GeneID:3920292
SAOUHSC_00217	NC_007795.1	237129	238184	1056	SAOUHSC_00217	GeneID:3920293
SAOUHSC_00218	NC_007795.1	238186	238332	147	SAOUHSC_00218	GeneID:3920294
SAOUHSC_00219	NC_007795.1	238356	239399	1044	SAOUHSC_00219	GeneID:3920295
SAOUHSC_00220	NC_007795.1	239969	240643	675	SAOUHSC_00220	GeneID:3920296
SAOUHSC_00221	NC_007795.1	240636	241661	1026	SAOUHSC_00221	GeneID:3920297
SAOUHSC_00222	NC_007795.1	241836	243377	1542	SAOUHSC_00222	GeneID:3920298
SAOUHSC_00223	NC_007795.1	243805	244974	1170	SAOUHSC_00223	GeneID:3920299
SAOUHSC_00225	NC_007795.1	245250	245966	717	ispD	GeneID:3920300
SAOUHSC_00226	NC_007795.1	245959	246984	1026	SAOUHSC_00226	GeneID:3920301
SAOUHSC_00227	NC_007795.1	247006	248694	1689	SAOUHSC_00227	GeneID:3920302
SAOUHSC_00228	NC_007795.1	248727	250451	1725	SAOUHSC_00228	GeneID:3920303
SAOUHSC_00229	NC_007795.1	250591	251265	675	SAOUHSC_00229	GeneID:3920304
SAOUHSC_00230	NC_007795.1	251527	253266	1740	SAOUHSC_00230	GeneID:3920305
SAOUHSC_00231	NC_007795.1	253269	254009	741	SAOUHSC_00231	GeneID:3920306
SAOUHSC_00232	NC_007795.1	254122	254565	444	SAOUHSC_00232	GeneID:3920307
SAOUHSC_00233	NC_007795.1	254558	255259	702	SAOUHSC_00233	GeneID:3920308
SAOUHSC_00234	NC_007795.1	255367	256071	705	SAOUHSC_00234	GeneID:3919254
SAOUHSC_00235	NC_007795.1	256220	257011	792	SAOUHSC_00235	GeneID:3919255
SAOUHSC_00236	NC_007795.1	257027	258463	1437	SAOUHSC_00236	GeneID:3919256
SAOUHSC_00237	NC_007795.1	258896	259657	762	SAOUHSC_00237	GeneID:3919257

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SAOUHSC_00238	NC_007795.1	259676	259810	135	SAOUHSC_00238	GeneID:3919258
SAOUHSC_00239	NC_007795.1	259908	260822	915	SAOUHSC_00239	GeneID:3919259
SAOUHSC_00240	NC_007795.1	260850	261254	405	SAOUHSC_00240	GeneID:3919260
SAOUHSC_00241	NC_007795.1	261269	262150	882	SAOUHSC_00241	GeneID:3919261
SAOUHSC_00242	NC_007795.1	262382	263380	999	SAOUHSC_00242	GeneID:3919262
SAOUHSC_00243	NC_007795.1	263531	263710	180	SAOUHSC_00243	GeneID:3919263
SAOUHSC_00244	NC_007795.1	263760	264152	393	SAOUHSC_00244	GeneID:3919264
SAOUHSC_00246	NC_007795.1	264825	266201	1377	SAOUHSC_00246	GeneID:3919266
SAOUHSC_00247	NC_007795.1	266435	267427	993	SAOUHSC_00247	GeneID:3919267
SAOUHSC_00248	NC_007795.1	267753	268703	951	SAOUHSC_00248	GeneID:3919268
SAOUHSC_00249	NC_007795.1	268755	269414	660	SAOUHSC_00249	GeneID:3919269
SAOUHSC_00250	NC_007795.1	269428	270348	921	SAOUHSC_00250	GeneID:3919270
SAOUHSC_00251	NC_007795.1	270345	271511	1167	SAOUHSC_00251	GeneID:3919271
SAOUHSC_00253	NC_007795.1	271579	273102	1524	SAOUHSC_00253	GeneID:3919272
SAOUHSC_00254	NC_007795.1	273373	274026	654	SAOUHSC_00254	GeneID:3919196
SAOUHSC_00255	NC_007795.1	274060	274647	588	SAOUHSC_00255	GeneID:3919197
SAOUHSC_00256	NC_007795.1	274790	275683	894	SAOUHSC_00256	GeneID:3919198
SAOUHSC_00257	NC_007795.1	275931	276224	294	SAOUHSC_00257	GeneID:3919199
SAOUHSC_00258	NC_007795.1	276308	279337	3030	SAOUHSC_00258	GeneID:3919200
SAOUHSC_00259	NC_007795.1	279337	279795	459	SAOUHSC_00259	GeneID:3919201
SAOUHSC_00260	NC_007795.1	279728	280009	282	SAOUHSC_00260	GeneID:3919202
SAOUHSC_00261	NC_007795.1	280022	281356	1335	SAOUHSC_00261	GeneID:3919203
SAOUHSC_00262	NC_007795.1	281378	285817	4440	SAOUHSC_00262	GeneID:3919204
SAOUHSC_00264	NC_007795.1	285847	286239	393	SAOUHSC_00264	GeneID:3919205
SAOUHSC_00265	NC_007795.1	286255	286569	315	SAOUHSC_00265	GeneID:3919206
SAOUHSC_00266	NC_007795.1	286569	287243	675	SAOUHSC_00266	GeneID:3919207
SAOUHSC_00267	NC_007795.1	287243	287560	318	SAOUHSC_00267	GeneID:3919208
SAOUHSC_00268	NC_007795.1	287570	289414	1845	SAOUHSC_00268	GeneID:3919209
SAOUHSC_00269	NC_007795.1	289425	289916	492	SAOUHSC_00269	GeneID:3919210
SAOUHSC_00270	NC_007795.1	290124	290807	684	SAOUHSC_00270	GeneID:3919211
SAOUHSC_00271	NC_007795.1	290954	291565	612	SAOUHSC_00271	GeneID:3919212
SAOUHSC_00272	NC_007795.1	291701	291919	219	SAOUHSC_00272	GeneID:3919213
SAOUHSC_00274	NC_007795.1	292051	292551	501	SAOUHSC_00274	GeneID:3919214
SAOUHSC_00275	NC_007795.1	292562	293062	501	SAOUHSC_00275	GeneID:3919215
SAOUHSC_00276	NC_007795.1	293073	293573	501	SAOUHSC_00276	GeneID:3918960
SAOUHSC_00277	NC_007795.1	293584	294084	501	SAOUHSC_00277	GeneID:3918961
SAOUHSC_00278	NC_007795.1	294095	294583	489	SAOUHSC_00278	GeneID:3918962
SAOUHSC_00279	NC_007795.1	295206	295580	375	SAOUHSC_00279	GeneID:3918963
SAOUHSC_00280	NC_007795.1	295733	296131	399	SAOUHSC_00280	GeneID:3918964
SAOUHSC_00281	NC_007795.1	296347	297171	825	SAOUHSC_00281	GeneID:3918965
SAOUHSC_00282	NC_007795.1	297408	298685	1278	SAOUHSC_00282	GeneID:3918966
SAOUHSC_00284	NC_007795.1	299299	300189	891	SAOUHSC_00284	GeneID:3918967
SAOUHSC_00285	NC_007795.1	300438	301487	1050	SAOUHSC_00285	GeneID:3918968
SAOUHSC_00287	NC_007795.1	301500	302177	678	SAOUHSC_00287	GeneID:3918969
SAOUHSC_00289	NC_007795.1	302336	302476	141	SAOUHSC_00289	GeneID:3918970
SAOUHSC_00290	NC_007795.1	302466	303416	951	SAOUHSC_00290	GeneID:3918971
SAOUHSC_00291	NC_007795.1	303759	304877	1119	SAOUHSC_00291	GeneID:3918972
SAOUHSC_00292	NC_007795.1	304852	305775	924	SAOUHSC_00292	GeneID:3918973
SAOUHSC_00293	NC_007795.1	305786	307006	1221	SAOUHSC_00293	GeneID:3918974
SAOUHSC_00294	NC_007795.1	307111	308643	1533	SAOUHSC_00294	GeneID:3918975
SAOUHSC_00295	NC_007795.1	308683	309564	882	SAOUHSC_00295	GeneID:3918976
SAOUHSC_00296	NC_007795.1	309722	310582	861	SAOUHSC_00296	GeneID:3918977
SAOUHSC_00297	NC_007795.1	310860	311660	801	SAOUHSC_00297	GeneID:3918978
SAOUHSC_00298	NC_007795.1	311800	312468	669	SAOUHSC_00298	GeneID:3919525
SAOUHSC_00299	NC_007795.1	312595	313908	1314	SAOUHSC_00299	GeneID:3919526

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SAOUHSC_00300	NC_007795.1	314326	316398	2073	SAOUHSC_00300	GeneID:3919527
SAOUHSC_00301	NC_007795.1	316640	317467	828	SAOUHSC_00301	GeneID:3919528
SAOUHSC_00302	NC_007795.1	317540	318739	1200	SAOUHSC_00302	GeneID:3919529
SAOUHSC_00303	NC_007795.1	318835	318927	93	SAOUHSC_00303	GeneID:3919530
SAOUHSC_00304	NC_007795.1	319041	320042	1002	SAOUHSC_00304	GeneID:3919531
SAOUHSC_00305	NC_007795.1	320076	320408	333	SAOUHSC_00305	GeneID:3919532
SAOUHSC_00306	NC_007795.1	320409	321209	801	SAOUHSC_00306	GeneID:3919533
SAOUHSC_00307	NC_007795.1	321199	322143	945	SAOUHSC_00307	GeneID:3919534
SAOUHSC_00308	NC_007795.1	322121	323143	1023	SAOUHSC_00308	GeneID:3919535
SAOUHSC_00309	NC_007795.1	323458	324483	1026	SAOUHSC_00309	GeneID:3919536
SAOUHSC_00310	NC_007795.1	324576	325922	1347	ulaA	GeneID:3919537
SAOUHSC_00311	NC_007795.1	325937	326221	285	SAOUHSC_00311	GeneID:3919538
SAOUHSC_00312	NC_007795.1	326223	326666	444	SAOUHSC_00312	GeneID:3919539
SAOUHSC_00313	NC_007795.1	326671	328626	1956	SAOUHSC_00313	GeneID:3919540
SAOUHSC_00314	NC_007795.1	328838	329257	420	SAOUHSC_00314	GeneID:3919541
SAOUHSC_00315	NC_007795.1	329364	330719	1356	SAOUHSC_00315	GeneID:3919542
SAOUHSC_00316	NC_007795.1	330823	331263	441	SAOUHSC_00316	GeneID:3919543
SAOUHSC_00317	NC_007795.1	331346	332704	1359	SAOUHSC_00317	GeneID:3919544
SAOUHSC_00318	NC_007795.1	333012	333938	927	SAOUHSC_00318	GeneID:3919584
SAOUHSC_00319	NC_007795.1	333952	335013	1062	SAOUHSC_00319	GeneID:3919585
SAOUHSC_00320	NC_007795.1	335027	335593	567	SAOUHSC_00320	GeneID:3919586
SAOUHSC_00322	NC_007795.1	335653	336648	996	SAOUHSC_00322	GeneID:3919587
SAOUHSC_00323	NC_007795.1	336647	337054	408	SAOUHSC_00323	GeneID:3919588
SAOUHSC_00324	NC_007795.1	337067	337612	546	SAOUHSC_00324	GeneID:3919589
SAOUHSC_00325	NC_007795.1	337880	338734	855	SAOUHSC_00325	GeneID:3919590
SAOUHSC_00326	NC_007795.1	338731	339960	1230	SAOUHSC_00326	GeneID:3919591
SAOUHSC_00327	NC_007795.1	339971	341653	1683	SAOUHSC_00327	GeneID:3919592
SAOUHSC_00328	NC_007795.1	341746	342402	657	SAOUHSC_00328	GeneID:3919593
SAOUHSC_00329	NC_007795.1	342464	342688	225	SAOUHSC_00329	GeneID:3919594
SAOUHSC_00330	NC_007795.1	342788	343177	390	SAOUHSC_00330	GeneID:3919595
SAOUHSC_00331	NC_007795.1	343418	343621	204	SAOUHSC_00331	GeneID:3919596
SAOUHSC_00332	NC_007795.1	343618	344331	714	SAOUHSC_00332	GeneID:3919597
SAOUHSC_00333	NC_007795.1	344356	345198	843	SAOUHSC_00333	GeneID:3919598
SAOUHSC_00334	NC_007795.1	345198	345827	630	SAOUHSC_00334	GeneID:3919599
SAOUHSC_00335	NC_007795.1	346194	347327	1134	SAOUHSC_00335	GeneID:3919600
SAOUHSC_00336	NC_007795.1	347866	349047	1182	SAOUHSC_00336	GeneID:3919601
SAOUHSC_00337	NC_007795.1	349130	349882	753	SAOUHSC_00337	GeneID:3919602
SAOUHSC_00338	NC_007795.1	349925	352153	2229	SAOUHSC_00338	GeneID:3921812
SAOUHSC_00339	NC_007795.1	352150	353991	1842	SAOUHSC_00339	GeneID:3921813
SAOUHSC_00340	NC_007795.1	353960	355120	1161	SAOUHSC_00340	GeneID:3921814
SAOUHSC_00341	NC_007795.1	355117	356220	1104	SAOUHSC_00341	GeneID:3921815
SAOUHSC_00342	NC_007795.1	356884	357729	846	SAOUHSC_00342	GeneID:3921816
SAOUHSC_00344	NC_007795.1	357886	358767	882	SAOUHSC_00344	GeneID:3921817
SAOUHSC_00345	NC_007795.1	358797	359000	204	SAOUHSC_00345	GeneID:3921818
SAOUHSC_00346	NC_007795.1	359012	360109	1098	ychF	GeneID:3921819
SAOUHSC_00347	NC_007795.1	360195	360386	192	SAOUHSC_00347	GeneID:3921820
SAOUHSC_00348	NC_007795.1	360630	360926	297	rpsF	GeneID:3921821
SAOUHSC_00349	NC_007795.1	360947	361450	504	SAOUHSC_00349	GeneID:3921822
SAOUHSC_00350	NC_007795.1	361502	361744	243	rpsR	GeneID:3921823
SAOUHSC_00351	NC_007795.1	362010	362948	939	SAOUHSC_00351	GeneID:3921824
SAOUHSC_00352	NC_007795.1	362987	363298	312	SAOUHSC_00352	GeneID:3921825
SAOUHSC_00353	NC_007795.1	363376	363534	159	SAOUHSC_00353	GeneID:3921826
SAOUHSC_00354	NC_007795.1	363894	364505	612	SAOUHSC_00354	GeneID:3921827
SAOUHSC_00355	NC_007795.1	364874	365242	369	SAOUHSC_00355	GeneID:3921828
SAOUHSC_00356	NC_007795.1	365423	365995	573	SAOUHSC_00356	GeneID:3921829

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SAOUHSC_00357	NC_007795.1	366133	366396	264	SAOUHSC_00357	GeneID:3921830
SAOUHSC_00358	NC_007795.1	366696	366947	252	SAOUHSC_00358	GeneID:3921831
SAOUHSC_00359	NC_007795.1	367373	367954	582	SAOUHSC_00359	GeneID:3919779
SAOUHSC_00360	NC_007795.1	368020	368403	384	SAOUHSC_00360	GeneID:3919780
SAOUHSC_00362	NC_007795.1	368658	369284	627	SAOUHSC_00362	GeneID:3919781
SAOUHSC_00363	NC_007795.1	369357	369650	294	SAOUHSC_00363	GeneID:3919782
SAOUHSC_00364	NC_007795.1	369729	371252	1524	SAOUHSC_00364	GeneID:3919783
SAOUHSC_00365	NC_007795.1	371268	371837	570	SAOUHSC_00365	GeneID:3919784
SAOUHSC_00366	NC_007795.1	372329	373084	756	SAOUHSC_00366	GeneID:3919785
SAOUHSC_00367	NC_007795.1	373165	374553	1389	SAOUHSC_00367	GeneID:3919786
SAOUHSC_00368	NC_007795.1	374638	374739	102	SAOUHSC_00368	GeneID:3919787
SAOUHSC_00369	NC_007795.1	375530	376486	957	SAOUHSC_00369	GeneID:3919788
SAOUHSC_00370	NC_007795.1	376604	377266	663	SAOUHSC_00370	GeneID:3919789
SAOUHSC_00371	NC_007795.1	377409	377816	408	SAOUHSC_00371	GeneID:3919790
SAOUHSC_00372	NC_007795.1	378329	378907	579	SAOUHSC_00372	GeneID:3919791
SAOUHSC_00373	NC_007795.1	378907	380175	1269	SAOUHSC_00373	GeneID:3919792
SAOUHSC_00374	NC_007795.1	380213	381679	1467	SAOUHSC_00374	GeneID:3919793
SAOUHSC_00375	NC_007795.1	381704	383245	1542	guaA	GeneID:3919794
SAOUHSC_00376	NC_007795.1	383358	383894	537	SAOUHSC_00376	GeneID:3919795
SAOUHSC_00377	NC_007795.1	384287	384991	705	SAOUHSC_00377	GeneID:3919796
SAOUHSC_00378	NC_007795.1	385390	385662	273	SAOUHSC_00378	GeneID:3919797
SAOUHSC_00381	NC_007795.1	386599	386958	360	SAOUHSC_00381	GeneID:3919118
SAOUHSC_00381a	NC_007795.1	385923	386075	153	SAOUHSC_00381a	GeneID:16830698
SAOUHSC_00382	NC_007795.1	386977	387822	846	SAOUHSC_00382	GeneID:3919119
SAOUHSC_00383	NC_007795.1	388294	388974	681	SAOUHSC_00383	GeneID:3919120
SAOUHSC_00384	NC_007795.1	389260	389955	696	SAOUHSC_00384	GeneID:3919121
SAOUHSC_00386	NC_007795.1	390246	391316	1071	SAOUHSC_00386	GeneID:3919122
SAOUHSC_00387	NC_007795.1	391435	391572	138	SAOUHSC_00387	GeneID:3919123
SAOUHSC_00389	NC_007795.1	391681	392607	927	SAOUHSC_00389	GeneID:3919124
SAOUHSC_00390	NC_007795.1	392971	393675	705	SAOUHSC_00390	GeneID:3919125
SAOUHSC_00391	NC_007795.1	394121	394816	696	SAOUHSC_00391	GeneID:3919126
SAOUHSC_00392	NC_007795.1	395237	395932	696	SAOUHSC_00392	GeneID:3919127
SAOUHSC_00393	NC_007795.1	396276	396974	699	SAOUHSC_00393	GeneID:3919128
SAOUHSC_00394	NC_007795.1	397354	398052	699	SAOUHSC_00394	GeneID:3919129
SAOUHSC_00395	NC_007795.1	398418	399101	684	SAOUHSC_00395	GeneID:3919130
SAOUHSC_00396	NC_007795.1	399186	399287	102	SAOUHSC_00396	GeneID:3919131
SAOUHSC_00397	NC_007795.1	399449	400921	1473	SAOUHSC_00397	GeneID:3919132
SAOUHSC_00398	NC_007795.1	400914	402125	1212	SAOUHSC_00398	GeneID:3919133
SAOUHSC_00399	NC_007795.1	402508	403185	678	SAOUHSC_00399	GeneID:3919134
SAOUHSC_00400	NC_007795.1	403207	404715	1509	SAOUHSC_00400	GeneID:3919135
SAOUHSC_00401	NC_007795.1	404819	405127	309	SAOUHSC_00401	GeneID:3919136
SAOUHSC_00402	NC_007795.1	405465	406283	819	SAOUHSC_00402	GeneID:3920561
SAOUHSC_00404	NC_007795.1	406302	407087	786	SAOUHSC_00404	GeneID:3920562
SAOUHSC_00405	NC_007795.1	407345	408082	738	SAOUHSC_00405	GeneID:3920563
SAOUHSC_00406	NC_007795.1	408072	409400	1329	SAOUHSC_00406	GeneID:3920564
SAOUHSC_00407	NC_007795.1	409397	409720	324	SAOUHSC_00407	GeneID:3920565
SAOUHSC_00408	NC_007795.1	409739	410053	315	SAOUHSC_00408	GeneID:3920566
SAOUHSC_00409	NC_007795.1	410343	410603	261	SAOUHSC_00409	GeneID:3920567
SAOUHSC_00410	NC_007795.1	410722	411924	1203	SAOUHSC_00410	GeneID:3920568
SAOUHSC_00411	NC_007795.1	412193	412321	129	SAOUHSC_00411	GeneID:3920569
SAOUHSC_00412	NC_007795.1	413512	414996	1485	SAOUHSC_00412	GeneID:3920570
SAOUHSC_00413	NC_007795.1	415009	417714	2706	SAOUHSC_00413	GeneID:3920571
SAOUHSC_00414	NC_007795.1	417876	418238	363	SAOUHSC_00414	GeneID:3920572
SAOUHSC_00415	NC_007795.1	418467	418883	417	SAOUHSC_00415	GeneID:3920573
SAOUHSC_00416	NC_007795.1	418921	419595	675	SAOUHSC_00416	GeneID:3920574

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SAOUHSC_00417	NC_007795.1	419632	420366	735	SAOUHSC_00417	GeneID:3920575
SAOUHSC_00418	NC_007795.1	420544	420657	114	SAOUHSC_00418	GeneID:3920576
SAOUHSC_00420	NC_007795.1	420822	422159	1338	SAOUHSC_00420	GeneID:3920577
SAOUHSC_00421	NC_007795.1	422376	423290	915	SAOUHSC_00421	GeneID:3920578
SAOUHSC_00422	NC_007795.1	423274	424416	1143	SAOUHSC_00422	GeneID:3920579
SAOUHSC_00423	NC_007795.1	424710	425735	1026	SAOUHSC_00423	GeneID:3919097
SAOUHSC_00424	NC_007795.1	425739	426398	660	SAOUHSC_00424	GeneID:3919098
SAOUHSC_00426	NC_007795.1	426435	427277	843	SAOUHSC_00426	GeneID:3919099
SAOUHSC_00427	NC_007795.1	427609	428613	1005	SAOUHSC_00427	GeneID:3919100
SAOUHSC_00428	NC_007795.1	428798	429067	270	SAOUHSC_00428	GeneID:3919101
SAOUHSC_00429	NC_007795.1	429216	429611	396	SAOUHSC_00429	GeneID:3919102
SAOUHSC_00430	NC_007795.1	429601	430086	486	SAOUHSC_00430	GeneID:3919103
SAOUHSC_00431	NC_007795.1	430255	431037	783	SAOUHSC_00431	GeneID:3919104
SAOUHSC_00433	NC_007795.1	431034	432152	1119	SAOUHSC_00433	GeneID:3919105
SAOUHSC_00434	NC_007795.1	432267	433151	885	SAOUHSC_00434	GeneID:3919106
SAOUHSC_00435	NC_007795.1	433332	437831	4500	SAOUHSC_00435	GeneID:3919107
SAOUHSC_00436	NC_007795.1	437849	439312	1464	gltD	GeneID:3919108
SAOUHSC_00437	NC_007795.1	440144	441571	1428	SAOUHSC_00437	GeneID:3919109
SAOUHSC_00438	NC_007795.1	441635	443275	1641	SAOUHSC_00438	GeneID:3919110
SAOUHSC_00439	NC_007795.1	443300	444028	729	SAOUHSC_00439	GeneID:3919111
SAOUHSC_00440	NC_007795.1	444428	444529	102	SAOUHSC_00440	GeneID:3919112
SAOUHSC_00441	NC_007795.1	444667	445191	525	SAOUHSC_00441	GeneID:3919113
SAOUHSC_00442	NC_007795.1	445284	446957	1674	SAOUHSC_00442	GeneID:3919114
SAOUHSC_00444	NC_007795.1	447047	447364	318	SAOUHSC_00444	GeneID:3919115
SAOUHSC_00445	NC_007795.1	447371	447967	597	recR	GeneID:3919116
SAOUHSC_00446	NC_007795.1	448172	448270	99	SAOUHSC_00446	GeneID:3920309
SAOUHSC_00450	NC_007795.1	454730	456067	1338	SAOUHSC_00450	GeneID:3920310
SAOUHSC_00451	NC_007795.1	456069	456686	618	tmk	GeneID:3920311
SAOUHSC_00452	NC_007795.1	456714	457043	330	SAOUHSC_00452	GeneID:3920312
SAOUHSC_00454	NC_007795.1	457344	458183	840	SAOUHSC_00454	GeneID:3920314
SAOUHSC_00455	NC_007795.1	458184	458987	804	SAOUHSC_00455	GeneID:3920315
SAOUHSC_00456	NC_007795.1	459004	459351	348	SAOUHSC_00456	GeneID:3920316
SAOUHSC_00457	NC_007795.1	459625	460350	726	SAOUHSC_00457	GeneID:3920317
SAOUHSC_00458	NC_007795.1	460343	460591	249	SAOUHSC_00458	GeneID:3920318
SAOUHSC_00459	NC_007795.1	460593	461432	840	SAOUHSC_00459	GeneID:3920319
SAOUHSC_00461	NC_007795.1	461717	463690	1974	SAOUHSC_00461	GeneID:3920321
SAOUHSC_00462	NC_007795.1	463721	464494	774	SAOUHSC_00462	GeneID:3920322
SAOUHSC_00463	NC_007795.1	464661	465197	537	SAOUHSC_00463	GeneID:3920323
SAOUHSC_00464	NC_007795.1	465208	466101	894	ksgA	GeneID:3920324
SAOUHSC_00465	NC_007795.1	466201	466464	264	SAOUHSC_00465	GeneID:3920325
SAOUHSC_00466	NC_007795.1	466774	467622	849	ipk	GeneID:3920326
SAOUHSC_00467	NC_007795.1	467636	468460	825	SAOUHSC_00467	GeneID:3920327
SAOUHSC_00468	NC_007795.1	468477	468857	381	SAOUHSC_00468	GeneID:3920328
SAOUHSC_00469	NC_007795.1	468929	469231	303	SAOUHSC_00469	GeneID:3920329
SAOUHSC_00470	NC_007795.1	469421	469552	132	SAOUHSC_00470	GeneID:3920330
SAOUHSC_00471	NC_007795.1	469575	470927	1353	glmU	GeneID:3920331
SAOUHSC_00472	NC_007795.1	471074	472039	966	SAOUHSC_00472	GeneID:3920332
SAOUHSC_00473	NC_007795.1	472097	472207	111	SAOUHSC_00473	GeneID:3920333
SAOUHSC_00474	NC_007795.1	472189	472842	654	SAOUHSC_00474	GeneID:3920334
SAOUHSC_00475	NC_007795.1	473153	473725	573	SAOUHSC_00475	GeneID:3920335
SAOUHSC_00477	NC_007795.1	473725	477231	3507	SAOUHSC_00477	GeneID:3920336
SAOUHSC_00479	NC_007795.1	477221	478747	1527	SAOUHSC_00479	GeneID:3920337
SAOUHSC_00480	NC_007795.1	478747	479940	1194	SAOUHSC_00480	GeneID:3920338
SAOUHSC_00481	NC_007795.1	479937	480200	264	SAOUHSC_00481	GeneID:3920339
SAOUHSC_00482	NC_007795.1	480218	480610	393	SAOUHSC_00482	GeneID:3920340

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SAOUHSC_00483	NC_007795.1	480715	481116	402	SAOUHSC_00483	GeneID:3920341
SAOUHSC_00484	NC_007795.1	481296	482591	1296	SAOUHSC_00484	GeneID:3920342
SAOUHSC_00485	NC_007795.1	482596	483135	540	SAOUHSC_00485	GeneID:3920343
SAOUHSC_00486	NC_007795.1	483392	485485	2094	SAOUHSC_00486	GeneID:3920344
SAOUHSC_00487	NC_007795.1	485714	486595	882	hslO	GeneID:3920345
SAOUHSC_00488	NC_007795.1	486774	487706	933	SAOUHSC_00488	GeneID:3920346
SAOUHSC_00489	NC_007795.1	487922	488725	804	SAOUHSC_00489	GeneID:3920347
SAOUHSC_00490	NC_007795.1	488703	489068	366	SAOUHSC_00490	GeneID:3920406
SAOUHSC_00491	NC_007795.1	489065	489541	477	SAOUHSC_00491	GeneID:3920407
SAOUHSC_00492	NC_007795.1	489935	490027	93	SAOUHSC_00492	GeneID:3920408
SAOUHSC_00493	NC_007795.1	490080	491567	1488	lysS	GeneID:3920409
SAOUHSC_00497	NC_007795.1	498652	500034	1383	SAOUHSC_00497	GeneID:3920410
SAOUHSC_00499	NC_007795.1	500138	501025	888	SAOUHSC_00499	GeneID:3920411
SAOUHSC_00500	NC_007795.1	501029	501589	561	SAOUHSC_00500	GeneID:3920412
SAOUHSC_00501	NC_007795.1	501797	503011	1215	SAOUHSC_00501	GeneID:3920413
SAOUHSC_00502	NC_007795.1	503169	503630	462	SAOUHSC_00502	GeneID:3920414
SAOUHSC_00503	NC_007795.1	503727	504215	489	SAOUHSC_00503	GeneID:3920415
SAOUHSC_00504	NC_007795.1	504205	505212	1008	SAOUHSC_00504	GeneID:3920416
SAOUHSC_00505	NC_007795.1	505226	507682	2457	SAOUHSC_00505	GeneID:3920417
SAOUHSC_00507	NC_007795.1	508167	509531	1365	SAOUHSC_00507	GeneID:3920419
SAOUHSC_00508	NC_007795.1	509574	510629	1056	SAOUHSC_00508	GeneID:3920420
SAOUHSC_00509	NC_007795.1	511186	512640	1455	gltX	GeneID:3920421
SAOUHSC_00510	NC_007795.1	513063	513710	648	SAOUHSC_00510	GeneID:3920422
SAOUHSC_00511	NC_007795.1	513694	515094	1401	cysS	GeneID:3920423
SAOUHSC_00512	NC_007795.1	515087	515491	405	SAOUHSC_00512	GeneID:3920424
SAOUHSC_00513	NC_007795.1	515499	516245	747	SAOUHSC_00513	GeneID:3920367
SAOUHSC_00514	NC_007795.1	516245	516769	525	SAOUHSC_00514	GeneID:3920368
SAOUHSC_00515	NC_007795.1	516850	517419	570	SAOUHSC_00515	GeneID:3920369
SAOUHSC_00516	NC_007795.1	517733	517915	183	secE	GeneID:3920370
SAOUHSC_00517	NC_007795.1	517928	518476	549	SAOUHSC_00517	GeneID:3920371
SAOUHSC_00518	NC_007795.1	518657	519079	423	rplK	GeneID:3920372
SAOUHSC_00519	NC_007795.1	519287	519979	693	rplA	GeneID:3920373
SAOUHSC_00520	NC_007795.1	520251	520751	501	rplJ	GeneID:3920374
SAOUHSC_00521	NC_007795.1	520794	521162	369	rplL	GeneID:3920375
SAOUHSC_00523	NC_007795.1	521337	521945	609	SAOUHSC_00523	GeneID:3920376
SAOUHSC_00524	NC_007795.1	522160	525711	3552	rpoB	GeneID:3920377
SAOUHSC_00525	NC_007795.1	525875	529471	3597	SAOUHSC_00525	GeneID:3920378
SAOUHSC_00526	NC_007795.1	529608	529862	255	SAOUHSC_00526	GeneID:3920379
SAOUHSC_00527	NC_007795.1	529960	530373	414	rpsL	GeneID:3920380
SAOUHSC_00528	NC_007795.1	530439	530909	471	SAOUHSC_00528	GeneID:3920381
SAOUHSC_00529	NC_007795.1	531032	533113	2082	fusA	GeneID:3920382
SAOUHSC_00530	NC_007795.1	533330	534514	1185	tuf	GeneID:3920383
SAOUHSC_00531	NC_007795.1	534796	535971	1176	SAOUHSC_00531	GeneID:3920384
SAOUHSC_00532	NC_007795.1	536142	537329	1188	SAOUHSC_00532	GeneID:3920385
SAOUHSC_00533	NC_007795.1	537595	538473	879	SAOUHSC_00533	GeneID:3920386
SAOUHSC_00534	NC_007795.1	538632	540269	1638	SAOUHSC_00534	GeneID:3920814
SAOUHSC_00535	NC_007795.1	540483	541448	966	SAOUHSC_00535	GeneID:3920815
SAOUHSC_00536	NC_007795.1	541783	542859	1077	SAOUHSC_00536	GeneID:3920816
SAOUHSC_00537	NC_007795.1	542832	543005	174	SAOUHSC_00537	GeneID:3920817
SAOUHSC_00538	NC_007795.1	543109	543792	684	SAOUHSC_00538	GeneID:3920818
SAOUHSC_00539	NC_007795.1	543908	544570	663	SAOUHSC_00539	GeneID:3920819
SAOUHSC_00540	NC_007795.1	544563	545180	618	SAOUHSC_00540	GeneID:3920820
SAOUHSC_00541	NC_007795.1	545247	545717	471	SAOUHSC_00541	GeneID:3920821
SAOUHSC_00542	NC_007795.1	545864	546733	870	SAOUHSC_00542	GeneID:3920822
SAOUHSC_00543	NC_007795.1	546754	547320	567	SAOUHSC_00543	GeneID:3920823

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SAOUHSC_00544	NC_007795.1	547751	550738	2988	SAOUHSC_00544	GeneID:3920824
SAOUHSC_00545	NC_007795.1	551105	555154	4050	SAOUHSC_00545	GeneID:3920825
SAOUHSC_00547	NC_007795.1	555273	556745	1473	SAOUHSC_00547	GeneID:3920826
SAOUHSC_00548	NC_007795.1	556869	558359	1491	SAOUHSC_00548	GeneID:3920827
SAOUHSC_00549	NC_007795.1	558641	559519	879	SAOUHSC_00549	GeneID:3920828
SAOUHSC_00550	NC_007795.1	559532	560197	666	SAOUHSC_00550	GeneID:3920829
SAOUHSC_00551	NC_007795.1	560211	560573	363	SAOUHSC_00551	GeneID:3920830
SAOUHSC_00552	NC_007795.1	560849	561607	759	SAOUHSC_00552	GeneID:3920831
SAOUHSC_00553	NC_007795.1	561684	562316	633	SAOUHSC_00553	GeneID:3920832
SAOUHSC_00554	NC_007795.1	562318	562866	549	SAOUHSC_00554	GeneID:3920599
SAOUHSC_00555	NC_007795.1	562979	563626	648	SAOUHSC_00555	GeneID:3920600
SAOUHSC_00556	NC_007795.1	564128	565528	1401	SAOUHSC_00556	GeneID:3920601
SAOUHSC_00557	NC_007795.1	566072	567448	1377	SAOUHSC_00557	GeneID:3920602
SAOUHSC_00558	NC_007795.1	567450	568589	1140	SAOUHSC_00558	GeneID:3920603
SAOUHSC_00559	NC_007795.1	568564	568929	366	SAOUHSC_00559	GeneID:3920604
SAOUHSC_00560	NC_007795.1	568932	569201	270	SAOUHSC_00560	GeneID:3920605
SAOUHSC_00561	NC_007795.1	569402	569569	168	SAOUHSC_00561	GeneID:3920606
SAOUHSC_00562	NC_007795.1	570076	570906	831	SAOUHSC_00562	GeneID:3920607
SAOUHSC_00564	NC_007795.1	571090	571746	657	SAOUHSC_00564	GeneID:3920608
SAOUHSC_00565	NC_007795.1	571747	572127	381	SAOUHSC_00565	GeneID:3920609
SAOUHSC_00567	NC_007795.1	572260	572628	369	SAOUHSC_00567	GeneID:3920610
SAOUHSC_00569	NC_007795.1	572749	574233	1485	SAOUHSC_00569	GeneID:3920611
SAOUHSC_00571	NC_007795.1	574375	574827	453	SAOUHSC_00571	GeneID:3920612
SAOUHSC_00572	NC_007795.1	574840	575490	651	SAOUHSC_00572	GeneID:3920613
SAOUHSC_00573	NC_007795.1	576153	576905	753	SAOUHSC_00573	GeneID:3920614
SAOUHSC_00574	NC_007795.1	577073	578059	987	eutD	GeneID:3920615
SAOUHSC_00575	NC_007795.1	578134	578898	765	SAOUHSC_00575	GeneID:3920616
SAOUHSC_00577	NC_007795.1	579485	580405	921	SAOUHSC_00577	GeneID:3920617
SAOUHSC_00578	NC_007795.1	580410	581393	984	SAOUHSC_00578	GeneID:3920618
SAOUHSC_00579	NC_007795.1	581406	582482	1077	SAOUHSC_00579	GeneID:3920503
SAOUHSC_00580	NC_007795.1	582659	583000	342	SAOUHSC_00580	GeneID:3920504
SAOUHSC_00581	NC_007795.1	583052	584374	1323	SAOUHSC_00581	GeneID:3920505
SAOUHSC_00582	NC_007795.1	584361	584777	417	SAOUHSC_00582	GeneID:3920506
SAOUHSC_00583	NC_007795.1	584859	584960	102	SAOUHSC_00583	GeneID:3920507
SAOUHSC_00584	NC_007795.1	585426	586835	1410	SAOUHSC_00584	GeneID:3920508
SAOUHSC_00585	NC_007795.1	586908	587465	558	SAOUHSC_00585	GeneID:3920509
SAOUHSC_00586	NC_007795.1	587591	588232	642	SAOUHSC_00586	GeneID:3920510
SAOUHSC_00587	NC_007795.1	588392	588937	546	SAOUHSC_00587	GeneID:3920511
SAOUHSC_00588	NC_007795.1	589012	589641	630	SAOUHSC_00588	GeneID:3920512
SAOUHSC_00589	NC_007795.1	589698	589814	117	SAOUHSC_00589	GeneID:3920513
SAOUHSC_00591	NC_007795.1	589837	590430	594	SAOUHSC_00591	GeneID:3920514
SAOUHSC_00592	NC_007795.1	590589	591230	642	SAOUHSC_00592	GeneID:3920515
SAOUHSC_00593	NC_007795.1	591277	591905	629	SAOUHSC_00593	GeneID:3920516
SAOUHSC_00596	NC_007795.1	592358	592987	630	SAOUHSC_00596	GeneID:3920518
SAOUHSC_00598	NC_007795.1	593183	593752	570	SAOUHSC_00598	GeneID:3920519
SAOUHSC_00599	NC_007795.1	593789	594424	636	SAOUHSC_00599	GeneID:3920520
SAOUHSC_00600	NC_007795.1	594375	594635	261	SAOUHSC_00600	GeneID:3920521
SAOUHSC_00602	NC_007795.1	594659	595285	627	SAOUHSC_00602	GeneID:3918921
SAOUHSC_00603	NC_007795.1	595555	596493	939	SAOUHSC_00603	GeneID:3918922
SAOUHSC_00604	NC_007795.1	596704	597240	537	SAOUHSC_00604	GeneID:3918923
SAOUHSC_00605	NC_007795.1	597409	597885	477	SAOUHSC_00605	GeneID:3918924
SAOUHSC_00606	NC_007795.1	597925	599220	1296	SAOUHSC_00606	GeneID:3918925
SAOUHSC_00607	NC_007795.1	599248	599769	522	SAOUHSC_00607	GeneID:3918926
SAOUHSC_00608	NC_007795.1	600268	601278	1011	adhA	GeneID:3918927
SAOUHSC_00609	NC_007795.1	601353	601460	108	SAOUHSC_00609	GeneID:3918928

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SAOUHSC_00610	NC_007795.1	601586	601969	384	SAOUHSC_00610	GeneID:3918929
SAOUHSC_00611	NC_007795.1	601966	603627	1662	argS	GeneID:3918930
SAOUHSC_00612	NC_007795.1	604016	604651	636	SAOUHSC_00612	GeneID:3918931
SAOUHSC_00613	NC_007795.1	605090	605917	828	SAOUHSC_00613	GeneID:3918932
SAOUHSC_00614	NC_007795.1	606065	607015	951	SAOUHSC_00614	GeneID:3918933
SAOUHSC_00615	NC_007795.1	607070	607789	720	SAOUHSC_00615	GeneID:3918934
SAOUHSC_00616	NC_007795.1	607773	608573	801	SAOUHSC_00616	GeneID:3918935
SAOUHSC_00617	NC_007795.1	608709	609215	507	SAOUHSC_00617	GeneID:3918936
SAOUHSC_00618	NC_007795.1	609377	610093	717	SAOUHSC_00618	GeneID:3918937
SAOUHSC_00619	NC_007795.1	610262	611050	789	SAOUHSC_00619	GeneID:3918938
SAOUHSC_00620	NC_007795.1	611301	611675	375	SAOUHSC_00620	GeneID:3918939
SAOUHSC_00621	NC_007795.1	612623	613516	894	SAOUHSC_00621	GeneID:3918940
SAOUHSC_00622	NC_007795.1	613747	614088	342	SAOUHSC_00622	GeneID:3920033
SAOUHSC_00624	NC_007795.1	614350	614910	561	SAOUHSC_00624	GeneID:3920034
SAOUHSC_00625	NC_007795.1	614929	617331	2403	SAOUHSC_00625	GeneID:3920035
SAOUHSC_00626	NC_007795.1	617318	617743	426	SAOUHSC_00626	GeneID:3920036
SAOUHSC_00627	NC_007795.1	617740	618084	345	SAOUHSC_00627	GeneID:3920037
SAOUHSC_00628	NC_007795.1	618074	619570	1497	SAOUHSC_00628	GeneID:3920038
SAOUHSC_00629	NC_007795.1	619571	620053	483	SAOUHSC_00629	GeneID:3920039
SAOUHSC_00632	NC_007795.1	620306	620764	459	SAOUHSC_00632	GeneID:3920041
SAOUHSC_00633	NC_007795.1	621143	623146	2004	SAOUHSC_00633	GeneID:3920042
SAOUHSC_00634	NC_007795.1	624572	625510	939	SAOUHSC_00634	GeneID:3920043
SAOUHSC_00636	NC_007795.1	625507	626343	837	SAOUHSC_00636	GeneID:3920044
SAOUHSC_00637	NC_007795.1	626337	627080	744	SAOUHSC_00637	GeneID:3920045
SAOUHSC_00638	NC_007795.1	627202	627846	645	SAOUHSC_00638	GeneID:3920046
SAOUHSC_00639	NC_007795.1	627926	628678	753	SAOUHSC_00639	GeneID:3920047
SAOUHSC_00640	NC_007795.1	628914	629678	765	SAOUHSC_00640	GeneID:3920048
SAOUHSC_00641	NC_007795.1	629739	630533	795	SAOUHSC_00641	GeneID:3920049
SAOUHSC_00642	NC_007795.1	630880	631692	813	SAOUHSC_00642	GeneID:3920050
SAOUHSC_00643	NC_007795.1	631791	632894	1104	SAOUHSC_00643	GeneID:3920051
SAOUHSC_00644	NC_007795.1	632891	633952	1062	SAOUHSC_00644	GeneID:3919936
SAOUHSC_00645	NC_007795.1	634015	634413	399	SAOUHSC_00645	GeneID:3919937
SAOUHSC_00646	NC_007795.1	634530	635825	1296	SAOUHSC_00646	GeneID:3919938
SAOUHSC_00647	NC_007795.1	636246	637973	1728	SAOUHSC_00647	GeneID:3919939
SAOUHSC_00648	NC_007795.1	638332	639561	1230	SAOUHSC_00648	GeneID:3919940
SAOUHSC_00650	NC_007795.1	639816	639908	93	SAOUHSC_00650	GeneID:3919941
SAOUHSC_00651	NC_007795.1	640086	640919	834	SAOUHSC_00651	GeneID:3919942
SAOUHSC_00652	NC_007795.1	641201	641998	798	SAOUHSC_00652	GeneID:3919943
SAOUHSC_00653	NC_007795.1	642034	643038	1005	SAOUHSC_00653	GeneID:3919944
SAOUHSC_00654	NC_007795.1	643035	644051	1017	SAOUHSC_00654	GeneID:3919945
SAOUHSC_00655	NC_007795.1	644285	645253	969	SAOUHSC_00655	GeneID:3919946
SAOUHSC_00656	NC_007795.1	645295	645879	585	SAOUHSC_00656	GeneID:3919947
SAOUHSC_00658	NC_007795.1	645872	646234	363	SAOUHSC_00658	GeneID:3919948
SAOUHSC_00659	NC_007795.1	646350	646847	498	SAOUHSC_00659	GeneID:3919949
SAOUHSC_00660	NC_007795.1	647303	648370	1068	SAOUHSC_00660	GeneID:3919950
SAOUHSC_00661	NC_007795.1	648521	649564	1044	SAOUHSC_00661	GeneID:3919951
SAOUHSC_00662	NC_007795.1	649893	650321	429	SAOUHSC_00662	GeneID:3919952
SAOUHSC_00663	NC_007795.1	650530	651036	507	SAOUHSC_00663	GeneID:3919953
SAOUHSC_00664	NC_007795.1	651149	652072	924	SAOUHSC_00664	GeneID:3919954
SAOUHSC_00665	NC_007795.1	652088	652762	675	SAOUHSC_00665	GeneID:3919955
SAOUHSC_00666	NC_007795.1	652755	653795	1041	SAOUHSC_00666	GeneID:3919429
SAOUHSC_00667	NC_007795.1	653939	654700	762	SAOUHSC_00667	GeneID:3919430
SAOUHSC_00668	NC_007795.1	654690	656579	1890	SAOUHSC_00668	GeneID:3919431
SAOUHSC_00669	NC_007795.1	657304	657921	618	SAOUHSC_00669	GeneID:3919432
SAOUHSC_00670	NC_007795.1	657937	658944	1008	SAOUHSC_00670	GeneID:3919433

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SAOUHSC_00671	NC_007795.1	659532	660329	798	SAOUHSC_00671	GeneID:3919434
SAOUHSC_00672	NC_007795.1	660690	661334	645	SAOUHSC_00672	GeneID:3919435
SAOUHSC_00673	NC_007795.1	662031	664181	2151	SAOUHSC_00673	GeneID:3919436
SAOUHSC_00674	NC_007795.1	664261	664686	426	SAOUHSC_00674	GeneID:3919437
SAOUHSC_00675	NC_007795.1	664876	665592	717	SAOUHSC_00675	GeneID:3919438
SAOUHSC_00676	NC_007795.1	665592	666065	474	SAOUHSC_00676	GeneID:3919439
SAOUHSC_00677	NC_007795.1	666157	666273	117	SAOUHSC_00677	GeneID:3919440
SAOUHSC_00678	NC_007795.1	666418	667062	645	SAOUHSC_00678	GeneID:3919441
SAOUHSC_00679	NC_007795.1	667178	668044	867	SAOUHSC_00679	GeneID:3919442
SAOUHSC_00680	NC_007795.1	668104	668199	96	SAOUHSC_00680	GeneID:3919443
SAOUHSC_00681	NC_007795.1	668245	669465	1221	SAOUHSC_00681	GeneID:3919444
SAOUHSC_00682	NC_007795.1	669462	669950	489	SAOUHSC_00682	GeneID:3919445
SAOUHSC_00683	NC_007795.1	670049	670738	690	SAOUHSC_00683	GeneID:3919446
SAOUHSC_00684	NC_007795.1	670865	671308	444	SAOUHSC_00684	GeneID:3919447
SAOUHSC_00685	NC_007795.1	671375	671770	396	SAOUHSC_00685	GeneID:3920989
SAOUHSC_00686	NC_007795.1	671908	672207	300	SAOUHSC_00686	GeneID:3920990
SAOUHSC_00687	NC_007795.1	672287	672829	543	SAOUHSC_00687	GeneID:3920991
SAOUHSC_00688	NC_007795.1	672925	673491	567	SAOUHSC_00688	GeneID:3920992
SAOUHSC_00689	NC_007795.1	673493	673951	459	SAOUHSC_00689	GeneID:3920993
SAOUHSC_00690	NC_007795.1	673954	674637	684	SAOUHSC_00690	GeneID:3920994
SAOUHSC_00691	NC_007795.1	674809	675684	876	SAOUHSC_00691	GeneID:3920995
SAOUHSC_00692	NC_007795.1	675903	677534	1632	SAOUHSC_00692	GeneID:3920996
SAOUHSC_00693	NC_007795.1	677531	679204	1674	SAOUHSC_00693	GeneID:3920997
SAOUHSC_00694	NC_007795.1	679331	679774	444	SAOUHSC_00694	GeneID:3920998
SAOUHSC_00695	NC_007795.1	680001	680927	927	SAOUHSC_00695	GeneID:3920999
SAOUHSC_00696	NC_007795.1	681030	681938	909	SAOUHSC_00696	GeneID:3921000
SAOUHSC_00697	NC_007795.1	681973	682260	288	SAOUHSC_00697	GeneID:3921001
SAOUHSC_00698	NC_007795.1	682543	684096	1554	SAOUHSC_00698	GeneID:3921002
SAOUHSC_00699	NC_007795.1	684182	685555	1374	SAOUHSC_00699	GeneID:3921003
SAOUHSC_00700	NC_007795.1	685710	686057	348	SAOUHSC_00700	GeneID:3921004
SAOUHSC_00701	NC_007795.1	685991	686608	618	SAOUHSC_00701	GeneID:3921005
SAOUHSC_00702	NC_007795.1	686794	687216	423	SAOUHSC_00702	GeneID:3921006
SAOUHSC_00703	NC_007795.1	687425	688591	1167	SAOUHSC_00703	GeneID:3921007
SAOUHSC_00704	NC_007795.1	688884	689336	453	SAOUHSC_00704	GeneID:3921008
SAOUHSC_00705	NC_007795.1	689510	689992	483	SAOUHSC_00705	GeneID:3919332
SAOUHSC_00706	NC_007795.1	690242	691006	765	SAOUHSC_00706	GeneID:3919333
SAOUHSC_00707	NC_007795.1	691003	691923	921	SAOUHSC_00707	GeneID:3919334
SAOUHSC_00708	NC_007795.1	691929	693887	1959	SAOUHSC_00708	GeneID:3919335
SAOUHSC_00710	NC_007795.1	694195	695376	1182	SAOUHSC_00710	GeneID:3919337
SAOUHSC_00711	NC_007795.1	695597	696946	1350	SAOUHSC_00711	GeneID:3919338
SAOUHSC_00712	NC_007795.1	697168	698007	840	SAOUHSC_00712	GeneID:3919339
SAOUHSC_00713	NC_007795.1	698139	699122	984	SAOUHSC_00713	GeneID:3919340
SAOUHSC_00714	NC_007795.1	699194	700249	1056	SAOUHSC_00714	GeneID:3919341
SAOUHSC_00715	NC_007795.1	700249	700935	687	SAOUHSC_00715	GeneID:3919342
SAOUHSC_00716	NC_007795.1	700910	701383	474	SAOUHSC_00716	GeneID:3919343
SAOUHSC_00717	NC_007795.1	701725	702165	441	SAOUHSC_00717	GeneID:3919344
SAOUHSC_00718	NC_007795.1	702445	703029	585	SAOUHSC_00718	GeneID:3919345
SAOUHSC_00719	NC_007795.1	703128	703841	714	SAOUHSC_00719	GeneID:3919346
SAOUHSC_00720	NC_007795.1	703845	704264	420	SAOUHSC_00720	GeneID:3919347
SAOUHSC_00721	NC_007795.1	704266	704934	669	SAOUHSC_00721	GeneID:3919348
SAOUHSC_00722	NC_007795.1	705285	705878	594	SAOUHSC_00722	GeneID:3919349
SAOUHSC_00723	NC_007795.1	705862	707013	1152	SAOUHSC_00723	GeneID:3919350
SAOUHSC_00724	NC_007795.1	707013	707621	609	SAOUHSC_00724	GeneID:3920969
SAOUHSC_00725	NC_007795.1	707687	707893	207	SAOUHSC_00725	GeneID:3920970
SAOUHSC_00726	NC_007795.1	707981	708691	711	SAOUHSC_00726	GeneID:3920971

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SAOUHSC_00727	NC_007795.1	708675	709679	1005	SAOUHSC_00727	GeneID:3920972
SAOUHSC_00728	NC_007795.1	710153	712093	1941	SAOUHSC_00728	GeneID:3920973
SAOUHSC_00729	NC_007795.1	712364	714247	1884	SAOUHSC_00729	GeneID:3920974
SAOUHSC_00730	NC_007795.1	714259	716040	1782	SAOUHSC_00730	GeneID:3920975
SAOUHSC_00731	NC_007795.1	716262	717239	978	SAOUHSC_00731	GeneID:3920976
SAOUHSC_00732	NC_007795.1	717232	718746	1515	SAOUHSC_00732	GeneID:3920977
SAOUHSC_00733	NC_007795.1	718986	720044	1059	SAOUHSC_00733	GeneID:3920978
SAOUHSC_00734	NC_007795.1	720395	720937	543	SAOUHSC_00734	GeneID:3920979
SAOUHSC_00735	NC_007795.1	721050	721148	99	SAOUHSC_00735	GeneID:3920980
SAOUHSC_00736	NC_007795.1	721561	722478	918	SAOUHSC_00736	GeneID:3920981
SAOUHSC_00737	NC_007795.1	722569	722670	102	SAOUHSC_00737	GeneID:3920982
SAOUHSC_00738	NC_007795.1	722748	724253	1506	SAOUHSC_00738	GeneID:3920983
SAOUHSC_00739	NC_007795.1	724594	725094	501	SAOUHSC_00739	GeneID:3920984
SAOUHSC_00740	NC_007795.1	725114	725848	735	SAOUHSC_00740	GeneID:3920985
SAOUHSC_00741	NC_007795.1	726781	727179	399	nrdI	GeneID:3920986
SAOUHSC_00742	NC_007795.1	727082	729247	2166	SAOUHSC_00742	GeneID:3920987
SAOUHSC_00743	NC_007795.1	729365	730336	972	nrdF	GeneID:3920988
SAOUHSC_00744	NC_007795.1	730469	730573	105	SAOUHSC_00744	GeneID:3919506
SAOUHSC_00745	NC_007795.1	730850	731005	156	SAOUHSC_00745	GeneID:3919507
SAOUHSC_00746	NC_007795.1	731044	732015	972	SAOUHSC_00746	GeneID:3919508
SAOUHSC_00747	NC_007795.1	732002	732958	957	SAOUHSC_00747	GeneID:3919509
SAOUHSC_00748	NC_007795.1	732955	733716	762	SAOUHSC_00748	GeneID:3919510
SAOUHSC_00749	NC_007795.1	733835	734863	1029	SAOUHSC_00749	GeneID:3919511
SAOUHSC_00751	NC_007795.1	735180	735494	315	SAOUHSC_00751	GeneID:3919512
SAOUHSC_00752	NC_007795.1	735512	736435	924	murB	GeneID:3919513
SAOUHSC_00753	NC_007795.1	736562	737080	519	SAOUHSC_00753	GeneID:3919514
SAOUHSC_00754	NC_007795.1	737200	738078	879	SAOUHSC_00754	GeneID:3919515
SAOUHSC_00755	NC_007795.1	738232	738552	321	SAOUHSC_00755	GeneID:3919516
SAOUHSC_00756	NC_007795.1	738977	740101	1125	SAOUHSC_00756	GeneID:3919517
SAOUHSC_00757	NC_007795.1	740290	741516	1227	SAOUHSC_00757	GeneID:3919518
SAOUHSC_00758	NC_007795.1	741530	742024	495	SAOUHSC_00758	GeneID:3919519
SAOUHSC_00759	NC_007795.1	742042	742803	762	SAOUHSC_00759	GeneID:3919520
SAOUHSC_00760	NC_007795.1	742999	744069	1071	SAOUHSC_00760	GeneID:3919521
SAOUHSC_00762	NC_007795.1	744387	745442	1056	SAOUHSC_00762	GeneID:3919522
SAOUHSC_00763	NC_007795.1	745612	746253	642	SAOUHSC_00763	GeneID:3919523
SAOUHSC_00764	NC_007795.1	746397	746780	384	SAOUHSC_00764	GeneID:3919524
SAOUHSC_00765	NC_007795.1	747288	748226	939	SAOUHSC_00765	GeneID:3919057
SAOUHSC_00766	NC_007795.1	748219	748893	675	SAOUHSC_00766	GeneID:3919058
SAOUHSC_00767	NC_007795.1	748954	749526	573	SAOUHSC_00767	GeneID:3919059
SAOUHSC_00769	NC_007795.1	749940	752471	2532	secA	GeneID:3919060
SAOUHSC_00770	NC_007795.1	752513	752617	105	SAOUHSC_00770	GeneID:3919061
SAOUHSC_00771	NC_007795.1	753021	753896	876	SAOUHSC_00771	GeneID:3919062
SAOUHSC_00772	NC_007795.1	754050	754157	108	SAOUHSC_00772	GeneID:3919063
SAOUHSC_00773	NC_007795.1	754305	755144	840	SAOUHSC_00773	GeneID:3919064
SAOUHSC_00774	NC_007795.1	755318	755968	651	SAOUHSC_00774	GeneID:3919065
SAOUHSC_00775	NC_007795.1	755965	756201	237	SAOUHSC_00775	GeneID:3919066
SAOUHSC_00776	NC_007795.1	756470	757501	1032	SAOUHSC_00776	GeneID:3919067
SAOUHSC_00778	NC_007795.1	757511	758527	1017	SAOUHSC_00778	GeneID:3919068
SAOUHSC_00779	NC_007795.1	758680	759654	975	SAOUHSC_00779	GeneID:3919069
SAOUHSC_00780	NC_007795.1	759662	762508	2847	uvrA	GeneID:3919070
SAOUHSC_00781	NC_007795.1	763170	764102	933	SAOUHSC_00781	GeneID:3919071
SAOUHSC_00782	NC_007795.1	764108	764947	840	SAOUHSC_00782	GeneID:3919072
SAOUHSC_00783	NC_007795.1	764955	765440	486	SAOUHSC_00783	GeneID:3919073
SAOUHSC_00784	NC_007795.1	765448	766887	1440	SAOUHSC_00784	GeneID:3919074
SAOUHSC_00785	NC_007795.1	766954	767889	936	SAOUHSC_00785	GeneID:3919075

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SAOUHSC_00786	NC_007795.1	768263	768688	426	SAOUHSC_00786	GeneID:3919076
SAOUHSC_00787	NC_007795.1	768883	769794	912	SAOUHSC_00787	GeneID:3919351
SAOUHSC_00788	NC_007795.1	769791	770786	996	SAOUHSC_00788	GeneID:3919352
SAOUHSC_00789	NC_007795.1	770896	771840	945	SAOUHSC_00789	GeneID:3919353
SAOUHSC_00790	NC_007795.1	772413	773000	588	clpP	GeneID:3919354
SAOUHSC_00792	NC_007795.1	773243	774145	903	SAOUHSC_00792	GeneID:3919355
SAOUHSC_00793	NC_007795.1	774848	775477	630	SAOUHSC_00793	GeneID:3919356
SAOUHSC_00794	NC_007795.1	776119	777132	1014	SAOUHSC_00794	GeneID:3919357
SAOUHSC_00795	NC_007795.1	777185	778195	1011	SAOUHSC_00795	GeneID:3919358
SAOUHSC_00796	NC_007795.1	778334	779524	1191	pgk	GeneID:3919359
SAOUHSC_00797	NC_007795.1	779646	780407	762	tpiA	GeneID:3919360
SAOUHSC_00798	NC_007795.1	780410	781927	1518	SAOUHSC_00798	GeneID:3919361
SAOUHSC_00799	NC_007795.1	782057	783361	1305	eno	GeneID:3919362
SAOUHSC_00800	NC_007795.1	783701	784159	459	SAOUHSC_00800	GeneID:3919363
SAOUHSC_00801	NC_007795.1	784226	784459	234	secG	GeneID:3919364
SAOUHSC_00802	NC_007795.1	784575	785315	741	SAOUHSC_00802	GeneID:3919365
SAOUHSC_00803	NC_007795.1	785349	787721	2373	SAOUHSC_00803	GeneID:3919366
SAOUHSC_00804	NC_007795.1	787743	788207	465	smgB	GeneID:3919367
SAOUHSC_00806	NC_007795.1	789529	789852	324	SAOUHSC_00806	GeneID:3919369
SAOUHSC_00807	NC_007795.1	789868	790014	147	SAOUHSC_00807	GeneID:3919370
SAOUHSC_00808	NC_007795.1	790206	790934	729	SAOUHSC_00808	GeneID:3919371
SAOUHSC_00809	NC_007795.1	791370	791525	156	SAOUHSC_00809	GeneID:3919372
SAOUHSC_00810	NC_007795.1	791533	792054	522	SAOUHSC_00810	GeneID:3919373
SAOUHSC_00811	NC_007795.1	792193	792723	531	SAOUHSC_00811	GeneID:3919374
SAOUHSC_00812	NC_007795.1	792986	795769	2784	SAOUHSC_00812	GeneID:3919375
SAOUHSC_00816	NC_007795.1	797866	798888	1023	SAOUHSC_00816	GeneID:3919378
SAOUHSC_00817	NC_007795.1	799223	799693	471	SAOUHSC_00817	GeneID:3919379
SAOUHSC_00818	NC_007795.1	800034	800720	687	SAOUHSC_00818	GeneID:3919380
SAOUHSC_00819	NC_007795.1	801077	801277	201	SAOUHSC_00819	GeneID:3919381
SAOUHSC_00820	NC_007795.1	801773	801991	219	SAOUHSC_00820	GeneID:3919382
SAOUHSC_00821	NC_007795.1	802053	802337	285	SAOUHSC_00821	GeneID:3919383
SAOUHSC_00822	NC_007795.1	802425	802994	570	SAOUHSC_00822	GeneID:3919384
SAOUHSC_00823	NC_007795.1	803182	803370	189	SAOUHSC_00823	GeneID:3919385
SAOUHSC_00824	NC_007795.1	803399	803659	261	SAOUHSC_00824	GeneID:3919386
SAOUHSC_00825	NC_007795.1	804000	804203	204	SAOUHSC_00825	GeneID:3919387
SAOUHSC_00826	NC_007795.1	804200	804436	237	SAOUHSC_00826	GeneID:3919388
SAOUHSC_00827	NC_007795.1	804682	805242	561	SAOUHSC_00827	GeneID:3919389
SAOUHSC_00828	NC_007795.1	805315	805932	618	SAOUHSC_00828	GeneID:3918941
SAOUHSC_00830	NC_007795.1	806087	806581	495	SAOUHSC_00830	GeneID:3918942
SAOUHSC_00831	NC_007795.1	806980	807402	423	SAOUHSC_00831	GeneID:3918943
SAOUHSC_00832	NC_007795.1	807550	808266	717	SAOUHSC_00832	GeneID:3918944
SAOUHSC_00833	NC_007795.1	808349	808888	540	SAOUHSC_00833	GeneID:3918945
SAOUHSC_00834	NC_007795.1	809038	809358	321	SAOUHSC_00834	GeneID:3918946
SAOUHSC_00835	NC_007795.1	809502	809858	357	SAOUHSC_00835	GeneID:3918947
SAOUHSC_00836	NC_007795.1	810016	810396	381	SAOUHSC_00836	GeneID:3918948
SAOUHSC_00837	NC_007795.1	810460	810573	114	SAOUHSC_00837	GeneID:3918949
SAOUHSC_00838	NC_007795.1	810575	811453	879	SAOUHSC_00838	GeneID:3918950
SAOUHSC_00839	NC_007795.1	811872	811985	114	SAOUHSC_00839	GeneID:3918951
SAOUHSC_00840	NC_007795.1	812195	812581	387	SAOUHSC_00840	GeneID:3918952
SAOUHSC_00841	NC_007795.1	812574	812870	297	SAOUHSC_00841	GeneID:3918953
SAOUHSC_00842	NC_007795.1	813120	814145	1026	SAOUHSC_00842	GeneID:3918954
SAOUHSC_00843	NC_007795.1	814138	814833	696	SAOUHSC_00843	GeneID:3918955
SAOUHSC_00844	NC_007795.1	814851	815672	822	SAOUHSC_00844	GeneID:3918956
SAOUHSC_00845	NC_007795.1	816026	816220	195	SAOUHSC_00845	GeneID:3918957
SAOUHSC_00846	NC_007795.1	816453	817304	852	SAOUHSC_00846	GeneID:3918958

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SAOUHSC_00847	NC_007795.1	817632	818393	762	SAOUHSC_00847	GeneID:3918959
SAOUHSC_00848	NC_007795.1	818491	819798	1308	SAOUHSC_00848	GeneID:3918979
SAOUHSC_00849	NC_007795.1	819904	821154	1251	SAOUHSC_00849	GeneID:3918980
SAOUHSC_00850	NC_007795.1	821144	821608	465	SAOUHSC_00850	GeneID:3918981
SAOUHSC_00851	NC_007795.1	821759	823156	1398	SAOUHSC_00851	GeneID:3918982
SAOUHSC_00852	NC_007795.1	823343	823480	138	SAOUHSC_00852	GeneID:3918983
SAOUHSC_00853	NC_007795.1	823486	823800	315	SAOUHSC_00853	GeneID:3918984
SAOUHSC_00854	NC_007795.1	824165	825205	1041	SAOUHSC_00854	GeneID:3918985
SAOUHSC_00855	NC_007795.1	825219	826286	1068	SAOUHSC_00855	GeneID:3918986
SAOUHSC_00857	NC_007795.1	826353	826451	99	SAOUHSC_00857	GeneID:3918987
SAOUHSC_00858	NC_007795.1	826499	827347	849	SAOUHSC_00858	GeneID:3918988
SAOUHSC_00859	NC_007795.1	827360	828187	828	SAOUHSC_00859	GeneID:3918989
SAOUHSC_00860	NC_007795.1	828214	829533	1320	SAOUHSC_00860	GeneID:3918990
SAOUHSC_00861	NC_007795.1	829617	830534	918	SAOUHSC_00861	GeneID:3918991
SAOUHSC_00862	NC_007795.1	830664	831047	384	SAOUHSC_00862	GeneID:3918992
SAOUHSC_00863	NC_007795.1	831126	831392	267	SAOUHSC_00863	GeneID:3918993
SAOUHSC_00864	NC_007795.1	831490	831924	435	SAOUHSC_00864	GeneID:3918994
SAOUHSC_00865	NC_007795.1	831924	832703	780	SAOUHSC_00865	GeneID:3918995
SAOUHSC_00866	NC_007795.1	832811	833695	885	SAOUHSC_00866	GeneID:3918996
SAOUHSC_00867	NC_007795.1	833949	834059	111	SAOUHSC_00867	GeneID:3918997
SAOUHSC_00868	NC_007795.1	834107	834259	153	SAOUHSC_00868	GeneID:3918998
SAOUHSC_00869	NC_007795.1	834275	835732	1458	SAOUHSC_00869	GeneID:3919216
SAOUHSC_00870	NC_007795.1	835729	836943	1215	SAOUHSC_00870	GeneID:3919217
SAOUHSC_00871	NC_007795.1	836961	837197	237	SAOUHSC_00871	GeneID:3919218
SAOUHSC_00872	NC_007795.1	837194	838369	1176	SAOUHSC_00872	GeneID:3919219
SAOUHSC_00873	NC_007795.1	838632	838874	243	SAOUHSC_00873	GeneID:3919220
SAOUHSC_00874	NC_007795.1	838975	839298	324	SAOUHSC_00874	GeneID:3919221
SAOUHSC_00875	NC_007795.1	839357	840421	1065	SAOUHSC_00875	GeneID:3919222
SAOUHSC_00876	NC_007795.1	840738	840974	237	SAOUHSC_00876	GeneID:3919223
SAOUHSC_00877	NC_007795.1	840987	841346	360	SAOUHSC_00877	GeneID:3919224
SAOUHSC_00878	NC_007795.1	841800	843008	1209	SAOUHSC_00878	GeneID:3919225
SAOUHSC_00879	NC_007795.1	843139	844614	1476	SAOUHSC_00879	GeneID:3919226
SAOUHSC_00880	NC_007795.1	845025	846341	1317	SAOUHSC_00880	GeneID:3919227
SAOUHSC_00881	NC_007795.1	846360	846734	375	SAOUHSC_00881	GeneID:3919228
SAOUHSC_00882	NC_007795.1	846790	847944	1155	SAOUHSC_00882	GeneID:3919229
SAOUHSC_00883	NC_007795.1	848193	848549	357	SAOUHSC_00883	GeneID:3919230
SAOUHSC_00884	NC_007795.1	848527	848820	294	SAOUHSC_00884	GeneID:3919231
SAOUHSC_00885	NC_007795.1	848820	849299	480	SAOUHSC_00885	GeneID:3919232
SAOUHSC_00886	NC_007795.1	849301	850797	1497	SAOUHSC_00886	GeneID:3919233
SAOUHSC_00887	NC_007795.1	850790	851119	330	SAOUHSC_00887	GeneID:3919234
SAOUHSC_00888	NC_007795.1	851131	851559	429	SAOUHSC_00888	GeneID:3921734
SAOUHSC_00889	NC_007795.1	851552	853957	2406	SAOUHSC_00889	GeneID:3921735
SAOUHSC_00890	NC_007795.1	854088	854471	384	SAOUHSC_00890	GeneID:3921736
SAOUHSC_00891	NC_007795.1	854535	855128	594	SAOUHSC_00891	GeneID:3921737
SAOUHSC_00892	NC_007795.1	855577	855921	345	SAOUHSC_00892	GeneID:3921738
SAOUHSC_00893	NC_007795.1	856283	857410	1128	SAOUHSC_00893	GeneID:3921739
SAOUHSC_00894	NC_007795.1	857718	858908	1191	rocD	GeneID:3921740
SAOUHSC_00895	NC_007795.1	859017	860261	1245	SAOUHSC_00895	GeneID:3921741
SAOUHSC_00896	NC_007795.1	860487	860678	192	SAOUHSC_00896	GeneID:3921742
SAOUHSC_00897	NC_007795.1	860764	861693	930	SAOUHSC_00897	GeneID:3921743
SAOUHSC_00898	NC_007795.1	861935	863314	1380	SAOUHSC_00898	GeneID:3921744
SAOUHSC_00899	NC_007795.1	863304	864509	1206	SAOUHSC_00899	GeneID:3921745
SAOUHSC_00900	NC_007795.1	864860	866191	1332	pgi	GeneID:3921746
SAOUHSC_00901	NC_007795.1	866516	867091	576	SAOUHSC_00901	GeneID:3921747
SAOUHSC_00902	NC_007795.1	867096	867620	525	SAOUHSC_00902	GeneID:3921748

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SAOUHSC_00903	NC_007795.1	867744	868211	468	SAOUHSC_00903	GeneID:3921749
SAOUHSC_00904	NC_007795.1	868371	871847	3477	SAOUHSC_00904	GeneID:3921750
SAOUHSC_00905	NC_007795.1	871848	875501	3654	SAOUHSC_00905	GeneID:3921751
SAOUHSC_00906	NC_007795.1	875667	876569	903	SAOUHSC_00906	GeneID:3921752
SAOUHSC_00907	NC_007795.1	876898	877287	390	SAOUHSC_00907	GeneID:3921753
SAOUHSC_00908	NC_007795.1	877458	878774	1317	SAOUHSC_00908	GeneID:3920795
SAOUHSC_00909	NC_007795.1	878826	879650	825	SAOUHSC_00909	GeneID:3920796
SAOUHSC_00910	NC_007795.1	879806	880072	267	SAOUHSC_00910	GeneID:3920797
SAOUHSC_00911	NC_007795.1	880619	882433	1815	SAOUHSC_00911	GeneID:3920798
SAOUHSC_00912	NC_007795.1	882636	885245	2610	SAOUHSC_00912	GeneID:3920799
SAOUHSC_00913	NC_007795.1	885304	886173	870	SAOUHSC_00913	GeneID:3920800
SAOUHSC_00914	NC_007795.1	886283	887428	1146	SAOUHSC_00914	GeneID:3920801
SAOUHSC_00915	NC_007795.1	887412	888053	642	SAOUHSC_00915	GeneID:3920802
SAOUHSC_00916	NC_007795.1	888046	889164	1119	SAOUHSC_00916	GeneID:3920803
SAOUHSC_00917	NC_007795.1	889148	889663	516	SAOUHSC_00917	GeneID:3920804
SAOUHSC_00919	NC_007795.1	890665	890850	186	SAOUHSC_00919	GeneID:3920806
SAOUHSC_00920	NC_007795.1	891145	892086	942	SAOUHSC_00920	GeneID:3920807
SAOUHSC_00921	NC_007795.1	892098	893342	1245	SAOUHSC_00921	GeneID:3920808
SAOUHSC_00922	NC_007795.1	893397	893768	372	SAOUHSC_00922	GeneID:3920809
SAOUHSC_00923	NC_007795.1	894011	894937	927	SAOUHSC_00923	GeneID:3920810
SAOUHSC_00924	NC_007795.1	894937	896007	1071	SAOUHSC_00924	GeneID:3920811
SAOUHSC_00925	NC_007795.1	896024	897106	1083	SAOUHSC_00925	GeneID:3920812
SAOUHSC_00926	NC_007795.1	897096	898037	942	SAOUHSC_00926	GeneID:3920813
SAOUHSC_00927	NC_007795.1	898056	899711	1656	SAOUHSC_00927	GeneID:3920756
SAOUHSC_00928	NC_007795.1	899923	901638	1716	SAOUHSC_00928	GeneID:3920757
SAOUHSC_00929	NC_007795.1	901689	902675	987	SAOUHSC_00929	GeneID:3920758
SAOUHSC_00930	NC_007795.1	902678	903658	981	SAOUHSC_00930	GeneID:3920759
SAOUHSC_00931	NC_007795.1	903651	904613	963	SAOUHSC_00931	GeneID:3920760
SAOUHSC_00932	NC_007795.1	904625	905506	882	SAOUHSC_00932	GeneID:3920761
SAOUHSC_00933	NC_007795.1	905548	906537	990	SAOUHSC_00933	GeneID:3920762
SAOUHSC_00934	NC_007795.1	906832	907227	396	spxA	GeneID:3920763
SAOUHSC_00935	NC_007795.1	907598	908317	720	SAOUHSC_00935	GeneID:3920764
SAOUHSC_00936	NC_007795.1	908438	909424	987	SAOUHSC_00936	GeneID:3920765
SAOUHSC_00937	NC_007795.1	909472	911280	1809	SAOUHSC_00937	GeneID:3920766
SAOUHSC_00938	NC_007795.1	911740	912546	807	SAOUHSC_00938	GeneID:3920767
SAOUHSC_00939	NC_007795.1	912569	912886	318	SAOUHSC_00939	GeneID:3920768
SAOUHSC_00940	NC_007795.1	913038	913631	594	SAOUHSC_00940	GeneID:3920769
SAOUHSC_00941	NC_007795.1	913817	914164	348	SAOUHSC_00941	GeneID:3920770
SAOUHSC_00942	NC_007795.1	914181	914816	636	SAOUHSC_00942	GeneID:3920771
SAOUHSC_00943	NC_007795.1	914833	915642	810	ppnK	GeneID:3920772
SAOUHSC_00944	NC_007795.1	915639	916493	855	SAOUHSC_00944	GeneID:3920773
SAOUHSC_00945	NC_007795.1	916514	917899	1386	SAOUHSC_00945	GeneID:3920774
SAOUHSC_00946	NC_007795.1	917909	919753	1845	SAOUHSC_00946	GeneID:3920775
SAOUHSC_00947	NC_007795.1	920031	920801	771	SAOUHSC_00947	GeneID:3920658
SAOUHSC_00948	NC_007795.1	920996	922081	1086	SAOUHSC_00948	GeneID:3920659
SAOUHSC_00949	NC_007795.1	922423	923991	1569	SAOUHSC_00949	GeneID:3920660
SAOUHSC_00950	NC_007795.1	924133	924891	759	SAOUHSC_00950	GeneID:3920661
SAOUHSC_00951	NC_007795.1	925085	925594	510	SAOUHSC_00951	GeneID:3920662
SAOUHSC_00952	NC_007795.1	925707	926915	1209	SAOUHSC_00952	GeneID:3920663
SAOUHSC_00953	NC_007795.1	926875	928050	1176	SAOUHSC_00953	GeneID:3920664
SAOUHSC_00954	NC_007795.1	928483	929964	1482	SAOUHSC_00954	GeneID:3920665
SAOUHSC_00955	NC_007795.1	929948	930208	261	SAOUHSC_00955	GeneID:3920666
SAOUHSC_00956	NC_007795.1	930208	931770	1563	prfC	GeneID:3920667
SAOUHSC_00957	NC_007795.1	932072	932875	804	SAOUHSC_00957	GeneID:3920668
SAOUHSC_00958	NC_007795.1	933094	935418	2325	SAOUHSC_00958	GeneID:3920669

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SAOUHSC_00959	NC_007795.1	935435	936793	1359	SAOUHSC_00959	GeneID:3920670
SAOUHSC_00960	NC_007795.1	936932	938443	1512	SAOUHSC_00960	GeneID:3920671
SAOUHSC_00961	NC_007795.1	938930	939460	531	SAOUHSC_00961	GeneID:3920672
SAOUHSC_00962	NC_007795.1	939709	939927	219	SAOUHSC_00962	GeneID:3920673
SAOUHSC_00963	NC_007795.1	940008	940994	987	SAOUHSC_00963	GeneID:3920674
SAOUHSC_00964	NC_007795.1	941193	941369	177	SAOUHSC_00964	GeneID:3920675
SAOUHSC_00965	NC_007795.1	941384	941986	603	SAOUHSC_00965	GeneID:3920676
SAOUHSC_00966	NC_007795.1	942257	942364	108	SAOUHSC_00966	GeneID:3920111
SAOUHSC_00967	NC_007795.1	942903	943004	102	SAOUHSC_00967	GeneID:3920112
SAOUHSC_00968	NC_007795.1	943330	945294	1965	SAOUHSC_00968	GeneID:3920113
SAOUHSC_00969	NC_007795.1	945297	945617	321	SAOUHSC_00969	GeneID:3920114
SAOUHSC_00970	NC_007795.1	945614	946255	642	SAOUHSC_00970	GeneID:3920115
SAOUHSC_00971	NC_007795.1	946343	946633	291	SAOUHSC_00971	GeneID:3920116
SAOUHSC_00972	NC_007795.1	946912	947199	288	SAOUHSC_00972	GeneID:3920117
SAOUHSC_00973	NC_007795.1	947205	948687	1483	SAOUHSC_00973	GeneID:3920118
SAOUHSC_00975	NC_007795.1	948776	949132	357	SAOUHSC_00975	GeneID:3920120
SAOUHSC_00976	NC_007795.1	949716	950579	864	SAOUHSC_00976	GeneID:3920121
SAOUHSC_00977	NC_007795.1	950625	950756	132	SAOUHSC_00977	GeneID:3920122
SAOUHSC_00978	NC_007795.1	950820	951110	291	SAOUHSC_00978	GeneID:3920123
SAOUHSC_00979	NC_007795.1	951200	951751	552	SAOUHSC_00979	GeneID:3920124
SAOUHSC_00980	NC_007795.1	951802	952740	939	SAOUHSC_00980	GeneID:3920125
SAOUHSC_00981	NC_007795.1	952891	952995	105	SAOUHSC_00981	GeneID:3920126
SAOUHSC_00982	NC_007795.1	953072	954283	1212	SAOUHSC_00982	GeneID:3920127
SAOUHSC_00983	NC_007795.1	954270	955943	1674	SAOUHSC_00983	GeneID:3920128
SAOUHSC_00984	NC_007795.1	955930	956733	804	SAOUHSC_00984	GeneID:3920129
SAOUHSC_00985	NC_007795.1	956726	957547	822	SAOUHSC_00985	GeneID:3920130
SAOUHSC_00986	NC_007795.1	957786	958115	330	SAOUHSC_00986	GeneID:3920387
SAOUHSC_00987	NC_007795.1	958153	959334	1182	SAOUHSC_00987	GeneID:3920388
SAOUHSC_00988	NC_007795.1	959416	960426	1011	SAOUHSC_00988	GeneID:3920389
SAOUHSC_00989	NC_007795.1	960954	962108	1155	SAOUHSC_00989	GeneID:3920390
SAOUHSC_00991	NC_007795.1	962304	963314	1011	SAOUHSC_00991	GeneID:3920391
SAOUHSC_00992	NC_007795.1	963467	963886	420	SAOUHSC_00992	GeneID:3920392
SAOUHSC_00993	NC_007795.1	963913	964023	111	SAOUHSC_00993	GeneID:3920393
SAOUHSC_00994	NC_007795.1	964093	967863	3771	SAOUHSC_00994	GeneID:3920394
SAOUHSC_00995	NC_007795.1	968091	968525	435	SAOUHSC_00995	GeneID:3920395
SAOUHSC_00996	NC_007795.1	968680	969150	471	SAOUHSC_00996	GeneID:3920396
SAOUHSC_00997	NC_007795.1	969198	970415	1218	SAOUHSC_00997	GeneID:3920397
SAOUHSC_00998	NC_007795.1	970866	972059	1194	SAOUHSC_00998	GeneID:3920398
SAOUHSC_00999	NC_007795.1	972596	972874	279	SAOUHSC_00999	GeneID:3920399
SAOUHSC_01000	NC_007795.1	972883	973488	606	SAOUHSC_01000	GeneID:3920400
SAOUHSC_01001	NC_007795.1	973478	975466	1989	SAOUHSC_01001	GeneID:3920401
SAOUHSC_01002	NC_007795.1	975466	976566	1101	SAOUHSC_01002	GeneID:3920402
SAOUHSC_01003	NC_007795.1	976868	976990	123	SAOUHSC_01003	GeneID:3920403
SAOUHSC_01005	NC_007795.1	977138	977455	318	SAOUHSC_01005	GeneID:3920404
SAOUHSC_01007	NC_007795.1	978261	979121	861	SAOUHSC_01007	GeneID:3920405
SAOUHSC_01008	NC_007795.1	979385	979804	420	SAOUHSC_01008	GeneID:3920269
SAOUHSC_01009	NC_007795.1	979791	980915	1125	SAOUHSC_01009	GeneID:3920270
SAOUHSC_01010	NC_007795.1	980919	981623	705	SAOUHSC_01010	GeneID:3920271
SAOUHSC_01011	NC_007795.1	981623	981886	264	SAOUHSC_01011	GeneID:3920272
SAOUHSC_01012	NC_007795.1	981888	982559	672	SAOUHSC_01012	GeneID:3920273
SAOUHSC_01013	NC_007795.1	982552	984741	2190	SAOUHSC_01013	GeneID:3920274
SAOUHSC_01014	NC_007795.1	984720	986204	1485	SAOUHSC_01014	GeneID:3920275
SAOUHSC_01015	NC_007795.1	986197	987225	1029	SAOUHSC_01015	GeneID:3920276
SAOUHSC_01016	NC_007795.1	987228	987794	567	SAOUHSC_01016	GeneID:3920277
SAOUHSC_01017	NC_007795.1	987809	989287	1479	purH	GeneID:3920278

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SAOUHSC_01018	NC_007795.1	989309	990556	1248	SAOUHSC_01018	GeneID:3920279
SAOUHSC_01019	NC_007795.1	990821	991627	807	SAOUHSC_01019	GeneID:3920280
SAOUHSC_01021	NC_007795.1	991620	993020	1401	SAOUHSC_01021	GeneID:3920281
SAOUHSC_01022	NC_007795.1	993035	993610	576	SAOUHSC_01022	GeneID:3920282
SAOUHSC_01023	NC_007795.1	993974	994093	120	SAOUHSC_01023	GeneID:3920283
SAOUHSC_01024	NC_007795.1	994194	994328	135	SAOUHSC_01024	GeneID:3920284
SAOUHSC_01025	NC_007795.1	994480	995775	1296	SAOUHSC_01025	GeneID:3920285
SAOUHSC_01026	NC_007795.1	996200	997372	1173	SAOUHSC_01026	GeneID:3920286
SAOUHSC_01027	NC_007795.1	997426	997968	543	SAOUHSC_01027	GeneID:3920287
SAOUHSC_01028	NC_007795.1	998122	998388	267	SAOUHSC_01028	GeneID:3920288
SAOUHSC_01029	NC_007795.1	998391	1000109	1719	SAOUHSC_01029	GeneID:3919878
SAOUHSC_01030	NC_007795.1	1000346	1000579	234	SAOUHSC_01030	GeneID:3919879
SAOUHSC_01031	NC_007795.1	1000777	1002138	1362	SAOUHSC_01031	GeneID:3919880
SAOUHSC_01032	NC_007795.1	1002135	1003154	1020	SAOUHSC_01032	GeneID:3919881
SAOUHSC_01034	NC_007795.1	1003287	1003949	663	SAOUHSC_01034	GeneID:3919882
SAOUHSC_01035	NC_007795.1	1004298	1005995	1698	SAOUHSC_01035	GeneID:3919883
SAOUHSC_01036	NC_007795.1	1005995	1006213	219	SAOUHSC_01036	GeneID:3919884
SAOUHSC_01037	NC_007795.1	1006242	1006364	123	SAOUHSC_01037	GeneID:3919885
SAOUHSC_01038	NC_007795.1	1006694	1007245	552	def	GeneID:3919886
SAOUHSC_01039	NC_007795.1	1007610	1008236	627	SAOUHSC_01039	GeneID:3919887
SAOUHSC_01040	NC_007795.1	1008407	1009519	1113	SAOUHSC_01040	GeneID:3919888
SAOUHSC_01041	NC_007795.1	1009523	1010500	978	SAOUHSC_01041	GeneID:3919889
SAOUHSC_01042	NC_007795.1	1010591	1011883	1293	SAOUHSC_01042	GeneID:3919890
SAOUHSC_01043	NC_007795.1	1011887	1013293	1407	SAOUHSC_01043	GeneID:3919891
SAOUHSC_01044	NC_007795.1	1013461	1013736	276	SAOUHSC_01044	GeneID:3919892
SAOUHSC_01045	NC_007795.1	1013880	1014419	540	SAOUHSC_01045	GeneID:3919893
SAOUHSC_01046	NC_007795.1	1014432	1015526	1095	SAOUHSC_01046	GeneID:3919894
SAOUHSC_01047	NC_007795.1	1015519	1016316	798	SAOUHSC_01047	GeneID:3919895
SAOUHSC_01048	NC_007795.1	1016322	1017131	810	SAOUHSC_01048	GeneID:3919896
SAOUHSC_01049	NC_007795.1	1017131	1018204	1074	SAOUHSC_01049	GeneID:3921714
SAOUHSC_01050	NC_007795.1	1018278	1019297	1020	SAOUHSC_01050	GeneID:3921715
SAOUHSC_01051	NC_007795.1	1019580	1019999	420	SAOUHSC_01051	GeneID:3921716
SAOUHSC_01053	NC_007795.1	1020081	1021433	1353	SAOUHSC_01053	GeneID:3921717
SAOUHSC_01054	NC_007795.1	1021617	1022231	615	SAOUHSC_01054	GeneID:3921718
SAOUHSC_01055	NC_007795.1	1022388	1023215	828	SAOUHSC_01055	GeneID:3921719
SAOUHSC_01055a	NC_007795.1	1023369	1023560	192	SAOUHSC_01055a	GeneID:16830699
SAOUHSC_01058	NC_007795.1	1023662	1025509	1848	SAOUHSC_01058	GeneID:3921721
SAOUHSC_01060	NC_007795.1	1025649	1025816	168	SAOUHSC_01060	GeneID:3921722
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SAOUHSC_01062	NC_007795.1	1026441	1026716	276	SAOUHSC_01062	GeneID:3921724
SAOUHSC_01063	NC_007795.1	1027030	1028256	1227	SAOUHSC_01063	GeneID:3921725
SAOUHSC_01064	NC_007795.1	1028810	1032262	3453	SAOUHSC_01064	GeneID:3921726
SAOUHSC_01065	NC_007795.1	1032402	1033472	1071	SAOUHSC_01065	GeneID:3921727
SAOUHSC_01066	NC_007795.1	1033753	1034664	912	SAOUHSC_01066	GeneID:3921728
SAOUHSC_01067	NC_007795.1	1034689	1035150	462	SAOUHSC_01067	GeneID:3921729
SAOUHSC_01068	NC_007795.1	1035362	1035565	204	SAOUHSC_01068	GeneID:3921730
SAOUHSC_01069	NC_007795.1	1035477	1036514	1038	SAOUHSC_01069	GeneID:3921731
SAOUHSC_01070	NC_007795.1	1036530	1036964	435	SAOUHSC_01070	GeneID:3921732
SAOUHSC_01071	NC_007795.1	1037027	1037953	927	SAOUHSC_01071	GeneID:3921733
SAOUHSC_01072	NC_007795.1	1038192	1038446	255	SAOUHSC_01072	GeneID:3919235
SAOUHSC_01073	NC_007795.1	1038449	1038838	390	SAOUHSC_01073	GeneID:3919236
SAOUHSC_01074	NC_007795.1	1038980	1039450	471	SAOUHSC_01074	GeneID:3919237
SAOUHSC_01075	NC_007795.1	1039452	1039934	483	coaD	GeneID:3919238
SAOUHSC_01076	NC_007795.1	1039996	1041135	1140	SAOUHSC_01076	GeneID:3919239
SAOUHSC_01077	NC_007795.1	1041262	1041819	558	SAOUHSC_01077	GeneID:3919240

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SAOUHSC_01078	NC_007795.1	1041899	1042073	175	SAOUHSC_01078	GeneID:3919241
SAOUHSC_01079	NC_007795.1	1042227	1044164	1938	SAOUHSC_01079	GeneID:3919242
SAOUHSC_01081	NC_007795.1	1044368	1045420	1053	SAOUHSC_01081	GeneID:3919243
SAOUHSC_01082	NC_007795.1	1045629	1046312	684	SAOUHSC_01082	GeneID:3919244
SAOUHSC_01084	NC_007795.1	1046312	1047388	1077	SAOUHSC_01084	GeneID:3919245
SAOUHSC_01085	NC_007795.1	1047415	1048263	849	SAOUHSC_01085	GeneID:3919246
SAOUHSC_01086	NC_007795.1	1048276	1049052	777	SAOUHSC_01086	GeneID:3919247
SAOUHSC_01087	NC_007795.1	1048947	1049240	294	SAOUHSC_01087	GeneID:3919248
SAOUHSC_01088	NC_007795.1	1049302	1050036	735	SAOUHSC_01088	GeneID:3919249
SAOUHSC_01089	NC_007795.1	1050055	1050378	324	SAOUHSC_01089	GeneID:3919250
SAOUHSC_01090	NC_007795.1	1050415	1050522	108	SAOUHSC_01090	GeneID:3919251
SAOUHSC_01091	NC_007795.1	1050762	1051502	741	SAOUHSC_01091	GeneID:3919252
SAOUHSC_01092	NC_007795.1	1051883	1052941	1059	pheS	GeneID:3919253
SAOUHSC_01093	NC_007795.1	1052941	1055343	2403	pheT	GeneID:3920736
SAOUHSC_01095	NC_007795.1	1055514	1056452	939	SAOUHSC_01095	GeneID:3920737
SAOUHSC_01096	NC_007795.1	1056822	1057082	261	SAOUHSC_01096	GeneID:3920738
SAOUHSC_01097	NC_007795.1	1057090	1057611	522	SAOUHSC_01097	GeneID:3920739
SAOUHSC_01098	NC_007795.1	1057684	1059396	1713	SAOUHSC_01098	GeneID:3920740
SAOUHSC_01099	NC_007795.1	1059406	1061754	2349	SAOUHSC_01099	GeneID:3920741
SAOUHSC_01100	NC_007795.1	1061927	1062241	315	SAOUHSC_01100	GeneID:3920742
SAOUHSC_01101	NC_007795.1	1062304	1062399	96	SAOUHSC_01101	GeneID:3920743
SAOUHSC_01102	NC_007795.1	1062565	1064346	1782	uvrC	GeneID:3920744
SAOUHSC_01103	NC_007795.1	1064670	1065284	615	SAOUHSC_01103	GeneID:3920745
SAOUHSC_01104	NC_007795.1	1065336	1067102	1767	sdhA	GeneID:3920746
SAOUHSC_01105	NC_007795.1	1067102	1067917	816	sdhB	GeneID:3920747
SAOUHSC_01106	NC_007795.1	1068153	1068953	801	SAOUHSC_01106	GeneID:3920748
SAOUHSC_01107	NC_007795.1	1068965	1069552	588	SAOUHSC_01107	GeneID:3920749
SAOUHSC_01108	NC_007795.1	1069545	1070048	504	SAOUHSC_01108	GeneID:3920750
SAOUHSC_01109	NC_007795.1	1070176	1070343	168	SAOUHSC_01109	GeneID:3920751
SAOUHSC_01110	NC_007795.1	1070537	1070866	330	SAOUHSC_01110	GeneID:3920752
SAOUHSC_01111	NC_007795.1	1071183	1071275	93	SAOUHSC_01111	GeneID:3920753
SAOUHSC_01112	NC_007795.1	1071235	1071636	402	SAOUHSC_01112	GeneID:3920754
SAOUHSC_01113	NC_007795.1	1072308	1072814	507	SAOUHSC_01113	GeneID:3920755
SAOUHSC_01114	NC_007795.1	1073073	1073570	498	SAOUHSC_01114	GeneID:3920717
SAOUHSC_01115	NC_007795.1	1073724	1074074	351	SAOUHSC_01115	GeneID:3920718
SAOUHSC_01118	NC_007795.1	1074500	1074745	246	SAOUHSC_01118	GeneID:3920719
SAOUHSC_01119	NC_007795.1	1074896	1075081	186	SAOUHSC_01119	GeneID:3920720
SAOUHSC_01120	NC_007795.1	1075703	1075936	234	SAOUHSC_01120	GeneID:3920721
SAOUHSC_01121	NC_007795.1	1076413	1077372	960	SAOUHSC_01121	GeneID:3920722
SAOUHSC_01122	NC_007795.1	1078045	1078191	147	SAOUHSC_01122	GeneID:3920723
SAOUHSC_01123	NC_007795.1	1078148	1078372	225	SAOUHSC_01123	GeneID:3920724
SAOUHSC_01124	NC_007795.1	1078816	1079532	717	SAOUHSC_01124	GeneID:3920725
SAOUHSC_01125	NC_007795.1	1079640	1080365	726	SAOUHSC_01125	GeneID:3920726
SAOUHSC_01127	NC_007795.1	1080460	1081185	726	SAOUHSC_01127	GeneID:3920727
SAOUHSC_01128	NC_007795.1	1081623	1082624	1002	SAOUHSC_01128	GeneID:3920728
SAOUHSC_01129	NC_007795.1	1082647	1083579	933	SAOUHSC_01129	GeneID:3920729
SAOUHSC_01130	NC_007795.1	1083817	1085307	1491	SAOUHSC_01130	GeneID:3920730
SAOUHSC_01131	NC_007795.1	1085615	1085842	228	SAOUHSC_01131	GeneID:3920731
SAOUHSC_01133	NC_007795.1	1086147	1087094	948	SAOUHSC_01133	GeneID:3920732
SAOUHSC_01134	NC_007795.1	1087343	1087531	189	SAOUHSC_01134	GeneID:3920733
SAOUHSC_01135	NC_007795.1	1088443	1088577	135	SAOUHSC_01135	GeneID:3920734
SAOUHSC_01136	NC_007795.1	1088634	1088768	135	SAOUHSC_01136	GeneID:3920735
SAOUHSC_01137	NC_007795.1	1088892	1089587	696	SAOUHSC_01137	GeneID:3920697
SAOUHSC_01138	NC_007795.1	1089696	1090136	441	SAOUHSC_01138	GeneID:3920698
SAOUHSC_01139	NC_007795.1	1090331	1090558	228	SAOUHSC_01139	GeneID:3920699

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SAOUHSC_01141	NC_007795.1	1090750	1091952	1203	SAOUHSC_01141	GeneID:3920701
SAOUHSC_01142	NC_007795.1	1092096	1092527	432	SAOUHSC_01142	GeneID:3920702
SAOUHSC_01143	NC_007795.1	1092564	1093478	915	mraW	GeneID:3920703
SAOUHSC_01144	NC_007795.1	1093492	1093893	402	SAOUHSC_01144	GeneID:3920704
SAOUHSC_01145	NC_007795.1	1093874	1096108	2235	SAOUHSC_01145	GeneID:3920705
SAOUHSC_01146	NC_007795.1	1096400	1097365	966	mraY	GeneID:3920706
SAOUHSC_01147	NC_007795.1	1097367	1098716	1350	murD	GeneID:3920707
SAOUHSC_01148	NC_007795.1	1098732	1100051	1320	SAOUHSC_01148	GeneID:3920708
SAOUHSC_01149	NC_007795.1	1100157	1101569	1413	SAOUHSC_01149	GeneID:3920709
SAOUHSC_01150	NC_007795.1	1101602	1102774	1173	SAOUHSC_01150	GeneID:3920710
SAOUHSC_01152	NC_007795.1	1103160	1103825	666	SAOUHSC_01152	GeneID:3920711
SAOUHSC_01153	NC_007795.1	1103849	1104517	669	SAOUHSC_01153	GeneID:3920712
SAOUHSC_01154	NC_007795.1	1104514	1105077	564	SAOUHSC_01154	GeneID:3920713
SAOUHSC_01155	NC_007795.1	1105089	1105379	291	SAOUHSC_01155	GeneID:3920714
SAOUHSC_01156	NC_007795.1	1105462	1106268	807	SAOUHSC_01156	GeneID:3920715
SAOUHSC_01158	NC_007795.1	1106292	1106909	618	SAOUHSC_01158	GeneID:3920716
SAOUHSC_01159	NC_007795.1	1107130	1109883	2754	ileS	GeneID:3920911
SAOUHSC_01160	NC_007795.1	1110173	1110970	798	SAOUHSC_01160	GeneID:3920912
SAOUHSC_01162	NC_007795.1	1111794	1112285	492	lspA	GeneID:3920914
SAOUHSC_01163	NC_007795.1	1112285	1113202	918	SAOUHSC_01163	GeneID:3920915
SAOUHSC_01164	NC_007795.1	1113602	1114129	528	SAOUHSC_01164	GeneID:3920916
SAOUHSC_01165	NC_007795.1	1114347	1115654	1308	SAOUHSC_01165	GeneID:3920917
SAOUHSC_01166	NC_007795.1	1115682	1116563	882	pyrB	GeneID:3920918
SAOUHSC_01168	NC_007795.1	1116581	1117855	1275	pyrC	GeneID:3920919
SAOUHSC_01169	NC_007795.1	1117857	1118957	1101	SAOUHSC_01169	GeneID:3920920
SAOUHSC_01170	NC_007795.1	1118950	1122123	3174	carB	GeneID:3920921
SAOUHSC_01171	NC_007795.1	1122233	1122925	693	SAOUHSC_01171	GeneID:3920922
SAOUHSC_01172	NC_007795.1	1122925	1123536	612	pyrE	GeneID:3920923
SAOUHSC_01173	NC_007795.1	1123566	1123778	213	SAOUHSC_01173	GeneID:3920924
SAOUHSC_01174	NC_007795.1	1124215	1124616	402	SAOUHSC_01174	GeneID:3920925
SAOUHSC_01175	NC_007795.1	1124879	1126576	1698	SAOUHSC_01175	GeneID:3920926
SAOUHSC_01176	NC_007795.1	1126851	1127474	624	gmk	GeneID:3920927
SAOUHSC_01177	NC_007795.1	1127474	1127692	219	rpoZ	GeneID:3920928
SAOUHSC_01178	NC_007795.1	1127908	1129107	1200	SAOUHSC_01178	GeneID:3920929
SAOUHSC_01179	NC_007795.1	1129107	1131515	2409	SAOUHSC_01179	GeneID:3919312
SAOUHSC_01180	NC_007795.1	1132021	1132974	954	SAOUHSC_01180	GeneID:3919313
SAOUHSC_01181	NC_007795.1	1133137	1133415	279	SAOUHSC_01181	GeneID:3919314
SAOUHSC_01182	NC_007795.1	1133639	1134127	489	SAOUHSC_01182	GeneID:3919315
SAOUHSC_01183	NC_007795.1	1134120	1135055	936	SAOUHSC_01183	GeneID:3919316
SAOUHSC_01184	NC_007795.1	1135052	1136359	1308	SAOUHSC_01184	GeneID:3919317
SAOUHSC_01185	NC_007795.1	1136362	1137456	1095	SAOUHSC_01185	GeneID:3919318
SAOUHSC_01186	NC_007795.1	1137463	1138206	744	SAOUHSC_01186	GeneID:3919319
SAOUHSC_01187	NC_007795.1	1138203	1140197	1995	SAOUHSC_01187	GeneID:3919320
SAOUHSC_01188	NC_007795.1	1140425	1141300	876	SAOUHSC_01188	GeneID:3919321
SAOUHSC_01189	NC_007795.1	1141301	1141945	645	SAOUHSC_01189	GeneID:3919322
SAOUHSC_01190	NC_007795.1	1141952	1142593	642	SAOUHSC_01190	GeneID:3919323
SAOUHSC_01191	NC_007795.1	1142974	1143162	189	rpmB	GeneID:3919324
SAOUHSC_01192	NC_007795.1	1143605	1143979	375	SAOUHSC_01192	GeneID:3919325
SAOUHSC_01193	NC_007795.1	1143994	1145640	1647	SAOUHSC_01193	GeneID:3919326
SAOUHSC_01194	NC_007795.1	1145830	1147890	2061	SAOUHSC_01194	GeneID:3919327
SAOUHSC_01196	NC_007795.1	1148093	1148665	573	SAOUHSC_01196	GeneID:3919328
SAOUHSC_01197	NC_007795.1	1148670	1149656	987	SAOUHSC_01197	GeneID:3919329
SAOUHSC_01198	NC_007795.1	1149649	1150575	927	SAOUHSC_01198	GeneID:3919330
SAOUHSC_01199	NC_007795.1	1150568	1151302	735	SAOUHSC_01199	GeneID:3919331
SAOUHSC_01200	NC_007795.1	1151425	1151523	99	SAOUHSC_01200	GeneID:3919467

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SAOUHSC_01201	NC_007795.1	1151545	1151778	234	acpP	GeneID:3919468
SAOUHSC_01203	NC_007795.1	1151894	1152625	732	rnc	GeneID:3919469
SAOUHSC_01204	NC_007795.1	1152772	1156338	3567	SAOUHSC_01204	GeneID:3919470
SAOUHSC_01205	NC_007795.1	1156338	1157588	1251	SAOUHSC_01205	GeneID:3919471
SAOUHSC_01206	NC_007795.1	1157575	1157907	333	SAOUHSC_01206	GeneID:3919472
SAOUHSC_01207	NC_007795.1	1157933	1159300	1368	SAOUHSC_01207	GeneID:3919473
SAOUHSC_01208	NC_007795.1	1159735	1160010	276	rpsP	GeneID:3919474
SAOUHSC_01209	NC_007795.1	1160198	1160701	504	rimM	GeneID:3919475
SAOUHSC_01210	NC_007795.1	1160701	1161438	738	trmD	GeneID:3919476
SAOUHSC_01211	NC_007795.1	1161541	1161891	351	rplS	GeneID:3919477
SAOUHSC_01213	NC_007795.1	1162135	1164741	2607	SAOUHSC_01213	GeneID:3919479
SAOUHSC_01214	NC_007795.1	1165142	1166026	885	rbgA	GeneID:3919480
SAOUHSC_01215	NC_007795.1	1166010	1166777	768	rnhB	GeneID:3919481
SAOUHSC_01216	NC_007795.1	1166886	1168052	1167	sucC	GeneID:3919482
SAOUHSC_01218	NC_007795.1	1168074	1168982	909	SAOUHSC_01218	GeneID:3919483
SAOUHSC_01219	NC_007795.1	1169209	1170327	1119	SAOUHSC_01219	GeneID:3919484
SAOUHSC_01220	NC_007795.1	1170355	1171599	1245	SAOUHSC_01220	GeneID:3919485
SAOUHSC_01221	NC_007795.1	1171904	1172644	741	SAOUHSC_01221	GeneID:3920249
SAOUHSC_01222	NC_007795.1	1172818	1174893	2076	SAOUHSC_01222	GeneID:3920250
SAOUHSC_01223	NC_007795.1	1175049	1176356	1308	gid	GeneID:3920251
SAOUHSC_01224	NC_007795.1	1176773	1177669	897	SAOUHSC_01224	GeneID:3920252
SAOUHSC_01225	NC_007795.1	1177666	1178211	546	SAOUHSC_01225	GeneID:3920253
SAOUHSC_01226	NC_007795.1	1178277	1179680	1404	hslU	GeneID:3920254
SAOUHSC_01228	NC_007795.1	1179705	1180478	774	SAOUHSC_01228	GeneID:3920255
SAOUHSC_01230	NC_007795.1	1180529	1180621	93	SAOUHSC_01230	GeneID:3920256
SAOUHSC_01233	NC_007795.1	1181622	1181735	114	SAOUHSC_01233	GeneID:3920258
SAOUHSC_01234	NC_007795.1	1181770	1182651	882	tsf	GeneID:3920259
SAOUHSC_01235	NC_007795.1	1182788	1183510	723	pyrH	GeneID:3920260
SAOUHSC_01236	NC_007795.1	1183529	1184083	555	frr	GeneID:3920261
SAOUHSC_01237	NC_007795.1	1184456	1185226	771	SAOUHSC_01237	GeneID:3920262
SAOUHSC_01238	NC_007795.1	1185233	1186015	783	SAOUHSC_01238	GeneID:3920263
SAOUHSC_01239	NC_007795.1	1186354	1187538	1185	SAOUHSC_01239	GeneID:3920264
SAOUHSC_01240	NC_007795.1	1187558	1189261	1704	SAOUHSC_01240	GeneID:3920265
SAOUHSC_01241	NC_007795.1	1189525	1193835	4311	polC	GeneID:3920266
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SAOUHSC_01244	NC_007795.1	1195809	1196093	285	SAOUHSC_01244	GeneID:3919975
SAOUHSC_01245	NC_007795.1	1196090	1196407	318	SAOUHSC_01245	GeneID:3919976
SAOUHSC_01246	NC_007795.1	1196412	1198529	2118	infB	GeneID:3919977
SAOUHSC_01247	NC_007795.1	1198915	1199265	351	rbfA	GeneID:3919978
SAOUHSC_01248	NC_007795.1	1199434	1200351	918	SAOUHSC_01248	GeneID:3919979
SAOUHSC_01249	NC_007795.1	1200366	1201337	972	SAOUHSC_01249	GeneID:3919980
SAOUHSC_01250	NC_007795.1	1201452	1201721	270	rpsO	GeneID:3919981
SAOUHSC_01251	NC_007795.1	1202091	1204187	2097	SAOUHSC_01251	GeneID:3919982
SAOUHSC_01252	NC_007795.1	1204525	1206096	1572	SAOUHSC_01252	GeneID:3919983
SAOUHSC_01253	NC_007795.1	1206478	1208721	2244	SAOUHSC_01253	GeneID:3919984
SAOUHSC_01254	NC_007795.1	1208726	1209439	714	SAOUHSC_01254	GeneID:3919985
SAOUHSC_01255	NC_007795.1	1209470	1210735	1266	SAOUHSC_01255	GeneID:3919986
SAOUHSC_01256	NC_007795.1	1210735	1212021	1287	SAOUHSC_01256	GeneID:3919987
SAOUHSC_01257	NC_007795.1	1212021	1212725	705	SAOUHSC_01257	GeneID:3919988
SAOUHSC_01258	NC_007795.1	1212830	1213657	828	SAOUHSC_01258	GeneID:3919989
SAOUHSC_01259	NC_007795.1	1213676	1214068	393	SAOUHSC_01259	GeneID:3919990
SAOUHSC_01260	NC_007795.1	1214102	1214680	579	SAOUHSC_01260	GeneID:3919991
SAOUHSC_01261	NC_007795.1	1214907	1216058	1152	SAOUHSC_01261	GeneID:3919992
SAOUHSC_01262	NC_007795.1	1216223	1217266	1044	recA	GeneID:3919993

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SAOUHSC_01263	NC_007795.1	1217620	1219179	1560	SAOUHSC_01263	GeneID:3919916
SAOUHSC_01264	NC_007795.1	1219476	1219691	216	SAOUHSC_01264	GeneID:3919917
SAOUHSC_01265	NC_007795.1	1219865	1220662	798	SAOUHSC_01265	GeneID:3919918
SAOUHSC_01266	NC_007795.1	1220802	1222562	1761	SAOUHSC_01266	GeneID:3919919
SAOUHSC_01267	NC_007795.1	1222563	1223429	867	SAOUHSC_01267	GeneID:3919920
SAOUHSC_01268	NC_007795.1	1223523	1223816	294	SAOUHSC_01268	GeneID:3919921
SAOUHSC_01269	NC_007795.1	1223950	1225494	1545	SAOUHSC_01269	GeneID:3919922
SAOUHSC_01270	NC_007795.1	1225495	1225860	366	SAOUHSC_01270	GeneID:3919923
SAOUHSC_01271	NC_007795.1	1225887	1226378	492	SAOUHSC_01271	GeneID:3919924
SAOUHSC_01272	NC_007795.1	1226777	1229299	2523	SAOUHSC_01272	GeneID:3919925
SAOUHSC_01273	NC_007795.1	1229312	1231321	2010	mutL	GeneID:3919926
SAOUHSC_01274	NC_007795.1	1231327	1231869	543	SAOUHSC_01274	GeneID:3919927
SAOUHSC_01275	NC_007795.1	1232334	1233152	819	SAOUHSC_01275	GeneID:3919928
SAOUHSC_01276	NC_007795.1	1233281	1234777	1497	glpK	GeneID:3919929
SAOUHSC_01278	NC_007795.1	1234935	1236608	1674	SAOUHSC_01278	GeneID:3919930
SAOUHSC_01279	NC_007795.1	1236758	1237672	915	SAOUHSC_01279	GeneID:3919931
SAOUHSC_01280	NC_007795.1	1237690	1238625	936	miaA	GeneID:3919932
SAOUHSC_01281	NC_007795.1	1238640	1238873	234	SAOUHSC_01281	GeneID:3919933
SAOUHSC_01282	NC_007795.1	1239095	1239571	477	SAOUHSC_01282	GeneID:3919934
SAOUHSC_01283	NC_007795.1	1239683	1240921	1239	SAOUHSC_01283	GeneID:3919935
SAOUHSC_01284	NC_007795.1	1240940	1242178	1239	SAOUHSC_01284	GeneID:3920171
SAOUHSC_01285	NC_007795.1	1242421	1242789	369	SAOUHSC_01285	GeneID:3920172
SAOUHSC_01287	NC_007795.1	1242808	1244148	1341	SAOUHSC_01287	GeneID:3920173
SAOUHSC_01288	NC_007795.1	1244641	1244838	198	SAOUHSC_01288	GeneID:3920174
SAOUHSC_01289	NC_007795.1	1245527	1245751	225	SAOUHSC_01289	GeneID:3920175
SAOUHSC_01290	NC_007795.1	1246045	1246251	207	SAOUHSC_01290	GeneID:3920176
SAOUHSC_01291	NC_007795.1	1246952	1247062	111	SAOUHSC_01291	GeneID:3920177
SAOUHSC_01292	NC_007795.1	1247490	1247675	186	SAOUHSC_01292	GeneID:3920178
SAOUHSC_01293	NC_007795.1	1248187	1248291	105	SAOUHSC_01293	GeneID:3920179
SAOUHSC_01294	NC_007795.1	1248246	1248419	174	SAOUHSC_01294	GeneID:3920180
SAOUHSC_01295	NC_007795.1	1248420	1248671	252	SAOUHSC_01295	GeneID:3920181
SAOUHSC_01296	NC_007795.1	1248717	1249301	585	SAOUHSC_01296	GeneID:3920182
SAOUHSC_01297	NC_007795.1	1249422	1249670	249	SAOUHSC_01297	GeneID:3920183
SAOUHSC_01298	NC_007795.1	1249705	1249827	123	SAOUHSC_01298	GeneID:3920184
SAOUHSC_01299	NC_007795.1	1249800	1249901	102	SAOUHSC_01299	GeneID:3920185
SAOUHSC_01300	NC_007795.1	1249947	1250213	267	SAOUHSC_01300	GeneID:3920186
SAOUHSC_01301	NC_007795.1	1250210	1250347	138	SAOUHSC_01301	GeneID:3920187
SAOUHSC_01303	NC_007795.1	1250604	1251065	462	SAOUHSC_01303	GeneID:3920189
SAOUHSC_01304	NC_007795.1	1251076	1251270	195	SAOUHSC_01304	GeneID:3920131
SAOUHSC_01305	NC_007795.1	1251320	1251661	342	SAOUHSC_01305	GeneID:3920132
SAOUHSC_01306	NC_007795.1	1251668	1251859	192	SAOUHSC_01306	GeneID:3920133
SAOUHSC_01307	NC_007795.1	1252408	1253433	1026	SAOUHSC_01307	GeneID:3920134
SAOUHSC_01310	NC_007795.1	1253958	1255439	1482	SAOUHSC_01310	GeneID:3920136
SAOUHSC_01311	NC_007795.1	1255614	1256522	909	SAOUHSC_01311	GeneID:3920137
SAOUHSC_01312	NC_007795.1	1256491	1257222	732	SAOUHSC_01312	GeneID:3920138
SAOUHSC_01313	NC_007795.1	1257226	1258317	1092	SAOUHSC_01313	GeneID:3920139
SAOUHSC_01314	NC_007795.1	1258314	1258916	603	SAOUHSC_01314	GeneID:3920140
SAOUHSC_01315	NC_007795.1	1259029	1259217	189	SAOUHSC_01315	GeneID:3920141
SAOUHSC_01316	NC_007795.1	1259356	1259889	534	SAOUHSC_01316	GeneID:3920142
SAOUHSC_01317	NC_007795.1	1260032	1260886	855	SAOUHSC_01317	GeneID:3920143
SAOUHSC_01318	NC_007795.1	1261217	1261792	576	SAOUHSC_01318	GeneID:3920144
SAOUHSC_01319	NC_007795.1	1261846	1263228	1383	SAOUHSC_01319	GeneID:3920145
SAOUHSC_01320	NC_007795.1	1263419	1264699	1281	SAOUHSC_01320	GeneID:3920146
SAOUHSC_01321	NC_007795.1	1264705	1265766	1062	SAOUHSC_01321	GeneID:3920147
SAOUHSC_01322	NC_007795.1	1265768	1266682	915	SAOUHSC_01322	GeneID:3920148

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SAOUHSC_01323	NC_007795.1	1266740	1267543	804	SAOUHSC_01323	GeneID:3920149
SAOUHSC_01324	NC_007795.1	1267836	1268150	315	SAOUHSC_01324	GeneID:3920150
SAOUHSC_01325	NC_007795.1	1268125	1268229	105	SAOUHSC_01325	GeneID:3920190
SAOUHSC_01326	NC_007795.1	1268368	1269822	1455	SAOUHSC_01326	GeneID:3920191
SAOUHSC_01327	NC_007795.1	1270122	1271543	1422	SAOUHSC_01327	GeneID:3920192
SAOUHSC_01328	NC_007795.1	1271634	1271783	150	rpmG	GeneID:3920193
SAOUHSC_01329	NC_007795.1	1272237	1272506	270	rpsN	GeneID:3920194
SAOUHSC_01330	NC_007795.1	1272663	1273640	978	SAOUHSC_01330	GeneID:3920195
SAOUHSC_01331	NC_007795.1	1273637	1273741	105	SAOUHSC_01331	GeneID:3920196
SAOUHSC_01332	NC_007795.1	1273815	1274678	864	SAOUHSC_01332	GeneID:3920197
SAOUHSC_01333	NC_007795.1	1275058	1275681	624	SAOUHSC_01333	GeneID:3920198
SAOUHSC_01334	NC_007795.1	1275824	1276057	234	SAOUHSC_01334	GeneID:3920199
SAOUHSC_01336	NC_007795.1	1276193	1276432	240	SAOUHSC_01336	GeneID:3920200
SAOUHSC_01337	NC_007795.1	1276664	1278541	1878	SAOUHSC_01337	GeneID:3920201
SAOUHSC_01338	NC_007795.1	1278774	1279061	288	SAOUHSC_01338	GeneID:3920202
SAOUHSC_01339	NC_007795.1	1279048	1279146	99	SAOUHSC_01339	GeneID:3920203
SAOUHSC_01340	NC_007795.1	1279279	1279707	429	SAOUHSC_01340	GeneID:3920204
SAOUHSC_01341	NC_007795.1	1279831	1280952	1122	SAOUHSC_01341	GeneID:3920205
SAOUHSC_01343	NC_007795.1	1280956	1283986	3031	SAOUHSC_01343	GeneID:3920207
SAOUHSC_01346	NC_007795.1	1284623	1286269	1647	SAOUHSC_01346	GeneID:3920052
SAOUHSC_01347	NC_007795.1	1287161	1289866	2706	SAOUHSC_01347	GeneID:3920053
SAOUHSC_01348	NC_007795.1	1290046	1290513	468	SAOUHSC_01348	GeneID:3920054
SAOUHSC_01349	NC_007795.1	1290720	1291016	297	SAOUHSC_01349	GeneID:3920055
SAOUHSC_01350	NC_007795.1	1291392	1292000	609	SAOUHSC_01350	GeneID:3920056
SAOUHSC_01351	NC_007795.1	1292206	1294197	1992	SAOUHSC_01351	GeneID:3920057
SAOUHSC_01352	NC_007795.1	1294197	1296599	2403	SAOUHSC_01352	GeneID:3920058
SAOUHSC_01353	NC_007795.1	1296727	1296825	99	SAOUHSC_01353	GeneID:3920059
SAOUHSC_01354	NC_007795.1	1296849	1298309	1461	SAOUHSC_01354	GeneID:3920060
SAOUHSC_01356	NC_007795.1	1298809	1299660	852	SAOUHSC_01356	GeneID:3920061
SAOUHSC_01357	NC_007795.1	1299635	1299802	168	SAOUHSC_01357	GeneID:3920062
SAOUHSC_01358	NC_007795.1	1299795	1301003	1209	SAOUHSC_01358	GeneID:3920063
SAOUHSC_01359	NC_007795.1	1301484	1304006	2523	SAOUHSC_01359	GeneID:3920064
SAOUHSC_01360	NC_007795.1	1304209	1304718	510	SAOUHSC_01360	GeneID:3920065
SAOUHSC_01361	NC_007795.1	1304855	1305838	984	SAOUHSC_01361	GeneID:3920066
SAOUHSC_01362	NC_007795.1	1305926	1306111	186	SAOUHSC_01362	GeneID:3920067
SAOUHSC_01363	NC_007795.1	1306259	1307521	1263	SAOUHSC_01363	GeneID:3920068
SAOUHSC_01364	NC_007795.1	1307658	1308749	1092	SAOUHSC_01364	GeneID:3920069
SAOUHSC_01365	NC_007795.1	1308914	1309945	1032	SAOUHSC_01365	GeneID:3920070
SAOUHSC_01366	NC_007795.1	1310437	1311843	1407	SAOUHSC_01366	GeneID:3920071
SAOUHSC_01367	NC_007795.1	1311840	1312406	567	SAOUHSC_01367	GeneID:3920776
SAOUHSC_01368	NC_007795.1	1312412	1313410	999	trpD	GeneID:3920777
SAOUHSC_01369	NC_007795.1	1313412	1314194	783	trpC	GeneID:3920778
SAOUHSC_01370	NC_007795.1	1314194	1314826	633	SAOUHSC_01370	GeneID:3920779
SAOUHSC_01371	NC_007795.1	1314819	1316033	1215	SAOUHSC_01371	GeneID:3920780
SAOUHSC_01372	NC_007795.1	1316026	1316754	729	trpA	GeneID:3920781
SAOUHSC_01373	NC_007795.1	1317076	1318338	1263	SAOUHSC_01373	GeneID:3920782
SAOUHSC_01374	NC_007795.1	1318357	1319616	1260	SAOUHSC_01374	GeneID:3920783
SAOUHSC_01375	NC_007795.1	1320299	1321066	768	SAOUHSC_01375	GeneID:3920784
SAOUHSC_01376	NC_007795.1	1321114	1321587	474	SAOUHSC_01376	GeneID:3920785
SAOUHSC_01377	NC_007795.1	1321711	1322412	702	SAOUHSC_01377	GeneID:3920786
SAOUHSC_01378	NC_007795.1	1322405	1323178	774	SAOUHSC_01378	GeneID:3920787
SAOUHSC_01379	NC_007795.1	1323165	1323995	831	SAOUHSC_01379	GeneID:3920788
SAOUHSC_01380	NC_007795.1	1323988	1324974	987	SAOUHSC_01380	GeneID:3920789
SAOUHSC_01381	NC_007795.1	1325145	1325330	186	SAOUHSC_01381	GeneID:3920790
SAOUHSC_01382	NC_007795.1	1325278	1325622	345	SAOUHSC_01382	GeneID:3920791

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SAOUHSC_01383	NC_007795.1	1325827	1327641	1815	SAOUHSC_01383	GeneID:3920792
SAOUHSC_01384	NC_007795.1	1327781	1328422	642	SAOUHSC_01384	GeneID:3920793
SAOUHSC_01385	NC_007795.1	1328429	1329280	852	SAOUHSC_01385	GeneID:3920794
SAOUHSC_01386	NC_007795.1	1329327	1330244	918	SAOUHSC_01386	GeneID:3920677
SAOUHSC_01387	NC_007795.1	1330246	1331172	927	SAOUHSC_01387	GeneID:3920678
SAOUHSC_01388	NC_007795.1	1331232	1331339	108	SAOUHSC_01388	GeneID:3920679
SAOUHSC_01389	NC_007795.1	1331363	1332346	984	SAOUHSC_01389	GeneID:3920680
SAOUHSC_01391	NC_007795.1	1333318	1334220	903	SAOUHSC_01391	GeneID:3920682
SAOUHSC_01392	NC_007795.1	1334367	1335968	1602	SAOUHSC_01392	GeneID:3920683
SAOUHSC_01394	NC_007795.1	1336828	1338033	1206	SAOUHSC_01394	GeneID:3920684
SAOUHSC_01395	NC_007795.1	1338097	1339086	990	SAOUHSC_01395	GeneID:3920685
SAOUHSC_01396	NC_007795.1	1339088	1339975	888	SAOUHSC_01396	GeneID:3920686
SAOUHSC_01397	NC_007795.1	1340002	1340694	693	SAOUHSC_01397	GeneID:3920687
SAOUHSC_01398	NC_007795.1	1340721	1341440	720	SAOUHSC_01398	GeneID:3920688
SAOUHSC_01399	NC_007795.1	1341583	1342734	1152	SAOUHSC_01399	GeneID:3920689
SAOUHSC_01400	NC_007795.1	1342739	1343824	1086	SAOUHSC_01400	GeneID:3920690
SAOUHSC_01401	NC_007795.1	1343814	1345079	1266	SAOUHSC_01401	GeneID:3920691
SAOUHSC_01402	NC_007795.1	1345319	1345720	402	SAOUHSC_01402	GeneID:3920692
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SAOUHSC_01405	NC_007795.1	1346288	1346596	309	SAOUHSC_01405	GeneID:3920695
SAOUHSC_01406	NC_007795.1	1346759	1347028	270	SAOUHSC_01406	GeneID:3920696
SAOUHSC_01407	NC_007795.1	1347047	1347676	630	SAOUHSC_01407	GeneID:3920639
SAOUHSC_01408	NC_007795.1	1347708	1348844	1137	SAOUHSC_01408	GeneID:3920640
SAOUHSC_01409	NC_007795.1	1348900	1349503	604	SAOUHSC_01409	GeneID:3920641
SAOUHSC_01411	NC_007795.1	1349856	1351199	1344	SAOUHSC_01411	GeneID:3920643
SAOUHSC_01412	NC_007795.1	1351424	1353310	1887	SAOUHSC_01412	GeneID:3920644
SAOUHSC_01413	NC_007795.1	1353324	1354115	792	SAOUHSC_01413	GeneID:3920645
SAOUHSC_01414	NC_007795.1	1354296	1354499	204	SAOUHSC_01414	GeneID:3920646
SAOUHSC_01415	NC_007795.1	1354528	1355337	810	SAOUHSC_01415	GeneID:3920647
SAOUHSC_01416	NC_007795.1	1355917	1357185	1269	SAOUHSC_01416	GeneID:3920648
SAOUHSC_01418	NC_007795.1	1357199	1359997	2799	sucA	GeneID:3920649
SAOUHSC_01419	NC_007795.1	1360281	1361636	1356	SAOUHSC_01419	GeneID:3920650
SAOUHSC_01420	NC_007795.1	1361633	1362292	660	SAOUHSC_01420	GeneID:3920651
SAOUHSC_01421	NC_007795.1	1362554	1362685	132	SAOUHSC_01421	GeneID:3920652
SAOUHSC_01422	NC_007795.1	1362762	1362962	201	SAOUHSC_01422	GeneID:3920653
SAOUHSC_01423	NC_007795.1	1363079	1363693	615	SAOUHSC_01423	GeneID:3920654
SAOUHSC_01424	NC_007795.1	1363710	1364780	1071	murG	GeneID:3920655
SAOUHSC_01425	NC_007795.1	1364792	1365301	510	SAOUHSC_01425	GeneID:3920656
SAOUHSC_01427	NC_007795.1	1365701	1367191	1491	SAOUHSC_01427	GeneID:3920657
SAOUHSC_01429	NC_007795.1	1367383	1367604	222	SAOUHSC_01429	GeneID:3920210
SAOUHSC_01430	NC_007795.1	1367604	1368104	501	SAOUHSC_01430	GeneID:3920211
SAOUHSC_01431	NC_007795.1	1368116	1368544	429	SAOUHSC_01431	GeneID:3920212
SAOUHSC_01432	NC_007795.1	1368537	1369070	534	SAOUHSC_01432	GeneID:3920213
SAOUHSC_01433	NC_007795.1	1369156	1369995	840	SAOUHSC_01433	GeneID:3920214
SAOUHSC_01434	NC_007795.1	1370010	1370489	480	SAOUHSC_01434	GeneID:3920215
SAOUHSC_01435	NC_007795.1	1370689	1371645	957	thyA	GeneID:3920216
SAOUHSC_01436	NC_007795.1	1372069	1372506	438	SAOUHSC_01436	GeneID:3920217
SAOUHSC_01437	NC_007795.1	1372522	1373646	1125	SAOUHSC_01437	GeneID:3920218
SAOUHSC_01438	NC_007795.1	1373684	1373935	252	SAOUHSC_01438	GeneID:3920219
SAOUHSC_01439	NC_007795.1	1373947	1374168	222	SAOUHSC_01439	GeneID:3920220
SAOUHSC_01440	NC_007795.1	1374386	1375090	705	SAOUHSC_01440	GeneID:3920221
SAOUHSC_01441	NC_007795.1	1375155	1375286	132	SAOUHSC_01441	GeneID:3920222
SAOUHSC_01443	NC_007795.1	1375631	1376032	402	SAOUHSC_01443	GeneID:3920224
SAOUHSC_01447	NC_007795.1	1376091	1404698	28608	SAOUHSC_01447	GeneID:3920225
SAOUHSC_01448	NC_007795.1	1405096	1406487	1392	SAOUHSC_01448	GeneID:3920226

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SAOUHSC_01450	NC_007795.1	1406644	1407966	1323	SAOUHSC_01450	GeneID:3920227
SAOUHSC_01451	NC_007795.1	1407997	1409037	1041	SAOUHSC_01451	GeneID:3920228
SAOUHSC_01452	NC_007795.1	1409132	1410250	1119	SAOUHSC_01452	GeneID:3919897
SAOUHSC_01454	NC_007795.1	1410725	1411603	879	SAOUHSC_01454	GeneID:3919898
SAOUHSC_01455	NC_007795.1	1411623	1415063	3441	SAOUHSC_01455	GeneID:3919899
SAOUHSC_01456	NC_007795.1	1415367	1416707	1341	SAOUHSC_01456	GeneID:3919900
SAOUHSC_01459	NC_007795.1	1416913	1417245	333	SAOUHSC_01459	GeneID:3919902
SAOUHSC_01460	NC_007795.1	1417329	1418474	1146	SAOUHSC_01460	GeneID:3919903
SAOUHSC_01462	NC_007795.1	1419125	1419469	345	SAOUHSC_01462	GeneID:3919904
SAOUHSC_01463	NC_007795.1	1419483	1420046	564	SAOUHSC_01463	GeneID:3919905
SAOUHSC_01464	NC_007795.1	1420039	1420389	351	SAOUHSC_01464	GeneID:3919906
SAOUHSC_01466	NC_007795.1	1420878	1421555	678	recU	GeneID:3919908
SAOUHSC_01467	NC_007795.1	1421552	1423735	2184	SAOUHSC_01467	GeneID:3919909
SAOUHSC_01468	NC_007795.1	1424301	1424642	342	SAOUHSC_01468	GeneID:3919910
SAOUHSC_01469	NC_007795.1	1424647	1425306	660	SAOUHSC_01469	GeneID:3919911
SAOUHSC_01470	NC_007795.1	1425296	1425982	687	SAOUHSC_01470	GeneID:3919912
SAOUHSC_01471	NC_007795.1	1426310	1427602	1293	asnC	GeneID:3919913
SAOUHSC_01472	NC_007795.1	1427924	1430617	2694	SAOUHSC_01472	GeneID:3919914
SAOUHSC_01473	NC_007795.1	1430641	1431612	972	SAOUHSC_01473	GeneID:3919915
SAOUHSC_01474	NC_007795.1	1431599	1432801	1203	SAOUHSC_01474	GeneID:3920229
SAOUHSC_01475	NC_007795.1	1432806	1433948	1143	SAOUHSC_01475	GeneID:3920230
SAOUHSC_01476	NC_007795.1	1434189	1434506	318	SAOUHSC_01476	GeneID:3920231
SAOUHSC_01477	NC_007795.1	1434843	1435523	681	SAOUHSC_01477	GeneID:3920232
SAOUHSC_01478	NC_007795.1	1435595	1436182	588	SAOUHSC_01478	GeneID:3920233
SAOUHSC_01479	NC_007795.1	1436172	1436747	576	SAOUHSC_01479	GeneID:3920234
SAOUHSC_01480	NC_007795.1	1436761	1437864	1104	SAOUHSC_01480	GeneID:3920235
SAOUHSC_01481	NC_007795.1	1438012	1439310	1299	SAOUHSC_01481	GeneID:3920236
SAOUHSC_01482	NC_007795.1	1439320	1440384	1065	aroB	GeneID:3920237
SAOUHSC_01483	NC_007795.1	1440410	1441576	1167	SAOUHSC_01483	GeneID:3920238
SAOUHSC_01484	NC_007795.1	1441962	1442162	201	SAOUHSC_01484	GeneID:3920239
SAOUHSC_01485	NC_007795.1	1442371	1442802	432	ndk	GeneID:3920240
SAOUHSC_01486	NC_007795.1	1442912	1443856	945	SAOUHSC_01486	GeneID:3920241
SAOUHSC_01487	NC_007795.1	1443873	1444475	603	ubiE	GeneID:3920242
SAOUHSC_01488	NC_007795.1	1444601	1445173	573	SAOUHSC_01488	GeneID:3920243
SAOUHSC_01489	NC_007795.1	1445100	1445414	315	SAOUHSC_01489	GeneID:3920244
SAOUHSC_01490	NC_007795.1	1445604	1445876	273	SAOUHSC_01490	GeneID:3920245
SAOUHSC_01491	NC_007795.1	1446047	1447045	999	gpsA	GeneID:3920246
SAOUHSC_01492	NC_007795.1	1447062	1448372	1311	engA	GeneID:3920247
SAOUHSC_01493	NC_007795.1	1448594	1449769	1176	rpsA	GeneID:3920248
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SAOUHSC_01495	NC_007795.1	1450334	1450450	117	SAOUHSC_01495	GeneID:3919039
SAOUHSC_01496	NC_007795.1	1450481	1451140	660	cmk	GeneID:3919040
SAOUHSC_01497	NC_007795.1	1451217	1452185	969	SAOUHSC_01497	GeneID:3919041
SAOUHSC_01499	NC_007795.1	1452300	1453286	987	SAOUHSC_01499	GeneID:3919042
SAOUHSC_01500	NC_007795.1	1453447	1453563	117	SAOUHSC_01500	GeneID:3919043
SAOUHSC_01501	NC_007795.1	1453688	1455148	1461	SAOUHSC_01501	GeneID:3919044
SAOUHSC_01502	NC_007795.1	1455301	1456680	1380	SAOUHSC_01502	GeneID:3919045
SAOUHSC_01503	NC_007795.1	1456670	1457623	954	SAOUHSC_01503	GeneID:3919046
SAOUHSC_01504	NC_007795.1	1457755	1457979	225	SAOUHSC_01504	GeneID:3919047
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SAOUHSC_01507	NC_007795.1	1458909	1459028	120	SAOUHSC_01507	GeneID:3919049
SAOUHSC_01508	NC_007795.1	1459227	1460141	915	SAOUHSC_01508	GeneID:3919050
SAOUHSC_01510	NC_007795.1	1460156	1460362	207	SAOUHSC_01510	GeneID:3919051
SAOUHSC_01511	NC_007795.1	1460355	1461245	891	SAOUHSC_01511	GeneID:3919052
SAOUHSC_01512	NC_007795.1	1461363	1462280	918	SAOUHSC_01512	GeneID:3919053

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SAOUHSC_01513	NC_007795.1	1462371	1462718	348	SAOUHSC_01513	GeneID:3919054
SAOUHSC_01514	NC_007795.1	1462963	1463799	837	SAOUHSC_01514	GeneID:3919055
SAOUHSC_01515	NC_007795.1	1464415	1465869	1455	SAOUHSC_01515	GeneID:3919056
SAOUHSC_01516	NC_007795.1	1465880	1466182	303	SAOUHSC_01516	GeneID:3920619
SAOUHSC_01517	NC_007795.1	1466318	1466617	300	SAOUHSC_01517	GeneID:3920620
SAOUHSC_01518	NC_007795.1	1466663	1466827	165	SAOUHSC_01518	GeneID:3920621
SAOUHSC_01519	NC_007795.1	1466820	1467209	390	SAOUHSC_01519	GeneID:3920622
SAOUHSC_01520	NC_007795.1	1467209	1468675	1467	SAOUHSC_01520	GeneID:3920623
SAOUHSC_01521	NC_007795.1	1468675	1470585	1911	SAOUHSC_01521	GeneID:3920624
SAOUHSC_01522	NC_007795.1	1470601	1470891	291	SAOUHSC_01522	GeneID:3920625
SAOUHSC_01523	NC_007795.1	1470891	1472474	1584	SAOUHSC_01523	GeneID:3920626
SAOUHSC_01524	NC_007795.1	1472483	1473307	825	SAOUHSC_01524	GeneID:3920627
SAOUHSC_01525	NC_007795.1	1473307	1479507	6201	SAOUHSC_01525	GeneID:3920628
SAOUHSC_01526	NC_007795.1	1479521	1479679	159	SAOUHSC_01526	GeneID:3920629
SAOUHSC_01527	NC_007795.1	1479721	1480071	351	SAOUHSC_01527	GeneID:3920630
SAOUHSC_01528	NC_007795.1	1480129	1480584	456	SAOUHSC_01528	GeneID:3920631
SAOUHSC_01529	NC_007795.1	1480676	1481317	642	SAOUHSC_01529	GeneID:3920632
SAOUHSC_01530	NC_007795.1	1481352	1481747	396	SAOUHSC_01530	GeneID:3920633
SAOUHSC_01531	NC_007795.1	1481748	1482149	402	SAOUHSC_01531	GeneID:3920634
SAOUHSC_01532	NC_007795.1	1482146	1482478	333	SAOUHSC_01532	GeneID:3920635
SAOUHSC_01533	NC_007795.1	1482490	1482768	279	SAOUHSC_01533	GeneID:3920636
SAOUHSC_01535	NC_007795.1	1482837	1484000	1164	SAOUHSC_01535	GeneID:3920637
SAOUHSC_01536	NC_007795.1	1484012	1484785	774	SAOUHSC_01536	GeneID:3920638
SAOUHSC_01537	NC_007795.1	1484769	1486007	1239	SAOUHSC_01537	GeneID:3920580
SAOUHSC_01538	NC_007795.1	1486012	1487703	1692	SAOUHSC_01538	GeneID:3920581
SAOUHSC_01539	NC_007795.1	1487693	1487998	306	SAOUHSC_01539	GeneID:3920582
SAOUHSC_01540	NC_007795.1	1488120	1488434	315	SAOUHSC_01540	GeneID:3920583
SAOUHSC_01541	NC_007795.1	1488591	1489028	438	SAOUHSC_01541	GeneID:3920584
SAOUHSC_01542	NC_007795.1	1489041	1490408	1368	SAOUHSC_01542	GeneID:3920585
SAOUHSC_01543	NC_007795.1	1490389	1490679	291	SAOUHSC_01543	GeneID:3920586
SAOUHSC_01544	NC_007795.1	1490813	1490917	105	SAOUHSC_01544	GeneID:3920587
SAOUHSC_01545	NC_007795.1	1491020	1491310	291	SAOUHSC_01545	GeneID:3920588
SAOUHSC_01547	NC_007795.1	1491472	1493469	1998	SAOUHSC_01547	GeneID:3920590
SAOUHSC_01548	NC_007795.1	1493521	1493721	201	SAOUHSC_01548	GeneID:3920591
SAOUHSC_01550	NC_007795.1	1493944	1494144	201	SAOUHSC_01550	GeneID:3920593
SAOUHSC_01551	NC_007795.1	1494119	1494307	189	SAOUHSC_01551	GeneID:3920594
SAOUHSC_01552	NC_007795.1	1494344	1494886	543	SAOUHSC_01552	GeneID:3920595
SAOUHSC_01553	NC_007795.1	1494891	1495127	237	SAOUHSC_01553	GeneID:3920596
SAOUHSC_01556	NC_007795.1	1495769	1496170	402	SAOUHSC_01556	GeneID:3920151
SAOUHSC_01557	NC_007795.1	1496173	1496379	207	SAOUHSC_01557	GeneID:3920152
SAOUHSC_01558	NC_007795.1	1496393	1496635	243	SAOUHSC_01558	GeneID:3920153
SAOUHSC_01559	NC_007795.1	1496650	1496850	201	SAOUHSC_01559	GeneID:3920154
SAOUHSC_01560	NC_007795.1	1496853	1497110	258	SAOUHSC_01560	GeneID:3920155
SAOUHSC_01561	NC_007795.1	1497110	1497511	402	SAOUHSC_01561	GeneID:3920156
SAOUHSC_01562	NC_007795.1	1497511	1497696	186	SAOUHSC_01562	GeneID:3920157
SAOUHSC_01563	NC_007795.1	1497709	1499661	1953	SAOUHSC_01563	GeneID:3920158
SAOUHSC_01565	NC_007795.1	1499730	1500287	558	SAOUHSC_01565	GeneID:3920159
SAOUHSC_01566	NC_007795.1	1500313	1501479	1167	SAOUHSC_01566	GeneID:3920160
SAOUHSC_01567	NC_007795.1	1501476	1501838	363	SAOUHSC_01567	GeneID:3920161
SAOUHSC_01568	NC_007795.1	1501853	1502176	324	SAOUHSC_01568	GeneID:3920162
SAOUHSC_01569	NC_007795.1	1502255	1502416	162	SAOUHSC_01569	GeneID:3920163
SAOUHSC_01570	NC_007795.1	1502429	1502692	264	SAOUHSC_01570	GeneID:3920164
SAOUHSC_01571	NC_007795.1	1502717	1502932	216	SAOUHSC_01571	GeneID:3920165
SAOUHSC_01572	NC_007795.1	1502987	1503352	366	SAOUHSC_01572	GeneID:3920166
SAOUHSC_01573	NC_007795.1	1503321	1503566	246	SAOUHSC_01573	GeneID:3920167

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SAOUHSC_01574	NC_007795.1	1503582	1503845	264	SAOUHSC_01574	GeneID:3920168
SAOUHSC_01575	NC_007795.1	1503978	1504691	714	SAOUHSC_01575	GeneID:3920169
SAOUHSC_01576	NC_007795.1	1504707	1505639	933	SAOUHSC_01576	GeneID:3920170
SAOUHSC_01577	NC_007795.1	1505645	1505986	342	SAOUHSC_01577	GeneID:3919994
SAOUHSC_01578	NC_007795.1	1506145	1506372	228	SAOUHSC_01578	GeneID:3919995
SAOUHSC_01579	NC_007795.1	1506409	1506555	147	SAOUHSC_01579	GeneID:3919996
SAOUHSC_01580	NC_007795.1	1506552	1507166	615	SAOUHSC_01580	GeneID:3919997
SAOUHSC_01582	NC_007795.1	1507292	1508497	1206	SAOUHSC_01582	GeneID:3919998
SAOUHSC_01583	NC_007795.1	1508540	1510567	2028	SAOUHSC_01583	GeneID:3919999
SAOUHSC_01584	NC_007795.1	1510560	1511429	870	SAOUHSC_01584	GeneID:3920000
SAOUHSC_01585	NC_007795.1	1511734	1513485	1752	SAOUHSC_01585	GeneID:3920001
SAOUHSC_01586	NC_007795.1	1513466	1514191	726	SAOUHSC_01586	GeneID:3920002
SAOUHSC_01587	NC_007795.1	1514324	1515061	738	SAOUHSC_01587	GeneID:3920003
SAOUHSC_01588	NC_007795.1	1515054	1515596	543	SAOUHSC_01588	GeneID:3920004
SAOUHSC_01589	NC_007795.1	1515589	1516320	732	SAOUHSC_01589	GeneID:3920005
SAOUHSC_01590	NC_007795.1	1516412	1516918	507	SAOUHSC_01590	GeneID:3920006
SAOUHSC_01591	NC_007795.1	1516996	1517883	888	SAOUHSC_01591	GeneID:3920007
SAOUHSC_01592	NC_007795.1	1517932	1518381	450	SAOUHSC_01592	GeneID:3920008
SAOUHSC_01593	NC_007795.1	1518486	1519028	543	SAOUHSC_01593	GeneID:3920009
SAOUHSC_01594	NC_007795.1	1519110	1520018	909	SAOUHSC_01594	GeneID:3920010
SAOUHSC_01595	NC_007795.1	1520234	1520482	249	SAOUHSC_01595	GeneID:3920011
SAOUHSC_01596	NC_007795.1	1520498	1521253	756	SAOUHSC_01596	GeneID:3920012
SAOUHSC_01597	NC_007795.1	1521425	1522210	786	SAOUHSC_01597	GeneID:3920013
SAOUHSC_01598	NC_007795.1	1522315	1523235	921	SAOUHSC_01598	GeneID:3920014
SAOUHSC_01599	NC_007795.1	1523548	1525032	1485	SAOUHSC_01599	GeneID:3920015
SAOUHSC_01600	NC_007795.1	1525235	1526128	894	SAOUHSC_01600	GeneID:3920016
SAOUHSC_01601	NC_007795.1	1526211	1527860	1650	SAOUHSC_01601	GeneID:3920017
SAOUHSC_01602	NC_007795.1	1527876	1528895	1020	SAOUHSC_01602	GeneID:3920018
SAOUHSC_01603	NC_007795.1	1528896	1529150	255	SAOUHSC_01603	GeneID:3920019
SAOUHSC_01604	NC_007795.1	1529089	1529460	372	SAOUHSC_01604	GeneID:3920020
SAOUHSC_01605	NC_007795.1	1529679	1531085	1407	SAOUHSC_01605	GeneID:3920021
SAOUHSC_01606	NC_007795.1	1531153	1532286	1134	SAOUHSC_01606	GeneID:3920022
SAOUHSC_01607	NC_007795.1	1532549	1532728	180	SAOUHSC_01607	GeneID:3920023
SAOUHSC_01608	NC_007795.1	1532809	1532901	93	SAOUHSC_01608	GeneID:3920024
SAOUHSC_01609	NC_007795.1	1532855	1533835	981	SAOUHSC_01609	GeneID:3920025
SAOUHSC_01610	NC_007795.1	1533849	1534286	438	SAOUHSC_01610	GeneID:3920026
SAOUHSC_01611	NC_007795.1	1534637	1535911	1275	SAOUHSC_01611	GeneID:3920027
SAOUHSC_01612	NC_007795.1	1535924	1536907	984	SAOUHSC_01612	GeneID:3920028
SAOUHSC_01613	NC_007795.1	1536907	1537899	993	SAOUHSC_01613	GeneID:3920029
SAOUHSC_01614	NC_007795.1	1537915	1539336	1422	SAOUHSC_01614	GeneID:3920030
SAOUHSC_01615	NC_007795.1	1539487	1541166	1680	SAOUHSC_01615	GeneID:3920031
SAOUHSC_01617	NC_007795.1	1541182	1541634	453	SAOUHSC_01617	GeneID:3920032
SAOUHSC_01618	NC_007795.1	1542066	1542947	882	SAOUHSC_01618	GeneID:3919956
SAOUHSC_01619	NC_007795.1	1542925	1543155	231	SAOUHSC_01619	GeneID:3919957
SAOUHSC_01620	NC_007795.1	1543148	1544485	1338	xseA	GeneID:3919958
SAOUHSC_01621	NC_007795.1	1544502	1544891	390	nusB	GeneID:3919959
SAOUHSC_01622	NC_007795.1	1544951	1545313	363	SAOUHSC_01622	GeneID:3919960
SAOUHSC_01623	NC_007795.1	1545328	1546683	1356	SAOUHSC_01623	GeneID:3919961
SAOUHSC_01624	NC_007795.1	1546683	1547147	465	SAOUHSC_01624	GeneID:3919962
SAOUHSC_01625	NC_007795.1	1547621	1548178	558	SAOUHSC_01625	GeneID:3919963
SAOUHSC_01626	NC_007795.1	1548204	1549265	1062	SAOUHSC_01626	GeneID:3919964
SAOUHSC_01627	NC_007795.1	1549370	1549951	582	SAOUHSC_01627	GeneID:3919965
SAOUHSC_01628	NC_007795.1	1549965	1550183	219	SAOUHSC_01628	GeneID:3919966
SAOUHSC_01629	NC_007795.1	1550247	1551077	831	SAOUHSC_01629	GeneID:3919967
SAOUHSC_01630	NC_007795.1	1551235	1551621	387	SAOUHSC_01630	GeneID:3919968

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SAOUHSC_01632	NC_007795.1	1551986	1553458	1473	SAOUHSC_01632	GeneID:3919969
SAOUHSC_01633	NC_007795.1	1553451	1554797	1347	SAOUHSC_01633	GeneID:3919970
SAOUHSC_01634	NC_007795.1	1554817	1555908	1092	gcvT	GeneID:3919971
SAOUHSC_01635	NC_007795.1	1556067	1556591	525	SAOUHSC_01635	GeneID:3919972
SAOUHSC_01636	NC_007795.1	1556581	1556727	147	SAOUHSC_01636	GeneID:3919973
SAOUHSC_01637	NC_007795.1	1556824	1557321	498	SAOUHSC_01637	GeneID:3919974
SAOUHSC_01638	NC_007795.1	1557239	1557559	321	SAOUHSC_01638	GeneID:3920091
SAOUHSC_01639	NC_007795.1	1557525	1557971	447	SAOUHSC_01639	GeneID:3920092
SAOUHSC_01640	NC_007795.1	1557949	1558260	312	SAOUHSC_01640	GeneID:3920093
SAOUHSC_01641	NC_007795.1	1558274	1559194	921	SAOUHSC_01641	GeneID:3920094
SAOUHSC_01643	NC_007795.1	1559316	1560290	975	SAOUHSC_01643	GeneID:3920095
SAOUHSC_01644	NC_007795.1	1560342	1560965	624	SAOUHSC_01644	GeneID:3920096
SAOUHSC_01645	NC_007795.1	1560962	1561291	330	SAOUHSC_01645	GeneID:3920097
SAOUHSC_01646	NC_007795.1	1561291	1562277	987	SAOUHSC_01646	GeneID:3920098
SAOUHSC_01647	NC_007795.1	1562274	1562477	204	SAOUHSC_01647	GeneID:3920099
SAOUHSC_01649	NC_007795.1	1562458	1563921	1464	SAOUHSC_01649	GeneID:3920101
SAOUHSC_01650	NC_007795.1	1563933	1564472	540	SAOUHSC_01650	GeneID:3920102
SAOUHSC_01651	NC_007795.1	1564681	1564830	150	rpmG	GeneID:3920103
SAOUHSC_01652	NC_007795.1	1564943	1567018	2076	SAOUHSC_01652	GeneID:3920104
SAOUHSC_01653	NC_007795.1	1567139	1567738	600	SAOUHSC_01653	GeneID:3920105
SAOUHSC_01655	NC_007795.1	1568014	1568424	411	SAOUHSC_01655	GeneID:3920106
SAOUHSC_01656	NC_007795.1	1568411	1569274	864	SAOUHSC_01656	GeneID:3920107
SAOUHSC_01657	NC_007795.1	1569316	1570101	786	SAOUHSC_01657	GeneID:3920108
SAOUHSC_01658	NC_007795.1	1570227	1571117	891	SAOUHSC_01658	GeneID:3920109
SAOUHSC_01659	NC_007795.1	1571127	1572473	1347	SAOUHSC_01659	GeneID:3920110
SAOUHSC_01660	NC_007795.1	1572587	1573687	1101	SAOUHSC_01660	GeneID:3920072
SAOUHSC_01661	NC_007795.1	1573690	1574367	678	SAOUHSC_01661	GeneID:3920073
SAOUHSC_01662	NC_007795.1	1574498	1575604	1107	SAOUHSC_01662	GeneID:3920074
SAOUHSC_01663	NC_007795.1	1575828	1577627	1800	SAOUHSC_01663	GeneID:3920075
SAOUHSC_01664	NC_007795.1	1577688	1578506	819	SAOUHSC_01664	GeneID:3920076
SAOUHSC_01665	NC_007795.1	1578517	1579056	540	SAOUHSC_01665	GeneID:3920077
SAOUHSC_01666	NC_007795.1	1579475	1580866	1392	SAOUHSC_01666	GeneID:3920078
SAOUHSC_01667	NC_007795.1	1581016	1581762	747	SAOUHSC_01667	GeneID:3920079
SAOUHSC_01668	NC_007795.1	1581790	1582689	900	era	GeneID:3920080
SAOUHSC_01670	NC_007795.1	1582690	1583094	405	SAOUHSC_01670	GeneID:3920082
SAOUHSC_01671	NC_007795.1	1583105	1583449	345	SAOUHSC_01671	GeneID:3920083
SAOUHSC_01672	NC_007795.1	1583452	1583919	468	SAOUHSC_01672	GeneID:3920084
SAOUHSC_01673	NC_007795.1	1583920	1584867	948	SAOUHSC_01673	GeneID:3920085
SAOUHSC_01675	NC_007795.1	1585171	1585869	699	SAOUHSC_01675	GeneID:3920086
SAOUHSC_01676	NC_007795.1	1585886	1586875	990	SAOUHSC_01676	GeneID:3920087
SAOUHSC_01677	NC_007795.1	1586893	1587576	684	SAOUHSC_01677	GeneID:3920088
SAOUHSC_01678	NC_007795.1	1587820	1587996	177	rpsU	GeneID:3920089
SAOUHSC_01679	NC_007795.1	1588289	1589635	1347	SAOUHSC_01679	GeneID:3920090
SAOUHSC_01680	NC_007795.1	1589642	1590394	753	SAOUHSC_01680	GeneID:3921792
SAOUHSC_01681	NC_007795.1	1590396	1591334	939	prmA	GeneID:3921793
SAOUHSC_01682	NC_007795.1	1591338	1592477	1140	SAOUHSC_01682	GeneID:3921794
SAOUHSC_01683	NC_007795.1	1592613	1594445	1833	dnaK	GeneID:3921795
SAOUHSC_01684	NC_007795.1	1594514	1595140	627	SAOUHSC_01684	GeneID:3921796
SAOUHSC_01685	NC_007795.1	1595172	1596149	978	SAOUHSC_01685	GeneID:3921797
SAOUHSC_01686	NC_007795.1	1596250	1597374	1125	SAOUHSC_01686	GeneID:3921798
SAOUHSC_01687	NC_007795.1	1597626	1597754	129	SAOUHSC_01687	GeneID:3921799
SAOUHSC_01688	NC_007795.1	1597937	1599760	1824	SAOUHSC_01688	GeneID:3921800
SAOUHSC_01689	NC_007795.1	1600106	1600357	252	rpsT	GeneID:3921801
SAOUHSC_01690	NC_007795.1	1600402	1601376	975	holA	GeneID:3921802
SAOUHSC_01691	NC_007795.1	1601433	1603580	2148	SAOUHSC_01691	GeneID:3921803

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SAOUHSC_01692	NC_007795.1	1603639	1604070	432	SAOUHSC_01692	GeneID:3921804
SAOUHSC_01693	NC_007795.1	1604192	1604878	687	SAOUHSC_01693	GeneID:3921805
SAOUHSC_01694	NC_007795.1	1604918	1605634	717	SAOUHSC_01694	GeneID:3921806
SAOUHSC_01695	NC_007795.1	1605637	1605990	354	SAOUHSC_01695	GeneID:3921807
SAOUHSC_01696	NC_007795.1	1605991	1606575	585	SAOUHSC_01696	GeneID:3921808
SAOUHSC_01697	NC_007795.1	1606565	1607134	570	SAOUHSC_01697	GeneID:3921809
SAOUHSC_01698	NC_007795.1	1607137	1607427	291	SAOUHSC_01698	GeneID:3921810
SAOUHSC_01699	NC_007795.1	1607431	1608237	807	SAOUHSC_01699	GeneID:3921811
SAOUHSC_01700	NC_007795.1	1608251	1609351	1101	SAOUHSC_01700	GeneID:3921090
SAOUHSC_01701	NC_007795.1	1609352	1609879	528	SAOUHSC_01701	GeneID:3921091
SAOUHSC_01702	NC_007795.1	1609899	1610585	687	SAOUHSC_01702	GeneID:3921092
SAOUHSC_01704	NC_007795.1	1610899	1611168	270	SAOUHSC_01704	GeneID:3921094
SAOUHSC_01705	NC_007795.1	1611370	1612074	705	SAOUHSC_01705	GeneID:3921095
SAOUHSC_01706	NC_007795.1	1612536	1613756	1221	SAOUHSC_01706	GeneID:3921096
SAOUHSC_01707	NC_007795.1	1614045	1615274	1230	SAOUHSC_01707	GeneID:3921097
SAOUHSC_01708	NC_007795.1	1615287	1616039	753	SAOUHSC_01708	GeneID:3921098
SAOUHSC_01709	NC_007795.1	1616039	1617400	1362	SAOUHSC_01709	GeneID:3921099
SAOUHSC_01710	NC_007795.1	1617414	1617863	450	SAOUHSC_01710	GeneID:3921100
SAOUHSC_01711	NC_007795.1	1617865	1618779	915	SAOUHSC_01711	GeneID:3921101
SAOUHSC_01712	NC_007795.1	1618865	1619566	702	SAOUHSC_01712	GeneID:3921102
SAOUHSC_01714	NC_007795.1	1619925	1620401	477	greA	GeneID:3921103
SAOUHSC_01715	NC_007795.1	1620429	1621052	624	SAOUHSC_01715	GeneID:3921104
SAOUHSC_01716	NC_007795.1	1621052	1622320	1269	SAOUHSC_01716	GeneID:3921105
SAOUHSC_01717	NC_007795.1	1622332	1623255	924	SAOUHSC_01717	GeneID:3921106
SAOUHSC_01718	NC_007795.1	1623258	1623896	639	SAOUHSC_01718	GeneID:3921107
SAOUHSC_01719	NC_007795.1	1624181	1624489	309	SAOUHSC_01719	GeneID:3921108
SAOUHSC_01720	NC_007795.1	1624504	1624932	429	SAOUHSC_01720	GeneID:3921070
SAOUHSC_01721	NC_007795.1	1624936	1625196	261	SAOUHSC_01721	GeneID:3921071
SAOUHSC_01722	NC_007795.1	1625259	1627889	2631	alaS	GeneID:3921072
SAOUHSC_01723	NC_007795.1	1628232	1630709	2478	SAOUHSC_01723	GeneID:3921073
SAOUHSC_01724	NC_007795.1	1630711	1631379	669	SAOUHSC_01724	GeneID:3921074
SAOUHSC_01726	NC_007795.1	1631841	1632958	1118	SAOUHSC_01726	GeneID:3921076
SAOUHSC_01727	NC_007795.1	1632959	1634101	1143	SAOUHSC_01727	GeneID:3921077
SAOUHSC_01728	NC_007795.1	1634413	1635426	1014	SAOUHSC_01728	GeneID:3921078
SAOUHSC_01729	NC_007795.1	1635663	1635809	147	SAOUHSC_01729	GeneID:3921079
SAOUHSC_01730	NC_007795.1	1635849	1636031	183	SAOUHSC_01730	GeneID:3921080
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SAOUHSC_01735	NC_007795.1	1638074	1638847	774	SAOUHSC_01735	GeneID:3921084
SAOUHSC_01736	NC_007795.1	1638847	1638975	129	SAOUHSC_01736	GeneID:3921085
SAOUHSC_01737	NC_007795.1	1639308	1641074	1767	aspS	GeneID:3921086
SAOUHSC_01738	NC_007795.1	1641090	1642352	1263	hisS	GeneID:3921087
SAOUHSC_01739	NC_007795.1	1642813	1643688	876	SAOUHSC_01739	GeneID:3921088
SAOUHSC_01741	NC_007795.1	1643685	1644137	453	SAOUHSC_01741	GeneID:3921089
SAOUHSC_01742	NC_007795.1	1644149	1646338	2190	SAOUHSC_01742	GeneID:3920542
SAOUHSC_01743	NC_007795.1	1646766	1647284	519	SAOUHSC_01743	GeneID:3920543
SAOUHSC_01744	NC_007795.1	1647306	1649579	2274	SAOUHSC_01744	GeneID:3920544
SAOUHSC_01746	NC_007795.1	1649782	1652061	2280	SAOUHSC_01746	GeneID:3920545
SAOUHSC_01747	NC_007795.1	1652336	1652596	261	SAOUHSC_01747	GeneID:3920546
SAOUHSC_01748	NC_007795.1	1652615	1653754	1140	tgt	GeneID:3920547
SAOUHSC_01749	NC_007795.1	1653777	1654802	1026	queA	GeneID:3920548
SAOUHSC_01750	NC_007795.1	1654804	1655808	1005	ruvB	GeneID:3920549
SAOUHSC_01751	NC_007795.1	1655840	1656442	603	ruvA	GeneID:3920550
SAOUHSC_01752	NC_007795.1	1656456	1656911	456	SAOUHSC_01752	GeneID:3920551
SAOUHSC_01753	NC_007795.1	1656924	1658216	1293	obgE	GeneID:3920552

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SAOUHSC_01755	NC_007795.1	1658571	1658855	285 rpmA	GeneID:3920553
SAOUHSC_01756	NC_007795.1	1658867	1659187	321 SAOUHSC_01756	GeneID:3920554
SAOUHSC_01757	NC_007795.1	1659193	1659501	309 rplU	GeneID:3920555
SAOUHSC_01758	NC_007795.1	1659668	1660198	531 SAOUHSC_01758	GeneID:3920556
SAOUHSC_01759	NC_007795.1	1660198	1661040	843 SAOUHSC_01759	GeneID:3920557
SAOUHSC_01760	NC_007795.1	1661240	1661359	120 SAOUHSC_01760	GeneID:3920558
SAOUHSC_01761	NC_007795.1	1661433	1661906	474 SAOUHSC_01761	GeneID:3920559
SAOUHSC_01761a	NC_007795.1	1662066	1662263	198 SAOUHSC_01761a	GeneID:16830702
SAOUHSC_01762	NC_007795.1	1662380	1662664	285 SAOUHSC_01762	GeneID:3920560
SAOUHSC_01763	NC_007795.1	1662732	1663388	657 radC	GeneID:3919681
SAOUHSC_01764	NC_007795.1	1663415	1664122	708 SAOUHSC_01764	GeneID:3919682
SAOUHSC_01765	NC_007795.1	1664224	1664334	111 SAOUHSC_01765	GeneID:3919683
SAOUHSC_01766	NC_007795.1	1664392	1665663	1272 SAOUHSC_01766	GeneID:3919684
SAOUHSC_01767	NC_007795.1	1665676	1668306	2631 valS	GeneID:3919685
SAOUHSC_01768	NC_007795.1	1668709	1669269	561 SAOUHSC_01768	GeneID:3919686
SAOUHSC_01769	NC_007795.1	1669492	1670565	1074 SAOUHSC_01769	GeneID:3919687
SAOUHSC_01770	NC_007795.1	1670599	1670700	102 SAOUHSC_01770	GeneID:3919688
SAOUHSC_01771	NC_007795.1	1670761	1672047	1287 SAOUHSC_01771	GeneID:3919689
SAOUHSC_01772	NC_007795.1	1672095	1673069	975 SAOUHSC_01772	GeneID:3919690
SAOUHSC_01773	NC_007795.1	1673072	1673740	669 SAOUHSC_01773	GeneID:3919691
SAOUHSC_01774	NC_007795.1	1673762	1674688	927 hemC	GeneID:3919692
SAOUHSC_01775	NC_007795.1	1674730	1675545	816 SAOUHSC_01775	GeneID:3919693
SAOUHSC_01776	NC_007795.1	1675567	1676913	1347 hemA	GeneID:3919694
SAOUHSC_01777	NC_007795.1	1677130	1677720	591 engB	GeneID:3919695
SAOUHSC_01778	NC_007795.1	1677874	1679136	1263 clpX	GeneID:3919696
SAOUHSC_01779	NC_007795.1	1679287	1680588	1302 tig	GeneID:3919697
SAOUHSC_01780	NC_007795.1	1680636	1680746	111 SAOUHSC_01780	GeneID:3919698
SAOUHSC_01781	NC_007795.1	1680751	1681680	930 SAOUHSC_01781	GeneID:3919699
SAOUHSC_01782	NC_007795.1	1681699	1682307	609 SAOUHSC_01782	GeneID:3919700
SAOUHSC_01783	NC_007795.1	1682384	1682485	102 SAOUHSC_01783	GeneID:3920425
SAOUHSC_01784	NC_007795.1	1682449	1682805	357 rplT	GeneID:3920426
SAOUHSC_01785	NC_007795.1	1682852	1683052	201 rpml	GeneID:3920427
SAOUHSC_01786	NC_007795.1	1683081	1683608	528 infC	GeneID:3920428
SAOUHSC_01787	NC_007795.1	1683837	1685330	1494 SAOUHSC_01787	GeneID:3920429
SAOUHSC_01788	NC_007795.1	1685756	1687693	1938 thrS	GeneID:3920430
SAOUHSC_01789	NC_007795.1	1687891	1688013	123 SAOUHSC_01789	GeneID:3920431
SAOUHSC_01791	NC_007795.1	1688106	1689026	921 SAOUHSC_01791	GeneID:3920432
SAOUHSC_01792	NC_007795.1	1689026	1690426	1401 SAOUHSC_01792	GeneID:3920433
SAOUHSC_01793	NC_007795.1	1690427	1690897	471 nrdR	GeneID:3920434
SAOUHSC_01794	NC_007795.1	1691107	1692132	1026 SAOUHSC_01794	GeneID:3920435
SAOUHSC_01795	NC_007795.1	1692302	1692925	624 coaE	GeneID:3920436
SAOUHSC_01796	NC_007795.1	1692941	1693813	873 SAOUHSC_01796	GeneID:3920437
SAOUHSC_01797	NC_007795.1	1693829	1696459	2631 SAOUHSC_01797	GeneID:3920438
SAOUHSC_01798	NC_007795.1	1696753	1698240	1488 SAOUHSC_01798	GeneID:3920439
SAOUHSC_01799	NC_007795.1	1698739	1700400	1662 SAOUHSC_01799	GeneID:3920440
SAOUHSC_01800	NC_007795.1	1700400	1701104	705 SAOUHSC_01800	GeneID:3920441
SAOUHSC_01801	NC_007795.1	1701494	1702762	1269 SAOUHSC_01801	GeneID:3920442
SAOUHSC_01802	NC_007795.1	1702811	1703668	858 SAOUHSC_01802	GeneID:3920443
SAOUHSC_01803	NC_007795.1	1704280	1705641	1362 SAOUHSC_01803	GeneID:3919273
SAOUHSC_01805	NC_007795.1	1705886	1707325	1440 SAOUHSC_01805	GeneID:3919275
SAOUHSC_01806	NC_007795.1	1707966	1709723	1758 SAOUHSC_01806	GeneID:3919276
SAOUHSC_01807	NC_007795.1	1709745	1710668	924 SAOUHSC_01807	GeneID:3919277
SAOUHSC_01808	NC_007795.1	1710982	1711926	945 SAOUHSC_01808	GeneID:3919278
SAOUHSC_01809	NC_007795.1	1711926	1712783	858 SAOUHSC_01809	GeneID:3919279
SAOUHSC_01810	NC_007795.1	1712978	1714207	1230 SAOUHSC_01810	GeneID:3919280

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SAOUHSC_01811	NC_007795.1	1714657	1717854	3198	SAOUHSC_01811	GeneID:3919281
SAOUHSC_01812	NC_007795.1	1717875	1718816	942	SAOUHSC_01812	GeneID:3919282
SAOUHSC_01813	NC_007795.1	1719077	1720375	1299	SAOUHSC_01813	GeneID:3919283
SAOUHSC_01814	NC_007795.1	1720580	1720993	414	SAOUHSC_01814	GeneID:3919284
SAOUHSC_01815	NC_007795.1	1721298	1721987	690	SAOUHSC_01815	GeneID:3919285
SAOUHSC_01816	NC_007795.1	1722162	1723217	1056	SAOUHSC_01816	GeneID:3919286
SAOUHSC_01817	NC_007795.1	1723311	1723409	99	SAOUHSC_01817	GeneID:3919287
SAOUHSC_01818	NC_007795.1	1723533	1724651	1119	SAOUHSC_01818	GeneID:3919288
SAOUHSC_01819	NC_007795.1	1724792	1725292	501	SAOUHSC_01819	GeneID:3919289
SAOUHSC_01820	NC_007795.1	1725538	1726740	1203	SAOUHSC_01820	GeneID:3919290
SAOUHSC_01821	NC_007795.1	1726828	1727775	948	SAOUHSC_01821	GeneID:3919291
SAOUHSC_01822	NC_007795.1	1727898	1728392	495	tpx	GeneID:3919292
SAOUHSC_01823	NC_007795.1	1728490	1729260	771	SAOUHSC_01823	GeneID:3921773
SAOUHSC_01824	NC_007795.1	1729304	1730527	1224	SAOUHSC_01824	GeneID:3921774
SAOUHSC_01825	NC_007795.1	1730527	1731675	1149	SAOUHSC_01825	GeneID:3921775
SAOUHSC_01826	NC_007795.1	1731824	1731964	141	SAOUHSC_01826	GeneID:3921776
SAOUHSC_01827	NC_007795.1	1732038	1733732	1695	SAOUHSC_01827	GeneID:3921777
SAOUHSC_01828	NC_007795.1	1733869	1734333	465	SAOUHSC_01828	GeneID:3921778
SAOUHSC_01829	NC_007795.1	1734577	1735179	603	rpsD	GeneID:3921779
SAOUHSC_01830	NC_007795.1	1735395	1736138	744	SAOUHSC_01830	GeneID:3921780
SAOUHSC_01831	NC_007795.1	1736218	1736664	447	SAOUHSC_01831	GeneID:3921781
SAOUHSC_01832	NC_007795.1	1736778	1737938	1161	SAOUHSC_01832	GeneID:3921782
SAOUHSC_01833	NC_007795.1	1737925	1739529	1605	SAOUHSC_01833	GeneID:3921783
SAOUHSC_01834	NC_007795.1	1739623	1739718	96	SAOUHSC_01834	GeneID:3921784
SAOUHSC_01835	NC_007795.1	1739679	1740809	1131	SAOUHSC_01835	GeneID:3921785
SAOUHSC_01836	NC_007795.1	1740916	1742382	1467	SAOUHSC_01836	GeneID:3921786
SAOUHSC_01837	NC_007795.1	1742510	1743127	618	SAOUHSC_01837	GeneID:3921787
SAOUHSC_01838	NC_007795.1	1743299	1744573	1275	SAOUHSC_01838	GeneID:3921788
SAOUHSC_01839	NC_007795.1	1744667	1745929	1263	SAOUHSC_01839	GeneID:3921789
SAOUHSC_01840	NC_007795.1	1746311	1747216	906	SAOUHSC_01840	GeneID:3921790
SAOUHSC_01841	NC_007795.1	1747196	1747288	93	SAOUHSC_01841	GeneID:3921791
SAOUHSC_01843	NC_007795.1	1747419	1750106	2688	SAOUHSC_01843	GeneID:3920522
SAOUHSC_01844	NC_007795.1	1750105	1750194	90	SAOUHSC_01844	GeneID:3920523
SAOUHSC_01845	NC_007795.1	1750440	1752107	1668	SAOUHSC_01845	GeneID:3920524
SAOUHSC_01846	NC_007795.1	1752547	1754253	1707	SAOUHSC_01846	GeneID:3920525
SAOUHSC_01847	NC_007795.1	1754422	1755054	633	SAOUHSC_01847	GeneID:3920526
SAOUHSC_01849	NC_007795.1	1755079	1756248	1170	SAOUHSC_01849	GeneID:3920527
SAOUHSC_01850	NC_007795.1	1756346	1757335	990	SAOUHSC_01850	GeneID:3920528
SAOUHSC_01851	NC_007795.1	1757408	1757521	114	SAOUHSC_01851	GeneID:3920529
SAOUHSC_01852	NC_007795.1	1757875	1758966	1092	SAOUHSC_01852	GeneID:3920530
SAOUHSC_01853	NC_007795.1	1759427	1759531	105	SAOUHSC_01853	GeneID:3920531
SAOUHSC_01854	NC_007795.1	1759666	1761183	1518	SAOUHSC_01854	GeneID:3920532
SAOUHSC_01855	NC_007795.1	1761257	1761748	492	SAOUHSC_01855	GeneID:3920533
SAOUHSC_01856	NC_007795.1	1761822	1763135	1314	murC	GeneID:3920534
SAOUHSC_01857	NC_007795.1	1763159	1766983	3825	SAOUHSC_01857	GeneID:3920535
SAOUHSC_01858	NC_007795.1	1767004	1767600	597	SAOUHSC_01858	GeneID:3920536
SAOUHSC_01859	NC_007795.1	1767629	1768486	858	SAOUHSC_01859	GeneID:3920537
SAOUHSC_01860	NC_007795.1	1768586	1768897	312	SAOUHSC_01860	GeneID:3920538
SAOUHSC_01861	NC_007795.1	1768962	1770038	1077	SAOUHSC_01861	GeneID:3920539
SAOUHSC_01863	NC_007795.1	1770125	1770436	312	SAOUHSC_01863	GeneID:3920540
SAOUHSC_01864	NC_007795.1	1770561	1771403	843	SAOUHSC_01864	GeneID:3920541
SAOUHSC_01865	NC_007795.1	1771873	1772517	645	trmB	GeneID:3921754
SAOUHSC_01866	NC_007795.1	1772532	1773257	726	SAOUHSC_01866	GeneID:3921755
SAOUHSC_01867	NC_007795.1	1773873	1774721	849	SAOUHSC_01867	GeneID:3921756
SAOUHSC_01868	NC_007795.1	1774725	1776134	1410	SAOUHSC_01868	GeneID:3921757

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SAOUHSC_01869	NC_007795.1	1776998	1777420	423	SAOUHSC_01869	GeneID:3921758
SAOUHSC_01870	NC_007795.1	1777437	1778132	696	SAOUHSC_01870	GeneID:3921759
SAOUHSC_01871	NC_007795.1	1778129	1779790	1662	SAOUHSC_01871	GeneID:3921760
SAOUHSC_01872	NC_007795.1	1780197	1781465	1269	SAOUHSC_01872	GeneID:3921761
SAOUHSC_01873	NC_007795.1	1781582	1788142	6561	SAOUHSC_01873	GeneID:3921762
SAOUHSC_01874	NC_007795.1	1788485	1788796	312	SAOUHSC_01874	GeneID:3921763
SAOUHSC_01875	NC_007795.1	1788818	1791235	2418	leuS	GeneID:3921764
SAOUHSC_01876	NC_007795.1	1791523	1792704	1182	SAOUHSC_01876	GeneID:3921765
SAOUHSC_01877	NC_007795.1	1792814	1793767	954	SAOUHSC_01877	GeneID:3921766
SAOUHSC_01878	NC_007795.1	1793764	1794327	564	SAOUHSC_01878	GeneID:3921767
SAOUHSC_01879	NC_007795.1	1794447	1794848	402	SAOUHSC_01879	GeneID:3921768
SAOUHSC_01880	NC_007795.1	1795368	1796080	713	SAOUHSC_01880	GeneID:3921769
SAOUHSC_01882	NC_007795.1	1796427	1797254	828	SAOUHSC_01882	GeneID:3921771
SAOUHSC_01883	NC_007795.1	1797257	1797376	120	SAOUHSC_01883	GeneID:3921772
SAOUHSC_01884	NC_007795.1	1797488	1798489	1002	SAOUHSC_01884	GeneID:3920833
SAOUHSC_01886	NC_007795.1	1798611	1799075	465	ribH	GeneID:3920834
SAOUHSC_01887	NC_007795.1	1799088	1800269	1182	SAOUHSC_01887	GeneID:3920835
SAOUHSC_01888	NC_007795.1	1800280	1800912	633	SAOUHSC_01888	GeneID:3920836
SAOUHSC_01889	NC_007795.1	1800919	1801923	1005	SAOUHSC_01889	GeneID:3920837
SAOUHSC_01890	NC_007795.1	1802443	1803945	1503	SAOUHSC_01890	GeneID:3920838
SAOUHSC_01891	NC_007795.1	1804468	1804782	315	SAOUHSC_01891	GeneID:3920839
SAOUHSC_01893	NC_007795.1	1804782	1806074	1293	SAOUHSC_01893	GeneID:3920840
SAOUHSC_01894	NC_007795.1	1806092	1806487	396	SAOUHSC_01894	GeneID:3920841
SAOUHSC_01895	NC_007795.1	1806782	1807636	855	SAOUHSC_01895	GeneID:3920842
SAOUHSC_01896	NC_007795.1	1807912	1808136	225	SAOUHSC_01896	GeneID:3920843
SAOUHSC_01897	NC_007795.1	1808335	1808805	471	SAOUHSC_01897	GeneID:3920844
SAOUHSC_01898	NC_007795.1	1808918	1809361	444	SAOUHSC_01898	GeneID:3920845
SAOUHSC_01899	NC_007795.1	1809348	1809791	444	SAOUHSC_01899	GeneID:3920846
SAOUHSC_01900	NC_007795.1	1810087	1810722	636	SAOUHSC_01900	GeneID:3920847
SAOUHSC_01901	NC_007795.1	1811162	1811875	714	SAOUHSC_01901	GeneID:3920848
SAOUHSC_01902	NC_007795.1	1812135	1812437	303	SAOUHSC_01902	GeneID:3920849
SAOUHSC_01903	NC_007795.1	1812693	1813058	366	SAOUHSC_01903	GeneID:3920850
SAOUHSC_01904	NC_007795.1	1813055	1813408	354	SAOUHSC_01904	GeneID:3920851
SAOUHSC_01905	NC_007795.1	1813964	1815217	1254	SAOUHSC_01905	GeneID:3920852
SAOUHSC_01907	NC_007795.1	1815492	1816325	834	SAOUHSC_01907	GeneID:3921049
SAOUHSC_01908	NC_007795.1	1816537	1817445	909	SAOUHSC_01908	GeneID:3921050
SAOUHSC_01909	NC_007795.1	1817570	1818763	1194	SAOUHSC_01909	GeneID:3921051
SAOUHSC_01910	NC_007795.1	1819134	1820726	1593	SAOUHSC_01910	GeneID:3921052
SAOUHSC_01911	NC_007795.1	1820862	1821347	486	SAOUHSC_01911	GeneID:3921053
SAOUHSC_01912	NC_007795.1	1821722	1822468	747	SAOUHSC_01912	GeneID:3921054
SAOUHSC_01913	NC_007795.1	1822473	1822946	474	SAOUHSC_01913	GeneID:3921055
SAOUHSC_01914	NC_007795.1	1823012	1823269	258	SAOUHSC_01914	GeneID:3921056
SAOUHSC_01915	NC_007795.1	1823266	1824267	1002	SAOUHSC_01915	GeneID:3921057
SAOUHSC_01916	NC_007795.1	1824272	1825750	1479	SAOUHSC_01916	GeneID:3921058
SAOUHSC_01917	NC_007795.1	1825909	1826364	456	SAOUHSC_01917	GeneID:3921059
SAOUHSC_01918	NC_007795.1	1826667	1827317	651	SAOUHSC_01918	GeneID:3921060
SAOUHSC_01919	NC_007795.1	1827398	1828393	996	SAOUHSC_01919	GeneID:3921061
SAOUHSC_01920	NC_007795.1	1828469	1829095	627	SAOUHSC_01920	GeneID:3921062
SAOUHSC_01921	NC_007795.1	1829136	1829480	345	SAOUHSC_01921	GeneID:3921063
SAOUHSC_01922	NC_007795.1	1829578	1830129	552	SAOUHSC_01922	GeneID:3921064
SAOUHSC_01923	NC_007795.1	1830347	1830988	642	SAOUHSC_01923	GeneID:3921065
SAOUHSC_01924	NC_007795.1	1831102	1831287	186	SAOUHSC_01924	GeneID:3921066
SAOUHSC_01925	NC_007795.1	1831289	1831465	177	SAOUHSC_01925	GeneID:3921009
SAOUHSC_01926	NC_007795.1	1831476	1831859	384	SAOUHSC_01926	GeneID:3921010
SAOUHSC_01928	NC_007795.1	1832463	1832606	144	SAOUHSC_01928	GeneID:3921012

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SAOUHSC_01930	NC_007795.1	1833476	1833835	360	SAOUHSC_01930	GeneID:3921014
SAOUHSC_01931	NC_007795.1	1834373	1838485	4113	SAOUHSC_01931	GeneID:3921015
SAOUHSC_01932	NC_007795.1	1839335	1840534	1200	SAOUHSC_01932	GeneID:3921016
SAOUHSC_01933	NC_007795.1	1840527	1842266	1740	SAOUHSC_01933	GeneID:3921017
SAOUHSC_01934	NC_007795.1	1842247	1842381	135	SAOUHSC_01934	GeneID:3921018
SAOUHSC_01935	NC_007795.1	1842446	1843165	720	SAOUHSC_01935	GeneID:3921019
SAOUHSC_01936	NC_007795.1	1843316	1844032	717	SAOUHSC_01936	GeneID:3921020
SAOUHSC_01937	NC_007795.1	1844134	1844241	108	SAOUHSC_01937	GeneID:3921021
SAOUHSC_01938	NC_007795.1	1844190	1844909	720	SAOUHSC_01938	GeneID:3921022
SAOUHSC_01939	NC_007795.1	1845030	1845749	720	SAOUHSC_01939	GeneID:3921023
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SAOUHSC_01942	NC_007795.1	1846654	1847361	708	SAOUHSC_01942	GeneID:3921025
SAOUHSC_01944	NC_007795.1	1848325	1848891	567	SAOUHSC_01944	GeneID:3921027
SAOUHSC_01945	NC_007795.1	1849365	1850063	699	SAOUHSC_01945	GeneID:3921028
SAOUHSC_01947	NC_007795.1	1850060	1850821	762	SAOUHSC_01947	GeneID:3920892
SAOUHSC_01948	NC_007795.1	1850818	1851510	693	SAOUHSC_01948	GeneID:3920893
SAOUHSC_01949	NC_007795.1	1851533	1852906	1374	SAOUHSC_01949	GeneID:3920894
SAOUHSC_01950	NC_007795.1	1852916	1853434	519	SAOUHSC_01950	GeneID:3920895
SAOUHSC_01951	NC_007795.1	1853450	1854694	1245	SAOUHSC_01951	GeneID:3920896
SAOUHSC_01952	NC_007795.1	1854687	1857680	2994	SAOUHSC_01952	GeneID:3920897
SAOUHSC_01953	NC_007795.1	1857745	1857888	144	SAOUHSC_01953	GeneID:3920898
SAOUHSC_01954	NC_007795.1	1859010	1859993	984	SAOUHSC_01954	GeneID:3920899
SAOUHSC_01955	NC_007795.1	1859995	1860900	906	SAOUHSC_01955	GeneID:3920900
SAOUHSC_01956	NC_007795.1	1861729	1862268	540	SAOUHSC_01956	GeneID:3920901
SAOUHSC_01957	NC_007795.1	1862281	1863069	789	SAOUHSC_01957	GeneID:3920902
SAOUHSC_01958	NC_007795.1	1865526	1866080	555	SAOUHSC_01958	GeneID:3920903
SAOUHSC_01960	NC_007795.1	1866403	1867803	1401	SAOUHSC_01960	GeneID:3920905
SAOUHSC_01961	NC_007795.1	1867827	1868750	924	hemH	GeneID:3920906
SAOUHSC_01962	NC_007795.1	1868808	1869845	1038	hemE	GeneID:3920907
SAOUHSC_01963	NC_007795.1	1869835	1869945	111	SAOUHSC_01963	GeneID:3920908
SAOUHSC_01964	NC_007795.1	1870108	1870611	504	SAOUHSC_01964	GeneID:3920909
SAOUHSC_01966	NC_007795.1	1870735	1871958	1224	SAOUHSC_01966	GeneID:3920910
SAOUHSC_01967	NC_007795.1	1871951	1872691	741	SAOUHSC_01967	GeneID:3920444
SAOUHSC_01968	NC_007795.1	1872825	1873247	423	SAOUHSC_01968	GeneID:3920445
SAOUHSC_01969	NC_007795.1	1873389	1873754	366	SAOUHSC_01969	GeneID:3920446
SAOUHSC_01971	NC_007795.1	1874487	1875044	558	SAOUHSC_01971	GeneID:3920447
SAOUHSC_01972	NC_007795.1	1875249	1876211	963	SAOUHSC_01972	GeneID:3920448
SAOUHSC_01973	NC_007795.1	1876332	1877273	942	SAOUHSC_01973	GeneID:3920449
SAOUHSC_01974	NC_007795.1	1877270	1880206	2937	SAOUHSC_01974	GeneID:3920450
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SAOUHSC_01976	NC_007795.1	1881683	1881781	99	SAOUHSC_01976	GeneID:3920452
SAOUHSC_01977	NC_007795.1	1882164	1882508	345	SAOUHSC_01977	GeneID:3920453
SAOUHSC_01978	NC_007795.1	1882577	1883701	1125	SAOUHSC_01978	GeneID:3920454
SAOUHSC_01979	NC_007795.1	1883880	1884344	465	SAOUHSC_01979	GeneID:3920455
SAOUHSC_01980	NC_007795.1	1884700	1885323	624	SAOUHSC_01980	GeneID:3920456
SAOUHSC_01981	NC_007795.1	1885345	1886457	1113	SAOUHSC_01981	GeneID:3920457
SAOUHSC_01982	NC_007795.1	1886620	1887441	822	SAOUHSC_01982	GeneID:3920458
SAOUHSC_01983	NC_007795.1	1887904	1889289	1386	fumC	GeneID:3920459
SAOUHSC_01984	NC_007795.1	1889485	1889880	396	SAOUHSC_01984	GeneID:3920460
SAOUHSC_01985	NC_007795.1	1889999	1890361	363	SAOUHSC_01985	GeneID:3920461
SAOUHSC_01986	NC_007795.1	1890657	1890809	153	SAOUHSC_01986	GeneID:3920462
SAOUHSC_01987	NC_007795.1	1890834	1891433	600	SAOUHSC_01987	GeneID:3920463
SAOUHSC_01988	NC_007795.1	1891592	1892062	471	SAOUHSC_01988	GeneID:3921871
SAOUHSC_01989	NC_007795.1	1892067	1893209	1143	SAOUHSC_01989	GeneID:3921872

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SAOUHSC_01990	NC_007795.1	1893345	1894073	729	SAOUHSC_01990	GeneID:3921873
SAOUHSC_01991	NC_007795.1	1894060	1895517	1458	SAOUHSC_01991	GeneID:3921874
SAOUHSC_01992	NC_007795.1	1895775	1896836	1062	SAOUHSC_01992	GeneID:3921875
SAOUHSC_01993	NC_007795.1	1897329	1898648	1320	SAOUHSC_01993	GeneID:3921876
SAOUHSC_01997	NC_007795.1	1907224	1907670	447	SAOUHSC_01997	GeneID:3921877
SAOUHSC_01998	NC_007795.1	1907767	1908717	951	SAOUHSC_01998	GeneID:3921878
SAOUHSC_01999	NC_007795.1	1908723	1909178	456	SAOUHSC_01999	GeneID:3921879
SAOUHSC_02000	NC_007795.1	1909259	1910548	1290	SAOUHSC_02000	GeneID:3921880
SAOUHSC_02001	NC_007795.1	1910892	1911935	1044	SAOUHSC_02001	GeneID:3921881
SAOUHSC_02002	NC_007795.1	1912025	1912117	93	SAOUHSC_02002	GeneID:3921882
SAOUHSC_02003	NC_007795.1	1912126	1913862	1737	SAOUHSC_02003	GeneID:3921883
SAOUHSC_02004	NC_007795.1	1914153	1914695	543	SAOUHSC_02004	GeneID:3921884
SAOUHSC_02005	NC_007795.1	1914997	1916034	1038	SAOUHSC_02005	GeneID:3921885
SAOUHSC_02006	NC_007795.1	1916186	1917163	978	SAOUHSC_02006	GeneID:3921886
SAOUHSC_02008	NC_007795.1	1917424	1918260	837	SAOUHSC_02008	GeneID:3921888
SAOUHSC_02009	NC_007795.1	1918269	1919786	1518	SAOUHSC_02009	GeneID:3921889
SAOUHSC_02010	NC_007795.1	1919801	1920091	291	SAOUHSC_02010	GeneID:3920464
SAOUHSC_02011	NC_007795.1	1920093	1920911	819	recX	GeneID:3920465
SAOUHSC_02012	NC_007795.1	1921172	1921981	810	SAOUHSC_02012	GeneID:3920466
SAOUHSC_02013	NC_007795.1	1922322	1922837	516	SAOUHSC_02013	GeneID:3920467
SAOUHSC_02014	NC_007795.1	1922968	1923129	162	SAOUHSC_02014	GeneID:3920468
SAOUHSC_02015	NC_007795.1	1923456	1923557	102	SAOUHSC_02015	GeneID:3920469
SAOUHSC_02016	NC_007795.1	1923883	1924083	201	SAOUHSC_02016	GeneID:3920470
SAOUHSC_02017	NC_007795.1	1924070	1924180	111	SAOUHSC_02017	GeneID:3920471
SAOUHSC_02018	NC_007795.1	1924251	1924403	153	SAOUHSC_02018	GeneID:3920472
SAOUHSC_02019	NC_007795.1	1924647	1926092	1446	SAOUHSC_02019	GeneID:3920473
SAOUHSC_02020	NC_007795.1	1926073	1926510	438	SAOUHSC_02020	GeneID:3920474
SAOUHSC_02021	NC_007795.1	1926566	1926961	396	SAOUHSC_02021	GeneID:3920475
SAOUHSC_02022	NC_007795.1	1926967	1928139	1173	SAOUHSC_02022	GeneID:3920476
SAOUHSC_02023	NC_007795.1	1928152	1930050	1899	SAOUHSC_02023	GeneID:3920477
SAOUHSC_02025	NC_007795.1	1930187	1930486	300	SAOUHSC_02025	GeneID:3920478
SAOUHSC_02026	NC_007795.1	1930526	1930699	174	SAOUHSC_02026	GeneID:3920479
SAOUHSC_02027	NC_007795.1	1930703	1931080	378	SAOUHSC_02027	GeneID:3920480
SAOUHSC_02028	NC_007795.1	1931080	1932903	1824	SAOUHSC_02028	GeneID:3920481
SAOUHSC_02029	NC_007795.1	1932903	1934813	1911	SAOUHSC_02029	GeneID:3920482
SAOUHSC_02030	NC_007795.1	1934828	1936729	1902	SAOUHSC_02030	GeneID:3920483
SAOUHSC_02031	NC_007795.1	1936738	1937685	948	SAOUHSC_02031	GeneID:3920484
SAOUHSC_02033	NC_007795.1	1937698	1941165	3468	SAOUHSC_02033	GeneID:3920485
SAOUHSC_02034	NC_007795.1	1941182	1941526	345	SAOUHSC_02034	GeneID:3920486
SAOUHSC_02035	NC_007795.1	1941556	1941921	366	SAOUHSC_02035	GeneID:3920487
SAOUHSC_02036	NC_007795.1	1941983	1942564	582	SAOUHSC_02036	GeneID:3920488
SAOUHSC_02037	NC_007795.1	1942583	1942966	384	SAOUHSC_02037	GeneID:3920489
SAOUHSC_02038	NC_007795.1	1942978	1943325	348	SAOUHSC_02038	GeneID:3920490
SAOUHSC_02040	NC_007795.1	1943325	1943627	303	SAOUHSC_02040	GeneID:3920491
SAOUHSC_02041	NC_007795.1	1943624	1943956	333	SAOUHSC_02041	GeneID:3920492
SAOUHSC_02042	NC_007795.1	1943965	1944252	288	SAOUHSC_02042	GeneID:3920493
SAOUHSC_02043	NC_007795.1	1944274	1945248	975	SAOUHSC_02043	GeneID:3920494
SAOUHSC_02044	NC_007795.1	1945262	1945882	621	SAOUHSC_02044	GeneID:3920495
SAOUHSC_02046	NC_007795.1	1945991	1946161	171	SAOUHSC_02046	GeneID:3920496
SAOUHSC_02047	NC_007795.1	1946234	1947229	996	SAOUHSC_02047	GeneID:3920497
SAOUHSC_02048	NC_007795.1	1947236	1948771	1536	SAOUHSC_02048	GeneID:3920498
SAOUHSC_02049	NC_007795.1	1948782	1950059	1278	SAOUHSC_02049	GeneID:3920499
SAOUHSC_02050	NC_007795.1	1950046	1950486	441	SAOUHSC_02050	GeneID:3920500
SAOUHSC_02051	NC_007795.1	1950673	1951095	423	SAOUHSC_02051	GeneID:3920501
SAOUHSC_02053	NC_007795.1	1951266	1951454	189	SAOUHSC_02053	GeneID:3919740

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SAOUHSC_02054	NC_007795.1	1951442	1951642	201	SAOUHSC_02054	GeneID:3919741
SAOUHSC_02055	NC_007795.1	1951617	1951805	189	SAOUHSC_02055	GeneID:3919742
SAOUHSC_02057	NC_007795.1	1952084	1952620	537	SAOUHSC_02057	GeneID:3919744
SAOUHSC_02058	NC_007795.1	1952586	1952828	243	SAOUHSC_02058	GeneID:3919745
SAOUHSC_02059	NC_007795.1	1952825	1953070	246	SAOUHSC_02059	GeneID:3919746
SAOUHSC_02060	NC_007795.1	1953085	1953333	249	SAOUHSC_02060	GeneID:3919747
SAOUHSC_02061	NC_007795.1	1953334	1953693	360	SAOUHSC_02061	GeneID:3919748
SAOUHSC_02062	NC_007795.1	1953694	1953963	270	SAOUHSC_02062	GeneID:3919749
SAOUHSC_02063	NC_007795.1	1953964	1954149	186	SAOUHSC_02063	GeneID:3919750
SAOUHSC_02064	NC_007795.1	1954154	1954558	405	SAOUHSC_02064	GeneID:3919751
SAOUHSC_02065	NC_007795.1	1954569	1954790	222	SAOUHSC_02065	GeneID:3919752
SAOUHSC_02066	NC_007795.1	1954794	1955009	216	SAOUHSC_02066	GeneID:3919753
SAOUHSC_02067	NC_007795.1	1955006	1956247	1242	SAOUHSC_02067	GeneID:3919754
SAOUHSC_02068	NC_007795.1	1956244	1956600	357	SAOUHSC_02068	GeneID:3919755
SAOUHSC_02069	NC_007795.1	1956600	1957406	807	SAOUHSC_02069	GeneID:3919756
SAOUHSC_02070	NC_007795.1	1957378	1958070	693	SAOUHSC_02070	GeneID:3919757
SAOUHSC_02071	NC_007795.1	1958083	1958583	501	SAOUHSC_02071	GeneID:3919758
SAOUHSC_02072	NC_007795.1	1958667	1959446	780	SAOUHSC_02072	GeneID:3919759
SAOUHSC_02073	NC_007795.1	1959447	1959983	537	SAOUHSC_02073	GeneID:3919760
SAOUHSC_02074	NC_007795.1	1959996	1960316	321	SAOUHSC_02074	GeneID:3919761
SAOUHSC_02075	NC_007795.1	1960237	1960566	330	SAOUHSC_02075	GeneID:3919762
SAOUHSC_02076	NC_007795.1	1960656	1960817	162	SAOUHSC_02076	GeneID:3919763
SAOUHSC_02077	NC_007795.1	1960810	1961031	222	SAOUHSC_02077	GeneID:3919764
SAOUHSC_02078	NC_007795.1	1961045	1961494	450	SAOUHSC_02078	GeneID:3919765
SAOUHSC_02079	NC_007795.1	1961536	1961760	225	SAOUHSC_02079	GeneID:3919766
SAOUHSC_02080	NC_007795.1	1961761	1962552	792	SAOUHSC_02080	GeneID:3919767
SAOUHSC_02081	NC_007795.1	1962709	1963017	309	SAOUHSC_02081	GeneID:3919768
SAOUHSC_02083	NC_007795.1	1963032	1963250	219	SAOUHSC_02083	GeneID:3919769
SAOUHSC_02084	NC_007795.1	1963392	1964111	720	SAOUHSC_02084	GeneID:3919770
SAOUHSC_02085	NC_007795.1	1964181	1964348	168	SAOUHSC_02085	GeneID:3919771
SAOUHSC_02086	NC_007795.1	1964508	1964693	186	SAOUHSC_02086	GeneID:3919772
SAOUHSC_02087	NC_007795.1	1964729	1965634	906	SAOUHSC_02087	GeneID:3919773
SAOUHSC_02088	NC_007795.1	1965571	1965771	201	SAOUHSC_02088	GeneID:3919774
SAOUHSC_02089	NC_007795.1	1965883	1966929	1047	SAOUHSC_02089	GeneID:3919775
SAOUHSC_02090	NC_007795.1	1966974	1968119	1146	SAOUHSC_02090	GeneID:3919776
SAOUHSC_02091	NC_007795.1	1968379	1968909	531	SAOUHSC_02091	GeneID:3919777
SAOUHSC_02092	NC_007795.1	1968999	1970255	1257	SAOUHSC_02092	GeneID:3919778
SAOUHSC_02093	NC_007795.1	1970258	1970458	201	SAOUHSC_02093	GeneID:3921166
SAOUHSC_02095	NC_007795.1	1970605	1971069	465	SAOUHSC_02095	GeneID:3921167
SAOUHSC_02096	NC_007795.1	1971076	1971351	276	SAOUHSC_02096	GeneID:3921168
SAOUHSC_02097	NC_007795.1	1971629	1972846	1218	SAOUHSC_02097	GeneID:3921169
SAOUHSC_02098	NC_007795.1	1972962	1973591	630	SAOUHSC_02098	GeneID:3921170
SAOUHSC_02099	NC_007795.1	1973581	1974624	1044	SAOUHSC_02099	GeneID:3921171
SAOUHSC_02100	NC_007795.1	1974621	1975322	702	SAOUHSC_02100	GeneID:3921172
SAOUHSC_02101	NC_007795.1	1975337	1975723	387	SAOUHSC_02101	GeneID:3921173
SAOUHSC_02102	NC_007795.1	1975940	1976698	759	SAOUHSC_02102	GeneID:3921174
SAOUHSC_02103	NC_007795.1	1977226	1978212	987	SAOUHSC_02103	GeneID:3921175
SAOUHSC_02104	NC_007795.1	1978643	1979056	414	SAOUHSC_02104	GeneID:3921176
SAOUHSC_02105	NC_007795.1	1979085	1979195	111	SAOUHSC_02105	GeneID:3921177
SAOUHSC_02106	NC_007795.1	1979281	1980012	732	SAOUHSC_02106	GeneID:3921178
SAOUHSC_02107	NC_007795.1	1980014	1981327	1314	SAOUHSC_02107	GeneID:3921179
SAOUHSC_02108	NC_007795.1	1981619	1982119	501	SAOUHSC_02108	GeneID:3921180
SAOUHSC_02109	NC_007795.1	1982201	1982293	93	SAOUHSC_02109	GeneID:3921181
SAOUHSC_02110	NC_007795.1	1982508	1983062	555	SAOUHSC_02110	GeneID:3921182
SAOUHSC_02111	NC_007795.1	1983130	1984170	1041	SAOUHSC_02111	GeneID:3921183

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SAOUHSC_02112	NC_007795.1	1984447	1984977	531	SAOUHSC_02112	GeneID:3921184
SAOUHSC_02113	NC_007795.1	1985147	1986508	1362	SAOUHSC_02113	GeneID:3921185
SAOUHSC_02114	NC_007795.1	1986589	1987536	948	SAOUHSC_02114	GeneID:3921186
SAOUHSC_02115	NC_007795.1	1988119	1988265	147	SAOUHSC_02115	GeneID:3921187
SAOUHSC_02116	NC_007795.1	1988305	1989732	1428	gatB	GeneID:3921188
SAOUHSC_02117	NC_007795.1	1989745	1991202	1458	gatA	GeneID:3921189
SAOUHSC_02118	NC_007795.1	1991204	1991506	303	gatC	GeneID:3921190
SAOUHSC_02119	NC_007795.1	1991873	1993411	1539	SAOUHSC_02119	GeneID:3921191
SAOUHSC_02121	NC_007795.1	1993500	1994699	1200	SAOUHSC_02121	GeneID:3921192
SAOUHSC_02122	NC_007795.1	1994712	1996715	2004	SAOUHSC_02122	GeneID:3921193
SAOUHSC_02123	NC_007795.1	1996719	1998911	2193	SAOUHSC_02123	GeneID:3921194
SAOUHSC_02124	NC_007795.1	1998908	1999600	693	SAOUHSC_02124	GeneID:3921195
SAOUHSC_02125	NC_007795.1	1999772	2000074	303	SAOUHSC_02125	GeneID:3921196
SAOUHSC_02126	NC_007795.1	2000183	2001478	1296	SAOUHSC_02126	GeneID:3921197
SAOUHSC_02127	NC_007795.1	2002339	2003505	1167	SAOUHSC_02127	GeneID:3921198
SAOUHSC_02129	NC_007795.1	2003536	2003862	327	SAOUHSC_02129	GeneID:3921199
SAOUHSC_02130	NC_007795.1	2004154	2004327	174	SAOUHSC_02130	GeneID:3921200
SAOUHSC_02131	NC_007795.1	2004308	2004910	603	SAOUHSC_02131	GeneID:3921201
SAOUHSC_02132	NC_007795.1	2005181	2006002	822	nadE	GeneID:3921202
SAOUHSC_02133	NC_007795.1	2005995	2007464	1470	SAOUHSC_02133	GeneID:3921203
SAOUHSC_02134	NC_007795.1	2007648	2008724	1077	SAOUHSC_02134	GeneID:3921204
SAOUHSC_02135	NC_007795.1	2008744	2009538	795	SAOUHSC_02135	GeneID:3921832
SAOUHSC_02136	NC_007795.1	2009610	2009717	108	SAOUHSC_02136	GeneID:3921833
SAOUHSC_02137	NC_007795.1	2009728	2011290	1563	SAOUHSC_02137	GeneID:3921834
SAOUHSC_02138	NC_007795.1	2011495	2012592	1098	SAOUHSC_02138	GeneID:3921835
SAOUHSC_02139	NC_007795.1	2012964	2013524	561	SAOUHSC_02139	GeneID:3921836
SAOUHSC_02140	NC_007795.1	2013577	2014506	930	SAOUHSC_02140	GeneID:3921837
SAOUHSC_02141	NC_007795.1	2014701	2014874	174	SAOUHSC_02141	GeneID:3921838
SAOUHSC_02142	NC_007795.1	2014926	2016305	1380	SAOUHSC_02142	GeneID:3921839
SAOUHSC_02143	NC_007795.1	2016425	2017453	1029	SAOUHSC_02143	GeneID:3921840
SAOUHSC_02144	NC_007795.1	2017723	2018124	402	SAOUHSC_02144	GeneID:3921841
SAOUHSC_02145	NC_007795.1	2018697	2018870	174	SAOUHSC_02145	GeneID:3921842
SAOUHSC_02146	NC_007795.1	2019321	2020361	1041	SAOUHSC_02146	GeneID:3921843
SAOUHSC_02147	NC_007795.1	2020418	2021260	843	SAOUHSC_02147	GeneID:3921844
SAOUHSC_02148	NC_007795.1	2021257	2021739	483	SAOUHSC_02148	GeneID:3921845
SAOUHSC_02149	NC_007795.1	2021874	2022398	525	SAOUHSC_02149	GeneID:3921846
SAOUHSC_02150	NC_007795.1	2022519	2023082	564	SAOUHSC_02150	GeneID:3921847
SAOUHSC_02151	NC_007795.1	2023148	2023888	741	SAOUHSC_02151	GeneID:3921848
SAOUHSC_02152	NC_007795.1	2023888	2024760	873	SAOUHSC_02152	GeneID:3921849
SAOUHSC_02153	NC_007795.1	2024757	2025437	681	SAOUHSC_02153	GeneID:3921850
SAOUHSC_02154	NC_007795.1	2025438	2026334	897	SAOUHSC_02154	GeneID:3921851
SAOUHSC_02155	NC_007795.1	2026331	2026711	381	SAOUHSC_02155	GeneID:3921852
SAOUHSC_02156	NC_007795.1	2026970	2027146	177	SAOUHSC_02156	GeneID:3921853
SAOUHSC_02157	NC_007795.1	2027389	2027487	99	SAOUHSC_02157	GeneID:3921854
SAOUHSC_02158	NC_007795.1	2027687	2028973	1287	SAOUHSC_02158	GeneID:3921855
SAOUHSC_02160	NC_007795.1	2029297	2029587	291	SAOUHSC_02160	GeneID:3921856
SAOUHSC_02161	NC_007795.1	2029598	2031352	1755	SAOUHSC_02161	GeneID:3921857
SAOUHSC_02164	NC_007795.1	2032310	2032489	180	SAOUHSC_02164	GeneID:3921859
SAOUHSC_02166	NC_007795.1	2032800	2033060	261	SAOUHSC_02166	GeneID:3921861
SAOUHSC_02167	NC_007795.1	2033113	2033463	351	SAOUHSC_02167	GeneID:3921862
SAOUHSC_02169	NC_007795.1	2034146	2034595	450	SAOUHSC_02169	GeneID:3921863
SAOUHSC_02170	NC_007795.1	2034690	2034986	297	SAOUHSC_02170	GeneID:3921864
SAOUHSC_02171	NC_007795.1	2035675	2036166	492	SAOUHSC_02171	GeneID:3921865
SAOUHSC_02173	NC_007795.1	2036357	2037112	756	SAOUHSC_02173	GeneID:3921866
SAOUHSC_02174	NC_007795.1	2037124	2037378	255	SAOUHSC_02174	GeneID:3921867

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SAOUHSC_02175	NC_007795.1	2037430	2037537	108	SAOUHSC_02175	GeneID:3921868
SAOUHSC_02176	NC_007795.1	2037590	2037766	177	SAOUHSC_02176	GeneID:3921869
SAOUHSC_02177	NC_007795.1	2037916	2038212	297	SAOUHSC_02177	GeneID:3921870
SAOUHSC_02178	NC_007795.1	2038270	2038557	288	SAOUHSC_02178	GeneID:3919545
SAOUHSC_02179	NC_007795.1	2038604	2038756	153	SAOUHSC_02179	GeneID:3919546
SAOUHSC_02180	NC_007795.1	2038746	2042531	3786	SAOUHSC_02180	GeneID:3919547
SAOUHSC_02181	NC_007795.1	2042547	2044037	1491	SAOUHSC_02181	GeneID:3919548
SAOUHSC_02182	NC_007795.1	2044037	2048689	4653	SAOUHSC_02182	GeneID:3919549
SAOUHSC_02183	NC_007795.1	2048745	2048867	123	SAOUHSC_02183	GeneID:3919550
SAOUHSC_02184	NC_007795.1	2048927	2049373	447	SAOUHSC_02184	GeneID:3919551
SAOUHSC_02185	NC_007795.1	2049438	2050391	954	SAOUHSC_02185	GeneID:3919552
SAOUHSC_02186	NC_007795.1	2050392	2050772	381	SAOUHSC_02186	GeneID:3919553
SAOUHSC_02187	NC_007795.1	2050769	2051146	378	SAOUHSC_02187	GeneID:3919554
SAOUHSC_02188	NC_007795.1	2051146	2051481	336	SAOUHSC_02188	GeneID:3919555
SAOUHSC_02189	NC_007795.1	2051468	2051800	333	SAOUHSC_02189	GeneID:3919556
SAOUHSC_02190	NC_007795.1	2051809	2051967	159	SAOUHSC_02190	GeneID:3919557
SAOUHSC_02191	NC_007795.1	2052003	2053250	1248	SAOUHSC_02191	GeneID:3919558
SAOUHSC_02193	NC_007795.1	2053338	2053922	585	SAOUHSC_02193	GeneID:3919559
SAOUHSC_02194	NC_007795.1	2053915	2055105	1191	SAOUHSC_02194	GeneID:3919560
SAOUHSC_02195	NC_007795.1	2055171	2055410	240	SAOUHSC_02195	GeneID:3919561
SAOUHSC_02196	NC_007795.1	2055385	2057079	1695	SAOUHSC_02196	GeneID:3919562
SAOUHSC_02197	NC_007795.1	2057082	2057549	468	SAOUHSC_02197	GeneID:3919563
SAOUHSC_02198	NC_007795.1	2057679	2058023	345	SAOUHSC_02198	GeneID:3919564
SAOUHSC_02199	NC_007795.1	2058039	2058491	453	SAOUHSC_02199	GeneID:3919565
SAOUHSC_02200	NC_007795.1	2058606	2059076	471	SAOUHSC_02200	GeneID:3919566
SAOUHSC_02202	NC_007795.1	2059299	2059448	150	SAOUHSC_02202	GeneID:3919567
SAOUHSC_02203	NC_007795.1	2059445	2059651	207	SAOUHSC_02203	GeneID:3919568
SAOUHSC_02204	NC_007795.1	2059668	2059841	174	SAOUHSC_02204	GeneID:3919569
SAOUHSC_02205	NC_007795.1	2059878	2060414	537	SAOUHSC_02205	GeneID:3919570
SAOUHSC_02206	NC_007795.1	2060407	2060601	195	SAOUHSC_02206	GeneID:3919571
SAOUHSC_02207	NC_007795.1	2060564	2060818	255	SAOUHSC_02207	GeneID:3919572
SAOUHSC_02208	NC_007795.1	2060811	2061200	390	SAOUHSC_02208	GeneID:3919573
SAOUHSC_02209	NC_007795.1	2061197	2061544	348	SAOUHSC_02209	GeneID:3919574
SAOUHSC_02210	NC_007795.1	2061608	2061856	249	SAOUHSC_02210	GeneID:3919575
SAOUHSC_02211	NC_007795.1	2061857	2062228	372	SAOUHSC_02211	GeneID:3919576
SAOUHSC_02212	NC_007795.1	2062229	2062414	186	SAOUHSC_02212	GeneID:3919577
SAOUHSC_02213	NC_007795.1	2062419	2062823	405	SAOUHSC_02213	GeneID:3919578
SAOUHSC_02216	NC_007795.1	2063220	2063999	780	SAOUHSC_02216	GeneID:3919581
SAOUHSC_02217	NC_007795.1	2064009	2064779	771	SAOUHSC_02217	GeneID:3919582
SAOUHSC_02218	NC_007795.1	2064845	2065126	282	SAOUHSC_02218	GeneID:3919583
SAOUHSC_02219	NC_007795.1	2065265	2065936	672	SAOUHSC_02219	GeneID:3919642
SAOUHSC_02220	NC_007795.1	2065949	2066500	552	SAOUHSC_02220	GeneID:3919643
SAOUHSC_02221	NC_007795.1	2066531	2067310	780	SAOUHSC_02221	GeneID:3919644
SAOUHSC_02222	NC_007795.1	2067303	2067524	222	SAOUHSC_02222	GeneID:3919645
SAOUHSC_02223	NC_007795.1	2067534	2067794	261	SAOUHSC_02223	GeneID:3919646
SAOUHSC_02224	NC_007795.1	2067887	2068048	162	SAOUHSC_02224	GeneID:3919647
SAOUHSC_02225	NC_007795.1	2068045	2068365	321	SAOUHSC_02225	GeneID:3919648
SAOUHSC_02226	NC_007795.1	2068424	2069056	633	SAOUHSC_02226	GeneID:3919649
SAOUHSC_02227	NC_007795.1	2069071	2069211	141	SAOUHSC_02227	GeneID:3919650
SAOUHSC_02228	NC_007795.1	2069242	2069439	198	SAOUHSC_02228	GeneID:3919651
SAOUHSC_02229	NC_007795.1	2069455	2070204	750	SAOUHSC_02229	GeneID:3919652
SAOUHSC_02232	NC_007795.1	2070261	2070800	540	SAOUHSC_02232	GeneID:3919654
SAOUHSC_02233	NC_007795.1	2070824	2071084	261	SAOUHSC_02233	GeneID:3919655
SAOUHSC_02234	NC_007795.1	2071102	2071326	225	SAOUHSC_02234	GeneID:3919656
SAOUHSC_02235	NC_007795.1	2071485	2072255	771	SAOUHSC_02235	GeneID:3919657

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SAOUHSC_02236	NC_007795.1	2072469	2072636	168	SAOUHSC_02236	GeneID:3919658
SAOUHSC_02237	NC_007795.1	2072672	2072818	147	SAOUHSC_02237	GeneID:3919659
SAOUHSC_02238	NC_007795.1	2072815	2073429	615	SAOUHSC_02238	GeneID:3919660
SAOUHSC_02239	NC_007795.1	2073537	2074574	1038	SAOUHSC_02239	GeneID:3919661
SAOUHSC_02241	NC_007795.1	2075693	2076709	1017	SAOUHSC_02241	GeneID:3919663
SAOUHSC_02243	NC_007795.1	2076731	2077786	1056	SAOUHSC_02243	GeneID:3919664
SAOUHSC_02244	NC_007795.1	2078221	2079444	1224	SAOUHSC_02244	GeneID:3919665
SAOUHSC_02245	NC_007795.1	2079816	2080661	846	SAOUHSC_02245	GeneID:3919666
SAOUHSC_02246	NC_007795.1	2080723	2081634	912	SAOUHSC_02246	GeneID:3919667
SAOUHSC_02247	NC_007795.1	2081795	2083102	1308	SAOUHSC_02247	GeneID:3919668
SAOUHSC_02248	NC_007795.1	2083955	2084398	444	SAOUHSC_02248	GeneID:3919669
SAOUHSC_02249	NC_007795.1	2084504	2084941	438	SAOUHSC_02249	GeneID:3919670
SAOUHSC_02250	NC_007795.1	2085259	2085849	591	SAOUHSC_02250	GeneID:3919671
SAOUHSC_02251	NC_007795.1	2085846	2086058	213	SAOUHSC_02251	GeneID:3919672
SAOUHSC_02254	NC_007795.1	2086760	2088376	1617	groEL	GeneID:3919674
SAOUHSC_02255	NC_007795.1	2088452	2088736	285	groES	GeneID:3919675
SAOUHSC_02256	NC_007795.1	2088911	2089654	744	SAOUHSC_02256	GeneID:3919676
SAOUHSC_02257	NC_007795.1	2089679	2090938	1260	SAOUHSC_02257	GeneID:3919677
SAOUHSC_02258	NC_007795.1	2091135	2091761	627	SAOUHSC_02258	GeneID:3919678
SAOUHSC_02259	NC_007795.1	2092122	2092907	786	SAOUHSC_02259	GeneID:3919679
SAOUHSC_02260	NC_007795.1	2093504	2093638	135	SAOUHSC_02260	GeneID:3919680
SAOUHSC_02261	NC_007795.1	2093874	2094443	570	SAOUHSC_02261	GeneID:3919137
SAOUHSC_02262	NC_007795.1	2094440	2094580	141	SAOUHSC_02262	GeneID:3919138
SAOUHSC_02264	NC_007795.1	2094653	2095897	1245	SAOUHSC_02264	GeneID:3919139
SAOUHSC_02265	NC_007795.1	2096006	2096632	627	SAOUHSC_02265	GeneID:3919140
SAOUHSC_02266	NC_007795.1	2096704	2096811	108	SAOUHSC_02266	GeneID:3919141
SAOUHSC_02267	NC_007795.1	2096999	2097958	960	SAOUHSC_02267	GeneID:3919142
SAOUHSC_02268	NC_007795.1	2097955	2099439	1485	SAOUHSC_02268	GeneID:3919143
SAOUHSC_02269	NC_007795.1	2099588	2100538	951	SAOUHSC_02269	GeneID:3919144
SAOUHSC_02270	NC_007795.1	2100721	2101971	1251	SAOUHSC_02270	GeneID:3919145
SAOUHSC_02271	NC_007795.1	2102179	2102403	225	SAOUHSC_02271	GeneID:3919146
SAOUHSC_02272	NC_007795.1	2102463	2103449	987	SAOUHSC_02272	GeneID:3919147
SAOUHSC_02273	NC_007795.1	2103846	2104481	636	SAOUHSC_02273	GeneID:3919148
SAOUHSC_02274	NC_007795.1	2104734	2106662	1929	SAOUHSC_02274	GeneID:3919149
SAOUHSC_02275	NC_007795.1	2106807	2106935	129	SAOUHSC_02275	GeneID:3919150
SAOUHSC_02276	NC_007795.1	2107024	2108634	1611	SAOUHSC_02276	GeneID:3919151
SAOUHSC_02277	NC_007795.1	2108736	2109761	1026	gcp	GeneID:3919152
SAOUHSC_02278	NC_007795.1	2109754	2110164	411	SAOUHSC_02278	GeneID:3919153
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SAOUHSC_02280	NC_007795.1	2110834	2111268	435	SAOUHSC_02280	GeneID:3919155
SAOUHSC_02281	NC_007795.1	2111806	2113494	1689	SAOUHSC_02281	GeneID:3919156
SAOUHSC_02282	NC_007795.1	2113522	2115291	1770	SAOUHSC_02282	GeneID:3919157
SAOUHSC_02283	NC_007795.1	2115291	2115545	255	SAOUHSC_02283	GeneID:3919158
SAOUHSC_02284	NC_007795.1	2115682	2116686	1005	SAOUHSC_02284	GeneID:3919159
SAOUHSC_02285	NC_007795.1	2116716	2118245	1530	SAOUHSC_02285	GeneID:3919160
SAOUHSC_02286	NC_007795.1	2118248	2119294	1047	SAOUHSC_02286	GeneID:3919161
SAOUHSC_02287	NC_007795.1	2119308	2120678	1371	SAOUHSC_02287	GeneID:3919162
SAOUHSC_02288	NC_007795.1	2120679	2121251	573	leuD	GeneID:3919163
SAOUHSC_02289	NC_007795.1	2121266	2122534	1269	SAOUHSC_02289	GeneID:3919164
SAOUHSC_02294	NC_007795.1	2128216	2128323	108	SAOUHSC_02294	GeneID:3919166
SAOUHSC_02296	NC_007795.1	2128897	2129352	456	SAOUHSC_02296	GeneID:3919167
SAOUHSC_02297	NC_007795.1	2129345	2131495	2151	SAOUHSC_02297	GeneID:3919168
SAOUHSC_02298	NC_007795.1	2131929	2132699	771	SAOUHSC_02298	GeneID:3919169
SAOUHSC_02299	NC_007795.1	2132674	2133183	510	SAOUHSC_02299	GeneID:3919170
SAOUHSC_02300	NC_007795.1	2133155	2133481	327	SAOUHSC_02300	GeneID:3919171

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SAOUHSC_02301	NC_007795.1	2133600	2134590	991	SAOUHSC_02301	GeneID:3919172
SAOUHSC_02303	NC_007795.1	2134939	2135301	363	SAOUHSC_02303	GeneID:3919174
SAOUHSC_02304	NC_007795.1	2135298	2135468	171	SAOUHSC_02304	GeneID:3919175
SAOUHSC_02305	NC_007795.1	2135553	2136701	1149	SAOUHSC_02305	GeneID:3920930
SAOUHSC_02306	NC_007795.1	2136767	2137126	360	acpS	GeneID:3920931
SAOUHSC_02307	NC_007795.1	2137130	2137621	492	SAOUHSC_02307	GeneID:3920932
SAOUHSC_02308	NC_007795.1	2137608	2139191	1584	SAOUHSC_02308	GeneID:3920933
SAOUHSC_02309	NC_007795.1	2139184	2139663	480	SAOUHSC_02309	GeneID:3920934
SAOUHSC_02310	NC_007795.1	2139872	2140432	561	SAOUHSC_02310	GeneID:3920935
SAOUHSC_02311	NC_007795.1	2140452	2142425	1974	SAOUHSC_02311	GeneID:3920936
SAOUHSC_02312	NC_007795.1	2142498	2144174	1677	SAOUHSC_02312	GeneID:3920937
SAOUHSC_02313	NC_007795.1	2144198	2144308	111	SAOUHSC_02313	GeneID:3920938
SAOUHSC_02314	NC_007795.1	2144446	2147103	2658	SAOUHSC_02314	GeneID:3920939
SAOUHSC_02315	NC_007795.1	2147103	2147798	696	SAOUHSC_02315	GeneID:3920940
SAOUHSC_02316	NC_007795.1	2148167	2149687	1521	SAOUHSC_02316	GeneID:3920941
SAOUHSC_02317	NC_007795.1	2150204	2151562	1359	SAOUHSC_02317	GeneID:3920942
SAOUHSC_02318	NC_007795.1	2151577	2152647	1071	ddl	GeneID:3920943
SAOUHSC_02319	NC_007795.1	2152965	2154167	1203	SAOUHSC_02319	GeneID:3920944
SAOUHSC_02320	NC_007795.1	2154431	2154568	138	SAOUHSC_02320	GeneID:3920945
SAOUHSC_02321	NC_007795.1	2154696	2154905	210	SAOUHSC_02321	GeneID:3920946
SAOUHSC_02322	NC_007795.1	2154917	2155210	294	SAOUHSC_02322	GeneID:3920947
SAOUHSC_02323	NC_007795.1	2155376	2156860	1485	SAOUHSC_02323	GeneID:3920948
SAOUHSC_02324	NC_007795.1	2156888	2157535	648	SAOUHSC_02324	GeneID:3920949
SAOUHSC_02325	NC_007795.1	2157595	2157702	108	SAOUHSC_02325	GeneID:3920950
SAOUHSC_02326	NC_007795.1	2157710	2157802	93	SAOUHSC_02326	GeneID:3920951
SAOUHSC_02327	NC_007795.1	2158348	2159220	873	SAOUHSC_02327	GeneID:3920952
SAOUHSC_02328	NC_007795.1	2159306	2159947	642	thiE	GeneID:3920953
SAOUHSC_02329	NC_007795.1	2159949	2160740	792	SAOUHSC_02329	GeneID:3920954
SAOUHSC_02330	NC_007795.1	2160724	2161554	831	SAOUHSC_02330	GeneID:3920955
SAOUHSC_02331	NC_007795.1	2161547	2162236	690	SAOUHSC_02331	GeneID:3920956
SAOUHSC_02332	NC_007795.1	2162336	2162467	132	SAOUHSC_02332	GeneID:3920957
SAOUHSC_02333	NC_007795.1	2162622	2163317	696	SAOUHSC_02333	GeneID:3920958
SAOUHSC_02334	NC_007795.1	2163706	2164101	396	SAOUHSC_02334	GeneID:3920959
SAOUHSC_02335	NC_007795.1	2164232	2164735	504	SAOUHSC_02335	GeneID:3920960
SAOUHSC_02336	NC_007795.1	2164794	2165234	441	fabZ	GeneID:3920961
SAOUHSC_02337	NC_007795.1	2165268	2166533	1266	SAOUHSC_02337	GeneID:3920962
SAOUHSC_02338	NC_007795.1	2166644	2166877	234	SAOUHSC_02338	GeneID:3920963
SAOUHSC_02339	NC_007795.1	2167009	2167101	93	SAOUHSC_02339	GeneID:3920964
SAOUHSC_02340	NC_007795.1	2167439	2167843	405	atpC	GeneID:3920965
SAOUHSC_02341	NC_007795.1	2167863	2169275	1413	SAOUHSC_02341	GeneID:3920966
SAOUHSC_02343	NC_007795.1	2169297	2170163	867	SAOUHSC_02343	GeneID:3920967
SAOUHSC_02345	NC_007795.1	2170194	2171702	1509	SAOUHSC_02345	GeneID:3920968
SAOUHSC_02346	NC_007795.1	2171724	2172263	540	SAOUHSC_02346	GeneID:3919390
SAOUHSC_02347	NC_007795.1	2172263	2172784	522	SAOUHSC_02347	GeneID:3919391
SAOUHSC_02349	NC_007795.1	2172982	2173194	213	SAOUHSC_02349	GeneID:3919392
SAOUHSC_02350	NC_007795.1	2173237	2173965	729	SAOUHSC_02350	GeneID:3919393
SAOUHSC_02351	NC_007795.1	2173986	2174438	453	SAOUHSC_02351	GeneID:3919394
SAOUHSC_02352	NC_007795.1	2174506	2175633	1128	SAOUHSC_02352	GeneID:3919395
SAOUHSC_02353	NC_007795.1	2175657	2176286	630	upp	GeneID:3919396
SAOUHSC_02354	NC_007795.1	2176314	2177552	1239	glyA	GeneID:3919397
SAOUHSC_02355	NC_007795.1	2177579	2178103	525	SAOUHSC_02355	GeneID:3919398
SAOUHSC_02356	NC_007795.1	2178210	2178629	420	SAOUHSC_02356	GeneID:3919399
SAOUHSC_02357	NC_007795.1	2178626	2179723	1098	SAOUHSC_02357	GeneID:3919400
SAOUHSC_02358	NC_007795.1	2179756	2180508	753	SAOUHSC_02358	GeneID:3919401
SAOUHSC_02359	NC_007795.1	2180579	2181655	1077	prfA	GeneID:3919402

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SAOUHSC_02360	NC_007795.1	2181656	2182255	600	SAOUHSC_02360	GeneID:3919403
SAOUHSC_02361	NC_007795.1	2182602	2182856	255	rpmE2	GeneID:3919404
SAOUHSC_02362	NC_007795.1	2182974	2184290	1317	rho	GeneID:3919405
SAOUHSC_02363	NC_007795.1	2184537	2185964	1428	SAOUHSC_02363	GeneID:3919406
SAOUHSC_02364	NC_007795.1	2186202	2186537	336	SAOUHSC_02364	GeneID:3919407
SAOUHSC_02365	NC_007795.1	2186626	2187885	1260	SAOUHSC_02365	GeneID:3919408
SAOUHSC_02366	NC_007795.1	2188351	2189211	861	SAOUHSC_02366	GeneID:3919409
SAOUHSC_02367	NC_007795.1	2189429	2189950	522	SAOUHSC_02367	GeneID:3919410
SAOUHSC_02368	NC_007795.1	2190059	2191669	1611	pyrG	GeneID:3919411
SAOUHSC_02369	NC_007795.1	2192005	2192535	531	SAOUHSC_02369	GeneID:3919412
SAOUHSC_02370	NC_007795.1	2192647	2193507	861	SAOUHSC_02370	GeneID:3919413
SAOUHSC_02371	NC_007795.1	2193931	2194734	804	SAOUHSC_02371	GeneID:3919414
SAOUHSC_02372	NC_007795.1	2194864	2195535	672	SAOUHSC_02372	GeneID:3919415
SAOUHSC_02373	NC_007795.1	2195934	2197127	1194	SAOUHSC_02373	GeneID:3919416
SAOUHSC_02374	NC_007795.1	2197127	2198311	1185	SAOUHSC_02374	GeneID:3919417
SAOUHSC_02375	NC_007795.1	2198622	2199092	471	SAOUHSC_02375	GeneID:3919418
SAOUHSC_02376	NC_007795.1	2199244	2199594	351	SAOUHSC_02376	GeneID:3919419
SAOUHSC_02377	NC_007795.1	2199608	2200909	1302	SAOUHSC_02377	GeneID:3919420
SAOUHSC_02378	NC_007795.1	2200893	2201021	129	SAOUHSC_02378	GeneID:3919421
SAOUHSC_02379	NC_007795.1	2201188	2201850	663	SAOUHSC_02379	GeneID:3919422
SAOUHSC_02380	NC_007795.1	2202165	2202875	711	deoD	GeneID:3919423
SAOUHSC_02381	NC_007795.1	2202996	2203439	444	SAOUHSC_02381	GeneID:3919424
SAOUHSC_02382	NC_007795.1	2203639	2204052	414	SAOUHSC_02382	GeneID:3919425
SAOUHSC_02383	NC_007795.1	2204510	2205883	1374	SAOUHSC_02383	GeneID:3919426
SAOUHSC_02384	NC_007795.1	2206555	2206785	231	SAOUHSC_02384	GeneID:3919427
SAOUHSC_02385	NC_007795.1	2206816	2207673	858	SAOUHSC_02385	GeneID:3919428
SAOUHSC_02386	NC_007795.1	2207609	2207833	225	SAOUHSC_02386	GeneID:3919603
SAOUHSC_02387	NC_007795.1	2208190	2208855	666	SAOUHSC_02387	GeneID:3919604
SAOUHSC_02388	NC_007795.1	2209007	2209327	321	SAOUHSC_02388	GeneID:3919605
SAOUHSC_02389	NC_007795.1	2209329	2210309	981	SAOUHSC_02389	GeneID:3919606
SAOUHSC_02390	NC_007795.1	2210575	2211666	1092	SAOUHSC_02390	GeneID:3919607
SAOUHSC_02391	NC_007795.1	2212109	2212213	105	SAOUHSC_02391	GeneID:3919608
SAOUHSC_02393	NC_007795.1	2212900	2214036	1137	SAOUHSC_02393	GeneID:3919610
SAOUHSC_02394	NC_007795.1	2214325	2214417	93	SAOUHSC_02394	GeneID:3919611
SAOUHSC_02396	NC_007795.1	2215122	2215979	858	SAOUHSC_02396	GeneID:3919612
SAOUHSC_02397	NC_007795.1	2216047	2216829	783	SAOUHSC_02397	GeneID:3919613
SAOUHSC_02399	NC_007795.1	2217061	2218866	1806	SAOUHSC_02399	GeneID:3919614
SAOUHSC_02400	NC_007795.1	2219547	2221085	1539	SAOUHSC_02400	GeneID:3919615
SAOUHSC_02401	NC_007795.1	2221120	2223252	2133	SAOUHSC_02401	GeneID:3919616
SAOUHSC_02402	NC_007795.1	2223264	2223698	435	SAOUHSC_02402	GeneID:3919617
SAOUHSC_02403	NC_007795.1	2223698	2224804	1107	SAOUHSC_02403	GeneID:3919618
SAOUHSC_02404	NC_007795.1	2225123	2232559	7437	SAOUHSC_02404	GeneID:3919619
SAOUHSC_02405	NC_007795.1	2232836	2234191	1356	glmM	GeneID:3919620
SAOUHSC_02406	NC_007795.1	2234218	2235150	933	SAOUHSC_02406	GeneID:3919621
SAOUHSC_02407	NC_007795.1	2235152	2235961	810	SAOUHSC_02407	GeneID:3919622
SAOUHSC_02409	NC_007795.1	2236150	2237058	909	SAOUHSC_02409	GeneID:3919623
SAOUHSC_02410	NC_007795.1	2237284	2238603	1320	SAOUHSC_02410	GeneID:3919624
SAOUHSC_02411	NC_007795.1	2238622	2238726	105	SAOUHSC_02411	GeneID:3919625
SAOUHSC_02416	NC_007795.1	2244539	2244724	186	SAOUHSC_02416	GeneID:3919627
SAOUHSC_02417	NC_007795.1	2244813	2245879	1067	SAOUHSC_02417	GeneID:3919628
SAOUHSC_02418	NC_007795.1	2246027	2247469	1443	SAOUHSC_02418	GeneID:3919629
SAOUHSC_02419	NC_007795.1	2247791	2248264	474	SAOUHSC_02419	GeneID:3919630
SAOUHSC_02420	NC_007795.1	2248363	2249706	1344	SAOUHSC_02420	GeneID:3919631
SAOUHSC_02422	NC_007795.1	2249883	2250566	684	SAOUHSC_02422	GeneID:3919632
SAOUHSC_02423	NC_007795.1	2250585	2251772	1188	SAOUHSC_02423	GeneID:3919633

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SAOUHSC_02424	NC_007795.1	2251816	2252331	516	SAOUHSC_02424	GeneID:3919634
SAOUHSC_02425	NC_007795.1	2252508	2252768	261	SAOUHSC_02425	GeneID:3919635
SAOUHSC_02426	NC_007795.1	2252900	2254093	1194	SAOUHSC_02426	GeneID:3919636
SAOUHSC_02427	NC_007795.1	2254506	2255474	969	SAOUHSC_02427	GeneID:3919637
SAOUHSC_02428	NC_007795.1	2255471	2256502	1032	SAOUHSC_02428	GeneID:3919638
SAOUHSC_02430	NC_007795.1	2256514	2257497	984	SAOUHSC_02430	GeneID:3919639
SAOUHSC_02432	NC_007795.1	2257663	2257788	126	SAOUHSC_02432	GeneID:3919640
SAOUHSC_02433	NC_007795.1	2257889	2258959	1071	SAOUHSC_02433	GeneID:3919641
SAOUHSC_02434	NC_007795.1	2258966	2260723	1758	SAOUHSC_02434	GeneID:3918999
SAOUHSC_02435	NC_007795.1	2260710	2261903	1194	SAOUHSC_02435	GeneID:3919000
SAOUHSC_02436	NC_007795.1	2262005	2263981	1977	SAOUHSC_02436	GeneID:3919001
SAOUHSC_02437	NC_007795.1	2264437	2265849	1413	SAOUHSC_02437	GeneID:3919002
SAOUHSC_02441	NC_007795.1	2266097	2266606	510	SAOUHSC_02441	GeneID:3919005
SAOUHSC_02442	NC_007795.1	2266669	2266908	240	SAOUHSC_02442	GeneID:3919006
SAOUHSC_02443	NC_007795.1	2266921	2267457	537	SAOUHSC_02443	GeneID:3919007
SAOUHSC_02444	NC_007795.1	2267632	2269194	1563	SAOUHSC_02444	GeneID:3919008
SAOUHSC_02445	NC_007795.1	2269501	2270502	1002	SAOUHSC_02445	GeneID:3919009
SAOUHSC_02447	NC_007795.1	2270736	2271737	1002	SAOUHSC_02447	GeneID:3919010
SAOUHSC_02448	NC_007795.1	2272020	2272904	885	SAOUHSC_02448	GeneID:3919011
SAOUHSC_02449	NC_007795.1	2273155	2274567	1413	SAOUHSC_02449	GeneID:3919012
SAOUHSC_02450	NC_007795.1	2274585	2276297	1713	SAOUHSC_02450	GeneID:3919013
SAOUHSC_02451	NC_007795.1	2276303	2276614	312	SAOUHSC_02451	GeneID:3919014
SAOUHSC_02452	NC_007795.1	2276636	2277616	981	SAOUHSC_02452	GeneID:3919015
SAOUHSC_02453	NC_007795.1	2277620	2278552	933	SAOUHSC_02453	GeneID:3919016
SAOUHSC_02454	NC_007795.1	2278565	2279080	516	SAOUHSC_02454	GeneID:3919017
SAOUHSC_02455	NC_007795.1	2279096	2279524	429	SAOUHSC_02455	GeneID:3919018
SAOUHSC_02456	NC_007795.1	2279892	2280683	792	SAOUHSC_02456	GeneID:3919019
SAOUHSC_02457	NC_007795.1	2280889	2281629	741	SAOUHSC_02457	GeneID:3919020
SAOUHSC_02458	NC_007795.1	2281920	2282528	609	SAOUHSC_02458	GeneID:3919021
SAOUHSC_02459	NC_007795.1	2282790	2282915	126	SAOUHSC_02459	GeneID:3919022
SAOUHSC_02460	NC_007795.1	2283135	2283983	849	SAOUHSC_02460	GeneID:3919023
SAOUHSC_02461	NC_007795.1	2284053	2284469	417	SAOUHSC_02461	GeneID:3919024
SAOUHSC_02462	NC_007795.1	2284713	2284880	168	SAOUHSC_02462	GeneID:3919025
SAOUHSC_02463	NC_007795.1	2284877	2287300	2424	SAOUHSC_02463	GeneID:3919026
SAOUHSC_02464	NC_007795.1	2287360	2288214	855	SAOUHSC_02464	GeneID:3919027
SAOUHSC_02465	NC_007795.1	2288425	2289240	816	SAOUHSC_02465	GeneID:3919028
SAOUHSC_02467	NC_007795.1	2290323	2291027	705	SAOUHSC_02467	GeneID:3919030
SAOUHSC_02468	NC_007795.1	2291064	2292728	1665	SAOUHSC_02468	GeneID:3919031
SAOUHSC_02469	NC_007795.1	2292961	2293200	240	SAOUHSC_02469	GeneID:3919032
SAOUHSC_02470	NC_007795.1	2293182	2293364	183	SAOUHSC_02470	GeneID:3919033
SAOUHSC_02471	NC_007795.1	2293918	2295324	1407	SAOUHSC_02471	GeneID:3919034
SAOUHSC_02472	NC_007795.1	2295453	2296589	1137	SAOUHSC_02472	GeneID:3919035
SAOUHSC_02473	NC_007795.1	2296590	2296682	93	SAOUHSC_02473	GeneID:3919036
SAOUHSC_02474	NC_007795.1	2296639	2297334	696	SAOUHSC_02474	GeneID:3919037
SAOUHSC_02475	NC_007795.1	2297395	2297688	294	SAOUHSC_02475	GeneID:3920853
SAOUHSC_02476	NC_007795.1	2297685	2298782	1098	SAOUHSC_02476	GeneID:3920854
SAOUHSC_02477	NC_007795.1	2299327	2299725	399	rpsI	GeneID:3920855
SAOUHSC_02478	NC_007795.1	2299739	2300176	438	rplM	GeneID:3920856
SAOUHSC_02480	NC_007795.1	2300416	2301219	804	truA	GeneID:3920857
SAOUHSC_02481	NC_007795.1	2301224	2302030	807	SAOUHSC_02481	GeneID:3920858
SAOUHSC_02482	NC_007795.1	2302020	2302880	861	cbiO	GeneID:3920859
SAOUHSC_02483	NC_007795.1	2302877	2303686	810	cbiO	GeneID:3920860
SAOUHSC_02484	NC_007795.1	2304224	2304592	369	rplQ	GeneID:3920861
SAOUHSC_02485	NC_007795.1	2304609	2305553	945	SAOUHSC_02485	GeneID:3920862
SAOUHSC_02486	NC_007795.1	2305628	2306017	390	SAOUHSC_02486	GeneID:3920863

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SAOUHSC_02487	NC_007795.1	2306041	2306406	366 rpsM	GeneID:3920864
SAOUHSC_02488	NC_007795.1	2306429	2306542	114 rpmJ	GeneID:3920865
SAOUHSC_02489	NC_007795.1	2306574	2306792	219 infA	GeneID:3920866
SAOUHSC_02490	NC_007795.1	2306985	2307632	648 adk	GeneID:3920867
SAOUHSC_02491	NC_007795.1	2307649	2308941	1293 secY	GeneID:3920868
SAOUHSC_02492	NC_007795.1	2308941	2309381	441 rplO	GeneID:3920869
SAOUHSC_02493	NC_007795.1	2309398	2309577	180 rpmD	GeneID:3920870
SAOUHSC_02494	NC_007795.1	2309594	2310094	501 rpsE	GeneID:3920871
SAOUHSC_02495	NC_007795.1	2310115	2310474	360 rplR	GeneID:3920872
SAOUHSC_02496	NC_007795.1	2310505	2311041	537 rplF	GeneID:3920873
SAOUHSC_02498	NC_007795.1	2311066	2311464	399 rpsH	GeneID:3920874
SAOUHSC_02499	NC_007795.1	2311496	2311681	186 rpsN	GeneID:3920875
SAOUHSC_02500	NC_007795.1	2311704	2312243	540 rplE	GeneID:3920876
SAOUHSC_02501	NC_007795.1	2312270	2312587	318 rplX	GeneID:3920877
SAOUHSC_02502	NC_007795.1	2312623	2312991	369 rplN	GeneID:3920878
SAOUHSC_02503	NC_007795.1	2313023	2313286	264 rpsQ	GeneID:3920879
SAOUHSC_02504	NC_007795.1	2313310	2313519	210 SAOUHSC_02504	GeneID:3920880
SAOUHSC_02505	NC_007795.1	2313509	2313943	435 rplP	GeneID:3920881
SAOUHSC_02506	NC_007795.1	2313946	2314599	654 rpsC	GeneID:3920882
SAOUHSC_02507	NC_007795.1	2314623	2314976	354 rplV	GeneID:3920883
SAOUHSC_02508	NC_007795.1	2315005	2315283	279 rpsS	GeneID:3920884
SAOUHSC_02509	NC_007795.1	2315350	2316183	834 rplB	GeneID:3920885
SAOUHSC_02510	NC_007795.1	2316216	2316491	276 rplW	GeneID:3920886
SAOUHSC_02511	NC_007795.1	2316491	2317114	624 rplD	GeneID:3920887
SAOUHSC_02512	NC_007795.1	2317141	2317803	663 rplC	GeneID:3920888
SAOUHSC_02512a	NC_007795.1	2317831	2318139	309 SAOUHSC_02512a	GeneID:16830703
SAOUHSC_02515	NC_007795.1	2318496	2318885	390 SAOUHSC_02515	GeneID:3920889
SAOUHSC_02516	NC_007795.1	2319077	2320255	1179 SAOUHSC_02516	GeneID:3920890
SAOUHSC_02517	NC_007795.1	2320524	2322659	2136 SAOUHSC_02517	GeneID:3920891
SAOUHSC_02518	NC_007795.1	2322685	2322780	96 SAOUHSC_02518	GeneID:3921109
SAOUHSC_02519	NC_007795.1	2322846	2323733	888 SAOUHSC_02519	GeneID:3921110
SAOUHSC_02520	NC_007795.1	2323914	2324777	864 SAOUHSC_02520	GeneID:3921111
SAOUHSC_02521	NC_007795.1	2324894	2325025	132 SAOUHSC_02521	GeneID:3921112
SAOUHSC_02522	NC_007795.1	2325196	2326086	891 SAOUHSC_02522	GeneID:3921113
SAOUHSC_02523	NC_007795.1	2326237	2326401	165 SAOUHSC_02523	GeneID:3921114
SAOUHSC_02524	NC_007795.1	2326646	2326963	318 SAOUHSC_02524	GeneID:3921115
SAOUHSC_02525	NC_007795.1	2327150	2330317	3168 SAOUHSC_02525	GeneID:3921116
SAOUHSC_02527	NC_007795.1	2330434	2331699	1266 SAOUHSC_02527	GeneID:3921117
SAOUHSC_02528	NC_007795.1	2332088	2332339	252 SAOUHSC_02528	GeneID:3921118
SAOUHSC_02529	NC_007795.1	2332331	2333095	765 SAOUHSC_02529	GeneID:3921119
SAOUHSC_02530	NC_007795.1	2333257	2333697	441 SAOUHSC_02530	GeneID:3921120
SAOUHSC_02531	NC_007795.1	2333690	2334901	1212 SAOUHSC_02531	GeneID:3921121
SAOUHSC_02532	NC_007795.1	2335005	2335355	351 SAOUHSC_02532	GeneID:3921122
SAOUHSC_02533	NC_007795.1	2335481	2335651	171 SAOUHSC_02533	GeneID:3921123
SAOUHSC_02534	NC_007795.1	2335708	2335851	144 SAOUHSC_02534	GeneID:3921124
SAOUHSC_02535	NC_007795.1	2335823	2335942	120 SAOUHSC_02535	GeneID:3921125
SAOUHSC_02536	NC_007795.1	2336046	2337068	1023 SAOUHSC_02536	GeneID:3921126
SAOUHSC_02537	NC_007795.1	2337088	2337687	600 mobA	GeneID:3921127
SAOUHSC_02538	NC_007795.1	2337694	2337927	234 SAOUHSC_02538	GeneID:3921128
SAOUHSC_02540	NC_007795.1	2337933	2338379	447 SAOUHSC_02540	GeneID:3921129
SAOUHSC_02541	NC_007795.1	2338393	2338878	486 SAOUHSC_02541	GeneID:3921130
SAOUHSC_02542	NC_007795.1	2338875	2340134	1260 SAOUHSC_02542	GeneID:3921131
SAOUHSC_02543	NC_007795.1	2340197	2340691	495 moaC	GeneID:3921132
SAOUHSC_02544	NC_007795.1	2340693	2341199	507 SAOUHSC_02544	GeneID:3921133
SAOUHSC_02545	NC_007795.1	2341230	2342234	1005 SAOUHSC_02545	GeneID:3921134

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SAOUHSC_02546	NC_007795.1	2342404	2343009	606	SAOUHSC_02546	GeneID:3921135
SAOUHSC_02547	NC_007795.1	2343010	2343681	672	SAOUHSC_02547	GeneID:3921136
SAOUHSC_02549	NC_007795.1	2343695	2344477	783	SAOUHSC_02549	GeneID:3921137
SAOUHSC_02550	NC_007795.1	2344767	2345564	798	SAOUHSC_02550	GeneID:3921138
SAOUHSC_02551	NC_007795.1	2345736	2346506	771	SAOUHSC_02551	GeneID:3921139
SAOUHSC_02552	NC_007795.1	2346578	2347132	555	SAOUHSC_02552	GeneID:3921140
SAOUHSC_02553	NC_007795.1	2347253	2348194	942	SAOUHSC_02553	GeneID:3921141
SAOUHSC_02554	NC_007795.1	2348593	2349501	909	SAOUHSC_02554	GeneID:3921142
SAOUHSC_02555	NC_007795.1	2349715	2350880	1166	SAOUHSC_02555	GeneID:3921143
SAOUHSC_02557	NC_007795.1	2351097	2351987	891	SAOUHSC_02557	GeneID:3921145
SAOUHSC_02558	NC_007795.1	2352262	2352564	303	ureA	GeneID:3921146
SAOUHSC_02559	NC_007795.1	2352578	2352988	411	ureB	GeneID:3921147
SAOUHSC_02561	NC_007795.1	2352985	2354700	1716	ureC	GeneID:3921558
SAOUHSC_02562	NC_007795.1	2354713	2355165	453	ureE	GeneID:3921559
SAOUHSC_02563	NC_007795.1	2355158	2355847	690	SAOUHSC_02563	GeneID:3921560
SAOUHSC_02564	NC_007795.1	2355860	2356474	615	SAOUHSC_02564	GeneID:3921561
SAOUHSC_02565	NC_007795.1	2356474	2357310	837	SAOUHSC_02565	GeneID:3921562
SAOUHSC_02566	NC_007795.1	2357499	2357846	348	SAOUHSC_02566	GeneID:3921563
SAOUHSC_02568	NC_007795.1	2358274	2358600	327	SAOUHSC_02568	GeneID:3921565
SAOUHSC_02569	NC_007795.1	2358664	2359407	744	SAOUHSC_02569	GeneID:3921566
SAOUHSC_02570	NC_007795.1	2359433	2361388	1956	SAOUHSC_02570	GeneID:3921567
SAOUHSC_02571	NC_007795.1	2361998	2362801	804	SAOUHSC_02571	GeneID:3921568
SAOUHSC_02572	NC_007795.1	2362818	2363060	243	SAOUHSC_02572	GeneID:3921569
SAOUHSC_02573	NC_007795.1	2363234	2364634	1401	SAOUHSC_02573	GeneID:3921570
SAOUHSC_02574	NC_007795.1	2364729	2365811	1083	SAOUHSC_02574	GeneID:3921571
SAOUHSC_02575	NC_007795.1	2366059	2366481	423	SAOUHSC_02575	GeneID:3921572
SAOUHSC_02576	NC_007795.1	2366718	2367218	501	SAOUHSC_02576	GeneID:3921573
SAOUHSC_02577	NC_007795.1	2367580	2368533	954	SAOUHSC_02577	GeneID:3921574
SAOUHSC_02579	NC_007795.1	2368625	2369749	1125	SAOUHSC_02579	GeneID:3921575
SAOUHSC_02580	NC_007795.1	2370060	2370698	639	SAOUHSC_02580	GeneID:3921576
SAOUHSC_02581	NC_007795.1	2371319	2371792	474	SAOUHSC_02581	GeneID:3921577
SAOUHSC_02582	NC_007795.1	2371792	2374746	2955	SAOUHSC_02582	GeneID:3921578
SAOUHSC_02583	NC_007795.1	2375348	2376271	924	SAOUHSC_02583	GeneID:3921579
SAOUHSC_02584	NC_007795.1	2376428	2377225	798	SAOUHSC_02584	GeneID:3921580
SAOUHSC_02585	NC_007795.1	2377610	2378302	693	SAOUHSC_02585	GeneID:3921581
SAOUHSC_02587	NC_007795.1	2378949	2379686	738	SAOUHSC_02587	GeneID:3921583
SAOUHSC_02588	NC_007795.1	2379735	2380064	330	SAOUHSC_02588	GeneID:3921584
SAOUHSC_02589	NC_007795.1	2380509	2381381	873	SAOUHSC_02589	GeneID:3921585
SAOUHSC_02590	NC_007795.1	2381768	2383147	1380	SAOUHSC_02590	GeneID:3921586
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SAOUHSC_02592	NC_007795.1	2383780	2383965	186	SAOUHSC_02592	GeneID:3921588
SAOUHSC_02593	NC_007795.1	2384061	2384252	192	SAOUHSC_02593	GeneID:3921589
SAOUHSC_02594	NC_007795.1	2384263	2384898	636	SAOUHSC_02594	GeneID:3921590
SAOUHSC_02595	NC_007795.1	2384973	2385890	918	SAOUHSC_02595	GeneID:3921591
SAOUHSC_02596	NC_007795.1	2386157	2386687	531	SAOUHSC_02596	GeneID:3921592
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SAOUHSC_02599	NC_007795.1	2388687	2389451	765	SAOUHSC_02599	GeneID:3921594
SAOUHSC_02600	NC_007795.1	2389509	2390015	507	SAOUHSC_02600	GeneID:3921595
SAOUHSC_02603	NC_007795.1	2391720	2392289	570	SAOUHSC_02603	GeneID:3921381
SAOUHSC_02604	NC_007795.1	2392776	2393657	882	SAOUHSC_02604	GeneID:3921382
SAOUHSC_02605	NC_007795.1	2393768	2394889	1122	SAOUHSC_02605	GeneID:3921383
SAOUHSC_02606	NC_007795.1	2395166	2396404	1239	SAOUHSC_02606	GeneID:3921384
SAOUHSC_02607	NC_007795.1	2396404	2398065	1662	SAOUHSC_02607	GeneID:3921385
SAOUHSC_02608	NC_007795.1	2398225	2399109	885	SAOUHSC_02608	GeneID:3921386
SAOUHSC_02609	NC_007795.1	2399531	2399950	420	SAOUHSC_02609	GeneID:3921387

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SAOUHSC_02611	NC_007795.1	2401431	2402690	1260	SAOUHSC_02611	GeneID:3921389
SAOUHSC_02612	NC_007795.1	2402756	2403442	687	SAOUHSC_02612	GeneID:3921390
SAOUHSC_02613	NC_007795.1	2403616	2404269	654	SAOUHSC_02613	GeneID:3921391
SAOUHSC_02614	NC_007795.1	2404505	2405524	1020	SAOUHSC_02614	GeneID:3921392
SAOUHSC_02615	NC_007795.1	2405554	2405880	327	SAOUHSC_02615	GeneID:3921393
SAOUHSC_02616	NC_007795.1	2405929	2406114	186	SAOUHSC_02616	GeneID:3921394
SAOUHSC_02618	NC_007795.1	2406098	2407330	1233	SAOUHSC_02618	GeneID:3921395
SAOUHSC_02619	NC_007795.1	2407323	2408222	900	SAOUHSC_02619	GeneID:3921396
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SAOUHSC_02621	NC_007795.1	2409499	2410107	609	SAOUHSC_02621	GeneID:3921398
SAOUHSC_02622	NC_007795.1	2410444	2411652	1209	SAOUHSC_02622	GeneID:3921399
SAOUHSC_02623	NC_007795.1	2411700	2412749	1050	SAOUHSC_02623	GeneID:3921400
SAOUHSC_02624	NC_007795.1	2412780	2413727	948	SAOUHSC_02624	GeneID:3921401
SAOUHSC_02625	NC_007795.1	2413824	2414315	492	SAOUHSC_02625	GeneID:3921402
SAOUHSC_02626	NC_007795.1	2414312	2414731	420	SAOUHSC_02626	GeneID:3921403
SAOUHSC_02627	NC_007795.1	2414839	2415741	903	SAOUHSC_02627	GeneID:3921404
SAOUHSC_02628	NC_007795.1	2415967	2416605	639	SAOUHSC_02628	GeneID:3921405
SAOUHSC_02629	NC_007795.1	2416851	2418782	1932	SAOUHSC_02629	GeneID:3921406
SAOUHSC_02630	NC_007795.1	2418795	2419442	648	SAOUHSC_02630	GeneID:3921407
SAOUHSC_02631	NC_007795.1	2419563	2420114	552	SAOUHSC_02631	GeneID:3921408
SAOUHSC_02632	NC_007795.1	2420344	2421551	1208	SAOUHSC_02632	GeneID:3921409
SAOUHSC_02634	NC_007795.1	2421661	2421789	129	SAOUHSC_02634	GeneID:3921411
SAOUHSC_02635	NC_007795.1	2421820	2423202	1383	SAOUHSC_02635	GeneID:3921412
SAOUHSC_02636	NC_007795.1	2423442	2423897	456	SAOUHSC_02636	GeneID:3921413
SAOUHSC_02638	NC_007795.1	2424092	2425060	969	SAOUHSC_02638	GeneID:3921415
SAOUHSC_02640	NC_007795.1	2426131	2426796	666	SAOUHSC_02640	GeneID:3921417
SAOUHSC_02641	NC_007795.1	2426796	2427851	1056	SAOUHSC_02641	GeneID:3921418
SAOUHSC_02643	NC_007795.1	2427987	2428661	675	SAOUHSC_02643	GeneID:3921205
SAOUHSC_02644	NC_007795.1	2428654	2430027	1374	SAOUHSC_02644	GeneID:3921206
SAOUHSC_02645	NC_007795.1	2430190	2430633	444	SAOUHSC_02645	GeneID:3921207
SAOUHSC_02646	NC_007795.1	2430630	2431085	456	SAOUHSC_02646	GeneID:3921208
SAOUHSC_02647	NC_007795.1	2431151	2432629	1479	SAOUHSC_02647	GeneID:3921209
SAOUHSC_02648	NC_007795.1	2433010	2434608	1599	SAOUHSC_02648	GeneID:3921210
SAOUHSC_02649	NC_007795.1	2434925	2436598	1674	SAOUHSC_02649	GeneID:3921211
SAOUHSC_02650	NC_007795.1	2436751	2437380	630	SAOUHSC_02650	GeneID:3921212
SAOUHSC_02651	NC_007795.1	2437694	2438209	516	SAOUHSC_02651	GeneID:3921213
SAOUHSC_02652	NC_007795.1	2438502	2439404	903	SAOUHSC_02652	GeneID:3921214
SAOUHSC_02653	NC_007795.1	2439450	2439785	336	SAOUHSC_02653	GeneID:3921215
SAOUHSC_02654	NC_007795.1	2439887	2440921	1035	SAOUHSC_02654	GeneID:3921216
SAOUHSC_02655	NC_007795.1	2440932	2441048	117	SAOUHSC_02655	GeneID:3921217
SAOUHSC_02656	NC_007795.1	2441153	2441584	432	SAOUHSC_02656	GeneID:3921218
SAOUHSC_02657	NC_007795.1	2441636	2441728	93	SAOUHSC_02657	GeneID:3921219
SAOUHSC_02658	NC_007795.1	2441791	2443068	1278	SAOUHSC_02658	GeneID:3921220
SAOUHSC_02659	NC_007795.1	2443229	2443852	624	SAOUHSC_02659	GeneID:3921221
SAOUHSC_02660	NC_007795.1	2443898	2444842	945	SAOUHSC_02660	GeneID:3921222
SAOUHSC_02661	NC_007795.1	2444928	2446178	1251	SAOUHSC_02661	GeneID:3921223
SAOUHSC_02662	NC_007795.1	2446156	2446371	216	SAOUHSC_02662	GeneID:3921224
SAOUHSC_02663	NC_007795.1	2446555	2446938	384	SAOUHSC_02663	GeneID:3921225
SAOUHSC_02664	NC_007795.1	2448426	2450531	2106	SAOUHSC_02664	GeneID:3921226
SAOUHSC_02665	NC_007795.1	2450602	2451024	423	SAOUHSC_02665	GeneID:3921227
SAOUHSC_02666	NC_007795.1	2451289	2451645	357	SAOUHSC_02666	GeneID:3921228
SAOUHSC_02667	NC_007795.1	2452049	2453326	1278	SAOUHSC_02667	GeneID:3921229
SAOUHSC_02668	NC_007795.1	2453508	2453873	366	SAOUHSC_02668	GeneID:3921230
SAOUHSC_02669	NC_007795.1	2454271	2454717	447	SAOUHSC_02669	GeneID:3921231

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SAOUHSC_02670	NC_007795.1	2454933	2455361	429	SAOUHSC_02670	GeneID:3921232
SAOUHSC_02671	NC_007795.1	2455468	2456637	1170	SAOUHSC_02671	GeneID:3921233
SAOUHSC_02672	NC_007795.1	2457007	2457921	915	SAOUHSC_02672	GeneID:3921234
SAOUHSC_02674	NC_007795.1	2457900	2458640	741	SAOUHSC_02674	GeneID:3921236
SAOUHSC_02675	NC_007795.1	2458898	2459500	603	SAOUHSC_02675	GeneID:3921237
SAOUHSC_02676	NC_007795.1	2459574	2460608	1035	SAOUHSC_02676	GeneID:3921238
SAOUHSC_02677	NC_007795.1	2460632	2461084	453	SAOUHSC_02677	GeneID:3921239
SAOUHSC_02678	NC_007795.1	2461104	2461781	678	SAOUHSC_02678	GeneID:3921240
SAOUHSC_02679	NC_007795.1	2461774	2462364	591	SAOUHSC_02679	GeneID:3921241
SAOUHSC_02680	NC_007795.1	2462342	2463787	1446	SAOUHSC_02680	GeneID:3921242
SAOUHSC_02681	NC_007795.1	2463891	2467580	3690	SAOUHSC_02681	GeneID:3921243
SAOUHSC_02682	NC_007795.1	2467889	2468866	978	SAOUHSC_02682	GeneID:3919701
SAOUHSC_02683	NC_007795.1	2468857	2469171	315	SAOUHSC_02683	GeneID:3919702
SAOUHSC_02684	NC_007795.1	2469175	2471580	2406	SAOUHSC_02684	GeneID:3919703
SAOUHSC_02685	NC_007795.1	2471646	2472377	732	SAOUHSC_02685	GeneID:3919704
SAOUHSC_02686	NC_007795.1	2472607	2473143	537	SAOUHSC_02686	GeneID:3919705
SAOUHSC_02687	NC_007795.1	2473376	2474200	825	SAOUHSC_02687	GeneID:3919706
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SAOUHSC_02689	NC_007795.1	2474683	2475150	468	SAOUHSC_02689	GeneID:3919708
SAOUHSC_02690	NC_007795.1	2475336	2476886	1551	SAOUHSC_02690	GeneID:3919709
SAOUHSC_02691	NC_007795.1	2477181	2477447	267	SAOUHSC_02691	GeneID:3919710
SAOUHSC_02692	NC_007795.1	2477447	2477698	252	SAOUHSC_02692	GeneID:3919711
SAOUHSC_02693	NC_007795.1	2477863	2477964	102	SAOUHSC_02693	GeneID:3919712
SAOUHSC_02694	NC_007795.1	2477971	2478570	600	SAOUHSC_02694	GeneID:3919713
SAOUHSC_02695	NC_007795.1	2478589	2478939	351	SAOUHSC_02695	GeneID:3919714
SAOUHSC_02696	NC_007795.1	2479206	2480456	1251	SAOUHSC_02696	GeneID:3919715
SAOUHSC_02697	NC_007795.1	2480553	2481284	732	SAOUHSC_02697	GeneID:3919716
SAOUHSC_02698	NC_007795.1	2481281	2482000	720	SAOUHSC_02698	GeneID:3919717
SAOUHSC_02699	NC_007795.1	2481981	2482760	780	SAOUHSC_02699	GeneID:3919718
SAOUHSC_02700	NC_007795.1	2482881	2484239	1359	SAOUHSC_02700	GeneID:3919719
SAOUHSC_02701	NC_007795.1	2484250	2484393	144	SAOUHSC_02701	GeneID:3919720
SAOUHSC_02702	NC_007795.1	2484494	2484598	105	SAOUHSC_02702	GeneID:3919721
SAOUHSC_02703	NC_007795.1	2484752	2485438	687	gpmA	GeneID:3919722
SAOUHSC_02704	NC_007795.1	2485765	2486631	867	SAOUHSC_02704	GeneID:3919723
SAOUHSC_02705	NC_007795.1	2487184	2487288	105	SAOUHSC_02705	GeneID:3919724
SAOUHSC_02706	NC_007795.1	2487383	2488693	1311	SAOUHSC_02706	GeneID:3919725
SAOUHSC_02708	NC_007795.1	2489229	2490158	930	SAOUHSC_02708	GeneID:3919727
SAOUHSC_02709	NC_007795.1	2490726	2491673	948	SAOUHSC_02709	GeneID:3919728
SAOUHSC_02710	NC_007795.1	2491675	2492652	978	SAOUHSC_02710	GeneID:3919729
SAOUHSC_02711	NC_007795.1	2492704	2493171	468	SAOUHSC_02711	GeneID:3919730
SAOUHSC_02712	NC_007795.1	2493182	2493874	693	SAOUHSC_02712	GeneID:3919731
SAOUHSC_02713	NC_007795.1	2493885	2495000	1116	SAOUHSC_02713	GeneID:3919732
SAOUHSC_02714	NC_007795.1	2494978	2495985	1008	SAOUHSC_02714	GeneID:3919733
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SAOUHSC_02717	NC_007795.1	2498230	2498373	144	SAOUHSC_02717	GeneID:3919736
SAOUHSC_02718	NC_007795.1	2498461	2500194	1734	SAOUHSC_02718	GeneID:3919737
SAOUHSC_02719	NC_007795.1	2500219	2501982	1764	SAOUHSC_02719	GeneID:3919738
SAOUHSC_02720	NC_007795.1	2502476	2502583	108	SAOUHSC_02720	GeneID:3919739
SAOUHSC_02721	NC_007795.1	2502610	2502717	108	SAOUHSC_02721	GeneID:3921597
SAOUHSC_02722	NC_007795.1	2502851	2503237	387	SAOUHSC_02722	GeneID:3921598
SAOUHSC_02723	NC_007795.1	2503505	2504647	1143	SAOUHSC_02723	GeneID:3921599
SAOUHSC_02724	NC_007795.1	2504707	2505366	660	SAOUHSC_02724	GeneID:3921600
SAOUHSC_02725	NC_007795.1	2505548	2506759	1212	SAOUHSC_02725	GeneID:3921601
SAOUHSC_02726	NC_007795.1	2506882	2507355	474	SAOUHSC_02726	GeneID:3921602

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SAOUHSC_02727	NC_007795.1	2507555	2508124	570	SAOUHSC_02727	GeneID:3921603
SAOUHSC_02728	NC_007795.1	2508187	2508993	807	SAOUHSC_02728	GeneID:3921604
SAOUHSC_02729	NC_007795.1	2509280	2510689	1410	SAOUHSC_02729	GeneID:3921605
SAOUHSC_02731	NC_007795.1	2510827	2512905	2079	SAOUHSC_02731	GeneID:3921606
SAOUHSC_02732	NC_007795.1	2512984	2513085	102	SAOUHSC_02732	GeneID:3921607
SAOUHSC_02733	NC_007795.1	2513045	2514874	1830	SAOUHSC_02733	GeneID:3921608
SAOUHSC_02734	NC_007795.1	2514968	2515072	105	SAOUHSC_02734	GeneID:3921609
SAOUHSC_02736	NC_007795.1	2515106	2516602	1497	SAOUHSC_02736	GeneID:3921610
SAOUHSC_02737	NC_007795.1	2516694	2517545	852	SAOUHSC_02737	GeneID:3921611
SAOUHSC_02739	NC_007795.1	2517867	2518802	936	SAOUHSC_02739	GeneID:3921613
SAOUHSC_02740	NC_007795.1	2519028	2520428	1401	SAOUHSC_02740	GeneID:3921614
SAOUHSC_02741	NC_007795.1	2520722	2521417	696	SAOUHSC_02741	GeneID:3921615
SAOUHSC_02742	NC_007795.1	2521417	2522358	942	SAOUHSC_02742	GeneID:3921616
SAOUHSC_02743	NC_007795.1	2522375	2523010	636	SAOUHSC_02743	GeneID:3921617
SAOUHSC_02744	NC_007795.1	2523007	2524233	1227	SAOUHSC_02744	GeneID:3921618
SAOUHSC_02745	NC_007795.1	2524560	2524679	120	SAOUHSC_02745	GeneID:3921619
SAOUHSC_02746	NC_007795.1	2524759	2524899	141	SAOUHSC_02746	GeneID:3921620
SAOUHSC_02747	NC_007795.1	2524903	2525502	600	SAOUHSC_02747	GeneID:3921621
SAOUHSC_02750	NC_007795.1	2525682	2527319	1638	SAOUHSC_02750	GeneID:3921622
SAOUHSC_02751	NC_007795.1	2527927	2529279	1353	SAOUHSC_02751	GeneID:3921623
SAOUHSC_02752	NC_007795.1	2529341	2530468	1128	SAOUHSC_02752	GeneID:3921624
SAOUHSC_02753	NC_007795.1	2530924	2531700	777	SAOUHSC_02753	GeneID:3921625
SAOUHSC_02754	NC_007795.1	2531693	2532355	663	SAOUHSC_02754	GeneID:3921626
SAOUHSC_02755	NC_007795.1	2532603	2533679	1077	SAOUHSC_02755	GeneID:3921627
SAOUHSC_02756	NC_007795.1	2534034	2534300	267	SAOUHSC_02756	GeneID:3921628
SAOUHSC_02757	NC_007795.1	2534300	2534557	258	SAOUHSC_02757	GeneID:3921629
SAOUHSC_02759	NC_007795.1	2534916	2535371	456	SAOUHSC_02759	GeneID:3921631
SAOUHSC_02760	NC_007795.1	2535539	2537116	1578	SAOUHSC_02760	GeneID:3921632
SAOUHSC_02761	NC_007795.1	2537311	2538060	750	SAOUHSC_02761	GeneID:3921633
SAOUHSC_02762	NC_007795.1	2538284	2539477	1194	SAOUHSC_02762	GeneID:3921634
SAOUHSC_02763	NC_007795.1	2539489	2540238	750	SAOUHSC_02763	GeneID:3921635
SAOUHSC_02764	NC_007795.1	2540231	2541046	816	SAOUHSC_02764	GeneID:3921419
SAOUHSC_02765	NC_007795.1	2541043	2541912	870	SAOUHSC_02765	GeneID:3921420
SAOUHSC_02766	NC_007795.1	2541909	2542844	936	SAOUHSC_02766	GeneID:3921421
SAOUHSC_02767	NC_007795.1	2542857	2544455	1599	SAOUHSC_02767	GeneID:3921422
SAOUHSC_02768	NC_007795.1	2544598	2545812	1215	SAOUHSC_02768	GeneID:3921423
SAOUHSC_02769	NC_007795.1	2545892	2546710	819	SAOUHSC_02769	GeneID:3921424
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SAOUHSC_02771	NC_007795.1	2548409	2548774	366	SAOUHSC_02771	GeneID:3921426
SAOUHSC_02772	NC_007795.1	2549037	2549756	720	SAOUHSC_02772	GeneID:3921427
SAOUHSC_02773	NC_007795.1	2550088	2551626	1539	SAOUHSC_02773	GeneID:3921428
SAOUHSC_02774	NC_007795.1	2551738	2552160	423	SAOUHSC_02774	GeneID:3921429
SAOUHSC_02775	NC_007795.1	2552612	2553031	420	SAOUHSC_02775	GeneID:3921430
SAOUHSC_02776	NC_007795.1	2553049	2553468	420	SAOUHSC_02776	GeneID:3921431
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SAOUHSC_02779	NC_007795.1	2555392	2555673	282	SAOUHSC_02779	GeneID:3921434
SAOUHSC_02780	NC_007795.1	2555609	2555794	186	SAOUHSC_02780	GeneID:3921435
SAOUHSC_02781	NC_007795.1	2555933	2556124	192	SAOUHSC_02781	GeneID:3921436
SAOUHSC_02782	NC_007795.1	2556559	2556681	123	SAOUHSC_02782	GeneID:3921437
SAOUHSC_02783	NC_007795.1	2556685	2557479	795	SAOUHSC_02783	GeneID:3921438
SAOUHSC_02784	NC_007795.1	2558015	2558302	288	SAOUHSC_02784	GeneID:3921439
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SAOUHSC_02786	NC_007795.1	2558631	2559955	1325	SAOUHSC_02786	GeneID:3921441
SAOUHSC_02788	NC_007795.1	2559952	2560737	786	SAOUHSC_02788	GeneID:3921443

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SAOUHSC_02789	NC_007795.1	2560849	2561550	702	SAOUHSC_02789	GeneID:3921444
SAOUHSC_02790	NC_007795.1	2561928	2564789	2862	SAOUHSC_02790	GeneID:3921445
SAOUHSC_02791	NC_007795.1	2564791	2565183	393	SAOUHSC_02791	GeneID:3921446
SAOUHSC_02793	NC_007795.1	2565300	2567108	1809	SAOUHSC_02793	GeneID:3921447
SAOUHSC_02794	NC_007795.1	2567392	2567658	267	SAOUHSC_02794	GeneID:3921448
SAOUHSC_02795	NC_007795.1	2567802	2568110	309	SAOUHSC_02795	GeneID:3921449
SAOUHSC_02796	NC_007795.1	2568218	2568451	234	SAOUHSC_02796	GeneID:3921450
SAOUHSC_02797	NC_007795.1	2568432	2569625	1194	SAOUHSC_02797	GeneID:3921451
SAOUHSC_02798	NC_007795.1	2570009	2574892	4884	SAOUHSC_02798	GeneID:3921452
SAOUHSC_02799	NC_007795.1	2575197	2575517	321	SAOUHSC_02799	GeneID:3921453
SAOUHSC_02800	NC_007795.1	2575879	2576622	744	SAOUHSC_02800	GeneID:3921454
SAOUHSC_02801	NC_007795.1	2576833	2577615	783	SAOUHSC_02801	GeneID:3921455
SAOUHSC_02802	NC_007795.1	2577879	2580632	2754	SAOUHSC_02802	GeneID:3921456
SAOUHSC_02803	NC_007795.1	2581383	2584355	2973	SAOUHSC_02803	GeneID:3921457
SAOUHSC_02804	NC_007795.1	2584423	2584524	102	SAOUHSC_02804	GeneID:3921244
SAOUHSC_02805	NC_007795.1	2584573	2584875	303	SAOUHSC_02805	GeneID:3921245
SAOUHSC_02806	NC_007795.1	2584907	2586265	1359	SAOUHSC_02806	GeneID:3921246
SAOUHSC_02808	NC_007795.1	2586382	2587935	1554	SAOUHSC_02808	GeneID:3921247
SAOUHSC_02809	NC_007795.1	2587959	2588639	681	SAOUHSC_02809	GeneID:3921248
SAOUHSC_02810	NC_007795.1	2588793	2589557	765	SAOUHSC_02810	GeneID:3921249
SAOUHSC_02811	NC_007795.1	2589722	2590414	693	SAOUHSC_02811	GeneID:3921250
SAOUHSC_02812	NC_007795.1	2590645	2591061	417	SAOUHSC_02812	GeneID:3921251
SAOUHSC_02813	NC_007795.1	2591200	2593093	1894	SAOUHSC_02813	GeneID:3921252
SAOUHSC_02815	NC_007795.1	2593502	2594779	1278	SAOUHSC_02815	GeneID:3921254
SAOUHSC_02816	NC_007795.1	2595326	2595937	612	SAOUHSC_02816	GeneID:3921255
SAOUHSC_02817	NC_007795.1	2595946	2596044	99	SAOUHSC_02817	GeneID:3921256
SAOUHSC_02818	NC_007795.1	2596034	2597197	1164	SAOUHSC_02818	GeneID:3921257
SAOUHSC_02819	NC_007795.1	2597190	2597648	459	SAOUHSC_02819	GeneID:3921258
SAOUHSC_02820	NC_007795.1	2598082	2598777	696	SAOUHSC_02820	GeneID:3921259
SAOUHSC_02821	NC_007795.1	2598779	2599549	771	SAOUHSC_02821	GeneID:3921260
SAOUHSC_02822	NC_007795.1	2599922	2601886	1965	SAOUHSC_02822	GeneID:3921261
SAOUHSC_02823	NC_007795.1	2602404	2603309	906	SAOUHSC_02823	GeneID:3921262
SAOUHSC_02824	NC_007795.1	2603414	2604007	594	SAOUHSC_02824	GeneID:3921263
SAOUHSC_02825	NC_007795.1	2604029	2604901	873	SAOUHSC_02825	GeneID:3921264
SAOUHSC_02826	NC_007795.1	2605075	2605509	435	SAOUHSC_02826	GeneID:3921265
SAOUHSC_02827	NC_007795.1	2605736	2606020	285	SAOUHSC_02827	GeneID:3921266
SAOUHSC_02828	NC_007795.1	2606191	2606997	807	SAOUHSC_02828	GeneID:3921267
SAOUHSC_02829	NC_007795.1	2607117	2607788	672	SAOUHSC_02829	GeneID:3921268
SAOUHSC_02830	NC_007795.1	2608103	2609050	948	SAOUHSC_02830	GeneID:3921269
SAOUHSC_02831	NC_007795.1	2609299	2610099	801	SAOUHSC_02831	GeneID:3921270
SAOUHSC_02832	NC_007795.1	2610420	2611055	636	SAOUHSC_02832	GeneID:3921271
SAOUHSC_02833	NC_007795.1	2611061	2611792	732	SAOUHSC_02833	GeneID:3921272
SAOUHSC_02834	NC_007795.1	2611952	2612572	621	SAOUHSC_02834	GeneID:3921273
SAOUHSC_02836	NC_007795.1	2612766	2613257	492	SAOUHSC_02836	GeneID:3921274
SAOUHSC_02837	NC_007795.1	2613695	2613865	171	SAOUHSC_02837	GeneID:3921275
SAOUHSC_02838	NC_007795.1	2613927	2614025	99	SAOUHSC_02838	GeneID:3921276
SAOUHSC_02839	NC_007795.1	2614044	2614943	900	SAOUHSC_02839	GeneID:3921277
SAOUHSC_02840	NC_007795.1	2614957	2615637	681	SAOUHSC_02840	GeneID:3921278
SAOUHSC_02841	NC_007795.1	2615640	2616635	996	SAOUHSC_02841	GeneID:3921279
SAOUHSC_02842	NC_007795.1	2617234	2617437	204	SAOUHSC_02842	GeneID:3921280
SAOUHSC_02843	NC_007795.1	2617620	2618555	936	SAOUHSC_02843	GeneID:3921281
SAOUHSC_02844	NC_007795.1	2618637	2619605	969	SAOUHSC_02844	GeneID:3921282
SAOUHSC_02845	NC_007795.1	2619738	2620082	345	SAOUHSC_02845	GeneID:3921519
SAOUHSC_02846	NC_007795.1	2620124	2620534	411	SAOUHSC_02846	GeneID:3921520
SAOUHSC_02848	NC_007795.1	2620914	2622980	2067	SAOUHSC_02848	GeneID:3921521

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SAOUHSC_02849	NC_007795.1	2623281	2625020	1740	SAOUHSC_02849	GeneID:3921522
SAOUHSC_02850	NC_007795.1	2625067	2625756	690	SAOUHSC_02850	GeneID:3921523
SAOUHSC_02851	NC_007795.1	2625749	2626144	396	SAOUHSC_02851	GeneID:3921524
SAOUHSC_02852	NC_007795.1	2626357	2627184	828	SAOUHSC_02852	GeneID:3921525
SAOUHSC_02853	NC_007795.1	2627402	2627620	219	SAOUHSC_02853	GeneID:3921526
SAOUHSC_02855	NC_007795.1	2628010	2628441	432	SAOUHSC_02855	GeneID:3921527
SAOUHSC_02856	NC_007795.1	2628706	2628810	105	SAOUHSC_02856	GeneID:3921528
SAOUHSC_02857	NC_007795.1	2628973	2629107	135	SAOUHSC_02857	GeneID:3921529
SAOUHSC_02858	NC_007795.1	2629201	2629458	258	SAOUHSC_02858	GeneID:3921530
SAOUHSC_02859	NC_007795.1	2630037	2631314	1278	SAOUHSC_02859	GeneID:3921531
SAOUHSC_02860	NC_007795.1	2631568	2632734	1167	SAOUHSC_02860	GeneID:3921532
SAOUHSC_02861	NC_007795.1	2632904	2633425	522	SAOUHSC_02861	GeneID:3921533
SAOUHSC_02862	NC_007795.1	2633834	2635939	2106	SAOUHSC_02862	GeneID:3921534
SAOUHSC_02863	NC_007795.1	2636008	2636178	171	SAOUHSC_02863	GeneID:3921535
SAOUHSC_02864	NC_007795.1	2636191	2638185	1995	SAOUHSC_02864	GeneID:3921536
SAOUHSC_02865	NC_007795.1	2638197	2638424	228	SAOUHSC_02865	GeneID:3921537
SAOUHSC_02866	NC_007795.1	2638640	2641108	2469	SAOUHSC_02866	GeneID:3921538
SAOUHSC_02867	NC_007795.1	2641274	2641822	549	SAOUHSC_02867	GeneID:3921539
SAOUHSC_02868	NC_007795.1	2641899	2642066	168	SAOUHSC_02868	GeneID:3921540
SAOUHSC_02869	NC_007795.1	2642178	2643722	1545	SAOUHSC_02869	GeneID:3921541
SAOUHSC_02871	NC_007795.1	2643912	2644511	600	SAOUHSC_02871	GeneID:3921542
SAOUHSC_02872	NC_007795.1	2644750	2644941	192	SAOUHSC_02872	GeneID:3921543
SAOUHSC_02873	NC_007795.1	2645181	2647589	2409	SAOUHSC_02873	GeneID:3921544
SAOUHSC_02874	NC_007795.1	2647869	2648075	207	SAOUHSC_02874	GeneID:3921545
SAOUHSC_02875	NC_007795.1	2648165	2649163	999	SAOUHSC_02875	GeneID:3921546
SAOUHSC_02876	NC_007795.1	2649186	2650340	1155	SAOUHSC_02876	GeneID:3921547
SAOUHSC_02877	NC_007795.1	2650767	2652275	1509	SAOUHSC_02877	GeneID:3921548
SAOUHSC_02879	NC_007795.1	2652287	2653150	864	SAOUHSC_02879	GeneID:3921549
SAOUHSC_02880	NC_007795.1	2653187	2654314	1128	SAOUHSC_02880	GeneID:3921550
SAOUHSC_02881	NC_007795.1	2654320	2655813	1494	SAOUHSC_02881	GeneID:3921551
SAOUHSC_02882	NC_007795.1	2655806	2656294	489	SAOUHSC_02882	GeneID:3921552
SAOUHSC_02883	NC_007795.1	2656469	2657236	768	SAOUHSC_02883	GeneID:3921553
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SAOUHSC_02886	NC_007795.1	2659920	2660408	489	SAOUHSC_02886	GeneID:3921555
SAOUHSC_02887	NC_007795.1	2660684	2661385	702	SAOUHSC_02887	GeneID:3921556
SAOUHSC_02888	NC_007795.1	2661993	2663048	1056	SAOUHSC_02888	GeneID:3921557
SAOUHSC_02889	NC_007795.1	2663175	2663303	129	SAOUHSC_02889	GeneID:3921341
SAOUHSC_02890	NC_007795.1	2663260	2663397	138	SAOUHSC_02890	GeneID:3921342
SAOUHSC_02891	NC_007795.1	2663458	2664027	570	SAOUHSC_02891	GeneID:3921343
SAOUHSC_02892	NC_007795.1	2664225	2664725	501	SAOUHSC_02892	GeneID:3921344
SAOUHSC_02893	NC_007795.1	2664945	2665175	231	SAOUHSC_02893	GeneID:3921345
SAOUHSC_02894	NC_007795.1	2665325	2665702	378	SAOUHSC_02894	GeneID:3921346
SAOUHSC_02895	NC_007795.1	2665719	2666540	822	SAOUHSC_02895	GeneID:3921347
SAOUHSC_02896	NC_007795.1	2666560	2666859	300	SAOUHSC_02896	GeneID:3921348
SAOUHSC_02897	NC_007795.1	2666990	2667547	558	SAOUHSC_02897	GeneID:3921349
SAOUHSC_02898	NC_007795.1	2667540	2668244	705	SAOUHSC_02898	GeneID:3921350
SAOUHSC_02899	NC_007795.1	2668342	2669352	1011	SAOUHSC_02899	GeneID:3921351
SAOUHSC_02900	NC_007795.1	2669372	2670202	831	SAOUHSC_02900	GeneID:3921352
SAOUHSC_02901	NC_007795.1	2670349	2671239	891	SAOUHSC_02901	GeneID:3921353
SAOUHSC_02902	NC_007795.1	2671337	2672676	1340	SAOUHSC_02902	GeneID:3921354
SAOUHSC_02904	NC_007795.1	2672670	2673776	1107	SAOUHSC_02904	GeneID:3921356
SAOUHSC_02905	NC_007795.1	2674110	2674406	297	SAOUHSC_02905	GeneID:3921357
SAOUHSC_02906	NC_007795.1	2674394	2674762	369	SAOUHSC_02906	GeneID:3921358
SAOUHSC_02907	NC_007795.1	2674777	2675055	279	SAOUHSC_02907	GeneID:3921359
SAOUHSC_02908	NC_007795.1	2675397	2676263	867	SAOUHSC_02908	GeneID:3921360

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SAOUHSC_02909	NC_007795.1	2676481	2677545	1065	SAOUHSC_02909	GeneID:3921361
SAOUHSC_02910	NC_007795.1	2677700	2677975	276	SAOUHSC_02910	GeneID:3921362
SAOUHSC_02911	NC_007795.1	2678161	2678883	723	SAOUHSC_02911	GeneID:3921363
SAOUHSC_02912	NC_007795.1	2679237	2679686	450	SAOUHSC_02912	GeneID:3921364
SAOUHSC_02913	NC_007795.1	2679767	2680354	588	SAOUHSC_02913	GeneID:3921365
SAOUHSC_02914	NC_007795.1	2680332	2680430	99	SAOUHSC_02914	GeneID:3921366
SAOUHSC_02915	NC_007795.1	2680487	2682169	1683	SAOUHSC_02915	GeneID:3921367
SAOUHSC_02916	NC_007795.1	2682298	2682669	372	SAOUHSC_02916	GeneID:3921368
SAOUHSC_02918	NC_007795.1	2682683	2683534	852	panC	GeneID:3921369
SAOUHSC_02919	NC_007795.1	2683527	2684318	792	panB	GeneID:3921370
SAOUHSC_02920	NC_007795.1	2684418	2685278	861	SAOUHSC_02920	GeneID:3921371
SAOUHSC_02921	NC_007795.1	2685364	2686068	705	SAOUHSC_02921	GeneID:3921372
SAOUHSC_02922	NC_007795.1	2686346	2687305	960	SAOUHSC_02922	GeneID:3921373
SAOUHSC_02923	NC_007795.1	2687992	2689440	1449	SAOUHSC_02923	GeneID:3921374
SAOUHSC_02924	NC_007795.1	2689521	2690858	1338	SAOUHSC_02924	GeneID:3921375
SAOUHSC_02925	NC_007795.1	2691116	2691532	417	SAOUHSC_02925	GeneID:3921376
SAOUHSC_02926	NC_007795.1	2691655	2692545	891	SAOUHSC_02926	GeneID:3921377
SAOUHSC_02927	NC_007795.1	2692738	2694234	1497	SAOUHSC_02927	GeneID:3921378
SAOUHSC_02928	NC_007795.1	2694530	2694859	330	SAOUHSC_02928	GeneID:3921379
SAOUHSC_02929	NC_007795.1	2694919	2696517	1599	SAOUHSC_02929	GeneID:3921636
SAOUHSC_02930	NC_007795.1	2696711	2697154	444	SAOUHSC_02930	GeneID:3921637
SAOUHSC_02931	NC_007795.1	2697435	2697647	213	SAOUHSC_02931	GeneID:3921638
SAOUHSC_02932	NC_007795.1	2697925	2699634	1710	SAOUHSC_02932	GeneID:3921639
SAOUHSC_02933	NC_007795.1	2699895	2701385	1491	SAOUHSC_02933	GeneID:3921640
SAOUHSC_02934	NC_007795.1	2701454	2701549	96	SAOUHSC_02934	GeneID:3921641
SAOUHSC_02935	NC_007795.1	2701638	2702201	564	SAOUHSC_02935	GeneID:3921642
SAOUHSC_02936	NC_007795.1	2702389	2703075	687	SAOUHSC_02936	GeneID:3921643
SAOUHSC_02937	NC_007795.1	2703339	2704961	1623	SAOUHSC_02937	GeneID:3921644
SAOUHSC_02939	NC_007795.1	2705093	2705254	162	SAOUHSC_02939	GeneID:3921645
SAOUHSC_02940	NC_007795.1	2705270	2705380	111	SAOUHSC_02940	GeneID:3921646
SAOUHSC_02941	NC_007795.1	2705480	2706016	537	SAOUHSC_02941	GeneID:3921647
SAOUHSC_02942	NC_007795.1	2706013	2707863	1851	SAOUHSC_02942	GeneID:3921648
SAOUHSC_02943	NC_007795.1	2708110	2709480	1371	SAOUHSC_02943	GeneID:3921649
SAOUHSC_02944	NC_007795.1	2709802	2709897	96	SAOUHSC_02944	GeneID:3921650
SAOUHSC_02945	NC_007795.1	2709973	2710578	606	SAOUHSC_02945	GeneID:3921651
SAOUHSC_02947	NC_007795.1	2710641	2712521	1881	SAOUHSC_02947	GeneID:3921652
SAOUHSC_02948	NC_007795.1	2712716	2712808	93	SAOUHSC_02948	GeneID:3921653
SAOUHSC_02949	NC_007795.1	2712916	2713413	498	SAOUHSC_02949	GeneID:3921654
SAOUHSC_02950	NC_007795.1	2714065	2714178	114	SAOUHSC_02950	GeneID:3921655
SAOUHSC_02953	NC_007795.1	2714837	2716837	2001	SAOUHSC_02953	GeneID:3921656
SAOUHSC_02954	NC_007795.1	2716834	2717589	756	SAOUHSC_02954	GeneID:3921657
SAOUHSC_02955	NC_007795.1	2717697	2718584	888	nsaS	GeneID:3921658
SAOUHSC_02956	NC_007795.1	2718595	2719260	666	nsaR	GeneID:3921659
SAOUHSC_02957	NC_007795.1	2719286	2719486	201	SAOUHSC_02957	GeneID:3921660
SAOUHSC_02958	NC_007795.1	2719684	2721108	1425	SAOUHSC_02958	GeneID:3921661
SAOUHSC_02960	NC_007795.1	2721178	2721288	111	SAOUHSC_02960	GeneID:3921662
SAOUHSC_02961	NC_007795.1	2721391	2721846	456	SAOUHSC_02961	GeneID:3921663
SAOUHSC_02962	NC_007795.1	2722091	2722852	762	SAOUHSC_02962	GeneID:3921664
SAOUHSC_02963	NC_007795.1	2722968	2725601	2634	SAOUHSC_02963	GeneID:3921665
SAOUHSC_02964	NC_007795.1	2725951	2726655	705	SAOUHSC_02964	GeneID:3921666
SAOUHSC_02965	NC_007795.1	2726754	2727695	942	SAOUHSC_02965	GeneID:3921667
SAOUHSC_02967	NC_007795.1	2727712	2729142	1431	SAOUHSC_02967	GeneID:3921668
SAOUHSC_02968	NC_007795.1	2729233	2730243	1011	SAOUHSC_02968	GeneID:3921669
SAOUHSC_02969	NC_007795.1	2730276	2731511	1236	SAOUHSC_02969	GeneID:3921670
SAOUHSC_02970	NC_007795.1	2731858	2732307	450	SAOUHSC_02970	GeneID:3921671

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SAOUHSC_02971	NC_007795.1	2732674	2734170	1497	SAOUHSC_02971	GeneID:3921672
SAOUHSC_02972	NC_007795.1	2734627	2735154	528	SAOUHSC_02972	GeneID:3921673
SAOUHSC_02973	NC_007795.1	2735412	2735870	459	SAOUHSC_02973	GeneID:3921674
SAOUHSC_02974	NC_007795.1	2736110	2737984	1875	SAOUHSC_02974	GeneID:3921458
SAOUHSC_02975	NC_007795.1	2738061	2740013	1953	SAOUHSC_02975	GeneID:3921459
SAOUHSC_02976	NC_007795.1	2740027	2740965	939	SAOUHSC_02976	GeneID:3921460
SAOUHSC_02978	NC_007795.1	2741077	2744058	2982	SAOUHSC_02978	GeneID:3921461
SAOUHSC_02979	NC_007795.1	2744269	2746128	1860	SAOUHSC_02979	GeneID:3921462
SAOUHSC_02980	NC_007795.1	2746395	2746955	561	SAOUHSC_02980	GeneID:3921463
SAOUHSC_02982	NC_007795.1	2747123	2749030	1908	SAOUHSC_02982	GeneID:3921464
SAOUHSC_02983	NC_007795.1	2749272	2750630	1359	SAOUHSC_02983	GeneID:3921465
SAOUHSC_02984	NC_007795.1	2750623	2752131	1509	SAOUHSC_02984	GeneID:3921466
SAOUHSC_02985	NC_007795.1	2752149	2754539	2391	azi	GeneID:3921467
SAOUHSC_02986	NC_007795.1	2754529	2755488	960	SAOUHSC_02986	GeneID:3921468
SAOUHSC_02987	NC_007795.1	2755466	2757034	1569	SAOUHSC_02987	GeneID:3921469
SAOUHSC_02988	NC_007795.1	2757024	2758577	1554	SAOUHSC_02988	GeneID:3921470
SAOUHSC_02989	NC_007795.1	2758588	2759799	1212	secY	GeneID:3921471
SAOUHSC_02990	NC_007795.1	2759929	2766744	6816	SAOUHSC_02990	GeneID:3921472
SAOUHSC_02991	NC_007795.1	2767289	2767981	693	SAOUHSC_02991	GeneID:3921473
SAOUHSC_02992	NC_007795.1	2768247	2768675	429	SAOUHSC_02992	GeneID:3921474
SAOUHSC_02993	NC_007795.1	2768662	2768964	303	SAOUHSC_02993	GeneID:3921475
SAOUHSC_02994	NC_007795.1	2769118	2769477	360	SAOUHSC_02994	GeneID:3921476
SAOUHSC_02995	NC_007795.1	2769562	2770173	612	SAOUHSC_02995	GeneID:3921477
SAOUHSC_02996	NC_007795.1	2770252	2770728	477	SAOUHSC_02996	GeneID:3921478
SAOUHSC_02997	NC_007795.1	2770731	2771231	501	SAOUHSC_02997	GeneID:3921479
SAOUHSC_02998	NC_007795.1	2771466	2772233	768	SAOUHSC_02998	GeneID:3921480
SAOUHSC_02999	NC_007795.1	2772230	2772922	693	SAOUHSC_02999	GeneID:3921481
SAOUHSC_03000	NC_007795.1	2772939	2773601	663	SAOUHSC_03000	GeneID:3921482
SAOUHSC_03001	NC_007795.1	2774450	2775010	561	SAOUHSC_03001	GeneID:3921483
SAOUHSC_03002	NC_007795.1	2775174	2776412	1239	SAOUHSC_03002	GeneID:3921484
SAOUHSC_03003	NC_007795.1	2776376	2776681	306	SAOUHSC_03003	GeneID:3921485
SAOUHSC_03004	NC_007795.1	2776678	2777550	873	SAOUHSC_03004	GeneID:3921486
SAOUHSC_03005	NC_007795.1	2777537	2778589	1053	SAOUHSC_03005	GeneID:3921487
SAOUHSC_03006	NC_007795.1	2779036	2781078	2043	SAOUHSC_03006	GeneID:3921488
SAOUHSC_03008	NC_007795.1	2782171	2783559	1389	SAOUHSC_03008	GeneID:3921489
SAOUHSC_03009	NC_007795.1	2783556	2784260	705	SAOUHSC_03009	GeneID:3921490
SAOUHSC_03010	NC_007795.1	2784253	2784831	579	hisH	GeneID:3921491
SAOUHSC_03011	NC_007795.1	2784828	2785406	579	hisB	GeneID:3921492
SAOUHSC_03012	NC_007795.1	2785375	2786388	1014	SAOUHSC_03012	GeneID:3921493
SAOUHSC_03013	NC_007795.1	2786404	2787654	1251	SAOUHSC_03013	GeneID:3921494
SAOUHSC_03014	NC_007795.1	2787647	2788261	615	hisG	GeneID:3921495
SAOUHSC_03015	NC_007795.1	2788279	2789097	819	hisZ	GeneID:3921496
SAOUHSC_03016	NC_007795.1	2789402	2790526	1125	SAOUHSC_03016	GeneID:3921283
SAOUHSC_03017	NC_007795.1	2790644	2791141	498	SAOUHSC_03017	GeneID:3921284
SAOUHSC_03018	NC_007795.1	2791188	2792021	834	SAOUHSC_03018	GeneID:3921285
SAOUHSC_03019	NC_007795.1	2792018	2793730	1713	SAOUHSC_03019	GeneID:3921286
SAOUHSC_03020	NC_007795.1	2793783	2794337	555	SAOUHSC_03020	GeneID:3921287
SAOUHSC_03021	NC_007795.1	2794366	2795214	849	SAOUHSC_03021	GeneID:3921288
SAOUHSC_03022	NC_007795.1	2795594	2796109	516	SAOUHSC_03022	GeneID:3921289
SAOUHSC_03023	NC_007795.1	2796258	2797229	972	SAOUHSC_03023	GeneID:3921290
SAOUHSC_03024	NC_007795.1	2797473	2798429	957	SAOUHSC_03024	GeneID:3921291
SAOUHSC_03025	NC_007795.1	2798581	2799219	639	SAOUHSC_03025	GeneID:3921292
SAOUHSC_03026	NC_007795.1	2799338	2800105	768	SAOUHSC_03026	GeneID:3921293
SAOUHSC_03027	NC_007795.1	2800095	2800433	339	SAOUHSC_03027	GeneID:3921294
SAOUHSC_03028	NC_007795.1	2800600	2801064	465	SAOUHSC_03028	GeneID:3921295

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SAOUHSC_03030	NC_007795.1	2801302	2802720	1419	SAOUHSC_03030	GeneID:3921296
SAOUHSC_03031	NC_007795.1	2803133	2804041	909	SAOUHSC_03031	GeneID:3921297
SAOUHSC_03032	NC_007795.1	2804266	2804841	576	SAOUHSC_03032	GeneID:3921298
SAOUHSC_03033	NC_007795.1	2805006	2806022	1017	SAOUHSC_03033	GeneID:3921299
SAOUHSC_03034	NC_007795.1	2806265	2807059	795	SAOUHSC_03034	GeneID:3921300
SAOUHSC_03035	NC_007795.1	2807193	2807705	513	SAOUHSC_03035	GeneID:3921301
SAOUHSC_03036	NC_007795.1	2807988	2808746	759	SAOUHSC_03036	GeneID:3921302
SAOUHSC_03037	NC_007795.1	2808736	2810616	1881	SAOUHSC_03037	GeneID:3921303
SAOUHSC_03037a	NC_007795.1	2810709	2810900	192	SAOUHSC_03037a	GeneID:16830704
SAOUHSC_03040	NC_007795.1	2810912	2811448	537	SAOUHSC_03040	GeneID:3921305
SAOUHSC_03041	NC_007795.1	2811508	2812005	498	SAOUHSC_03041	GeneID:3921306
SAOUHSC_03042	NC_007795.1	2812084	2812434	351	SAOUHSC_03042	GeneID:3921307
SAOUHSC_03045	NC_007795.1	2813020	2813247	228	SAOUHSC_03045	GeneID:3921309
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SAOUHSC_03048	NC_007795.1	2814666	2815019	354	SAOUHSC_03048	GeneID:3921312
SAOUHSC_03049	NC_007795.1	2815473	2816312	840	SAOUHSC_03049	GeneID:3921313
SAOUHSC_03051	NC_007795.1	2816355	2817074	720	gidB	GeneID:3921314
SAOUHSC_03052	NC_007795.1	2817074	2818951	1878	gidA	GeneID:3921315
SAOUHSC_03053	NC_007795.1	2819018	2820397	1380	trmE	GeneID:3921316
SAOUHSC_03054	NC_007795.1	2820536	2820889	354	rnpA	GeneID:3921317
SAOUHSC_03055	NC_007795.1	2821010	2821147	138	rpmH	GeneID:3921318
SAOUHSC_1307a	NC_007795.1	1253703	1253900	198	SAOUHSC_1307a	GeneID:16830700
SAOUHSC_1342a	NC_007795.1	1284057	1284419	363	SAOUHSC_1342a	GeneID:16830701
SAOUHSC_3042a	NC_007795.1	2812463	2812654	192	SAOUHSC_3042a	GeneID:16830705
SAOUHSC_A00354	NC_007795.1	366986	367195	210	SAOUHSC_A00354	GeneID:3921677
SAOUHSC_A00526	NC_007795.1	547608	547865	258	SAOUHSC_A00526	GeneID:3921679
SAOUHSC_A00992	NC_007795.1	1003967	1004122	156	SAOUHSC_A00992	GeneID:3921683
SAOUHSC_A01081	NC_007795.1	1075291	1075509	219	SAOUHSC_A01081	GeneID:3921686
SAOUHSC_A01436	NC_007795.1	1450026	1450217	192	SAOUHSC_A01436	GeneID:3921688
SAOUHSC_A02169	NC_007795.1	2111333	2111488	156	SAOUHSC_A02169	GeneID:3921698
SAOUHSC_A02189	NC_007795.1	2134741	2134974	234	SAOUHSC_A02189	GeneID:3921699
SAOUHSC_A02331	NC_007795.1	2281666	2281827	162	SAOUHSC_A02331	GeneID:3921702
SAOUHSC_A02450	NC_007795.1	2370858	2371091	234	SAOUHSC_A02450	GeneID:3921705
SAOUHSC_A02577	NC_007795.1	2498063	2498230	168	SAOUHSC_A02577	GeneID:3921709
SAOUHSC_A02794	NC_007795.1	2713423	2713683	261	SAOUHSC_A02794	GeneID:3921713
SAOUHSC_A02811	NC_007795.1	2731688	2731855	168	SAOUHSC_A02811	GeneID:3921499
SAOUHSC_R0001	NC_007795.1	448819	450374	1556	SAOUHSC_R0001	GeneID:3921501
SAOUHSC_R00010	NC_007795.1	2239418	2242340	2923	SAOUHSC_R00010	GeneID:3921510
SAOUHSC_R00011	NC_007795.1	453734	453847	114	SAOUHSC_R00011	GeneID:3921511
SAOUHSC_R00012	NC_007795.1	498013	498127	115	SAOUHSC_R00012	GeneID:3921512
SAOUHSC_R00013	NC_007795.1	1901349	1901463	115	SAOUHSC_R00013	GeneID:3921513
SAOUHSC_R00014	NC_007795.1	2122744	2122858	115	SAOUHSC_R00014	GeneID:3921514
SAOUHSC_R00015	NC_007795.1	2239231	2239345	115	SAOUHSC_R00015	GeneID:3921515
SAOUHSC_R00016	NC_007795.1	492125	492239	115	SAOUHSC_R00016	GeneID:3921516
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SAOUHSC_R0003	NC_007795.1	1904931	1906485	1555	SAOUHSC_R0003	GeneID:3921503
SAOUHSC_R0004	NC_007795.1	2126400	2127954	1555	SAOUHSC_R0004	GeneID:3921504
SAOUHSC_R0005	NC_007795.1	2242800	2244356	1557	SAOUHSC_R0005	GeneID:3921505
SAOUHSC_R0006	NC_007795.1	450739	453661	2923	SAOUHSC_R0006	GeneID:3921506
SAOUHSC_R0007	NC_007795.1	495018	497940	2923	SAOUHSC_R0007	GeneID:3921507
SAOUHSC_R0008	NC_007795.1	1901536	1904457	2922	SAOUHSC_R0008	GeneID:3921508
SAOUHSC_R0009	NC_007795.1	2122931	2125853	2923	SAOUHSC_R0009	GeneID:3921509
SAOUHSC_T0001	NC_007795.1	492902	492977	76	SAOUHSC_T0001	GeneID:3921517
SAOUHSC_T00010	NC_007795.1	2239146	2239220	75	SAOUHSC_T00010	GeneID:3921329

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SAOUHSC_T00011	NC_007795.1	24239	24311	73 SAOUHSC_T00011	GeneID:3921330
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SAOUHSC_T0002	NC_007795.1	1900559	1900634	76 SAOUHSC_T0002	GeneID:3921518
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SAOUHSC_T00048	NC_007795.1	439581	439673	93 SAOUHSC_T00048	GeneID:3921037
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SAOUHSC_T0005	NC_007795.1	772155	772226	72 SAOUHSC_T0005	GeneID:3921324
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SAOUHSC_T00052	NC_007795.1	1900263	1900352	90 SAOUHSC_T00052	GeneID:3921041
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SAOUHSC_T00057	NC_007795.1	1899613	1899693	81 SAOUHSC_T00057	GeneID:3921046
SAOUHSC_T00058	NC_007795.1	2238877	2238960	84 SAOUHSC_T00058	GeneID:3921047
SAOUHSC_T00059	NC_007795.1	492252	492327	76 SAOUHSC_T00059	GeneID:3921067
SAOUHSC_T0006	NC_007795.1	1088006	1088079	74 SAOUHSC_T0006	GeneID:3921325
SAOUHSC_T00060	NC_007795.1	1901262	1901337	76 SAOUHSC_T00060	GeneID:3921068
SAOUHSC_T00061	NC_007795.1	2238990	2239065	76 SAOUHSC_T00061	GeneID:3921069

Sheet1

SAOUHSC_T0007	NC_007795.1	1900735	1900808	74 SAOUHSC_T0007	GeneID:3921326
SAOUHSC_T0008	NC_007795.1	938714	938788	75 SAOUHSC_T0008	GeneID:3921327
SAOUHSC_T0009	NC_007795.1	1864528	1864602	75 SAOUHSC_T0009	GeneID:3921328

Sheet1

cds.product
chromosomal replication initiation protein
DNA polymerase III subunit beta
hypothetical protein
recombination protein F
DNA gyrase subunit B
DNA gyrase subunit A
hypothetical protein
histidine ammonia-lyase
seryl-tRNA synthetase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
50S ribosomal protein L9
replicative DNA helicase
adenylosuccinate synthetase
two-component response regulator
sensory box histidine kinase Vick
hypothetical protein
hypothetical protein
hypothetical protein
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hypothetical protein
rRNA large subunit methyltransferase
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1-phosphatidylinositol phosphodiesterase
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Sheet1

hypothetical protein
hypothetical protein
myosin-cross-reactive antigen
hypothetical protein
hypothetical protein
hypothetical protein
L-lactate permease
protein A
accessory regulator-like protein
lipoprotein SirC
lipoprotein SirB
periplasmic binding protein
hypothetical protein
ornithine cyclodeaminase
hypothetical protein
hypothetical protein
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acetoin reductase
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superoxide dismutase
hypothetical protein
GntR family transcriptional regulator
purine nucleoside phosphorylase
hypothetical protein
deoxyribose-phosphate aldolase
phosphopentomutase
phosphonates ABC transporter permease
phosphonates ABC transporter permease
amino acid ABC transporter ATP-binding protein
phosphonate ABC transporter substrate-binding protein
hypothetical protein
hypothetical protein
hypothetical protein
replication initiation protein
hypothetical protein
NA
bifunctional acetaldehyde-CoA%2Falcohol dehydrogenase
capsular polysaccharide biosynthesis protein
capsular polysaccharide biosynthesis protein Cap5B
capsular polysaccharide biosynthesis protein Cap8C
capsular polysaccharide biosynthesis protein Cap5D
capsular polysaccharide biosynthesis protein Cap5E
capsular polysaccharide biosynthesis protein Cap8F
UDP-N-acetylglucosamine 2-epimerase

Sheet1

capsular polysaccharide biosynthesis protein O-acetyl transferase Cap5H
capsular polysaccharide biosynthesis protein Cap5I
capsular polysaccharide biosynthesis protein Cap5J
capsular polysaccharide biosynthesis protein Cap5K
cap5L protein%2Fglycosyltransferase
capsular polysaccharide biosynthesis protein Cap8M
cap5N protein%2FUDP-glucose 4-epimerase
cap5O protein%2FUDP-N-acetyl-D-mannosaminuronic acid dehydrogenase
UDP-N-acetylglucosamine 2-epimerase
heme-degrading monooxygenase Isdl
hypothetical protein
aldehyde dehydrogenase
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formate dehydrogenase
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acetylglutamate kinase
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N-acetyl-gamma-glutamyl-phosphate reductase
ornithine aminotransferase
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indolepyruvate decarboxylase
hypothetical protein
PTS system glucose-specific protein
hypothetical protein
N-acetylmuramic acid-6-phosphate etherase
PTS system transporter
hypothetical protein
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HsdR family type I site-specific deoxyribonuclease
hypothetical protein
hypothetical protein
hypothetical protein
peptide ABC transporter ATP-binding protein
hypothetical protein
peptide ABC transporter permease
RGD-containing lipoprotein
gamma-glutamyltranspeptidase
hypothetical protein
azoreductase
M23%2FM37 peptidase domain-containing protein
multiple sugar-binding transport ATP-binding protein
extracellular solute-binding protein
maltose ABC transporter permease
maltose ABC transporter permease

Sheet1

hypothetical protein
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sugar phosphate antiporter
response regulator receiver domain-containing protein
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lipoprotein
formate acetyltransferase
pyruvate formate-lyase 1 activating enzyme
NA
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hypothetical protein
staphylocoagulase
hypothetical protein
acetyl-CoA acetyltransferase
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globin domain-containing protein
hypothetical protein
L-lactate dehydrogenase
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PTS system glucose-specific transporter subunit IIBC
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PTS system transporter subunit IIA
PTS system transporter
PTS system transporter
sorbitol dehydrogenase
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hypothetical protein
2-C-methyl-D-erythritol 4-phosphate cytidyltransferase
alcohol dehydrogenase
teichoic acid biosynthesis protein TagB
teichoic acid biosynthesis protein F
2-C-methyl-D-erythritol 4-phosphate cytidyltransferase
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cell wall biosynthesis protein ScdA
two-component sensor histidine kinase
two-component response regulator
murein hydrolase regulator LrgA
antiholin-like protein LrgB
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6-phospho-beta-glucosidase
hypothetical protein

Sheet1

lipase
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PTS system ascorbate-specific transporter subunit IIC
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glycerol-3-phosphate transporter
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hypothetical protein
NADPH-dependent FMN reductase
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ribosomal-protein-serine acetyltransferase
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mttA%2FHcf106 family protein-like protein
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ABC transporter ATP-binding protein
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acetyl-CoA acetyltransferase
hypothetical protein
5-methyltetrahydropteroyltriglutamate--homocysteine S-methyltransferase
bifunctional homocysteine S-methyltransferase%2F5%2C10-methylenetetrahydrofolate reductase
trans-sulfuration enzyme family protein
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ParB family chromosome partitioning protein
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GTP-dependent nucleic acid-binding protein EngD
hypothetical protein
30S ribosomal protein S6
bacteriophage L54a single-stranded DNA binding protein
30S ribosomal protein S18
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integrase-like protein
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hypothetical protein

Sheet1

hypothetical protein
hypothetical protein
phosphoglycerate mutase family protein
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alkyl hydroperoxide reductase subunit F
alkyl hydroperoxide reductase subunit C
NAD%28P%29H-flavin oxidoreductase
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xanthine phosphoribosyltransferase
xanthine permease
inosine-5%27-monophosphate dehydrogenase
GMP synthase
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superantigen-like protein
superantigen-like protein
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superantigen-like protein 5
superantigen-like protein
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hypothetical protein
type I restriction-modification system subunit M
restriction modification system specificity subunit
superantigen-like protein
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NADH dehydrogenase subunit 5
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Sheet1

hypothetical protein
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trans-sulfuration enzyme family protein
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ABC transporter permease
ABC transporter substrate-binding protein
autolysin
hypothetical protein
MutT%2Fnudix family protein
hypothetical protein
hypothetical protein
hypothetical protein
LysR family transcriptional regulator
glutamate synthase large subunit
glutamate synthase subunit beta
hypothetical protein
alpha amylase family protein
hypothetical protein
hypothetical protein
hypothetical protein
DNA polymerase III subunits gamma and tau
hypothetical protein
recombination protein RecR
hypothetical protein
Orn%2FLys%2FArg decarboxylase
thymidylate kinase
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DNA polymerase III subunit delta%27
hypothetical protein
DNA replication initiation control protein YabA
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hypothetical protein
methionyl-tRNA synthetase
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hypothetical protein
dimethyladenosine transferase
hypothetical protein
4-diphosphocytidyl-2-C-methyl-D-erythritol kinase
pur operon repressor
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regulatory protein SpoVG
hypothetical protein
bifunctional N-acetylglucosamine-1-phosphate uridyltransferase%2Fglucosamine-1-phosphate acetyltransferase
ribose-phosphate pyrophosphokinase
hypothetical protein
50S ribosomal protein L25%2Fgeneral stress protein Ctc
peptidyl-tRNA hydrolase
transcription-repair coupling factor
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hypothetical protein
hypothetical protein

Sheet1

hypothetical protein
hypothetical protein
hypoxanthine phosphoribosyltransferase
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Hsp33-like chaperonin
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dihydropteroate synthase
dihydroneopterin aldolase
2-amino-4-hydroxy-6-hydroxymethyldihydropteridine pyrophosphokinase
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lysyl-tRNA synthetase
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pyridoxal biosynthesis lyase PdxS
glutamine amidotransferase subunit PdxT
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UvrB%2FUvrC motif-containing protein
ATP:guanido phosphotransferase
endopeptidase
DNA repair protein RadA
hypothetical protein
glutamyl-tRNA synthetase
serine acetyltransferase
cysteiny-tRNA synthetase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
preprotein translocase subunit SecE
transcription antitermination protein
50S ribosomal protein L11
50S ribosomal protein L1
50S ribosomal protein L10
50S ribosomal protein L7%2FL12
hypothetical protein
DNA-directed RNA polymerase subunit beta
DNA-directed RNA polymerase subunit beta%27
50S ribosomal protein L7Ae-like protein
30S ribosomal protein S12
30S ribosomal protein S7
elongation factor G
elongation factor Tu
hypothetical protein
2-amino-3-ketobutyrate coenzyme A ligase
chaperone protein HchA
ribulokinase
hypothetical protein
branched-chain amino acid aminotransferase
hypothetical protein
haloacid dehalogenase-like hydrolase
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hypothetical protein
hypothetical protein
hypothetical protein

Sheet1

hypothetical protein
arginyl-tRNA synthetase
endonuclease III
iron compound ABC transporter substrate-binding protein
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haloacid dehalogenase-like hydrolase
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accessory regulator A
hypothetical protein
hypothetical protein
integrase%2Frecombinase
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monovalent cation%2FH%2B antiporter subunit B
monovalent cation%2FH%2B antiporter subunit C
monovalent cation%2FH%2B antiporter subunit D
monovalent cation%2FH%2B antiporter subunit E
monovalent cation%2FH%2B antiporter subunit G
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ABC transporter substrate-binding protein
iron %28chelated%29 ABC transporter permease
hypothetical protein
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teichoic acid biosynthesis protein
teichoic acids export protein ATP-binding subunit
teichoic acid biosynthesis protein
teichoic acid biosynthesis protein TagB
glycosyltransferase TagX
glycerol-3-phosphate cytidyltransferase
penicillin-binding protein 4
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iron compound ABC transporter ATP-binding protein
ferrichrome transport permease FhuB
ferrichrome ABC transporter permease
dihydroxyacetone kinase subunit DhaK
hypothetical protein
PTS system mannose-specific family transporter subunit IIA
hypothetical protein
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ABC transporter ATP-binding protein
ABC transporter permease
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hypothetical protein

Sheet1

secretory antigen SsaA-like protein
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hypothetical protein
major facilitator superfamily protein superfamily
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undecaprenyl pyrophosphate phosphatase
hypothetical protein
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deoxyribodipyrimidine photolyase
hypothetical protein
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hypothetical protein
quinolone resistance protein NorA
hypothetical protein
hypothetical protein
hypothetical protein
fructose 1-phosphate kinase
fructose specific permease
N-acetylglucosamine-6-phosphate deacetylase
hypothetical protein
hypothetical protein
hypothetical protein
sensor histidine kinase SaeS
response regulator
hypothetical protein
hypothetical protein
hypothetical protein
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6-pyruvoyl tetrahydropterin synthase
hypothetical protein
para-aminobenzoate synthase glutamine amidotransferase component II
hypothetical protein
chorismate binding protein
hypothetical protein
hypothetical protein

Sheet1

hypothetical protein
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ABC transporter ATP-binding protein
ATP-dependent DNA helicase RecQ
ABC transporter
amino acid ABC transporter permease
histidinol-phosphate aminotransferase
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7-cyano-7-deazaguanine reductase
hypothetical protein
ribonucleotide reductase stimulatory protein
ribonucleotide-diphosphate reductase subunit alpha
ribonucleotide-diphosphate reductase subunit beta
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
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hypothetical protein
UDP-N-acetylenolpyruvoylglucosamine reductase
hypothetical protein
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hypothetical protein
peptidase T
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preprotein translocase subunit SecA
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peptide chain release factor 2
hypothetical protein
LysM domain-containing protein
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excinuclease ABC subunit B
hypothetical protein
excinuclease ABC subunit B
excinuclease ABC subunit A
HPr kinase%2Fphosphorylase
prolipoprotein diacylglycerol transferase
hypothetical protein
hypothetical protein
thioredoxin reductase

Sheet1

hypothetical protein
hypothetical protein
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hypothetical protein
ATP-dependent Clp protease proteolytic subunit
hypothetical protein
hypothetical protein
glycolytic operon regulator
glyceraldehyde-3-phosphate dehydrogenase
phosphoglycerate kinase
triosephosphate isomerase
phosphoglyceromutase
phosphopyruvate hydratase
hypothetical protein
preprotein translocase subunit SecG
carboxylesterase
ribonuclease R
SsrA-binding protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
clumping factor
extracellular matrix and plasma binding protein
hypothetical protein
thermonuclease
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
3-dehydroquinate dehydratase
hypothetical protein
thioredoxin
hypothetical protein
glycine cleavage system protein H
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
ABC transporter ATP-binding protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein

Sheet1

ABC transporter ATP-binding protein
hypothetical protein
aminotransferase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
5-nucleotidase family protein
lipoyl synthase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
D-isomer specific 2-hydroxyacid dehydrogenase NAD binding domain-containing protein
hypothetical protein
hypothetical protein
D-alanine--poly%28phosphoribitol%29 ligase subunit 1
D-alanine transfer protein DltB
D-alanine--poly%28phosphoribitol%29 ligase subunit 2
extramembranal protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
cytosol aminopeptidase
hypothetical protein
hypothetical protein
hypothetical protein
monovalent cation%2FH%2B antiporter subunit G
monovalent cation%2FH%2B antiporter subunit F
monovalent cation%2FH%2B antiporter subunit E
monovalent cation%2FH%2B antiporter subunit D
monovalent cation%2FH%2B antiporter subunit C
monovalent cation%2FH%2B antiporter subunit B
monovalent cation%2FH%2B antiporter subunit A
hypothetical protein
cyclophilin-type peptidyl-prolyl cis-trans isomerase
hypothetical protein
FMN oxidoreductase
ornithine--oxo-acid transaminase
glutamate dehydrogenase
hypothetical protein
hypothetical protein
argininosuccinate lyase
argininosuccinate synthase
glucose-6-phosphate isomerase
hypothetical protein
signal peptidase IA

Sheet1

signal peptidase IB
exonuclease RexB
ATP-dependent nuclease subunit A
hypothetical protein
hypothetical protein
coenzyme A disulfide reductase
hypothetical protein
hypothetical protein
hypothetical protein
ATP-dependent Clp protease ATP-binding subunit ClpB
hypothetical protein
2-isopropylmalate synthase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
3-oxoacyl-acyl carrier protein synthase III
3-oxoacyl- synthase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
oligopeptide ABC transporter ATP-binding protein
oligopeptide ABC transporter substrate-binding protein
oligopeptide ABC transporter substrate-binding protein
oligopeptide ABC transporter ATP-binding protein
oligopeptide ABC transporter ATP-binding protein
oligopeptide ABC transporter permease
oligopeptide ABC transporter permease
tryptophanyl-tRNA synthetase
transcriptional regulator Spx
adaptor protein
hypothetical protein
oligoendopeptidase F
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
GTP pyrophosphokinase
inorganic polyphosphate ATP-NAD kinase
hypothetical protein
magnesium transporter
hypothetical protein
enoyl-acyl carrier protein reductase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
diacylglycerol glucosyltransferase
UDP-N-acetylmuramoylalanyl-D-glutamate--L-lysine ligase
hypothetical protein
peptide chain release factor 3
hypothetical protein
serine protease HtrA

Sheet1

hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
lipoyltransferase and lipoate-protein ligase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
ABC transporter ATP-binding protein
hypothetical protein
hypothetical protein
NA
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
1%2C4-dihydroxy-2-naphthoate octaprenyltransferase
hypothetical protein
hypothetical protein
2-succinyl-6-hydroxy-2%2C4-cyclohexadiene-1-carboxylic acid synthase%2F2-oxoglutarate decarboxylase
hypothetical protein
naphthoate synthase
cysteine protease
cysteine protease
glutamyl endopeptidase
hypothetical protein
hypothetical protein
MarR family transcriptional regulator
hypothetical protein
bifunctional autolysin
hypothetical protein
hypothetical protein
hypothetical protein
methicillin resistance protein FmtA
quinol oxidase subunit IV
cytochrome c oxidase subunit III
quinol oxidase subunit I
quinol oxidase AA3 subunit II
hypothetical protein
hypothetical protein
bifunctional 5%2C10-methylene-tetrahydrofolate dehydrogenase%2F 5%2C10-methylene-tetrahydrofolate cy
phosphoribosylaminoimidazole carboxylase catalytic subunit
phosphoribosylaminoimidazole carboxylase ATPase subunit
phosphoribosylaminoimidazole-succinocarboxamide synthase
phosphoribosylformylglycinamide synthase PurS
phosphoribosylformylglycinamide synthase I
phosphoribosylformylglycinamide synthase II
amidophosphoribosyltransferase
phosphoribosylaminoimidazole synthetase
phosphoribosylglycinamide formyltransferase
bifunctional phosphoribosylaminoimidazolecarboxamide formyltransferase%2FIMP cyclohydrolase

Sheet1

phosphoribosylamine--glycine ligase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
phosphocarrier protein HPr
phosphoenolpyruvate-protein phosphotransferase
hypothetical protein
cytochrome d ubiquinol oxidase subunit I
cytochrome d ubiquinol oxidase subunit II
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
peptide deformylase
hypothetical protein
pyruvate dehydrogenase complex%2C E1 component subunit alpha
pyruvate dehydrogenase complex%2C E1 component subunit beta
branched-chain alpha-keto acid dehydrogenase subunit E2
dihydrolipoamide dehydrogenase
hypothetical protein
hypothetical protein
ABC transporter
spermidine%2Fputrescine ABC transporter permease
spermidine%2Fputrescine ABC transporter permease
spermidine%2Fputrescine ABC transporter substrate-binding protein
hypothetical protein
hypothetical protein
manganese transport protein MntH
hypothetical protein
inositol monophosphatase family protein
membrane protein
GTP-binding protein TypA
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
pyruvate carboxylase
heme A synthase
protoheme IX farnesyltransferase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
glycerophosphoryl diester phosphodiesterase
hypothetical protein
hypothetical protein
hypothetical protein
phosphopantetheine adenylyltransferase
hypothetical protein
hypothetical protein

NA
neurofilament protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
iron compound ABC transporter permease
iron compound ABC transporter permease
hypothetical protein
heme-degrading monooxygenase IsdG
hypothetical protein
hypothetical protein
phenylalanyl-tRNA synthetase subunit alpha
phenylalanyl-tRNA synthetase subunit beta
ribonuclease HIII
hypothetical protein
hypothetical protein
hypothetical protein
recombination and DNA strand exchange inhibitor protein
thioredoxin
hypothetical protein
excinuclease ABC subunit C
succinate dehydrogenase cytochrome b-558 subunit
succinate dehydrogenase flavoprotein subunit
succinate dehydrogenase iron-sulfur subunit
glutamate racemase
nucleoside-triphosphatase
hypothetical protein
hypothetical protein
fibrinogen-binding protein-like protein
hypothetical protein
formyl peptide receptor-like 1 inhibitory protein
hypothetical protein
fibrinogen-binding protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
alpha-hemolysin
hypothetical protein
hypothetical protein
superantigen-like protein
superantigen-like protein
superantigen-like protein
ornithine carbamoyltransferase
carbamate kinase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein

Sheet1

hypothetical protein
cell division protein MraZ
S-adenosyl-methyltransferase MraW
cell division protein
penicillin-binding protein 1
phospho-N-acetylmuramoyl-pentapeptide-transferase
UDP-N-acetylmuramoyl-L-alanyl-D-glutamate synthetase
cell division protein
cell division protein
cell division protein FtsZ
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
isoleucyl-tRNA synthetase
hypothetical protein
lipoprotein signal peptidase
hypothetical protein
bifunctional pyrimidine regulatory protein PyrR%2Furacil phosphoribosyltransferase
uracil permease
aspartate carbamoyltransferase catalytic subunit
dihydroorotase
carbamoyl phosphate synthase small subunit
carbamoyl phosphate synthase large subunit
orotidine 5%-phosphate decarboxylase
orotate phosphoribosyltransferase
hypothetical protein
hypothetical protein
fibrinogen-binding protein A-like protein
guanylate kinase
DNA-directed RNA polymerase subunit omega
bifunctional phosphopantothenoylecysteine decarboxylase%2Fphosphopantothenate--cysteine ligase
primosomal protein N
hypothetical protein
hypothetical protein
peptide deformylase
methionyl-tRNA formyltransferase
sun protein
ribosomal RNA large subunit methyltransferase N
hypothetical protein
hypothetical protein
hypothetical protein
ribulose-phosphate 3-epimerase
hypothetical protein
50S ribosomal protein L28
hypothetical protein
hypothetical protein
ATP-dependent DNA helicase RecG
fatty acid biosynthesis transcriptional regulator
glycerol-3-phosphate acyltransferase PlsX
malonyl CoA-acyl carrier protein transacylase
3-oxoacyl-%28acyl-carrier-protein%29 reductase
hypothetical protein

Sheet1

acyl carrier protein
ribonuclease III
SMC domain-containing protein
signal recognition particle-docking protein FtsY
DNA-binding protein
signal recognition particle protein
30S ribosomal protein S16
16S rRNA-processing protein RimM
tRNA %28guanine-N%281%29-%29-methyltransferase
50S ribosomal protein L19
hypothetical protein
ribosomal biogenesis GTPase
ribonuclease HII
succinyl-CoA synthetase subunit beta
succinyl-CoA synthetase subunit alpha
cell wall hydrolase
hypothetical protein
hypothetical protein
DNA topoisomerase I
tRNA %28uracil-5-%29-methyltransferase Gid
site-specific recombinase
ATP-dependent protease peptidase subunit
ATP-dependent protease ATP-binding subunit HslU
transcriptional repressor CodY
hypothetical protein
hypothetical protein
elongation factor Ts
uridylyl kinase
ribosome recycling factor
undecaprenyl pyrophosphate synthase
phosphatidate cytidylyltransferase
hypothetical protein
prolyl-tRNA synthetase
DNA polymerase III PolC
hypothetical protein
transcription elongation factor NusA
hypothetical protein
hypothetical protein
translation initiation factor IF-2
ribosome-binding factor A
tRNA pseudouridine synthase B
riboflavin biosynthesis protein RibF
30S ribosomal protein S15
polynucleotide phosphorylase%2Fpolyadenylase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
CDP-diacylglycerol--glycerol-3-phosphate 3-phosphatidyltransferase
competence-damage inducible protein cinA
recombinase A

Sheet1

hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
catalase
50S ribosomal protein L33
30S ribosomal protein S14
guanosine 5'-monophosphate oxidoreductase
hypothetical protein
hypothetical protein
LexA repressor
hypothetical protein
hypothetical protein
transketolase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
NA
glycine betaine transporter
aconitate hydratase
hypothetical protein
hypothetical protein
hypothetical protein
DNA topoisomerase IV subunit B
DNA topoisomerase IV subunit A
hypothetical protein
sodium:alanine symporter family protein
transcription antiterminator
hypothetical protein
hypothetical protein
hypothetical protein
methionine sulfoxide reductase A
transcriptional regulator
4-oxalocrotonate tautomerase
hypothetical protein
prephenate dehydrogenase
hypothetical protein
anthranilate synthase component I
anthranilate synthase component II
anthranilate phosphoribosyltransferase
indole-3-glycerol-phosphate synthase
N⁵-phosphoribosylanthranilate isomerase
tryptophan synthase subunit beta
tryptophan synthase subunit alpha
methicillin resistance factor FemA
methicillin resistance factor
hypothetical protein
hypothetical protein
oligopeptide ABC transporter ATP-binding protein
peptide ABC transporter ATP-binding protein
oligopeptide transporter permease
oligopeptide transporter permease
hypothetical protein
hypothetical protein

Sheet1

hypothetical protein
PhoU family transcriptional regulator
phosphate transporter ATP-binding protein
phosphate ABC transporter permease
hypothetical protein
hypothetical protein
phosphate ABC transporter substrate-binding protein
hypothetical protein
ABC transporter ATP-binding protein
aspartate kinase
aspartate semialdehyde dehydrogenase
dihydrodipicolinate synthase
dihydrodipicolinate reductase
2,3,4,5-tetrahydropyridine-2-carboxylate N-succinyltransferase
hypothetical protein
alanine racemase
diaminopimelate decarboxylase
hypothetical protein
cold shock protein
hypothetical protein
acylphosphatase
hypothetical protein
hypothetical protein
NA
branched-chain amino acid transport system II carrier protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
dihydrolipoamide succinyltransferase
2-oxoglutarate dehydrogenase E1 component
hypothetical protein
DNA-binding response regulator
hypothetical protein
hypothetical protein
hypothetical protein
undecaprenyldiphospho-muramoylpentapeptide beta-N- acetylglucosaminyltransferase
hypothetical protein
hypothetical protein
hypothetical protein
PTS system transporter subunit IIA
methionine sulfoxide reductase B
methionine sulfoxide reductase A
hypothetical protein
dihydrofolate reductase
thymidylate synthase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein

Sheet1

hypothetical protein
threonine dehydratase
alanine dehydrogenase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
Holliday junction-specific endonuclease
penicillin-binding protein 2
hypothetical protein
endonuclease III
hypothetical protein
asparaginyl-tRNA synthetase
DnaQ family exonuclease%2FDinG family helicase
bifunctional biotin operon repressor%2Fbiotin--%5Bacetyl-CoA-carboxylase%5D synthetase BirA
tRNA CCA-pyrophosphorylase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
3-phosphoshikimate 1-carboxyvinyltransferase
3-dehydroquinate synthase
chorismate synthase
hypothetical protein
nucleoside diphosphate kinase
heptaprenyl diphosphate syntase component II
ubiquinone%2Fmenaquinone biosynthesis methyltransferase
hypothetical protein
hypothetical protein
DNA-binding protein HU
NAD%28P%29H-dependent glycerol-3-phosphate dehydrogenase
GTP-binding protein EngA
30S ribosomal protein S1
hypothetical protein
hypothetical protein
cytidylate kinase
L-asparaginase
hypothetical protein
hypothetical protein
elastin binding protein
ATP-dependent DNA helicase RecQ
hypothetical protein
ferredoxin
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein

Sheet1

hypothetical protein
hypothetical protein
petidoglycan hydrolase
holin protein
hypothetical protein
hypothetical protein
SLT orf 129-like protein
SLT orf 488-like protein
SLT orf 636-like protein
hypothetical protein
SLT orf 527-like protein
holin-like protein
phage tail tape measure protein
hypothetical protein
hypothetical protein
bacteriophage L54alg-like domain-containing protein
major tail protein
hypothetical protein
SLT orf 123-like protein
SLT orf 110-like protein
hypothetical protein
hypothetical protein
scaffolding protease
HK97 family phage portal protein
phage terminase large subunit
terminase small subunit
bacteriophage L54a HNH endonuclease family protein
hypothetical protein
SNF2 family protein
phi-like protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
bacteriophage L54a deoxyuridine 5-triphosphate nucleotidohydrolase
PVL orf 52-like protein
PVL orf 52-like protein
hypothetical protein
PVL orf 51-like protein
hypothetical protein
hypothetical protein
PVL orf 50-like protein
hypothetical protein
phage encoded DNA polymerase I
hypothetical protein
phi APSE P51-like protein
hypothetical protein
hypothetical protein
hypothetical protein
PVL orf 37-like protein
SLT orf 71-like protein
hypothetical protein
hypothetical protein

Sheet1

helix-turn-helix domain-containing protein
helix-turn-helix domain-containing protein
exonuclease family protein
hypothetical protein
hypothetical protein
hypothetical protein
phi PVL ORF 30-like protein
bacteriophage integrase
hypothetical protein
hypothetical protein
respiratory response protein SrrB
DNA-binding response regulator
ribosomal large subunit pseudouridine synthase B
hypothetical protein
hypothetical protein
hypothetical protein
integrase%2Frecombinase XerD
transcriptional regulator Fur
NUDIX domain-containing protein
hypothetical protein
hypothetical protein
hypothetical protein
pyrroline-5-carboxylate reductase
AtsA%2FElaC family protein
glucose-6-phosphate 1-dehydrogenase
hypothetical protein
alpha-D-1%2C4-glucosidase
maltose operon transcriptional repressor
hypothetical protein
hypothetical protein
6-phosphogluconate dehydrogenase
peptidase T
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
2-oxoisovalerate dehydrogenase%2C E2 component%2C dihydrolipoamide acetyltransferase
2-oxoisovalerate dehydrogenase%2C E1 component subunit beta
2-oxoisovalerate dehydrogenase%2C E1 component subunit alpha
dihydrolipoamide dehydrogenase
DNA repair protein RecN
arginine repressor
geranyltranstransferase
exodeoxyribonuclease VII small subunit
exodeoxyribonuclease VII large subunit
transcription antitermination protein NusB
hypothetical protein
acetyl-CoA carboxylase biotin carboxylase subunit
acetyl-CoA carboxylase biotin carboxyl carrier protein
elongation factor P
proline dipeptidase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein

Sheet1

glycine dehydrogenase subunit 2
glycine dehydrogenase subunit 1
glycine cleavage system aminomethyltransferase T
shikimate kinase
hypothetical protein
competence protein ComGF
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
glucokinase
hypothetical protein
NA
hypothetical protein
50S ribosomal protein L33
penicillin-binding protein 3
superoxide dismutase
hypothetical protein
hypothetical protein
ABC transporter
endonuclease IV
hypothetical protein
hypothetical protein
hypothetical protein
RNA polymerase sigma factor RpoD
DNA primase
hypothetical protein
CBS domain-containing protein
glycyl-tRNA synthetase
hypothetical protein
GTP-binding protein Era
cytidine deaminase
diacylglycerol kinase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
30S ribosomal protein S21
hypothetical protein
16S ribosomal RNA methyltransferase RsmE
ribosomal protein L11 methyltransferase
chaperone protein DnaJ
molecular chaperone DnaK
heat shock protein GrpE
heat-inducible transcription repressor HrcA
coproporphyrinogen III oxidase
hypothetical protein
GTP-binding protein LepA
30S ribosomal protein S20
DNA polymerase III subunit delta
DNA internalization-related competence protein ComEC%2FRec2

Sheet1

hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
nicotinate %28nicotinamide%29 nucleotide adenylyltransferase
hypothetical protein
shikimate 5-dehydrogenase
GTP-binding protein YqeH
hypothetical protein
MTA%2FSAH nucleosidase
hypothetical protein
enterotoxin family protein
hypothetical protein
hypothetical protein
LamB%2FYcsF family protein
acetyl-CoA carboxylase biotin carboxylase
acetyl-CoA carboxylase biotin carboxyl carrier protein
hypothetical protein
hypothetical protein
transcription elongation factor GreA
uridine kinase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
Holliday junction resolvase-like protein
hypothetical protein
alanyl-tRNA synthetase
hypothetical protein
hypothetical protein
NA
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
NA
recombination factor protein RarA
hypothetical protein
hypothetical protein
aspartyl-tRNA synthetase
histidyl-tRNA synthetase
hypothetical protein
D-tyrosyl-tRNA%28Tyr%29 deacylase
GTP pyrophosphokinase
adenine phosphoribosyltransferase
hypothetical protein
bifunctional preprotein translocase subunit SecD%2FSecF
preprotein translocase subunit YajC
queuine tRNA-ribosyltransferase
S-adenosylmethionine:tRNA ribosyltransferase-isomerase
Holliday junction DNA helicase RuvB
Holliday junction DNA helicase RuvA
hypothetical protein
GTPase ObgE

Sheet1

50S ribosomal protein L27
hypothetical protein
50S ribosomal protein L21
hypothetical protein
rod shape-determining protein MreC
hypothetical protein
hypothetical protein
membrane protein
hypothetical protein
DNA repair protein RadC
hypothetical protein
hypothetical protein
folylpolyglutamate synthase%2Fdihydrofolate synthase
valyl-tRNA synthetase
hypothetical protein
hypothetical protein
hypothetical protein
glutamate-1-semialdehyde aminotransferase
delta-aminolevulinic acid dehydratase
uroporphyrinogen III synthase
porphobilinogen deaminase
hypothetical protein
glutamyl-tRNA reductase
ribosome biogenesis GTP-binding protein YsxC
ATP-dependent protease ATP-binding subunit ClpX
trigger factor
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
50S ribosomal protein L20
50S ribosomal protein L35
translation initiation factor IF-3
hypothetical protein
threonyl-tRNA synthetase
hypothetical protein
primosomal protein DnaI
hypothetical protein
transcriptional regulator NrdR
glyceraldehyde 3-phosphate dehydrogenase 2
dephospho-CoA kinase
formamidopyrimidine-DNA glycosylase
DNA polymerase I
hypothetical protein
histidine kinase
alkaline phosphatase synthesis transcriptional regulatory protein
isocitrate dehydrogenase
hypothetical protein
hypothetical protein
NA
pyruvate kinase
6-phosphofructokinase
acetyl-CoA carboxylase carboxyltransferase subunit alpha
acetyl-CoA carboxylase subunit beta
NADP-dependent malic enzyme

Sheet1

DNA polymerase III subunit alpha superfamily protein
hypothetical protein
hypothetical protein
hypothetical protein
metal-dependent hydrolase
hypothetical protein
hypothetical protein
alanine dehydrogenase
hypothetical protein
acetate kinase
hypothetical protein
thiol peroxidase
hypothetical protein
thiamine biosynthesis protein ThiI
hypothetical protein
hypothetical protein
septation ring formation regulator EzrA
GAF domain-containing protein
30S ribosomal protein S4
hypothetical protein
hypothetical protein
hypothetical protein
D-3-phosphoglycerate dehydrogenase
hypothetical protein
hypothetical protein
hypothetical protein
1-acyl-sn-glycerol-3-phosphate acyltransferase domain-containing protein
hypothetical protein
tyrosyl-tRNA synthetase
transglycosylase domain-containing protein
hypothetical protein
hypothetical protein
hypothetical protein
formate--tetrahydrofolate ligase
acetyl-CoA synthetase
hypothetical protein
hypothetical protein
catabolite control protein A
hypothetical protein
bifunctional 3-deoxy-7-phosphoheptulonate synthase%2Fchorismate mutase
hypothetical protein
hypothetical protein
hypothetical protein
UDP-N-acetylmuramate--L-alanine ligase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
tRNA %28guanine-N%287%29-%29-methyltransferase
hypothetical protein
D-alanine aminotransferase
dipeptidase PepV

Sheet1

hypothetical protein
ribosomal small subunit pseudouridine synthase A
polysaccharide biosynthesis protein
hypothetical protein
hypothetical protein
hypothetical protein
leucyl-tRNA synthetase
hypothetical protein
hypothetical protein
hypothetical protein
virulence factor regulator protein
NA
hypothetical protein
hypothetical protein
hypothetical protein
6-methyl-8-ribityllumazine synthase
riboflavin biosynthesis protein
riboflavin synthase subunit alpha
riboflavin biosynthesis protein RibD
hypothetical protein
arsenate operon regulator
Ars family arsenical pump
arsenate reductase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
putative transaldolase
hypothetical protein
camphor resistance protein CrcB
hypothetical protein
NA
hypothetical protein
hypothetical protein
S-adenosylmethionine synthetase
phosphoenolpyruvate carboxykinase
IS200 family transposase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
o-succinylbenzoic acid--CoA ligase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
transposase family protein

Sheet1

hypothetical protein
hypothetical protein
hypothetical protein
type I restriction-modification system subunit S
type I restriction-modification system subunit M
hypothetical protein
serine protease SpIF
serine protease SpIE
hypothetical protein
serine protease SpID
serine protease SpIC
serine protease SpIB
serine protease SpIA
hypothetical protein
hypothetical protein
hypothetical protein
ABC transporter
intracellular serine protease
flavoprotein EpiD
epidermin biosynthesis protein EpiC
lantibiotic epidermin biosynthesis protein EpiB
gallidermin superfamily epiA protein
leukotoxin LukD
leukotoxin LukE
hypothetical protein
hypothetical protein
hypothetical protein
protoporphyrinogen oxidase
ferrochelatase
uroporphyrinogen decarboxylase
hypothetical protein
hypothetical protein
hypothetical protein
ABC transporter ATP-binding protein
hypothetical protein
hypothetical protein
hypothetical protein
protein export protein PrsA
3%27-5%27 exoribonuclease YhaM
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
DNA-binding response regulator
sensor histidine kinase
ribosomal large subunit pseudouridine synthase D
fumarate hydratase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein

Sheet1

amino acid ABC transporter ATP-binding protein
ABC transporter permease
PTS system transporter subunit IIC domain-containing protein
NA
ferric uptake regulator-like protein
hypothetical protein
hypothetical protein
glutamate-1-semialdehyde aminotransferase
hypothetical protein
hypothetical protein
ABC transporter ATP-binding permease
hypothetical protein
A²FG-specific adenine glycosylase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
recombination regulator RecX
glycosyltransferase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
autolysin
holin
phi ETA orf 63-like protein
phage tail fiber protein
bifunctional autolysin
phi SLT orf 99-like protein
phi ETA orf 58-like protein
SLT orf 129-like protein
phiETA ORF57-like protein
phi ETA orf 56-like protein
phi ETA orf 55-like protein
hypothetical protein
phage tape measure protein
hypothetical protein
hypothetical protein
phage structural protein
hypothetical protein
HK97 family phage protein
hypothetical protein
phi Mu50B-like protein
phi Mu50B-like protein
phage head protein
hypothetical protein
hypothetical protein
phage head morphogenesis protein
SPP1 family phage portal protein
PBSX family phage terminase large subunit
terminase small subunit
int gene activator RinA
transcriptional activator rinb-like protein

Sheet1

hypothetical protein
hypothetical protein
dUTP pyrophosphatase
hypothetical protein
phi PVL orf 52-like protein
phi PVL orf 51-like protein
phi PVL orf 50-like protein
helix-turn-helix DNA binding protein
PV83 orf 23-like protein
phi ETA orf 25-like protein
hypothetical protein
hypothetical protein
bacteriophage L54a DnaB-like helicase family protein
hypothetical protein
phi PV83 orf 20-like protein
phi PV83 orf 19-like protein
single-strand DNA-binding protein
hypothetical protein
hypothetical protein
phi PVL orf 39-like protein
NA
phi PVL orf 38-like protein
hypothetical protein
phi PV83 orf 10-like protein
hypothetical protein
bacteriophage L54a antirepressor
hypothetical protein
bacteriophage L54a Cro-like protein
phage repressor protein
hypothetical protein
PV83 orf 4-like protein
hypothetical protein
excisionase-like protein
phage family integrase
hypothetical protein
hypothetical protein
aminopeptidase PepS
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
DNA-binding response regulator VraR
histidine kinase
hypothetical protein
hypothetical protein
methionine aminopeptidase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
UDP-N-acetylmuramyl tripeptide synthetase
ferritin
hypothetical protein
hypothetical protein
DNA polymerase IV

Sheet1

hypothetical protein
RNA methyltransferase
lipid kinase
hypothetical protein
aspartyl%2Fglutamyl-tRNA amidotransferase subunit B
aspartyl%2Fglutamyl-tRNA amidotransferase subunit A
aspartyl%2Fglutamyl-tRNA amidotransferase subunit C
high affinity proline permease
hypothetical protein
NAD-dependent DNA ligase
ATP-dependent DNA helicase PcrA
geranylgeranylglyceryl phosphate synthase-like protein
hypothetical protein
adenylosuccinate lyase
staphopain thiol proteinase
hypothetical protein
hypothetical protein
hypothetical protein
NAD synthetase
nicotinate phosphoribosyltransferase
nitric oxide synthase oxygenase subunit
hypothetical protein
hypothetical protein
sodium-dependent transporter
hypothetical protein
pyrazinamidase%2Fnicotinamidase
manganese-dependent inorganic pyrophosphatase
hypothetical protein
aldehyde dehydrogenase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
ABC transporter ATP-binding protein
hypothetical protein
ABC transporter ATP-binding protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
MHC class II analog protein
hypothetical protein
hypothetical protein
hypothetical protein
chemotaxis-inhibiting protein CHIPS
peptidoglycan hydrolase
staphylokinase
amidase
phage phi LC3 family holin

Sheet1

hypothetical protein
hypothetical protein
hypothetical protein
phi PVL orf 22-like protein
hypothetical protein
phage minor structural protein
phi PVL orfs 18-19-like protein
tail length tape measure protein
hypothetical protein
phi PVL orf 14-like protein
phi PVL orf 13-like protein
phi PVL orf 12-like protein
HK97 family phage protein
phage head-tail adaptor
hypothetical protein
hypothetical protein
HK97 family phage major capsid protein
prohead protease
HK97 family phage portal protein
phi PVL orf 3-like protein
phage terminase large subunit
phage terminase small subunit
hypothetical protein
phi PVL orf 62-like protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
phi PVL%2Forf 52-like protein
PV83 orf 27-like protein
hypothetical protein
phi PVL orf 51-like protein
phi PVL orf 50-like protein
hypothetical protein
phi ETA orf 25-like protein
phage DnaC-like protein
phi ETA orf 22-like protein
hypothetical protein
phi ETA orf 20-like protein
phi ETA orf 18-like protein
hypothetical protein
hypothetical protein
phi PVL orf 39-like protein
phi PVL orf 38-like protein
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hypothetical protein
hypothetical protein
hypothetical protein
NA
phi PVL orf 33-like protein
phi PVL orf 32-like protein
repressor-like protein
repressor

Sheet1

hypothetical protein
hypothetical protein
phi PVL ORF 30-like protein
integrase
hypothetical protein
hypothetical protein
succinyl-diaminopimelate desuccinylase
hypothetical protein
hypothetical protein
cation transport protein
hypothetical protein
hypothetical protein
phage terminase small subunit
hypothetical protein
chaperonin GroEL
co-chaperonin GroES
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
delta-hemolysin
accessory gene regulator protein B
hypothetical protein
accessory gene regulator protein C
accessory gene regulator protein A
hypothetical protein
fructokinase
sucrose-6-phosphate hydrolase
sucrose operon repressor
ammonium transporter
hypothetical protein
hypothetical protein
redox-sensing transcriptional repressor Rex
ABC transporter ATP-binding protein
hypothetical protein
MutS domain-containing protein
DNA-binding%2Firon metalloprotein%2FAP endonuclease
ribosomal-protein-alanine acetyltransferase
hypothetical protein
hypothetical protein
dihydroxy-acid dehydratase
acetolactate synthase large subunit
acetolactate synthase 1 regulatory subunit
ketol-acid reductoisomerase
2-isopropylmalate synthase
3-isopropylmalate dehydrogenase
isopropylmalate isomerase large subunit
isopropylmalate isomerase small subunit
threonine dehydratase
hypothetical protein
hypothetical protein
S1 RNA-binding domain-containing protein
RNA polymerase sigma factor SigB
serine-protein kinase RsbW
STAS domain-containing protein

Sheet1

NA

hypothetical protein

hypothetical protein

alanine racemase

4-phosphopantetheinyl transferase

hypothetical protein

hypothetical protein

hypothetical protein

potassium-transporting ATPase subunit C

potassium-transporting ATPase subunit B

potassium-transporting ATPase subunit A

hypothetical protein

sensor protein KdpD

DNA-binding response regulator

DEAD-box ATP dependent DNA helicase

UDP-N-acetylmuramoylalanyl-D-glutamyl-L-alanyl-L-alanyl ligase

D-alanyl-alanine synthetase A

hypothetical protein

hypothetical protein

hypothetical protein

hypothetical protein

cardiolipin synthetase

hypothetical protein

hypothetical protein

hypothetical protein

hypothetical protein

thiamine-phosphate pyrophosphorylase

hydroxyethylthiazole kinase

phosphomethylpyrimidine kinase

hypothetical protein

hypothetical protein

transglycosylase SceD

bacteriophage L54a single-stranded DNA binding protein

hypothetical protein

2-hydroxymyristoyl-ACP dehydratase

UDP-N-acetylglucosamine 1-carboxyvinyltransferase

hypothetical protein

hypothetical protein

F0F1 ATP synthase subunit epsilon

F0F1 ATP synthase subunit beta

F0F1 ATP synthase subunit gamma

F0F1 ATP synthase subunit alpha

F0F1 ATP synthase subunit delta

F0F1 ATP synthase subunit B

F0F1 ATP synthase subunit C

F0F1 ATP synthase subunit A

hypothetical protein

UDP-GlcNAc 2-epimerase

uracil phosphoribosyltransferase

serine hydroxymethyltransferase

hypothetical protein

hypothetical protein

hypothetical protein

HemK family modification methylase

peptide chain release factor 1

Sheet1

thymidine kinase
50S ribosomal protein L31 type B
transcription termination factor Rho
aldehyde dehydrogenase
hypothetical protein
UDP-N-acetylglucosamine 1-carboxyvinyltransferase
fructose-bisphosphate aldolase
hypothetical protein
CTP synthetase
DNA-directed RNA polymerase subunit delta
hypothetical protein
pantothenate kinase
hypothetical protein
hypothetical protein
aminobenzoyl-glutamate utilization protein B
S-ribosylhomocysteinase
hypothetical protein
pyrimidine-nucleoside phosphorylase
hypothetical protein
deoxyribose-phosphate aldolase
purine nucleoside phosphorylase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
mannose-6-phosphate isomerase
hypothetical protein
hypothetical protein
hypothetical protein
cation efflux family protein
lytic regulatory protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
ABC transporter ATP-binding protein
glucosamine--fructose-6-phosphate aminotransferase
PTS system mannitol-specific protein
hypothetical protein
PTS system mannitol-specific transporter subunit IIA
mannitol-1-phosphate 5-dehydrogenase
hypothetical protein
phosphoglucosamine mutase
hypothetical protein
hypothetical protein
arginase
NA
hypothetical protein
hypothetical protein
NA
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
UDP-N-acetylglucosamine pyrophosphorylase

Sheet1

hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
ABC transporter substrate-binding protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
NA
alkaline shock protein 23
hypothetical protein
hypothetical protein
BCCT family osmoprotectant transporter
hypothetical protein
hypothetical protein
hypothetical protein
6-phospho-beta-galactosidase
PTS system lactose-specific transporter subunit IIBC
PTS system lactose-specific transporter subunit IIA
tagatose 1%2C6-diphosphate aldolase
tagatose-6-phosphate kinase
galactose-6-phosphate isomerase subunit LacB
galactose-6-phosphate isomerase subunit LacA
lactose phosphotransferase system repressor
NAD-dependent deacetylase
hypothetical protein
hypothetical protein
hypothetical protein
MerR family transcriptional regulator
hypothetical protein
hyaluronate lyase
hypothetical protein
hypothetical protein
alpha-acetolactate decarboxylase
acetolactate synthase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
30S ribosomal protein S9
50S ribosomal protein L13
tRNA pseudouridine synthase A
cobalt transport protein
cobalt transporter ATP-binding subunit
cobalt transporter ATP-binding subunit
50S ribosomal protein L17
DNA-directed RNA polymerase subunit alpha
30S ribosomal protein S11

Sheet1

30S ribosomal protein S13
50S ribosomal protein L36
translation initiation factor IF-1
adenylate kinase
preprotein translocase subunit SecY
50S ribosomal protein L15
50S ribosomal protein L30
30S ribosomal protein S5
50S ribosomal protein L18
50S ribosomal protein L6
30S ribosomal protein S8
30S ribosomal protein S14
50S ribosomal protein L5
50S ribosomal protein L24
50S ribosomal protein L14
30S ribosomal protein S17
50S ribosomal protein L29
50S ribosomal protein L16
30S ribosomal protein S3
50S ribosomal protein L22
30S ribosomal protein S19
50S ribosomal protein L2
50S ribosomal protein L23
50S ribosomal protein L4
50S ribosomal protein L3
30S ribosomal protein S10
hypothetical protein
hypothetical protein
DNA topoisomerase III
hypothetical protein
hypothetical protein
sugar transporter
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
peptidoglycan pentaglycine interpeptide biosynthesis protein FmhB
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
molybdenum cofactor biosynthesis protein A
molybdopterin-guanine dinucleotide biosynthesis protein MobA
molybdopterin converting factor subunit 1
molybdopterin converting factor moa
molybdopterin-guanine dinucleotide biosynthesis protein MobB
molybdopterin biosynthesis protein MoeA
molybdenum cofactor biosynthesis protein MoeC
molybdopterin precursor biosynthesis MoeB
hypothetical protein

Sheet1

molybdenum transport ATP-binding protein ModC
molybdenum ABC transporter permease
molybdenum ABC transporter substrate-binding protein
formate dehydrogenase accessory protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
NA
urea transporter
urease subunit gamma
urease subunit beta
urease subunit alpha
urease accessory protein UreE
urease accessory protein UreF
urease accessory protein UreG
urease accessory protein UreD
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
secretory antigen
hypothetical protein
Na⁺/2F⁻ antiporter NhaC
hypothetical protein
hypothetical protein
secretory antigen SsaA
D-isomer specific 2-hydroxyacid dehydrogenase NAD binding domain-containing protein
hypothetical protein
N-acetylmuramoyl-L-alanine amidase
hypothetical protein
formate dehydrogenase subunit alpha
transcriptional regulator
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
PTS system transporter
hex regulon repressor
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
imidazolonepropionase
urocanate hydratase
hypothetical protein
fosfomycin resistance protein FosB

Sheet1

formimidoylglutamase
hypothetical protein
ribose-5-phosphate isomerase A
hypothetical protein
aldose 1-epimerase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
DNA-3-methyladenine glycosylase
sodium%2Fglutamate symporter
isopentenyl pyrophosphate isomerase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
EmrB%2FQacA family drug resistance transporter
hypothetical protein
hypothetical protein
NA
hypothetical protein
hypothetical protein
NA
hypothetical protein
hypothetical protein
permease domain-containing protein
DNA-binding response regulator
sensor histidine kinase
hypothetical protein
hypothetical protein
malate:quinone oxidoreductase
L-lactate permease
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
PTS system sucrose-specific transporter subunit IIBC
PTS system sucrose-specific transporter subunit IIBC
hypothetical protein
transcriptional regulator
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein

Sheet1

hypothetical protein
hypothetical protein
NA
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
respiratory nitrate reductase subunit gamma
respiratory nitrate reductase subunit delta
nitrate reductase subunit beta
nitrate reductase subunit alpha
uroporphyrin-III C-methyltransferase
assimilatory nitrite reductase %5BNAD%28P%29H%5D small subunit
assimilatory nitrite reductase %5BNAD%28P%29H%5D large subunit
hypothetical protein
hypothetical protein
formate%2Fnitrite transporter
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
methicillin resistance determinant protein FmhA
amino acid ABC transporter ATP-binding protein
amino acid ABC transporter permease
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
phosphoglyceromutase
hypothetical protein
hypothetical protein
immunoglobulin G-binding protein Sbi
gamma-hemolysin h-gamma-II subunit
leukocidin s subunit
leukocidin f subunit
hypothetical protein
6-carboxyhexanoate--CoA ligase
hypothetical protein
biotin synthase
adenosylmethionine-8-amino-7-oxononanoate aminotransferase
dethiobiotin synthase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
glycerate kinase
hypothetical protein
hypothetical protein
hypothetical protein

Sheet1

hypothetical protein
hypothetical protein
pyrophosphohydrolase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
accessory regulator T
hypothetical protein
UTP-glucose-1-phosphate uridylyltransferase
fibronectin binding protein B
fibronectin-binding protein
hypothetical protein
hypothetical protein
gluconate permease
gluconate kinase
gluconate operon transcriptional repressor
hypothetical protein
hypothetical protein
hypothetical protein
NA
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
membrane spanning protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
NAD%28P%29H-flavin oxidoreductase
D-lactate dehydrogenase
hypothetical protein
hypothetical protein
hypothetical protein
sortase
hypothetical protein
hypothetical protein
hypothetical protein
L-serine dehydratase%2C iron-sulfur-dependent subunit alpha
L-serine dehydratase iron-sulfur-dependent subunit beta
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
PTS system glucose-specific transporter subunit IIABC

Sheet1

dihydroorotate dehydrogenase 2
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
aspartate alpha-decarboxylase
pantoate--beta-alanine ligase
3-methyl-2-oxobutanoate hydroxymethyltransferase
2-dehydropantoate 2-reductase
alpha-acetolactate decarboxylase
L-lactate dehydrogenase
hypothetical protein
4-aminobutyrate aminotransferase
hypothetical protein
fructose-1%2C6-bisphosphate aldolase
malate:quinone oxidoreductase
hypothetical protein
acetyl-CoA synthetase
hypothetical protein
hypothetical protein
choline dehydrogenase
betaine aldehyde dehydrogenase
hypothetical protein
hypothetical protein
hypothetical protein
choline transporter
hypothetical protein
hypothetical protein
hypothetical protein
anaerobic ribonucleoside triphosphate reductase
citrate transporter
hypothetical protein
precorrin-2 dehydrogenase
sulfite reductase %28NADPH%29 flavoprotein subunit alpha
hypothetical protein
hypothetical protein
hypothetical protein
permease domain-containing protein
ABC transporter ATP-binding protein
nisin susceptibility-associated sensor histidine kinase
nisin susceptibility-associated DNA-binding response regulator
hypothetical protein
alkaline phosphatase III
hypothetical protein
hypothetical protein
tributylin esterase
clumping factor B
hypothetical protein
carbamate kinase
arginine%2Fornithine antiporter
ornithine carbamoyltransferase
arginine deiminase
hypothetical protein

Sheet1

zinc metalloproteinase aureolysin
immunodominant antigen B
hypothetical protein
hypothetical protein
PTS system fructose-specific transporter subunit IIBC
mannose-6-phosphate isomerase
phage infection protein
N-acetylmuramoyl-L-alanine amidase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
preprotein translocase subunit SecA
hypothetical protein
hypothetical protein
hypothetical protein
preprotein translocase subunit SecY
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
methionine sulfoxide reductase A
hypothetical protein
capsular polysaccharide biosynthesis protein Cap5C
capsular polysaccharide biosynthesis protein Cap5B
capsular polysaccharide biosynthesis protein CapA
ica operon transcriptional regulator IcaR
N-glycosyltransferase
hypothetical protein
intercellular adhesion protein B
intercellular adhesion protein C
lipase
multifunctional imidazole glycerol phosphate synthase subunit%2Fphosphoribosyl-AMP cyclohydrolase%2Fphosphoribosyl-5-phosphoribosyl-5-phosphoribosylamino%29methylideneamino%5D imidazole-4-carboxamide
imidazole glycerol phosphate synthase subunit HisH
imidazoleglycerol-phosphate dehydratase
histidinol-phosphate aminotransferase
histidinol dehydrogenase
ATP phosphoribosyltransferase catalytic subunit
ATP phosphoribosyltransferase regulatory subunit
hypothetical protein
hypothetical protein
hypothetical protein
ABC transporter ATP-binding protein
hypothetical protein
hypothetical protein
hypothetical protein
lactonase Drp35
hypothetical protein
pyrrolidone-carboxylate peptidase
hypothetical protein
hypothetical protein
hypothetical protein

NA
NA
NA

Sheet1

logCPM	logFC.P_12h/P_01h	logFC.P_24h/P_01h	logFC.P_24h/P_12h
9.388215019	-0.167200062	-0.021192481	0.146007581
9.699593871	0.149329422	0.079036703	-0.07029272
5.662253814	-0.56908272	-1.103678528	-0.534595808
7.930482483	0.418675594	-0.417397341	-0.836072935
9.526592857	0.790777734	0.297854682	-0.492923052
9.77269906	1.130350863	0.956020123	-0.174330741
8.280463201	-0.96002676	-1.239692726	-0.279665965
5.490611351	0.885363675	-0.077378692	-0.962742367
8.849157294	-0.48513977	-0.948592849	-0.463453079
4.802059782	-2.131739265	-3.46063222	-1.328892955
3.921707951	-2.079906748	-3.204339165	-1.124432416
6.114015695	-0.549814552	-1.492214347	-0.942399795
6.787684084	-0.468348546	-0.929713588	-0.461365043
10.13252441	-0.035384686	-0.069401881	-0.034017195
8.056743765	-0.047341721	0.255309984	0.302651705
9.388863243	-0.333033626	-0.164105293	0.168928333
9.504810083	0.601837429	0.271716419	-0.33012101
8.855249011	0.616908598	0.157832372	-0.459076227
8.772536643	0.446300886	0.651214563	0.204913678
8.213032678	0.684826514	1.102937098	0.418110585
8.40356391	0.724396046	1.20973289	0.485336844
6.569917573	0.621918763	0.547327768	-0.074590995
7.544535618	-0.72683487	0.184709712	0.911544582
3.340728019	1.169260941	-0.297065266	-1.466326208
6.490815733	-0.73985454	-0.412024912	0.327829628
1.107053444	0.214880692	-1.189249553	-1.404130245
3.696207709	-0.000542086	-0.627449006	-0.62690692
7.170902026	-0.453451356	-0.067970386	0.38548097
9.763265051	-0.612409744	-4.085578088	-3.473168343
7.233752171	-0.732101487	-4.350715908	-3.61861442
9.47648283	-0.421842105	-4.388539148	-3.966697043
7.877626331	-0.746615315	-4.339182347	-3.592567032
9.223228458	1.396963677	-3.122434208	-4.519397885
10.9371321	1.594441876	-3.27760164	-4.872043516
9.139309178	0.990796859	-3.551016562	-4.541813421
4.669002731	0.042299614	1.766698613	1.724398999
9.385154898	-0.464003347	1.494654388	1.958657736
3.652747184	0.551247313	0.137276122	-0.413971191
5.307073571	0.762435911	0.027394901	-0.735041009
4.809977612	-0.482915362	-1.12275466	-0.639839298
3.729741196	-0.120945506	-0.930201084	-0.809255578
5.723795415	0.977265078	-1.367047936	-2.344313014
3.25760577	-0.594958813	-0.515730079	0.079228734
5.078061835	0.035430488	-0.801112566	-0.836543054
6.007257442	-0.260217197	-1.337700279	-1.077483083
7.224431306	-0.270268264	-0.212950768	0.057317497
5.423269557	-0.657040347	-0.689581955	-0.032541609
4.461046294	0.073460306	0.417768038	0.344307732
4.92076949	-0.240866976	0.082071523	0.322938499
5.01523452	-0.189986875	0.082818437	0.272805312
5.973386521	0.060428866	0.268820262	0.208391396
5.685944807	0.177829287	0.232189917	0.05436063
7.61433543	-0.355825124	-0.396529321	-0.040704197
4.626144165	0.474419255	-0.395162229	-0.869581484

Sheet1

4.92703586	0.487614708	-0.701164641	-1.188779349
9.063019073	-0.614238296	1.61843226	2.232670556
5.948326087	1.679692479	-0.386636735	-2.066329215
3.75350726	1.454406057	1.208222154	-0.246183902
4.640543818	0.1901436	0.262312452	0.072168851
3.527471652	-0.394483924	0.661911611	1.056395536
7.064746341	-1.300486209	-0.231825172	1.068661036
12.76580299	-2.931446441	-5.552842891	-2.62139645
6.117018753	-2.148894144	-3.621500987	-1.472606844
4.62664499	1.170708724	0.155263704	-1.01544502
3.534305082	1.031131165	0.989352222	-0.041778942
4.350264638	1.049054415	1.957290471	0.908236056
3.825733173	1.794618398	1.086384397	-0.708234002
4.035855361	1.518375737	0.791970368	-0.726405369
4.32912922	1.097720778	0.551388147	-0.546332631
3.428647535	1.327155819	0.326988157	-1.000167662
4.904689205	1.055701284	0.54399329	-0.511707994
4.888472714	1.153213843	0.723844947	-0.429368896
4.737701652	1.005305929	0.35825029	-0.647055639
5.21652357	0.845831177	0.122581509	-0.723249668
4.419208017	0.323725675	-0.247815538	-0.571541214
5.545502828	0.237582357	1.480262453	1.242680096
4.336716322	0.442250825	2.349590735	1.90733991
7.015166732	-0.346408579	-2.175131296	-1.828722717
1.854636933	2.129155187	1.640883721	-0.488271466
4.646505179	1.553209912	1.052598941	-0.500610971
3.237431838	1.409821433	1.151110779	-0.258710654
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4.642184767	1.188852624	0.796280125	-0.392572498
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9.262505411	-0.594100115	0.242165016	0.836265131
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Sheet1

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6.167069671	-0.851246468	0.724107901	1.575354369
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9.215241525	-1.495475477	0.305674683	1.80115016
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11.40163306	-1.239466514	0.157160493	1.396627008
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-1.623227197	0.452500853	0.031024539	-0.421476314
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1.89855888	-0.038606061	0.126657212	0.165263273
2.214806674	1.885202925	-1.166452889	-3.051655815
0.345670933	0.236777344	-1.015902269	-1.252679612
-1.677125724	-0.98896024	-0.001321759	0.98763848
0.537621215	-0.104539454	-1.368641979	-1.264102525
-0.419560396	0.361049617	1.395924845	1.034875227
4.060243381	-0.9087955	0.823404801	1.732200301
2.113079992	0.24130697	0.383768188	0.142461218
2.40053388	0.26759275	-0.443742907	-0.711335657
3.460011604	0.038545575	0.344054173	0.305508599
0.20891901	0.055583	0.825249282	0.769666282
-0.158365209	0.740374776	-3.117797594	-3.85817237
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-0.096087037	-0.630278002	0.57898182	1.209259821
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-1.036331466	-1.065139494	0.118979844	1.184119338
2.792385203	0.042056868	0.722065486	0.680008619
-1.329686495	-0.675832326	0.166487628	0.842319953
1.581025164	0.13084117	-0.45543772	-0.58627889
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1.472423282	-0.712446549	0.697413607	1.409860156
0.405615685	0.134961743	0.886682899	0.751721156
1.922216419	0.400617738	0.421672742	0.021055004
1.531766844	0.380079183	0.619281173	0.23920199
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-1.483280596	-0.171580585	0.401473931	0.573054515
-1.072867456	-0.69554172	0.91718902	1.61273074
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-0.886635095	-0.136006987	0.153397647	0.289404634
-0.729014287	0.017035195	0.657205074	0.640169879
2.52154564	-0.078254113	0.570764899	0.649019012
1.423671576	1.636587149	-0.057374438	-1.693961587
0.630501207	-2.233267859	-1.979775053	0.253492805
2.152913983	-0.855795544	-0.048861147	0.806934397

Sheet1

1.781896529	0.311322699	0.495294304	0.183971604
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-2.213941989	1.06081676	0.758861056	-0.301955704

Sheet1

PV.P_12h/P_01h	PV.P_24h/P_01h	PV.P_24h/P_12h	FDR.P_12h/P_01h
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0.664537728	0.818429558	0.83822025	0.798114552
0.26143789	0.030852733	0.291518529	0.439196105
0.270510129	0.272025789	0.028603152	0.448280747
0.042084855	0.441491875	0.203431425	0.128134953
0.003195691	0.012340815	0.645313938	0.02263878
0.005023076	0.000316018	0.409990935	0.031184478
0.157287969	0.900913148	0.124606076	0.311743884
0.22306584	0.017935639	0.24439035	0.39335455
5.785626389167e-07	1.67539588996904e-14	0.001476868	2.90499346066596e-05
2.25647072700347e-06	3.52041492762822e-12	0.009050623	9.09580171927315e-05
0.183923217	0.000399577	0.023613608	0.348168744
0.166196637	0.00631348	0.172746624	0.324679028
0.924209134	0.851985477	0.927129676	0.96829375
0.8914067	0.461791978	0.383173688	0.949435982
0.29880581	0.608350636	0.597877789	0.474785195
0.295156366	0.635503023	0.564831153	0.474055651
0.086790517	0.66015978	0.201748281	0.212558629
0.150653888	0.03638286	0.508618489	0.303001705
0.031428358	0.000579812	0.187570234	0.10532548
0.025729573	0.000222706	0.133892315	0.092617873
0.08486677	0.129005504	0.835602027	0.209386807
0.036184666	0.5925236	0.008800239	0.115995117
0.00544012	0.476873887	0.000544966	0.032916749
0.065598312	0.303205322	0.412729889	0.175732935
0.704014077	0.039550367	0.01546669	0.829932521
0.998918998	0.119287395	0.120111268	1
0.150404376	0.828916782	0.221256466	0.302947384
0.135328248	1.1400164040599e-18	1.21119259514827e-14	0.28045579
0.057621689	5.44250203189977e-23	1.93873726676214e-17	0.159799685
0.278273744	8.96579212285691e-23	1.32826245845025e-19	0.457186828
0.063037588	2.96732754658977e-21	4.89432817249534e-16	0.170523229
0.00313837	5.61753552284999e-10	4.02105839422935e-17	0.02245504
0.000865018	1.33953893761721e-10	8.1170689687339e-19	0.008841721
0.010784977	7.35109699760762e-17	2.36141688095421e-24	0.051255565
0.931100929	0.000429366	0.000582444	0.97043367
0.18075593	2.32644224484057e-05	4.606869161856e-08	0.343988143
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0.840212315	0.251387846	0.344542351	0.919223106
0.497377375	0.816793978	0.363067592	0.660554083
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0.076541115	0.075668636	0.000455618	0.195067382
0.000825523	0.135631869	0.041129888	0.008622798
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0.000208067	0.00022935	0.974090501	0.0029924
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0.004675167	7.952568493618e-05	0.24358995	0.02953715
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0.185679049	1.03065761153647e-20	4.78037274204389e-17	0.350305496
0.072944749	2.28218866328149e-15	4.65577183567611e-11	0.189616596
0.161115029	5.36366977315888e-09	2.32288444342529e-06	0.317569707
0.721527515	0.000895265	0.002791475	0.840460622
0.008807243	0.108276419	3.82943396965514e-05	0.045019136
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0.002437389	0.239194248	4.73530626546438e-05	0.018357385
0.061585483	0.113076918	0.000787745	0.168345419
0.013959462	0.099910195	8.02777518712381e-05	0.061845171
0.11198194	0.105559831	0.001534069	0.247675667
4.06242686326143e-06	0.839162112	9.03954350158652e-06	0.00013364
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0.085557673	0.11655898	0.001173879	0.210565309
0.290691556	0.000383955	0.011332336	0.47040805
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0.046168968	0.102258875	0.71179713	0.135420351
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0.121216727	0.152304813	0.902556153	0.260507988
0.008817981	0.163099668	0.211318741	0.045019136
0.014054697	0.477937671	0.077607925	0.062074914
0.139119876	0.607492177	0.047292536	0.286446823
0.306333067	0.093562124	0.007265831	0.481981989
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0.686429403	0.261363018	0.471112521	0.81618652
0.742600365	0.094469889	0.045816434	0.855949353
0.131285103	0.712459474	0.253262733	0.274863178
0.135277841	0.540350797	0.035716653	0.28045579
0.615026051	0.312154189	0.130816087	0.758381973
0.453975902	0.973850891	0.434494337	0.623753736
0.252611232	0.019193992	0.222718111	0.429064301
0.007013462	0.001644905	0.641409885	0.039512853
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0.294228507	0.127104343	0.628786937	0.474055651
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0.056443607	0.002794877	0.269417241	0.157601565
0.601808324	0.007487169	0.030547447	0.748458522
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0.371858148	0.283990132	0.050452322	0.546333685
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0.000834503	0.045941253	0.16898272	0.008653436
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0.043338578	0.021442569	0.777040055	0.130288876
0.002539221	1.01415602030565e-11	3.33333835614878e-05	0.019024217
0.312900886	2.29218371897954e-09	2.06346026451796e-07	0.488673483
0.120046725	6.66328627529222e-07	0.000185132	0.258520487
0.009940798	0.269998315	0.130948156	0.048048125
1.47882837198922e-07	0.468842135	3.6713080910059e-09	9.61910636507533e-06
0.020074898	0.291068199	0.199532751	0.078596931
0.717814354	0.763190287	0.952027435	0.839895617
0.016458831	0.012495549	2.43677984999453e-06	0.068268371
0.07535151	0.443630825	0.308252246	0.193612341
0.42666844	0.333166967	0.079077304	0.600061462
0.003510006	9.0765346545278e-19	1.59879208826364e-11	0.024382617
0.000349853	6.00921417065858e-16	1.28202651029069e-07	0.004450129
0.015179738	2.58342203276378e-09	7.43597879886999e-05	0.065134048
0.5971841	0.108811226	0.033678374	0.745373264
0.217950783	2.91679022475795e-05	0.002578747	0.38767877
0.856860979	1.47824962548061e-06	3.08436274024726e-06	0.927509879
0.004444649	0.336390374	0.000224317	0.028521492
0.307598064	0.283773413	0.960547536	0.4829104
0.453148595	0.905982198	0.526998905	0.622993615
0.515765206	0.587407224	0.914333344	0.677430023
0.342617181	0.13896664	0.593272902	0.517178466
0.000390414	0.393208079	0.006520575	0.004816233
0.005438346	0.754967756	0.013336508	0.032916749
0.034129885	0.723929238	0.076481367	0.110747995
0.659781856	0.308066621	0.566965421	0.794720039
0.053057497	0.008891771	0.48459108	0.150198375
0.45835399	0.90388528	0.388912469	0.62616187
0.065632526	0.818757401	0.038670793	0.175732935
0.241028713	0.767944256	0.379520937	0.416309098
0.989743111	8.87160556225943e-05	8.45200142099399e-05	1
0.866146884	5.82099227319532e-05	0.000114601	0.932974174
0.355630794	8.13312630408871e-07	4.71309723948849e-05	0.529560527
0.00275206	7.17796604275372e-07	0.031024587	0.020247803
0.16505571	0.73088658	0.294091813	0.323111793
0.023281886	0.000401798	0.191441926	0.086088835
0.035277019	0.001552494	0.276410022	0.113899495
0.186161365	0.962522419	0.17117238	0.350984076
0.848949076	0.006259357	0.010863776	0.923605939
0.589371779	0.000156895	0.001114794	0.740437502
0.035300088	0.44792126	0.175365604	0.113899495
0.087043731	0.544772873	0.266607245	0.212922359
0.124636463	0.680622293	0.258661893	0.265606521
0.911850422	0.02206772	0.029277412	0.963340659

Sheet1

0.291292168	0.045468271	0.00277646	0.470590387
0.078096519	0.04649482	0.00027168	0.198471884
0.782767647	0.000369702	0.000132531	0.885136707
0.001562876	0.000222608	0.54958707	0.013724463
0.006743525	7.85516145247893e-06	0.062265119	0.038293588
0.02289413	5.5481514027501e-06	0.016351066	0.085158274
0.006146881	0.227123777	0.121433709	0.03569643
0.259245831	0.000755374	0.022810863	0.437219546
0.036985041	0.007448516	3.09240771599671e-06	0.117743256
0.02364115	0.000806872	5.61430569369062e-08	0.086967828
0.037356032	0.290898149	0.301849671	0.118792181
0.366919254	0.762192421	0.548347682	0.542699175
0.124189568	0.908970559	0.154457041	0.265571606
9.27553581879944e-06	0.003655073	0.109273698	0.000279438
4.80533265063781e-05	0.001911825	0.316479966	0.001057912
3.66440669319776e-05	0.000631024	0.457310701	0.000852645
0.011064493	0.045231888	0.582721198	0.052136687
0.986861355	0.242353357	0.235820182	1
0.237708027	0.021376413	0.000562359	0.412315378
0.638208579	0.21501067	0.440817698	0.777587464
0.315737031	0.004207059	0.059919857	0.489908785
0.000596034	0.086230617	0.07670457	0.006642736
0.010484457	0.802806471	0.020560737	0.049927645
0.282068988	0.185614989	0.804936258	0.461567435
0.118678503	0.25883211	0.662973761	0.256733088
0.128330436	0.235511407	0.735160217	0.271190547
0.054510062	0.072434663	0.89599616	0.153399997
0.547887775	0.646135165	0.886137996	0.706967904
0.270887147	0.011594495	0.000393422	0.448397348
0.008178313	0.000302058	0.287263841	0.043642255
0.118417015	0.006179263	0.2160012	0.256733088
0.121581943	0.004645025	0.182829504	0.260845218
0.381491301	0.007347516	0.068093428	0.556543209
0.930700449	0.000848527	0.001094322	0.97043367
0.162367719	0.284815449	0.014371936	0.319334567
0.675259638	0.355236317	0.18015442	0.806581846
0.864593805	0.611065024	0.735316112	0.931995525
0.264786391	0.27479259	0.980536544	0.443508485
0.404887174	0.493948402	0.881021835	0.581152035
0.022325352	0.113775049	0.472591443	0.083414045
0.000501998	0.003629212	0.544305265	0.005758507
0.006417491	0.000408035	0.393312976	0.036800293
0.862570352	0.000855355	0.000464284	0.931224574
0.042070412	0.00319643	0.348859848	0.128134953
0.063661551	8.02630890045735e-06	0.006593161	0.172048498
0.074169147	7.62280593195111e-09	2.81152107116164e-05	0.191408565
0.028601983	3.60617125985666e-08	0.000370552	0.099395196
0.045973577	4.04527085490163e-09	2.15507488215329e-05	0.135359605
3.05604100869167e-12	0.013699043	3.44398110224217e-18	1.0781953493336e-09
0.02735166	0.405803828	0.163648524	0.096285918
0.146203163	0.997184347	0.145230989	0.296573928
0.200528758	0.007052945	0.151855867	0.366952242
0.013199574	1.21418836709703e-11	1.3742164764622e-18	0.059491623
5.55517079886476e-07	4.35961604526432e-08	9.48676255432378e-22	2.8390890761341e-05
0.000635066	0.613495371	0.003261768	0.006990613

Sheet1

0.000154951	0.351455789	0.003814322	0.002423333
0.325117645	0.001909899	5.36705413535627e-05	0.500261666
0.031871916	0.192495744	0.390426898	0.106438066
0.021500133	0.444817723	0.12187412	0.081687278
0.008370034	0.000147694	5.5907357129801e-10	0.044116092
0.744874969	0.983589809	0.729338705	0.857498401
0.048574094	0.202425487	0.479479448	0.140565274
0.103662528	0.297346311	0.554557885	0.236211907
0.925166067	0.160986119	0.135136044	0.968834718
0.008204722	0.610982394	0.001707485	0.043642255
0.004689629	0.680188126	0.01512583	0.029563258
0.468520659	0.000614831	3.96280016413808e-05	0.635500534
0.185547316	0.93055704	0.159046339	0.350287876
0.00092174	0.008090193	0.490682205	0.009288802
0.001876043	0.006587641	0.683714376	0.01551802
0.019332022	0.000927718	0.315591623	0.076631919
0.010275732	0.166041062	0.230982999	0.049134612
0.232586843	0.023207765	0.276760758	0.405455305
0.32121574	0.070536226	0.41098205	0.495589999
0.070021883	0.017423256	0.565484566	0.18415168
0.297044167	0.015751336	0.165709755	0.474768896
0.826252526	0.033447962	0.054958882	0.913024992
0.117146565	0.001249662	0.089331382	0.255154847
0.005653065	9.4040545359534e-07	0.024657562	0.033918388
0.526292376	0.004084135	0.000516455	0.687197854
0.005684761	0.025857557	0.57223219	0.033966148
0.022390637	0.470914788	0.109539492	0.083548896
0.524494263	0.118345237	0.029628043	0.686375208
0.000167312	0.179385567	0.012992039	0.002540373
0.085673953	0.148344965	0.780014395	0.210565309
0.188936115	0.440083078	0.58201846	0.354813098
0.3264729	0.25836653	0.883407138	0.501269013
0.168291026	0.513816034	0.459912084	0.326656044
0.02774578	0.136327351	0.466229545	0.097195132
0.050565246	0.977096527	0.054890483	0.14500775
0.002196815	0.000132446	0.422495138	0.017190741
0.767530582	0.74366452	0.979374283	0.875079365
0.09292529	0.747424528	0.169632343	0.220890514
0.034872533	0.916258717	0.027576489	0.113029661
0.074068379	0.090518336	0.915409093	0.191408565
0.159457064	0.201505617	0.892050423	0.314952462
0.013417266	0.004828612	0.727221604	0.06014504
0.655766258	0.273845483	0.125186212	0.791900013
0.084772245	0.457776762	0.310683998	0.209386807
0.007440699	0.28398861	0.096081024	0.041243139
0.067762023	0.77371975	0.11976981	0.179403246
0.009401609	0.968388995	0.010416191	0.046328285
0.007464691	0.84353617	0.012451734	0.041243139
0.00804667	0.946635231	0.009580005	0.043425417
0.102623958	0.916806704	0.124716442	0.235187593
0.098368943	0.888967185	0.127719243	0.22899673
0.026726471	0.873382737	0.018468269	0.09485634
0.033458029	0.912578649	0.02615669	0.109561647
0.815167162	0.743950503	0.926120995	0.906022686
0.353083288	0.023778756	0.172169697	0.527413555

Sheet1

0.490576497	0.783628296	0.335893014	0.654254397
0.789126539	0.276272981	0.409491666	0.889649877
0.402764749	0.414692497	0.980006847	0.579353007
0.767949397	0.846133291	0.624897443	0.875079365
0.600439184	0.468150817	0.841352661	0.747805459
0.578671344	0.281363021	0.105554318	0.732662484
0.042536338	0.023773914	0.813774312	0.128960806
0.353748536	0.072485932	0.374168274	0.527856262
0.490542876	0.960530604	0.521912886	0.654254397
0.481367018	0.100311771	0.339653359	0.645118991
0.658539905	0.849751681	0.528069815	0.793909523
0.511166847	0.963659746	0.536908639	0.673554104
0.985528769	0.972725733	0.987207962	1
0.949965592	0.83646666	0.787887593	0.981871262
0.003745829	0.070126157	7.59761423532349e-06	0.025344117
0.767184828	0.210708629	0.124103311	0.875079365
0.1956763	0.999287485	0.192142838	0.363652967
0.879725654	0.052973411	0.073440421	0.941576223
0.636020465	0.065298572	0.167670132	0.776243314
0.09748777	0.131513865	0.001931997	0.228163129
0.674613497	0.503854215	0.803724905	0.806492827
0.693837363	0.514784566	0.297450989	0.822261919
0.933112297	0.453353584	0.50566754	0.972175972
0.921169525	0.131104801	0.163612705	0.967126625
0.531446479	0.016010812	0.003784638	0.691363555
0.566077287	0.367035071	0.142429745	0.721653985
0.339374332	0.364296488	0.066150633	0.51448187
0.214360504	0.016403176	0.242689192	0.38367715
0.266210982	0.01302861	0.16118691	0.44451332
0.14730725	0.863868417	0.104912859	0.297748587
0.945166225	0.238777367	0.267198179	0.978370425
0.397420669	0.826840942	0.285335977	0.57416353
0.849059128	0.508818828	0.395432556	0.923605939
0.09441171	0.189003393	0.708219903	0.223126601
0.404897679	0.703204337	0.648009482	0.581152035
0.312776184	0.317382601	0.04752012	0.488673483
0.832352156	0.160952796	0.234406429	0.915875382
0.502213777	0.479460787	0.971754327	0.665433254
0.552102108	0.332246272	0.706586424	0.710630545
0.112498349	0.970767595	0.104372275	0.248051058
0.083811716	0.324700696	0.008420301	0.208400636
0.783218617	0.345207365	0.512154419	0.885296873
0.004107801	0.26072654	0.070980067	0.026841384
0.525602606	0.95398841	0.563518274	0.687197854
0.913640404	0.571870724	0.500840963	0.963463094
0.344389986	0.50314944	0.108910753	0.518396895
0.827629154	0.598541764	0.461642347	0.913661755
0.34497065	0.185246621	0.026056251	0.518815554
0.856825617	0.214064958	0.157272909	0.927509879
0.836252681	0.811108905	0.655974767	0.91770185
0.981508697	0.366044827	0.380373255	1
0.917816008	0.452345799	0.393407038	0.964790009
0.002173401	0.913543814	0.001516704	0.017135744
0.016193667	0.030776686	0.777794749	0.067658794
0.268227102	0.949110068	0.295915078	0.446482142

Sheet1

0.614117296	0.422169557	0.764948855	0.758241458
0.000834309	0.807026536	0.001786005	0.008653436
0.190257954	0.347137209	0.697678995	0.356127053

Sheet1

FDR.P_24h/P_01h	FDR.P_24h/P_12h	Sample_1	Sample_2	Sample_3	Sample_4
0.97913626	0.759892838	23731	45590	24918	11231
0.891982253	0.905961615	27509	46098	27629	12137
0.079550019	0.419259312	653	7735	588	957
0.408895908	0.064256061	6997	23216	5878	6342
0.580408703	0.322075279	46740	42912	20082	18428
0.036983678	0.760975892	58348	33850	19740	21361
0.001671797	0.548058878	4123	47384	9860	6191
0.952034992	0.218786864	7213	2104	861	1583
0.050924403	0.369881112	59939	33057	12014	8811
8.87959821683594e-13	0.005211832	505	4826	271	454
1.19945565748476e-10	0.02459913	193	3067	129	294
0.002045779	0.054766731	2241	5380	1448	2479
0.021459834	0.282514765	2085	11103	1582	2848
0.914622069	0.964538398	57273	82219	44270	32224
0.598588608	0.521306502	11769	19904	6844	4700
0.727884414	0.718746533	20442	46016	18150	15206
0.751884932	0.68935896	105120	45846	15996	20404
0.772807612	0.31989118	20918	31285	17088	14629
0.090467198	0.640698115	11990	24625	11264	9641
0.002851243	0.301757173	6689	12811	7768	6193
0.00125223	0.231400848	8488	11947	12072	6754
0.237895459	0.904382031	1610	4645	1411	1772
0.714925186	0.023986936	6027	13512	7429	4795
0.610381513	0.002202956	227	628	330	486
0.441518833	0.549922226	4157	11857	6285	1541
0.096416654	0.038693764	4	163	30	58
0.224753472	0.212853529	354	1377	315	242
0.899531242	0.341551244	3516	11020	4033	2204
1.25489498016132e-16	4.62191094308581e-13	1706	200467	5906	52183
1.55764408152971e-20	1.15597209530693e-15	314	42674	859	7997
2.33273609596513e-20	1.26716238536154e-17	1189	155964	3596	51691
4.99558319902348e-19	2.29632249666913e-14	402	55664	1051	10782
1.20882606514261e-08	2.25652335770282e-15	682	28270	1973	43525
3.45383823374816e-09	6.45306983014345e-17	4491	110186	8767	251703
5.84412211309806e-15	5.63197926107579e-22	1138	45863	2050	45428
0.002174948	0.002340762	488	844	725	145
0.00017568	5.49369147551328e-07	23188	28132	38500	5665
0.825211496	0.428770385	180	922	231	268
0.966485781	0.041615189	1192	2874	1055	1381
0.007491791	0.141879625	469	3151	599	1136
0.042050334	0.072550284	242	1668	221	507
0.000245291	1.46387654960039e-10	1057	4079	562	2679
0.282652701	0.902579452	121	1083	162	254
0.03952042	0.026382353	532	2983	803	1309
0.000413694	0.004284645	1354	4803	1871	2234
0.612820851	0.912382651	4915	11224	5990	3341
0.097200148	0.961808592	1625	2893	1334	1001
0.389746488	0.480780209	316	1053	921	478
0.890538806	0.500288613	745	2291	1959	742
0.880062109	0.543414463	645	2561	1470	773
0.540423484	0.64760093	1700	3851	3492	1718
0.614150209	0.929481449	1656	3631	2979	1416
0.385454996	0.950476496	11278	17540	7882	4965
0.421501384	0.046434021	478	1983	1083	1034

Sheet1

0.110178788	0.003140617	906	2371	1106	1381
0.006027749	9.92404122967069e-05	2687	17911	25163	5032
0.577453051	0.000350563	1367	6083	1831	4828
0.086463998	0.774295315	370	584	469	511
0.666218171	0.925064242	419	1679	848	876
0.125801367	0.008129916	336	855	454	218
0.704256165	0.029859878	3556	5819	4232	2004
4.2929011763393e-13	0.00015513	1615883	994364	22454	39417
3.35134239715063e-19	0.000161551	2377	16606	955	1148
0.823675123	0.055475009	695	969	918	1140
0.051453366	0.959810311	266	465	306	415
0.000158313	0.0896487	982	777	730	514
0.089615219	0.275376852	278	582	566	792
0.251503837	0.284055362	538	718	1043	814
0.33988635	0.330683232	394	1114	647	830
0.582498713	0.046917648	233	442	360	497
0.342607681	0.361376005	640	1348	1208	1210
0.220629498	0.485960858	639	1356	1043	1235
0.546849664	0.233527207	717	984	1053	1038
0.851330457	0.146064307	968	1790	1157	1450
0.65079543	0.234380299	509	1157	557	624
0.000227013	0.001817855	873	2249	2350	1076
8.64473417471443e-08	1.17377067668323e-05	222	738	868	285
1.62349327150569e-05	0.000248996	1518	24278	2008	4182
0.083392429	0.644385657	57	124	164	219
0.083599236	0.434454231	557	1068	1181	1340
0.113405429	0.767257723	106	407	312	370
0.026268414	0.786109097	239	547	552	510
0.242828264	0.593027538	663	823	1185	1414
1	0.367026982	386	2261	443	454
0.159590004	0.001876228	1848	5732	1250	3555
0.247090013	0.087911679	50442	151814	20434	2260
0.389746488	0.19252766	2231	9075	1709	1132
0.001277044	0.997264522	23764	172129	8995	1841
0.004588628	0.878678671	74517	335883	14506	7289
0.030284239	0.718746533	54664	113769	8741	6103
0.078355907	0.956102318	48294	111423	10513	7687
0.094765024	0.893113412	450	797	780	727
0.05490632	0.660623676	274	486	558	655
0.00886231	0.870464303	181	523	597	556
0.000297747	0.065626712	171	597	841	324
0.185785552	0.718908899	1375	4007	3620	3115
0.507258299	0.817782247	3695	9375	4794	2755
0.720757989	0.317421341	10	50	35	47
0.804906312	0.545085317	86	603	155	271
0.258624891	0.797385023	40	237	23	29
0.019059419	0.296146776	145	649	901	334
0.866860665	0.000480439	13436	151174	53514	3824
0.005874547	0.000502678	125	2507	3242	774
6.56955160366419e-05	1.44683057243272e-06	66	3479	5352	582
6.9558275338428e-06	0.00056323	702	3242	7667	2022
2.96829374567253e-11	5.75204280659426e-08	856	5821	18702	2779
1.12901932869638e-12	2.62381924982417e-08	642	3237	14332	1627
9.01950321449823e-15	2.70861470749843e-09	468	1618	9012	976
2.62167328689594e-12	7.14411592486741e-07	994	2001	10402	1902

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3.64212486952561e-15	9.50281869530715e-11	120	513	3349	261	
2.62167328689594e-12	7.1641640988552e-09	264	1121	4844	680	
2.17088061312474e-08	2.29281320259481e-06	1138	1798	7839	1351	
5.83894451856933e-08	1.35403010631131e-06	215	756	1895	373	
1.4673718027215e-06	0.000868596	2245	2820	13622	2530	
1.66640553538108e-05	0.000868596	660	1494	5982	829	
4.75620657756402e-05	0.00169804	447	1171	2923	801	
	0.000153656	0.001449611	889	2874	6202	1220
	0.035225072	0.016643097	1673	4985	7535	1558
	0.017777446	0.16429228	337	2475	316	318
	0.010431437	0.015110311	978	3853	1059	889
	0.36526915	0.670310445	44113	30156	1261	2596
	0.696932273	0.113714192	415	1758	378	207
	0.010447174	0.220583183	19	117	64	61
1.12616319260857e-10	1.83807847095225e-08	2733	88490	5019	14456	
2.6334479324967e-09	2.87441594039361e-08	518	11038	559	2170	
3.1219565535092e-09	1.33413849202668e-07	154	4376	203	618	
2.01716421609368e-06	2.87467219531731e-06	364	6166	694	1301	
	0.012100973	0.000731983	1075	4218	1396	3485
	0.453896489	0.004621574	1248	17955	5027	7946
7.45210190195893e-09	2.46206388059851e-05	213	1843	742	949	
	0.798635467	0.022373279	2104	6681	3001	1339
2.99295065608957e-18	3.7483084667823e-18	21480	43817	256923	19781	
1.9122683890845e-19	6.11701673357497e-17	2059	4876	23085	2809	
	0.71066613	0.003669598	1947	11504	4043	326
	0.041757705	0.097364416	292	1135	388	568
	0.138186079	0.87820614	426	1775	772	634
	0.595090118	0.893283807	502	1462	830	711
	0.009010499	0.323070678	442	2544	616	772
	0.258624891	0.026567004	1736	5797	646	586
	0.014925959	0.396200644	9958	1625	762	5753
	0.013996616	0.718746533	11982	3204	921	2310
	0.18904208	0.692883133	10	26	13	21
0.400971005	7.14601134523081e-05	51596	25837	12442	3222	
	0.005509812	0.889638732	7375	34698	654	400
	0.08418665	0.85901117	17082	26648	1350	1295
	0.28028151	0.59100351	33195	39385	1775	1578
	0.385454996	0.071444952	2740	7744	684	1054
	0.991623844	0.647620127	41	272	80	150
	0.13282612	0.031278822	15296	27102	8902	3847
	0.000623029	0.992080652	8297	22399	4953	1950
	0.000514938	0.369060051	5404	13395	3255	2156
	0.000543195	0.012030127	14296	23492	6035	6777
1.95926014130239e-15	3.98947859195093e-08	2104	104914	3503	10894	
	0.279764764	0.307883132	455	2773	553	943
	0.92150348	0.640698115	575	1943	888	873
	0.886232685	0.6878866	628	3158	1182	1149
	0.239686588	0.956102318	1176	2813	1595	1693
	0.684508623	8.47579719815541e-11	978	4885	2005	5189
8.94992486369648e-09	2.51482417456836e-23	3466	153048	4487	218036	
1.84479094495131e-09	2.6718824864851e-20	1059	16821	1664	33922	
	0.336477552	0.606798987	1316	1247	608	843
	1	0.237319381	4574	1494	482	783
	0.716293715	0.263573537	2460	1133	585	880
	0.865778008	0.029975054	560	745	382	716

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0.389808693	0.06785854	858	1336	977	1285
0.281444694	0.008413734	1260	1234	1512	2155
0.457930638	0.002597238	717	1634	886	1499
0.001480682	3.87115161144089e-09	310	1474	1875	290
0.142346891	0.843686997	6864	14833	1661	1464
0.002193584	0.008416208	1454	1774	1387	615
0.36526915	0.021179331	2975	6152	3115	1335
0.494572103	0.008275761	734	3342	1067	427
1.01043887518995e-05	0.776942987	215735	1398382	44185	13659
0.011634389	0.303971745	37974	269881	6648	4011
0.032639546	0.863408742	143	1471	170	167
0.074798663	0.988878132	975	5970	1505	1472
2.39162002813171e-07	0.630557784	68	1553	100	265
0.000851344	0.294707919	1204	18281	9204	4320
0.602785758	0.189879161	5	33	32	15
1.47487104210869e-18	2.63104361302493e-15	695	1816	3065	1176
1.36075499048159e-13	1.05526380618748e-09	709	1791	2286	1097
9.19210951543755e-08	1.78233117348075e-05	658	1870	1630	924
0.004152752	0.008956503	965	4391	1464	1555
0.209282174	0.000214478	1212	16877	1659	1446
9.41684557345526e-05	0.682410037	2259	7354	2022	1846
0.819571205	0.163826583	2716	7819	3864	2895
0.376553321	0.000258142	7074	7586	3215	6414
0.21589469	0.00302621	1097	3006	576	1063
0.196389408	0.000413228	115430	98099	23475	55654
0.205099957	0.005376942	136	1089	436	928
0.907322238	6.01655197710247e-05	166957	672939	277451	14381
0.257403301	0.06289911	70	1460	303	68
0.220629498	0.004260608	1198	4392	1386	2696
0.001979962	0.029700684	781	1363	801	536
0.409908686	0.881900233	2	29	7	11
0.199835371	0.813721099	409	1292	779	893
0.373568918	0.622818134	55	127	37	87
0.268740059	0.949260474	86	295	124	182
0.28239035	0.331031329	659	1121	997	1205
0.611196432	0.14834255	1276	1744	2148	2080
0.727465527	0.098868691	14	75	33	56
0.187780364	0.020387066	367	1576	488	670
0.010603493	0.164800872	8919	7514	1419	1863
0.029509243	0.189537522	9865	7782	1601	1980
0.395987801	0.607626875	9384	6322	2402	2566
0.189204215	0.096416642	2923	4139	2119	1361
0.810114825	0.381292973	8014	14083	5995	3945
0.671800165	0.077734648	7267	18816	9830	3979
0.451309886	0.227181821	34871	58165	36867	20479
0.997058121	0.571997604	35634	62183	38225	21457
0.053908936	0.343622228	9187	33926	10375	4925
0.007005532	0.757620755	7164	31698	7285	6894
0.683167008	0.030613279	606	2417	1361	552
5.42088287380561e-06	1.71629371354215e-08	8222	2462	5140	968
5.84415716359546e-07	4.50433599933264e-10	5623	4682	4702	765
0.01782714	0.039034539	858	16720	2649	4085
2.46057615813004e-07	2.40656265928814e-16	1211	7513	1400	11561
0.019002973	2.97078995580005e-08	1701	8159	2612	7672
0.389746488	0.31214775	496	1982	911	806

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0.392217944	0.001725998	9	90	39	100
0.074076452	0.013233593	8547	4319	1130	987
0.120264208	0.043471798	2655	2118	354	485
0.272342628	0.14834255	1915	2066	359	430
0.559517848	0.637377822	878	2107	650	832
0.012053589	4.85249949994599e-11	66	310	130	851
0.258934102	0.781465921	385	1039	841	555
0.011788098	0.030299515	790	2480	1061	1450
0.710124086	0.673339114	1489	3123	1311	1428
0.963255634	0.939538388	2402	9203	13952	8339
2.10593857067697e-07	1.21872612753794e-06	565	672	2743	513
5.18844585148193e-07	3.10633950573102e-07	121	463	683	128
2.34905190247856e-08	3.83034694714384e-06	142	444	771	287
5.04034188269426e-09	8.13020727319584e-10	2173	3857	15529	1773
0.826745887	0.019732927	267	844	920	466
0.808961386	0.058378408	190	1368	825	354
0.016021821	0.022388339	1357	4759	3428	1995
0.850892247	0.090950303	1828	24367	4155	4358
0.060661813	1.59336117885923e-06	2144	8508	10359	2426
0.002469368	3.93863050383673e-06	471	1301	2122	514
8.58969865926341e-07	0.000564817	53	75	168	66
4.15205686721563e-09	3.37004297138656e-05	418	1186	2341	759
4.84867291332816e-10	4.74952464288903e-06	3136	4453	12958	3940
7.66509255788652e-08	0.000480439	240	509	1215	371
1.35045153527026e-06	0.000484159	145	417	630	275
0.000183317	0.000191508	144	417	763	190
8.28399182386822e-05	0.000464238	176	287	496	191
0.005970463	0.00848597	9556	9568	16648	5170
0.000151743	1.42814096096801e-05	10037	8187	9168	2524
0.001352932	0.002594074	2519	2419	3158	1335
0.008963811	6.06830060046944e-05	1013	1411	1319	359
0.915350478	0.445689408	95	761	243	166
0.420188736	0.737858412	760	2153	2060	1538
0.20755186	0.825841256	764	1515	1321	1069
0.312959789	0.673283907	1164	1829	2542	2062
0.157383414	0.67174528	1046	1956	2121	1092
0.062662533	0.497193664	694	1518	2097	1086
0.001798675	0.002178447	1672	3591	5849	1722
0.095278549	0.000254562	1294	2576	2665	681
0.251272449	0.012139263	8414	65088	20622	4308
0.001196816	4.56176706479189e-10	1937	12485	2266	19334
0.000642985	0.157510443	1165	2196	3162	1511
0.829296591	0.045934619	1735	7046	1799	2928
0.963497844	0.26433834	1183	5269	1407	2014
0.249188873	0.673283907	55	154	86	151
0.000229997	0.517485533	1850	11723	2142	2311
0.127752566	0.792158066	1188	10748	785	934
0.011338581	0.557650832	874	7451	480	490
0.109792224	0.640698115	358	3250	254	390
0.396197029	0.813724958	872	1600	729	798
0.77824695	0.692988692	1016	1521	642	688
0.474804602	0.496031909	2487	2176	1454	1636
0.526572964	0.033828114	6144	5880	1589	3182
0.733885268	0.756402865	512	1729	645	558
0.612702261	0.077536388	595	1156	934	1205

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0.000358302	1.23154072480037e-13	6622	276292	262097	29709
0.659060968	0.901084731	2234	5889	1367	1945
0.495485905	0.652581701	1087	4875	1292	1646
3.22452328468166e-06	5.23315389066076e-09	38	371	237	80
8.21436924878435e-12	2.21527465199412e-08	3234	2359	5964	2161
5.61734712643286e-10	1.30568580773221e-08	1076	692	1103	380
5.33072501810362e-08	3.83731212010358e-09	601	596	693	276
5.91438950139074e-06	0.001681666	2469	1369	3553	1736
2.44032929163223e-08	2.73124593488191e-07	2566	2105	4189	1596
0.005999943	0.015290229	4035	4874	3228	1573
0.71487356	0.621044424	10184	11926	790	1138
0.582906741	0.736128983	7834	4524	314	348
0.176624223	0.939427913	3162	5379	242	295
0.069702771	1	36973	51773	1515	1773
3.19630610036725e-12	1.35566165626431e-08	8026	25180	2262	6087
7.82293009963997e-06	3.23129010047598e-05	3120	4547	1088	2910
0.009059365	0.000110787	625	1352	377	894
0.44860991	0.426963686	15859	14829	962	1061
0.073955241	9.70074736606151e-17	831	3484	771	5380
0.029701681	3.35281493059627e-15	1598	9870	1151	10503
0.045850931	1.21601141111586e-15	407	3751	335	3919
0.510928172	0.034902493	456	1844	845	512
0.798974628	0.000746787	39	155	52	173
1.53273539006888e-11	4.20882026584001e-07	1581	32661	700	3208
1.21129041856287e-08	4.13276790907929e-06	772	5619	766	2227
7.55492362207597e-06	0.000456333	1290	5898	1866	3374
6.93443138183969e-08	3.44778113149294e-06	737	6227	1134	2634
0.006735738	2.46939118355518e-05	436	5818	313	1893
0.001307687	7.09776336358344e-07	2915	12781	964	6175
0.00050024	8.26757674101812e-10	859	5882	397	2990
0.21088941	0.043058915	192	255	153	246
0.001948452	0.014680059	1131	1106	432	473
0.002548191	0.006001158	2099	2070	581	1199
0.024495791	0.524936188	466	2316	330	656
0.04318003	0.374083343	484	6984	759	817
0.539704997	0.146203052	27759	16226	7393	2849
0.150326543	0.000127393	792	1849	449	1054
0.155417174	9.12793603472806e-12	1320	4119	2342	6872
0.394030584	7.60118526923878e-09	676	2100	1205	3900
0.046182111	5.63474975621934e-08	198	664	271	870
0.199835371	4.44158175157985e-06	408	1011	699	1534
0.093613093	0.05848111	3684	6725	1996	2912
0.133363045	0.909795966	1739	9066	2810	2296
0.557793299	0.162173766	5236	5801	4723	1835
0.591568387	0.04141608	37740	43494	50245	11619
4.4063286037654e-09	4.09876843515317e-11	219	16855	948	7107
0.195472559	0.035730773	57637	47403	175445	45669
0.084985734	0.053508659	73889	55273	242156	61946
0.053043769	0.024167323	1541	2836	5115	1690
0.17995046	0.014681264	247	2485	434	1287
0.020808225	2.07147205203937e-05	347	2568	545	1831
0.550939773	0.065470037	525	2735	1043	1566
1.30040115343623e-15	0.00014593	831	17548	1379	4493
0.266681085	0.098012888	176	804	457	618
0.377524805	1.59259271197792e-07	1409	4993	2182	4430

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1.16731655662923e-06	2.08118974478119e-05	759	13400	673	2095
0.448174481	0.003300427	948	11960	706	2992
0.008504011	0.022440687	987	1117	1273	499
0.369778064	0.015231057	247	4563	514	435
0.547843199	0.149605264	3327	9114	3271	1774
0.150994775	0.01846593	47	424	130	99
0.213031171	0.00148658	81456	235075	217481	236694
0.460451238	0.026431506	37548	71799	101150	80467
0.02825318	1.52413713476985e-07	6707	16356	2425	9262
0.019075489	0.879985312	1823	59282	2965	6551
0.029359033	0.404923523	198	730	225	738
1	0.000359872	21848	42108	43093	5984
0.000677848	0.000137597	24188	53871	9112	20551
0.143854965	0.005888823	12501	13790	904	4379
0.004259478	0.198704885	2157	6522	482	739
0.00552422	0.028792845	6819	14374	1646	2858
0.001642644	0.14363699	91678	128727	38218	37530
5.81935742903862e-06	0.364254803	22597	60767	11097	9556
9.77130982491782e-05	2.26495555399468e-10	349	3537	1148	3188
0.233437273	0.956102318	333	1554	772	953
0.394030584	0.189668752	134	1338	291	448
0.503356006	1.03145313585352e-07	613	1413	603	1929
0.003015825	0.01987413	82	1799	278	441
0.258624891	3.72688610434818e-08	2972	5556	2654	5610
0.840997445	0.000188453	237	1252	380	1148
0.003122546	3.6029866558224e-05	339	1347	439	1182
0.90763559	0.155098104	2220	8296	9266	6510
0.119627715	0.80015385	5	31	30	26
0.985368255	0.539343281	1154	2940	3656	2659
0.654999542	0.143247107	388	1181	790	1022
1	0.20911225	321	1054	603	664
0.014790255	2.15235177313788e-05	762	2356	761	2647
0.265983069	0.005087414	375	961	312	640
0.001495664	7.20672317395291e-05	237	1053	225	493
0.524902154	0.279323276	628	2162	2017	1321
0.142678487	0.440404953	114	224	332	343
0.008292264	0.007465023	6912	5872	4775	1937
2.390386606678e-06	7.03943262929204e-06	2570	3246	3076	1133
0.185973666	0.402476789	129	551	516	266
0.155115335	0.963918125	1333	3464	2642	1977
0.686040694	0.132912375	89	10164	2034	12160
0.00386835	0.022506558	403	1752	1868	643
0.001888549	0.314266225	1356	2078	2934	2102
1.95282833035119e-06	2.11040076740656e-05	1524	2807	5800	683
9.92888506879546e-11	6.09447341169909e-07	6789	7268	23572	3885
3.85246029687155e-14	3.40900759474071e-10	1401	2084	6217	799
1.20804043761353e-09	7.49133529446181e-07	574	1238	1444	560
0.722718584	0.289559261	1098	1875	715	681
0.696256222	0.584905893	3541	6560	4007	3581
0.093190224	0.868009598	111	282	318	380
0.411987439	0.869792603	4851	3281	3429	1872
0.284958495	0.448877793	44547	14458	43766	16326
0.762662826	0.315524294	16393	13112	13933	6483
0.883447471	0.565624608	75	505	149	221
1	0.864572549	2716	3728	1662	1303

Sheet1

0.812332723	0.331031329	4629	5607	2759	2902
0.055244033	0.862293065	149	261	361	306
0.036334387	0.207492224	2654	5412	2826	3224
2.25189103094328e-10	4.24571139089196e-15	1002	16569	1818	7568
1.59452253693353e-06	8.1689749756183e-11	2016	25053	4928	15134
4.36014739356024e-12	5.17658052583205e-08	4623	138610	2005	10457
1.15008588281024e-12	7.7485623722102e-08	2498	92487	1483	7291
2.8485194224804e-12	7.46845154521424e-08	13661	619788	11400	69819
0.65079543	0.643834762	17460	98508	212221	131495
0.886608548	0.001393542	1071	2473	697	1838
0.200059078	0.973765413	994	1959	1169	572
0.17995046	0.098012888	3096	4030	2521	2009
0.011365052	0.383832052	1470	2012	637	2877
0.302036697	0.72613178	1174	2738	1046	1299
0.090984714	0.3382847	520	1133	1278	1415
0.117782409	9.4413137382304e-06	3618	19392	9589	16688
0.453192225	0.000536564	1463	8295	4113	5633
2.28975066993242e-05	0.142477386	21405	209405	8633	8115
0.011365052	0.396200644	13184	60505	5085	6165
0.084539718	0.830958204	3230	10030	1181	1341
0.071680565	0.710856175	54	391	166	224
0.176409924	0.434454231	1658	5351	1298	804
0.82472098	0.691713377	19203	35935	13448	8604
0.609201803	0.664551331	8751	19509	4443	4164
0.167458526	0.385026555	13297	32378	6841	8353
0.393196828	0.941867045	31	139	66	101
0.832275527	0.017281784	1678	3508	1403	857
0.795202397	0.556807431	2060	3988	2043	1605
0.074266726	0.332696522	4971	22116	4187	3626
0.023444726	1.25262914911852e-05	872	4428	2519	844
0.000428993	0.000106023	8327	7570	8864	2924
0.000321564	9.42490493211441e-05	1130	1571	1607	486
0.000540567	0.003774475	1104	1743	1627	718
0.03952042	0.002293827	331	337	423	92
0.00018923	8.86623956138641e-06	1769	1238	1679	398
0.547512046	0.000146864	62594	77253	30167	8890
0.367617301	0.001659883	12489	38991	8511	3552
0.034840988	5.56933600576224e-06	1823	3306	3218	674
0.004650375	3.42708608122288e-07	5102	5159	8465	1281
0.954680372	1	7308	86198	69565	41882
0.596927615	0.739298432	7604	23591	12413	8219
0.835533264	0.407868124	7557	22730	11064	5477
0.388298496	0.228338561	9361	21928	11377	10976
0.962399171	0.47157406	6226	16260	6517	5424
0.566050387	0.330206761	27	203	146	113
0.798635467	0.230562262	34711	30967	18348	13504
0.147751917	0.470272182	21160	19486	11752	8173
0.240604373	1	55	114	98	99
0.115857412	0.80015385	81558	157875	108427	81542
0.005691355	0.846973219	1432	4307	921	884
0.956493405	0.695113341	22394	21799	17019	12203
0.176624223	0.526804401	8646	8081	8123	5730
1	0.539343281	8142	15145	8620	6339
0.421386778	0.223493239	7182	9137	3338	2831
0.018840583	0.46829142	4670	10213	4205	3290

Sheet1

0.000355639	0.100605912	8640	43914	6551	7811
0.002787257	0.000968541	5919	5828	8064	2812
0.003102542	0.002411256	2313	2884	2306	1310
0.455299956	0.205536332	41110	113556	32539	44280
0.009810333	2.32682480819153e-11	11364	18282	7523	46329
2.20165822490471e-07	1.3489546276195e-11	41656	136425	8578	60049
0.011579904	0.246996032	3404	4149	3229	1813
0.005748452	0.102170764	1068	1276	853	599
0.362284848	0.800004034	3194	7584	2646	3068
0.610902914	0.834638476	2799	6568	2637	2273
0.544499042	0.910069007	39923	98384	37661	36999
1.41114778207077e-05	4.65471538174819e-13	471	2295	405	3028
0.016507841	0.000283031	17097	15524	1877	7692
0.013521165	0.00111669	11477	15188	1297	5336
0.060553994	0.000595682	8531	36281	5142	2021
1.13455002736015e-14	1.54711351980576e-25	7172	44991	2957	117322
1.39481596146283e-13	7.93556305398121e-24	7127	75464	3609	144107
1.47801521018076e-12	6.08838424273651e-22	9781	118156	5256	250883
2.25831023743149e-09	1.05120491700293e-18	52956	379945	26609	853128
0.9781616	0.3998753	26123	38909	25871	11028
0.889191364	0.041015229	7816	19909	8191	3549
0.012100973	0.81179541	23603	124747	34203	25717
1	0.333552624	8920	11321	5999	3088
0.609201803	0.036134145	10824	19364	8568	3919
0.233375272	0.06947747	4061	6538	3730	1898
0.136336027	0.002733703	3527	8941	3168	1513
0.046379559	0.001083013	5093	8544	6583	1792
0.000184157	5.89446564634346e-05	1458	2375	1840	837
0.001012916	0.00056323	12893	17362	16265	5797
0.008627731	0.000480439	34043	40649	42236	13034
0.964573127	0.143597603	73603	101982	141066	48023
0.483791182	0.004894523	21845	34262	47541	9132
0.01778098	0.166247694	74254	374267	120816	42100
0.02282894	0.132912375	13237	119260	23363	6728
0.697671659	0.000176471	5770	21313	24833	2060
0.282483465	0.394926574	132310	308495	356018	127799
0.118465774	0.345185945	74745	163162	272076	95016
0.394030584	0.046116934	36495	55149	99039	36419
0.088114158	0.015111303	197320	195578	451173	115773
0.282248667	0.00544505	102603	112650	220747	58756
0.594637504	0.033579257	296354	826473	642913	225462
0.602299859	0.026128917	290466	508523	383312	143920
2.73377402557473e-05	0.000192594	6326	34578	3475	6469
0.008486778	0.324894549	55345	71621	4832	7291
0.003296751	9.96867933858658e-14	111671	135012	22038	163815
0.602014286	0.498722977	10325	8241	2963	3540
0.000150314	0.315838582	19686	150087	3125	3140
1.95288497090238e-08	5.47870833887632e-06	30501	108034	7664	28668
2.09085863276016e-06	0.000137437	134	585	79	183
0.001096145	0.149770684	2228	6165	1186	1416
6.13601473384201e-05	3.13172614930419e-07	2616	4401	3301	1119
0.148808878	0.004074765	115	1428	515	262
0.470531267	0.284637678	527	1500	830	678
0.000366658	0.000233138	4927	11950	8792	2886
0.000149375	1.63280666507087e-05	1901	4011	2862	840

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0.004507443	1.230093909638e-06	19989	87519	61341	19384
0.001576277	0.778438709	27687	207582	41650	34808
1	0.778438709	6197	7656	3454	1934
0.675699839	0.744399562	10052	36985	11854	9432
1.5235097878958e-07	2.29853126125425e-08	9713	36820	3448	16441
3.16805340700224e-07	4.78276339015187e-11	4600	14824	1806	10025
0.001118035	1.22553635635028e-05	2040	11270	1019	4989
0.005577819	0.000530528	5011	13134	2328	3455
0.001269833	0.000192594	15644	36045	4529	9157
0.000460151	1.23958136538387e-05	20579	40813	3569	14792
0.713806987	0.146656258	389	811	807	1187
0.607963111	0.055152136	1306	12261	6676	12000
0.023417087	0.969850775	279	774	447	586
0.086463998	0.83385821	931	1803	1543	2016
0.113342669	0.953837045	361	788	931	888
0.037306601	0.014354031	198	396	326	187
3.12369330789819e-06	1.5908908266427e-08	3282	272868	4451	104037
0.015532304	0.010599508	15488	47768	14917	14775
0.001528912	1.39047479576637e-06	1632	3864	3284	877
4.54449989702591e-05	1.21008266620951e-09	3164	5159	3962	935
0.00097294	3.89916785151767e-05	3511	6043	3892	1308
0.110971382	0.015290229	6870	18960	10051	3136
0.463049938	0.497520846	732	3997	563	666
0.240663469	0.378442133	1039	4293	898	1628
0.094309613	0.621149805	5217	17215	2760	2435
0.451309886	0.660623676	46743	68565	16056	9494
0.159811793	0.775053358	57773	83814	20006	14238
0.00224507	0.463782706	3793	4515	5514	4259
8.8741198207512e-05	0.995547506	7371	5332	9893	7161
0.000152965	0.915410601	5238	6707	9432	7555
0.44860991	0.007909973	2048	22973	17417	24411
3.87908975822445e-14	4.40654862553545e-21	678	9386	872	6775
1.53273539006888e-11	6.96898172710937e-25	341	3820	304	3671
0.266681085	0.319759959	24	122	108	116
0.079550019	0.043939968	4536	6090	5431	2018
0.005562259	0.053833699	499	831	864	662
0.0054654	0.007909973	1543	1974	1881	1052
0.018442107	0.00195978	411	1038	783	327
0.016507841	0.001848845	411	897	790	427
0.261634368	0.018315932	68	325	119	71
0.169922355	0.005974474	377	1082	478	300
0.598588608	0.020621485	102	741	186	124
0.267002099	0.177032623	198	747	351	285
0.199267353	0.415794017	255	756	547	524
0.567045594	0.978624597	255	704	295	314
0.515912991	0.912650391	1755	2075	1519	1023
0.914006094	0.787081869	335	791	410	226
0.604150961	0.970216813	862	2187	1212	787
0.197500523	0.521306502	14025	13983	16781	6185
0.466702591	0.943150374	14026	34912	7596	2920
0.500340299	0.825584985	3209	4524	1286	1319
0.182143055	0.832524963	11317	24410	5668	5036
0.113342669	0.819133364	1622	4899	873	919
0.342650928	0.000541244	126678	1006995	197892	9668
0.798974628	0.070327819	45	228	114	49

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0.350729781	0.549699046	3726	10262	7395	3987
0.000731597	2.26145688707583e-05	17021	28956	23630	7043
0.000205141	0.021294932	152	485	493	299
0.011794038	3.06306033910367e-05	2970	6035	2977	1116
0.418868014	0.155098104	2529	6640	1443	1238
0.325829984	0.973608911	4503	9424	1947	2146
0.048069074	0.443820756	7065	12352	3551	3122
0.024174704	0.781888845	34946	168247	32846	10112
0.099780978	0.006389126	7192	22598	8282	14201
0.13445589	0.000310508	939	5678	538	2130
0.005577528	0.004585183	1992	37683	3721	17419
0.23188558	0.513398682	404	4268	762	762
0.330369549	0.653294504	177	1353	466	642
0.211779944	0.970279426	110	1037	473	629
0.288341555	0.183772003	2408	7866	3733	5546
0.862457779	0.044150418	270	973	583	807
0.67442611	0.400793758	216	825	601	552
0.699119339	0.193350529	920	4116	1390	2498
0.798974628	0.041198113	155	1098	254	587
0.630802935	0.107787426	1174	2947	1631	2701
3.36824273874978e-07	8.70870445018636e-10	3787	37004	2954	13840
1.64100763765816e-06	0.085246027	4599	2906	4361	3062
2.33314414757044e-06	0.033915035	1177	802	1430	770
1.17994949959142e-05	0.047492469	1428	932	1690	912
0.009100329	0.010234926	6550	42748	7562	9249
6.18901610621026e-05	2.02539325453148e-06	436	3167	499	2825
0.723775008	0.263796182	1413	7548	2059	1616
0.309045906	0.000109055	27046	22677	12137	26701
1	0.031859669	8059	38740	10294	5787
0.849362605	0.65212215	10826	14850	5571	4974
0.799130596	0.574044803	5822	11807	4714	4045
0.53201973	0.67174528	3270	5022	1984	1628
0.598487609	0.269264885	4008	17866	10968	10767
0.798974628	0.830906747	16795	62321	25047	20720
0.772807612	0.105357951	10491	19298	5839	4764
0.458444976	0.59114162	8	35	17	29
0.082228225	0.956633196	7183	21778	4635	5280
0.281828061	0.509010258	6024	10777	2884	2662
0.985368255	0.251908084	6740	9498	6450	10543
0.78815681	0.895946092	1532	7633	2110	1922
0.53201973	0.664791265	21542	7524	1161	1292
0.780428926	0.916394994	24883	6155	1034	1008
0.722718584	0.604685583	3473	1884	626	418
0.010465387	0.005250759	3180	22203	2603	8105
0.003128623	0.010187246	3968	33381	41388	10771
0.013972113	0.001904739	564	3702	4568	2126
0.65079543	0.243506961	547	9903	2685	2270
0.000677533	4.65471538174819e-13	3094	4593	698	6969
0.02129888	0.01150377	2750	11822	2608	4004
0.027346806	0.167962816	1054	3196	544	931
0.029786976	0.027413836	3387	8325	2454	3108
0.148962607	0.222318432	2064	9396	5874	2817
0.418670547	0.14363699	2167	13084	9605	5528
0.030760708	4.10326240893363e-09	8954	30327	18148	3769
0.01069928	2.65417525244059e-10	4767	17667	8954	1759

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0.113523412	0.016369891	3726	56147	31737	25649
9.04075997543012e-08	1.46202390776932e-08	2080	12331	1131	4234
0.08770205	0.002726928	1014	5659	1383	4078
0.013994702	0.524168028	2648	2013	321	762
0.283292596	0.640698115	48595	102924	27445	16595
0.084539718	0.654472669	3824	20273	2833	1746
0.686040694	0.367049128	22	111	49	23
0.000327922	0.007632793	3931	14667	2650	3313
0.004996654	0.018708662	10286	24147	5046	10362
0.029852987	0.123409224	2659	5429	1844	2354
0.597907942	0.721053076	2691	6748	2391	3496
0.800679289	0.939233082	1654	3020	1449	1755
0.304147804	0.241266522	359	5876	775	679
0.484379254	0.981324843	62	351	103	97
0.476975615	0.089205665	3324	14181	8046	3237
0.336477552	0.140716947	3348	5894	4311	2360
0.073110054	0.828370238	567	1484	947	1067
0.122394309	0.068503756	997	2330	306	538
0.4588587	0.024907863	7850	4292	1796	2152
0.451773613	0.542934143	22817	13953	13796	7213
7.76188742912917e-05	2.10442479076728e-07	5632	8172	9230	2524
0.009206297	0.00201113	4601	23856	3341	10200
0.016021821	0.000376328	3418	17314	3326	10205
0.436371758	0.005839422	4781	42821	9585	2861
0.022730418	0.448877793	633	6346	1715	1046
0.159260737	0.003515212	3887	9967	5871	2942
0.247165042	0.060502708	25	179	50	55
0.383318236	0.951452276	1426	10299	2706	2582
0.945704763	0.580639491	7118	17826	7888	9921
0.156823364	0.378506097	120	1266	243	333
0.193185683	0.602959313	162	4340	365	913
0.875844994	0.792198453	489	1288	713	573
1.89299891151059e-06	0.00331359	563	7276	2611	5611
0.565492606	0.881468668	150	5156	2156	2033
0.162241273	0.718746533	1344	5194	3051	1197
0.866860665	0.021440439	2625	53306	15105	4057
0.857446102	0.29983608	14840	82997	28628	9265
0.937046217	0.910069007	44149	202911	48576	24666
0.007924461	0.045587351	8357	8346	7618	2645
0.304626898	0.508115254	4843	44674	8337	10238
0.009644444	0.84708809	4258	2290	1410	1438
0.476805013	0.59114162	3960	3368	1187	1631
3.55807544425389e-08	0.099894305	17313	471521	70458	84848
2.75190974300222e-09	0.156008542	6806	198682	16517	32189
1.04773912122517e-06	0.082018042	2085	139022	23950	47491
9.22597076630557e-08	0.003416668	906	106660	8111	47607
0.016027183	0.128349668	155	8190	469	1039
0.003599307	0.965876907	2279	68587	9766	8343
0.01966465	0.808879963	258	12976	1365	1327
0.071273729	0.63333253	915	22326	4045	3533
0.103120995	0.125659852	162	527	251	169
0.007623719	0.022440687	1923	3120	1946	1490
0.028414823	0.037957328	1758	3538	1835	1438
0.704256165	0.128855023	772	3146	901	573
0.902499265	0.040306941	4817	12464	4167	1818

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0.307965924	0.00848597	13476	17082	11070	3484
0.585590972	0.904382031	101219	285611	152370	117038
0.293509725	0.00348371	10883	57416	19757	25058
0.612049182	0.016369891	14634	40354	29868	29859
0.686718768	0.089852873	3012	4711	2074	2152
0.495105677	0.090695183	5364	8183	4484	5147
0.001540341	0.001598373	2922	5293	1487	2599
0.003949409	0.013167105	1388	7952	1911	3173
0.148144	0.067967683	31	360	68	109
0.008824385	1.45509097143202e-08	881	6560	582	3237
0.500587261	0.690563481	19	154	67	69
0.001953002	0.028139689	44554	100584	15481	7028
0.94820854	0.000281377	2543	14640	5504	1946
0.270343944	0.000392035	6912	32957	13196	5470
0.016402626	0.938633188	8482	105921	26047	10754
0.083551305	0.851503682	88428	1062876	215038	87881
0.917114095	0.003357298	39712	180057	114898	19410
0.504557209	0.821675282	63	196	112	171
0.270461056	0.064845782	2	22	17	22
0.483220827	0.050585829	1175	1953	750	799
0.297926074	0.028682773	428	1298	363	487
0.458444976	0.001261254	646	1134	538	575
0.258870604	0.000144622	1989	1875	1072	1344
0.030284239	0.00025282	2258	3872	2858	1229
0.09775598	1.77092100704339e-05	3539	7969	4089	1284
0.444830752	0.002835231	122	930	424	287
0.686718768	0.682341583	4247	10434	5607	4338
0.155780525	0.000962044	1464	7251	3232	4118
0.853329912	0.120158743	22835	21047	16544	12227
0.355290307	0.000758162	5458	12883	4232	1855
0.001481307	5.63202225105499e-05	1274	1955	1424	472
0.001606579	0.00038367	265	1089	590	257
0.000199786	2.60798561894455e-06	7162	17914	20230	5481
0.670888409	0.233592483	2525	7315	1128	1394
0.000340576	2.27211550988858e-07	639	4766	303	1602
0.864539549	0.434454231	1884	12753	2645	1948
0.574988028	0.312713112	187	1032	414	634
0.825916171	0.023830995	133	696	249	618
0.029498811	0.059292838	111685	55191	3017	8163
0.17995046	0.001646162	52595	119490	25854	82185
0.304147804	0.000406182	79	255	40	224
0.521127556	0.132098864	13746	32234	11418	13390
0.021599197	1.47614838817341e-05	68	181	94	186
0.004871161	0.000146042	387	3154	544	1657
0.005894518	0.046480557	2699	7475	1467	2580
0.304248143	0.803585858	462	1596	531	609
0.306780169	0.02203704	18360	28226	16172	10064
0.080875223	0.16298089	0	1	1	0
0.997304145	0.234472097	24515	26039	23157	12555
0.269769052	0.364113546	30065	39118	30085	17694
0.297926074	0.045763806	12187	39076	9795	4346
0.691533618	2.40595112008521e-05	7731	13790	7108	2184
0.468898889	4.88897435170038e-06	2469	5337	1639	692
0.112229479	0.000406323	3245	7984	3945	1836
0.033084877	1.39531399371267e-08	46684	67791	19766	79697

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0.346433338	0.949260474	9	115	27	24
0.171967656	0.055847514	16165	28994	7579	12975
0.087747833	0.081029743	7241	19351	3825	6587
0.112293154	0.015977184	9933	35024	7071	13089
3.39987170105315e-07	1.69113040507709e-18	30044	65062	6708	149711
0.722718584	0.977133609	3948	6674	2228	1818
0.583925844	0.00331359	10224	75226	34648	37942
0.737061195	1	24621	487828	236350	157170
0.956084223	0.369997253	164312	518446	169506	120936
0.625477309	0.959825583	83215	221880	60366	75346
0.683380565	0.407868124	124674	219656	64033	149672
0.534390843	0.486307057	133891	315199	57996	148080
0.422791218	0.351276226	112240	211831	27636	77644
0.001307159	0.097663378	9553	35777	7575	10922
0.100784499	0.57901301	4103	25656	2965	5573
0.107218144	0.003341442	8695	28532	11601	26913
0.526635728	0.035834759	19128	65553	28869	53375
1	0.049976098	2810	10801	5485	11178
0.077078361	0.00669433	543	2266	2466	407
0.030099802	0.000776052	358	1655	1684	291
0.001579907	2.20270953993178e-06	823	5580	10752	1094
0.870828156	0.019596568	18	82	97	114
1	0.001063438	366	1023	683	1879
0.113405429	0.049619656	1080	3366	1739	2912
0.127005078	0.000564817	9434	47996	49445	101954
0.008863487	0.988878132	625	1509	745	869
0.025933131	0.742102329	714	1244	819	678
0.126548341	0.006548865	61	387	274	140
0.734253112	0.174602643	11284	214937	42773	25757
0.032103652	0.017798759	467	1950	494	920
0.16504369	0.031872258	1199	2788	1030	1645
0.147018562	0.232949761	905	2269	576	606
0.840997445	0.96346472	14	284	16	47
0.762967545	0.757390782	895	3188	887	2145
5.29090024827501e-08	0.013556429	98	4158	160	497
0.090471977	0.000159684	1752	5857	415	3005
7.07071234700836e-13	7.18983204483164e-08	1206	29876	1766	6220
2.43352048462041e-09	1.40291283855023e-05	972	8168	629	2211
0.066912569	0.644104774	634	6665	4115	1365
0.000471127	4.99902688158187e-06	281	3841	399	1541
0.089615219	0.02264317	984	2872	746	1382
0.032120079	0.012107396	3197	13404	2757	2675
0.024129108	5.85579193781987e-14	15184	17062	3369	21470
0.434702128	0.723035809	19790	15181	4841	3474
0.895103665	0.112309961	30117	31348	13002	5686
0.462522024	0.361361062	692	399	681	209
0.421386778	0.023522461	2161	2520	1718	775
0.955035378	0.978094926	191	191	183	134
0.98371695	0.440031059	1155	2201	1974	989
0.367617301	0.941859873	368	1339	355	317
1.22918280722283e-13	3.75369683434358e-06	8212	60704	3640	9871
3.19670568477938e-11	1.24209939916502e-05	3122	21216	1269	3088
4.09290463501999e-12	3.89916785151767e-05	4956	54806	2679	6343
0.959458097	0.037357045	10813	63983	5193	33942
0.083638453	0.29597865	955	4080	2955	4420

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0.880062109	0.17235722	30425	56316	33111	24023
0.612049182	0.484550653	32182	56304	33822	22617
0.203542969	0.731940774	12971	20143	18164	10204
0.113007069	0.407868124	13646	13570	17253	10368
0.305209913	0.659898024	24651	31615	32359	20637
0.797021724	0.19252766	6	50	21	27
2.47264491190799e-05	0.004565654	64	1296	38	208
0.011484993	6.00241404723644e-07	1844	3600	1009	2489
0.991810787	0.009610193	3238	3516	2193	3429
0.037476631	0.337294702	171	281	245	314
0.005748452	0.000821141	2841	4344	2317	1078
0.000461855	0.00055222	1184	1676	968	574
0.002256302	0.068584521	6503	4484	3555	2794
0.002806753	0.166342892	12487	52991	5921	11869
0.144145784	0.486307057	1352	2510	861	653
0.110862469	0.519945881	75	2021	210	435
0.001995413	1.20922109577632e-09	2298	4856	3712	656
1.23073821582544e-05	4.16579822020751e-12	2188	3337	2151	415
1.54439800416117e-06	3.71127289515309e-10	15962	8543	9903	1852
1	0.623256393	67	383	295	129
0.532242472	0.010980059	1318	4313	3364	908
0.170620873	0.002700747	19560	48176	40650	8405
0.001730245	5.63595699585627e-05	4991	14484	22842	2884
0.000181219	2.01278071982712e-05	5571	9528	20799	1770
0.001128924	2.01278071982712e-05	12194	17301	40811	4919
0.037389843	0.022440687	5303	34424	6390	12818
0.993752888	0.223493239	1523	3030	1840	962
6.61897572860418e-05	0.064818959	7630	42252	5745	6589
0.005894518	1.89663503144191e-07	16414	39508	10602	30036
0.213416789	0.000480439	1078	6609	1187	2233
0.176173357	0.000699304	57240	57731	65381	15223
0.058287969	0.113345237	3996	4196	2039	1895
0.122394309	0.117545069	1863	144864	13700	8451
0.052407474	0.02094373	1698	45132	6448	2283
0.04694869	0.034338064	236	1944	405	541
0.746886451	0.791753545	8310	8718	7746	5287
0.794919267	0.209943867	212	1197	670	313
0.499531545	0.085439452	4408	9446	5407	3420
0.732175001	0.091707186	1808	6625	3371	2538
0.389317559	0.037009408	1440	6471	2470	1542
0.367088544	0.0322727	3935	8691	5118	2971
0.607963111	0.110400503	4277	34344	4464	3759
0.873767621	0.000544364	220	1347	296	91
0.805611607	0.129537977	9250	24854	7593	7957
0.245776298	0.802653963	1927	12388	3223	1365
0.001143035	2.49936743855947e-14	17512	60686	4283	79674
0.464200515	0.349613744	49899	49061	7118	12917
0.672848788	0.766914512	98445	96243	15377	18941
0.729607049	0.600136786	160	622	89	96
0.733326969	0.955037649	1290	4470	848	919
0.712598343	0.005002501	5006	4501	2131	3992
0.808878016	0.014354031	5420	6997	2672	5209
0.001242342	4.79120152201242e-08	72332	103551	10781	55282
0.180945729	0.391281092	821	14526	1700	1830
0.800679289	0.121489973	1567	10566	3677	2088

Sheet1

0.161908719	0.042344363	844	3009	2060	971
1	0.962832083	16034	37250	12192	11251
0.02282894	0.407868124	17777	28517	20991	13964
0.312788778	0.081169496	87963	140740	25481	46056
0.55579024	0.005062903	435	2298	782	402
0.881431154	0.082077208	40477	35566	19183	44635
0.79821494	0.01236847	5734	15322	2830	7201
0.00357022	0.000985684	1555	16706	937	4575
0.079550019	0.000137914	391	2749	661	2291
9.52120014430389e-13	1.73446325726896e-19	29304	646109	26519	1429943
0.119947064	0.817587032	71	390	152	248
0.408429485	0.000871471	248	888	577	2564
0.761886228	0.012934919	104	858	363	633
0.803735242	0.727019783	94	763	195	489
0.98371695	0.625210565	218	666	380	418
0.274155008	0.543414463	960	1907	423	554
1.43234326062351e-07	9.40733759292741e-05	13090	5508	6480	4246
1.0085591564636e-05	0.000507219	30336	16916	8197	7256
0.074076452	0.008145472	337	2005	345	231
0.006964389	0.54914142	1350	3481	700	984
0.074746932	1	3371	7537	1287	1225
0.063110996	0.950476496	4023	11288	1615	1292
0.007886057	0.66091741	1363	13922	2473	1800
0.004758022	0.463130313	6370	108255	22521	13479
8.58339125684895e-05	0.010361079	279	5526	600	1121
0.798635467	0.778107467	119	781	275	425
0.865778008	0.559608249	153	766	408	493
0.534286426	0.176452496	268	1333	493	1095
0.293325061	0.064845782	423	1612	578	1073
0.68032492	0.415831808	19438	72101	19523	10238
8.76177548689869e-05	0.284195012	64304	470259	68120	107774
1.77822892391403e-06	5.36547333068829e-11	43614	230813	18033	148786
0.150326543	0.292931599	352	906	733	855
0.163028078	0.949260474	7648	5969	3859	4117
0.01216172	9.14150031456016e-06	8674	15301	3084	8519
0.009359673	4.35077321774749e-05	2717	8280	1228	2980
0.423943252	0.696440242	2146	3341	779	571
0.002305696	0.01268828	4101	8695	1169	2025
0.002493401	0.012464576	9975	18410	3117	5207
0.041816221	0.105357951	17397	30495	7522	7937
0.400914187	0.762785155	3341	7223	2216	2275
0.54508368	0.904382031	10274	23878	8965	7695
0.592714571	0.98893218	39755	33350	23274	19956
0.703913433	0.893113412	38886	88428	29154	20079
0.089615219	0.098012888	4624	32154	3995	3256
1.1020791057641e-05	0.003929351	3015	13498	1240	2186
0.005734407	0.280695912	708	4025	763	1042
0.022730418	0.42367212	19309	83287	8255	3703
0.508464656	0.534090626	1176	5161	1155	1196
0.711889084	0.676039939	10672	36332	11183	10824
0.02876338	0.507977513	7589	38119	10440	6777
0.799460616	0.623628853	5509	15504	6814	5012
0.221586672	0.174408154	17123	85369	30964	14119
0.436371758	0.014527522	2637	11472	3771	8257
0.072123819	0.05021819	6927	21733	14812	10741

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0.238089501	0.734012532	3218	32921	5224	6705
0.784961472	0.420330528	13214	14760	4625	4805
0.165822234	0.112664454	131	4648	3806	4734
9.79325396505017e-08	2.85552086648582e-05	4125	24867	960	7050
0.518408799	0.011116574	14373	4507	2337	4717
0.630802935	0.171289448	1229	6035	3211	5011
0.492507714	0.091096291	1325	9238	4165	6149
0.376097692	0.120560617	0	99	27	22
0.746179667	0.197776071	35	104	56	125
0.283292596	0.109464378	316	1173	408	567
0.031968967	0.000104387	218	391	137	401
0.093062458	0.00666367	126	565	202	316
0.00230653	0.519753749	29	3102	446	369
0.094113121	0.043062214	329	2815	1109	246
0.902125595	0.000638449	5864	16833	9076	1898
0.978919204	0.075224223	87	2316	6629	936
0.036973425	0.416099166	967	3022	2659	2912
0.394030584	0.070327819	58	235	38	56
0.127752566	0.139015282	85	1047	107	183
0.017049471	1.16069504387065e-07	618	3054	692	2589
0.255718578	0.151958145	6268	18292	4192	3556
0.978581348	0.051634121	468	991	369	1010
0.255718578	0.122475633	4107	6098	3027	6383
0.002994863	0.773109009	8664	9390	10440	12406
0.009810333	0.112309961	8183	5336	7694	14037
0.457235354	0.583896993	15573	20603	6804	8582
0.233437273	0.893007044	251	2125	1286	903
0.131570071	0.519945881	2205	10597	16690	6865
0.000986559	0.870723755	1546	6287	15371	4373
2.40206692434023e-14	5.91501720200123e-07	6525	89642	5121	15953
0.000142491	0.000157339	362	4419	615	2731
5.40794561087926e-14	2.42507981860096e-17	386	16812	1092	7474
0.170224593	0.029700684	1	23	5	13
0.494572103	0.113345237	14917	497055	282828	130869
0.947311593	0.086689318	620	5065	1337	922
0.012392437	0.02508563	982	16351	1721	3103
0.017049471	0.031759298	9070	71640	17978	24281
0.000782676	0.323224971	3683	5606	9485	7171
0.350743382	0.011746557	885	7818	498	749
0.441518833	0.008057366	22571	95951	15320	13196
0.184507589	0.000822836	45254	167762	28921	22741
0.074076452	0.020230264	308929	461748	422479	130126
0.65079543	0.482590015	42	239	72	160
3.95656995197742e-05	1.57196134779658e-05	8852	125784	28591	50253
0.08353422	0.056105984	22072	26910	3491	8056
0.003479985	0.006331759	14231	40077	4148	5469
0.012313676	0.012853887	28014	49625	5474	10369
0.054638815	0.035789652	6658	8706	1358	2479
0.008987075	0.044422493	2805	9781	730	1142
0.028043566	0.006457616	10407	16878	2976	5027
0.04318003	0.000729144	18825	33016	5951	12761
0.083638453	1.58949542335839e-05	7737	11082	2209	6991
0.231205576	4.73306034242398e-06	7264	6923	2398	8063
0.130563534	3.85321456163999e-07	5433	6541	2217	6966
0.046379559	6.14526665173738e-09	13311	24882	7189	32992

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0.009530457	1.05526380618748e-09	7132	21545	4971	20226
3.5613126554316e-09	8.6626808204313e-07	1034	4599	2108	2852
2.80493250319651e-09	4.79147697793224e-07	5390	16727	8242	8295
6.34878075579643e-09	2.46772867406498e-07	2503	8106	3846	4079
0.46953405	0.614258375	4	144	53	66
0.253949837	0.415078921	223	1383	333	498
0.655198054	0.063798174	10354	70549	18626	7727
0.909229345	0.027089474	4883	17836	4788	2572
0.798974628	0.712311353	6703	17588	5332	4474
0.833637403	0.218321551	18749	50591	10823	7806
0.58804628	0.463326866	96875	175124	59059	43238
0.884852031	0.939233082	57	1358	317	302
0.151976683	4.99902688158187e-06	4292	32286	6103	56868
0.368596266	0.00012655	4468	19901	5747	82140
0.298011789	0.000239429	6914	25818	9575	37842
0.370096829	0.035629526	28177	48829	12880	25120
0.186461437	0.021333531	1705	4840	944	2569
0.364483995	0.013556429	271	1312	207	747
0.729607049	0.740136899	15747	15732	5218	7160
0.003804393	1.47739294721217e-06	19653	67713	13116	44866
0.268740059	0.415794017	116731	134183	112251	49811
0.393434964	0.498363446	117563	143635	99957	55271
0.376025651	0.483545337	207323	267542	168685	91935
0.07285198	0.229978849	194782	233607	153571	90939
0.440226537	0.099220442	2598	5802	2812	1267
0.022960806	0.000190692	7322	7099	5569	3028
0.051109356	9.65977432870037e-05	6850	8458	6038	2373
0.001133369	1.46613864552924e-05	5328	4020	5379	1824
0.00893422	1.29196133930318e-05	4635	4635	6463	2339
0.030760708	1.94512632143706e-05	5045	7236	9394	3008
0.704824247	0.631517177	38086	144128	74286	68478
1.86327540623569e-06	9.03271631527142e-06	5775	30370	2080	15305
0.829317796	0.001052924	506	1134	612	1955
0.503356006	0.562961545	1483	2903	722	1141
0.456251473	0.521306502	16725	60062	10204	5962
0.599041035	0.042926378	207	2531	336	309
9.29535130135256e-05	1.81540943003586e-05	29268	37132	72701	10131
0.069186682	0.435890073	491	4797	509	447
0.173894027	0.130823298	3056	24284	5068	4985
0.000113989	0.400793758	3380	14200	1458	2597
0.228919204	0.006178467	7928	8427	5837	3083
0.167458526	0.556891576	42124	60181	18453	10471
0.44786095	0.000822836	4895	51490	20181	3829
0.829296591	0.046434021	5232	44065	10795	8111
0.980987005	0.218305885	17143	55861	25566	18776
0.190568683	0.003096175	19	354	90	34
0.090984714	4.93861482497856e-05	9468	36655	7919	27294
0.026494163	0.000683498	1486	10139	979	2757
0.654999542	0.997264522	3316	9143	3933	3727
0.923472484	0.131128368	381	2840	518	390
0.510928172	0.004660406	106	648	131	93
0.78807381	0.3117896	4386	12434	3393	2388
0.861705437	0.631517177	2755	6736	1880	1673
0.001710175	0.144085105	857	2140	1333	1228
0.074674558	0.358169584	30538	62500	87420	33430

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0.052256052	0.250798576	15484	24898	28539	9910
0.952034992	0.004668531	483	2661	1260	2866
0.009862464	0.792198453	1656	3779	2833	2297
0.367617301	0.867800427	267	434	234	243
0.172054567	0.659455229	472	1009	383	373
0.146049041	0.761036908	229	610	241	259
0.051230948	0.98816932	141	232	305	238
0.150326543	0.193537137	22	79	40	30
0.0305283	0.55361532	74	351	175	155
0.317276838	0.199897892	36	207	152	60
0.116510659	0.997264522	0	19	6	26
0.157338695	0.217598946	7302	20882	5653	3466
0.96729109	0.549922226	7840	5708	3177	3244
0.75201393	0.544461082	15541	24363	8550	9437
0.107528718	0.051364429	2995	2702	2355	842
0.675951518	0.070327819	1878	8967	2096	1183
0.129115494	0.002629368	1724	7172	1334	2350
0.486455671	0.156367257	9967	17218	9962	9894
0.072893276	0.49837504	18722	31752	19417	21634
0.308451156	9.15943691486699e-08	4372	28678	3199	21721
0.430453	0.009601207	63	119	122	395
0.001909148	8.91733049854987e-13	3824	14378	3722	16346
0.001500829	0.769170458	22215	56025	5245	5346
0.031075612	0.792417763	63715	232555	21617	22507
0.658508159	0.024907863	5907	44047	3062	3888
2.50950669496518e-05	2.9051246283643e-10	4570	28742	4735	24747
0.000109305	8.99834555050179e-10	2886	22976	3001	13962
0.004012456	1.35824995298731e-07	1992	18076	3058	11541
0.695863315	1	10	80	28	34
0.000583827	0.391281092	911	85298	16243	36193
0.287053775	0.711244491	2	7	3	3
3.70782779546988e-27	0.044197921	347	31888	673	735
0.002215205	0.040755469	955	6190	1385	3202
1.12392501364674e-05	0.856290311	351	43861	4343	9512
1.24879802151456e-07	0.721053076	304	69146	3676	5526
2.94747288907058e-07	0.500659093	63	1036	276	261
0.255718578	0.042882923	677	4225	1134	368
0.408800009	0.000303796	1680	9184	2831	705
0.009530457	2.48179321008617e-11	9824	187731	18658	5401
0.008054642	0.57641854	33	544	95	67
0.014660739	0.867735515	140	1525	282	141
3.13800223657824e-06	0.000344207	190	3572	284	1242
7.2400774262709e-07	0.000104387	138	2044	273	733
1.69493505295926e-06	0.000271588	194	4254	548	1283
0.027305282	0.584833993	2708	15606	877	900
0.307801411	0.89939522	1413	6319	931	935
0.379859146	0.072432606	1955	9264	1368	2853
0.084539718	0.002797926	1323	11461	3160	962
0.143365384	0.407868124	923	8676	646	615
0.098296125	5.60973775836599e-08	872	2420	1396	326
1.04236907908257e-41	8.47244528718021e-37	108	362	80216	263
5.55253106994393e-47	1.11288594493701e-41	40	209	26295	113
0.856172678	0.357663636	2784	7510	5141	3416
0.549583664	0.114140457	4557	11972	2606	4502
0.000278427	2.32682480819153e-11	1120	6922	687	5007

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3.31044402284106e-05	2.9473499653716e-16	10254	36520	4582	45327
0.440226537	0.000216989	14956	100834	30476	5711
0.780806181	0.000415906	38383	158845	87788	10097
0.1652753	5.09760690435722e-07	2358	21470	8496	1216
2.44310213191994e-05	8.56454854230514e-09	26991	45564	53652	9754
1.54974594155027e-15	1.99527604560355e-15	2266	2980	7496	1162
2.807830880475e-19	4.2425609484778e-18	7771	6677	23981	2907
8.51040468665196e-14	1.66872472214429e-13	11417	10535	29886	3735
0.767253869	0.005754266	34118	77541	41572	14591
0.79821494	0.046434021	138716	188662	110341	42973
0.000723918	4.0150352530024e-06	3020	10135	2847	5523
0.02541146	0.0947613	8436	52983	15153	24079
0.071273729	0.402453227	7033	56268	10532	11760
0.000241735	0.201652984	1083	18730	1523	2338
0.362284848	0.271233805	6402	36211	17310	19898
0.095236707	0.616573267	63486	285525	90864	68389
6.22724549756572e-09	0.020105439	27543	1024178	35247	98717
1.95282833035119e-06	0.000527643	2599	12272	1037	4582
0.172435897	0.005002501	5301	9761	9822	4663
0.236157519	1.62689179058444e-05	5179	19446	12249	3468
0.044385091	0.031218492	493	1493	592	487
0.030284239	0.744010329	257	1047	877	669
0.001573557	0.224504569	490	1056	1776	627
9.99969590266376e-05	0.074334585	770	2238	3265	1296
0.000112286	0.039290801	302	865	1008	699
0.000401011	0.052499106	1991	6591	10115	3844
0.012392437	0.489933674	726	2034	4578	1490
0.090984714	0.81179541	602	1650	4559	732
0.554849732	0.152950615	159	1834	1142	599
0.416847512	0.274266847	4320	8582	3435	2713
0.00317725	0.000383312	11935	42110	5099	11540
0.031431346	0.692988692	19598	131582	25419	21658
0.22943895	0.155253614	625	9105	1097	624
0.031431346	0.001317453	6517	12438	3326	6560
0.421386778	0.509253128	15059	23196	12647	14350
0.122721081	0.011133847	1048	6855	7750	1318
0.825161958	0.207398397	335	2003	204	1183
0.930367592	0.858152071	2436	15524	6114	4884
0.953222246	0.080562602	16993	54549	30396	11835
0.343143204	0.000103424	13595	49263	24964	6811
0.00771667	2.78146935596522e-07	12151	36975	24612	5991
5.2463699958887e-05	7.79951263573309e-07	10907	18572	23547	5634
3.10903339492408e-06	8.8326355168492e-08	19741	29405	46026	9315
0.391259368	0.921809735	5774	16995	3665	3580
0.024129108	0.709514372	3658	15001	4255	2494
0.023908835	0.67174528	4971	15126	3428	2689
0.172413897	0.867800427	1727	44510	3202	3508
0.054694121	0.093500704	12009	14556	12169	5108
0.000423375	0.00111176	31080	40502	54816	12256
0.313207523	0.030246955	5025	14799	3178	4816
9.74800620434519e-05	0.000161418	3644	3926	2232	1948
6.82460553122222e-05	7.45768795346518e-05	14833	12516	7010	4758
7.59865743948085e-06	0.000111413	20223	10344	6834	5388
1.9024676938962e-05	4.05572342812396e-05	13746	9180	6709	4131
0.060424659	0.128855023	2	27	23	21

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0.492694276	0.012793346	1888	12630	2004	1082
0.508235624	0.041345094	2556	3747	3114	1057
0.000142737	0.006771758	14205	14774	15398	6285
1.08192298877994e-05	0.029688244	2289	2202	3288	1693
0.713652083	0.112512985	2939	5259	4879	10228
0.781170729	0.117104821	17590	31449	19428	25680
0.52486898	0.267430108	1134	8312	2267	1155
0.022207102	0.063670864	2897	4112	4960	1717
0.000650669	0.293371517	10112	7437	17296	5560
0.463049938	0.192989533	4103	21189	14001	6296
0.913594782	0.905961615	1998	9155	2637	2983
0.93679768	0.032344516	6405	17604	5959	2740
0.719503315	0.008079775	8486	16119	8464	3051
0.746886451	0.911297418	69568	101237	17948	18576
0.883447471	0.631541074	46788	45798	12279	19893
0.977305634	0.137552653	353	3226	1300	1622
0.209930624	0.044383062	354	3338	980	1373
0.078773433	0.262298364	114	1027	568	752
0.057183061	0.026794668	25881	58164	46673	21466
0.012630053	0.003236115	13200	30754	28485	9813
0.423971317	0.0896487	5579	14675	8232	4185
0.377880506	0.745614681	15418	15752	11139	7281
0.098064867	0.319759959	32715	45920	29684	15469
0.040140909	0.032686865	39147	44559	30644	16951
0.055149768	0.126903819	109	156	153	146
5.4816073465033e-05	0.009505467	7895	25178	4737	12841
0.000275649	0.040586948	68132	200181	55604	63857
0.000102462	0.090118241	4816	4604	4729	2771
5.27401582501162e-06	0.121526701	12369	5529	12010	5355
0.143660436	0.000236259	1772	8452	4686	1449
0.053865461	0.001002884	1432	6996	5962	2338
0.971584175	0.575478219	9196	23466	10063	8284
0.380564883	0.889638732	24649	45199	18263	16582
0.625477309	0.166793119	18734	59557	28839	40807
0.005947189	0.706518533	9280	13364	16738	6782
0.001340625	0.426963686	34931	30309	38878	16888
8.40596335582173e-05	0.197019018	3622	4302	5384	2587
2.07152018626636e-05	0.139015282	6068	7033	6972	3765
4.29705319229689e-05	0.023590043	45684	58006	56322	24855
0.65079543	0.513129156	5800	13609	4453	5930
0.64330564	0.521306502	6172	6432	4671	3134
0.051985205	0.012347312	3464	9604	1762	3781
0.755915319	0.046090656	8842	22639	16892	9382
0.963497844	0.171325921	43136	130377	72104	29578
0.610340482	0.711667123	48337	74411	40373	27459
0.000180126	0.02312156	22748	24835	22456	14823
0.000607092	0.000977972	866	2401	1766	805
6.94636055587458e-08	0.003096785	1074	1769	2602	1988
7.22890302257568e-11	4.12015405934059e-05	2527	2344	4347	1949
8.85778922019018e-10	0.00067198	1527	1780	2860	1757
0.108241357	0.151127063	10902	29928	13132	8717
0.176624223	0.035856677	4013	14106	8163	2924
0.243344554	0.049619656	3365	15828	5137	2493
0.779778561	0.001155281	4024	8382	2295	5852
7.42697998070746e-05	2.93172928216233e-06	144469	549807	134513	155510

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0.005231068	0.013556429	83813	361602	154485	210980
0.080986657	0.257152049	261	1684	408	1145
0.857671324	0.004368307	4192	17597	8864	3626
0.226138039	0.347121143	26942	122023	71927	31477
0.008586987	0.003667998	3727	26191	16096	5102
0.674796206	0.107139425	333	1108	1041	384
0.705104317	0.515394978	12174	44182	21021	14078
0.686040694	0.050625084	2655	12554	5874	2733
0.588299519	0.144085105	5363	24973	7715	4526
0.000210848	1.77092100704339e-05	11922	17865	16366	5422
1.28155367029242e-07	3.1590511689454e-08	11614	12845	25152	4709
6.72084588408848e-07	1.05008452426975e-07	1908	1693	2474	685
0.216938169	0.091135761	68340	97352	3934	1949
0.394030584	0.550535588	55673	22736	5692	7595
0.498700441	0.000749138	70325	218652	68196	175546
0.142618944	0.938795299	1564	4285	1000	808
0.018086684	0.407903623	1327	10726	2533	1495
0.034993716	0.441209851	157	1658	501	144
0.001069641	0.000421864	15127	43393	7405	12238
0.251663598	0.526557876	8540	18637	8892	6774
0.337358793	0.185347073	6426	17970	8993	5244
0.003479985	0.608571801	11046	39551	24093	3840
0.043816223	0.214649854	72265	246374	246145	20103
0.028459536	0.698050861	125	671	895	170
0.707139001	0.830906747	17	163	114	99
0.920540434	0.125969994	11	294	207	58
0.912588109	0.010151654	32	286	164	46
0.859036289	0.384831307	64	549	120	148
0.275932343	0.525124433	8	55	29	14
0.010938486	0.006320534	11	73	21	62
0.026268414	0.029657853	25	142	32	87
0.131397767	0.656340673	47	301	83	141
0.086250889	0.000287785	68	548	187	59
0.076469563	0.80015385	2	13	4	11
0.343143204	0.995336712	0	0	2	3
0.330369549	0.595915699	3	41	33	19
0.000720123	0.433668251	13	642	33	50
0.126184516	0.048349545	365	5878	1359	577
0.005061914	0.258523053	83	1112	334	63
0.036623139	0.040515632	85	1838	445	91
0.931489021	0.049619656	15	456	180	91
0.145677057	0.000117453	522	2953	1165	2086
0.919357036	0.825841256	15522	12792	5565	3890
0.005840072	1.05626755988373e-06	233	7710	885	1826
0.001920082	6.99745764981969e-08	198	6249	564	1393
0.063915615	0.000695671	1407	14216	2721	3086
0.069111937	6.86380704504694e-05	3537	25430	6143	6672
0.820259356	0.090950303	76	1329	139	124
0.009098134	8.1260671927649e-05	2290	2461	5393	753
3.62021319395161e-07	0.00020502	6879	70212	12328	8636
0.338020228	0.077118131	619	4604	724	426
6.73815734410381e-06	1.02975395476062e-05	734	3734	679	3060
3.65599664404317e-06	0.000878912	10451	41115	9371	13036
7.19103427747109e-08	0.000561905	2327	27785	1871	3301
3.61905313016429e-11	1.80769004583095e-05	1606	23347	2281	4314

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2.10593857067697e-07	0.058748976	5039	25258	4260	3885
0.032277068	0.132912375	201	1329	153	178
0.602299859	0.129537977	14	28	13	43
0.001147302	0.929392361	6054	42759	4262	5790
0.002552067	4.55565964496384e-05	77791	264370	34847	151137
0.605189997	0.624962834	4307	27190	5094	11873
0.005276343	0.000392035	352	5725	1498	1655
0.601320919	0.155098104	13932	13520	10862	3956
4.4063286037654e-09	2.76150534121495e-15	21	1187	73	985
0.677782085	0.274833276	44406	48428	39552	12493
1.36554866202901e-08	1.33191056804535e-09	25266	130279	31694	39014
1.30423288650359e-20	8.35581594907921e-25	358	23167	870	7696
2.92726747566625e-10	4.68038157496419e-15	1564	21846	3479	10836
0.000540567	1.89477413236914e-05	61040	308781	56005	128544
0.368596266	0.003484774	9899	28734	27612	6990
0.899531242	0.549064862	2	27	29	18
0.092519054	0.276793554	1540	4192	2338	1959
0.388298496	0.260757329	3584	7518	6835	7011
0.046965033	0.81179541	12881	23452	24396	15768
0.000102462	1.00563925174244e-05	1351	6571	8281	2870
0.762662826	0.288552699	35765	49543	10948	14553
0.422791218	0.778921973	6649	26778	11830	9014
0.145297075	0.271836679	1645	2976	2150	1207
0.319535593	0.233527207	1097	12194	1597	1540
0.000350807	2.29250731522024e-07	30319	36885	38050	8314
1.90617609661812e-06	2.88251499206691e-09	16525	24023	34053	5524
0.394030584	0.554485298	3	43	21	25
0.159590004	0.012034238	7238	28349	14169	4719
0.000528493	0.010941833	1541	6104	602	1057
0.234731879	0.93742344	571	885	148	143
0.250843881	0.658995503	2813	13641	1773	1852
0.035323451	0.974836831	7426	47408	17087	9754
0.000723249	1.08125886345314e-05	3885	15831	2798	5898
0.673947756	0.626230742	5996	16962	6286	4460
0.152550542	0.284055362	87	1417	136	234
3.35134239715063e-19	3.19335306959496e-24	5893	183549	13260	93774
5.75678459814795e-05	0.037348779	1583	12004	1304	3693
3.1219565535092e-09	1.62017697108003e-17	9526	82304	11758	72347
0.812332723	0.623628853	2255	2452	740	782
0.529651435	0.526748988	302	624	415	373
0.672848788	0.357663636	330	835	506	508
0.563596403	0.513974897	100	381	172	146
0.281744786	0.484550653	321	542	402	386
0.195461847	0.354905919	583	1060	1057	1047
0.191736097	0.013758851	234	1166	572	695
0.750114255	0.061659218	14460	19775	4141	11941
0.393434964	0.308499814	14081	20658	5645	11119
0.015550998	0.038257617	1861	4913	2537	2147
0.292618539	0.01036837	3386	9417	3445	4907
0.526964792	0.862076488	369	2112	886	941
0.233690561	0.389235617	279	1080	849	650
0.23371602	0.519945881	234	1091	833	496
0.307226618	0.616783925	189	1137	624	458
0.83056693	0.904297487	3	33	7	12
0.075423117	0.164524782	44	1334	93	356

Sheet1

0.143445891	0.150378235	1897	6285	2031	2497
1.76469973984969e-06	3.82103947678613e-06	2918	4717	22437	1554
1.17874211807238e-08	2.70834825236526e-10	1617	2944	13032	539
3.2038311081142e-09	1.49981765148004e-09	1172	1782	8226	373
2.20334093802623e-07	4.12289102152021e-07	1054	2218	10588	601
2.18495003102607e-06	2.24785888856251e-06	124	140	849	46
2.40700936744365e-06	3.51976529861253e-07	9387	7412	68727	1574
0.892893022	0.619602455	9460	53301	18503	9662
0.186738081	0.00118883	68824	94813	60973	17193
2.43352048462041e-09	1.714091263247e-05	2408	85096	2968	8164
3.46004708981089e-08	0.000146042	3900	99865	2787	9833
6.54473912132379e-10	0.000100424	2124	64062	2296	6768
7.27345749853756e-09	7.25677032456633e-05	2352	49364	2609	6460
1.37721096258326e-10	0.000143509	925	32679	1232	2489
5.51497793395646e-07	0.158142338	756	10226	1997	1528
2.3817588222631e-06	0.150043554	1294	13408	2944	2175
5.7888132379217e-05	0.005862314	5123	34913	7555	7366
0.001273193	0.198919486	39	1251	214	232
0.472478873	0.071444952	2694	73210	7770	2238
0.001086381	4.6656983980817e-09	19877	29474	26826	36498
0.036650325	1.02441807909399e-05	4400	8649	2689	7603
0.001730245	1.88819734495054e-09	3440	9374	2254	6945
0.022195753	2.27639050458553e-06	15776	25442	5913	19086
0.437287706	0.156367257	4	160	12	107
0.600394468	0.231851491	270	3519	1701	1593
0.000145253	3.14734456448527e-07	3597	15697	2982	8175
6.30711327599877e-05	1.74975768969483e-07	2107	8113	1013	4058
0.221263178	0.182415894	1068	9163	879	1706
0.094113121	0.0159484	14968	51841	18375	17418
0.861532379	0.817587032	37321	81385	8916	12957
0.218458366	0.755539779	69232	134059	8062	6982
0.92957285	0.556907079	11244	16276	10256	7125
0.138776572	0.983461114	2306	7044	1713	1300
0.541557059	0.420469017	0	34	10	32
0.011691221	0.054219313	23	135	52	70
0.021901052	0.851936256	2747	11721	2468	2342
0.012517337	0.787081869	12030	40075	16043	6497
0.040923003	0.229557932	7348	14363	6071	5552
0.155228428	0.014737283	8625	18328	7417	4459
0.000512117	0.000100424	12308	30201	2724	7546
0.000922041	0.008217225	7439	21419	2268	3302
0.005577528	0.005056211	25237	19734	4581	8180
0.031431346	0.033915035	43976	36583	9300	13435
0.626023666	0.007724344	17959	17767	6512	2161
0.995576649	0.02632005	4527	7635	1430	772
0.065405572	0.013693962	1835	5611	2252	1484
0.606909327	0.419020929	4457	8504	4045	5203
0.566050387	0.051243494	10459	29462	8477	13416
0.243631477	0.043058915	1608	6675	1657	3085
0.373815569	0.132822307	502	3883	704	1362
0.056771917	0.65060048	804	11955	3229	3623
0.115359603	0.798018679	8	59	59	62
0.007943733	0.486307057	79	342	187	172
0.92305744	0.000363916	8135	34944	18368	43061
1	0.431518619	1332	2427	579	603

Sheet1

0.649076858	0.002831657	9641	8887	6337	1335
0.928266098	0.003436315	11602	11402	9422	1640
0.391259368	0.000115855	8098	14810	11578	1413
2.16225681140404e-07	5.84236344828168e-09	7739	4156	7086	1633
0.003529475	6.56036709226130e-09	10933	14273	9907	2930
4.85912050778146e-08	1.33561411226136e-08	629	2164	13272	954
0.001854846	1.19027639513929e-05	357	1670	1439	405
0.000206695	4.11694855704412e-06	2332	4819	8561	2276
0.396197029	0.379987596	19777	37351	21277	27631
1	0.910069007	5536	8519	2537	1853
0.585590972	0.605008229	907	2285	588	450
0.483791182	0.216086999	3520	25751	15967	9621
0.915786487	0.534090626	30609	203914	82212	67304
9.37454409407897e-06	3.50519071340743e-12	1631	4083	601	4548
4.77664791548248e-08	3.35281493059627e-15	2888	7826	1049	7576
6.43924671176729e-09	1.92048123818979e-16	4443	12133	2148	13624
0.088169997	0.300487552	35358	19510	11058	6731
0.005487368	0.063157407	3694	7024	3585	2805
0.01434938	0.082720623	5680	7953	4346	2714
0.07392104	0.077386784	8139	8430	4700	2181
0.64330564	0.526557876	6277	9550	4381	2711
0.325775522	0.527330913	1491	4005	2175	2486
0.006681562	0.003060767	30231	156555	28240	68837
0.601769899	0.799776357	2012	12228	3792	4991
0.686592242	0.825841256	1122	2943	1639	2284
0.882268082	0.300835546	7489	17601	9582	7535
0.227988032	0.001162083	3533	8942	5007	2185
0.955271706	0.000700749	2629	7815	2713	1179
0.261525654	0.076556058	2922	11418	3005	1628
0.645740431	0.465870062	17	55	3	4
0.873162499	5.89510280142084e-05	1973	10332	871	285
0.000460312	3.42708608122288e-07	4863	13993	11005	3211
0.33223657	0.00015074	4293	16712	4877	1709
1	0.128604748	3719	15210	3085	2351
0.880698779	1	0	78	18	28
0.028718132	1.60627487990683e-05	5180	19440	2633	1544
0.002609469	1.01601721869048e-05	17178	31007	21991	5853
0.149027775	0.013556429	57698	80664	40911	20250
0.883447471	0.617893234	20410	54742	15074	13964
0.148144	0.463130313	4	23	17	17
0.678856757	0.579167261	1	53	3	11
0.93269432	0.482590015	8814	19146	10108	7311
0.198668993	0.416216165	1087	3768	977	1036
0.157430254	0.778921973	4517	9515	7334	4613
0.145297075	8.94149120099321e-05	20	142	68	238
0.804066665	0.021538495	133897	163518	51848	108092
0.631248236	0.774295315	7679	15090	5836	5621
0.943691148	0.38591481	1222	4939	1170	1204
0.899332212	0.964538398	2993	17655	23895	12837
0.518633074	0.000795429	1915	9742	1328	6334
0.874472472	0.939233082	94	891	281	418
0.209219346	1	1018	6380	3882	3049
0.041039529	0.015111303	114	808	618	293
0.004360067	0.005100838	481	3379	2321	1019
0.015532304	0.003760142	774	5219	3170	1246

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0.139073095	0.001160576	117	912	417	152
0.930367592	0.680942952	0	3	1	1
0.384249351	0.608571801	1	2	1	0
0.190479218	0.233527207	0	0	0	0
0.686040694	0.235928827	0	0	1	0
0.368596266	0.415794017	0	0	0	0
0.79821494	0.939233082	0	2	1	0
0.605189997	0.848965538	0	2	7	2
0.623697658	1	0	1	1	2
0.194946156	0.238788046	0	0	0	0
0.79821494	0.919287038	1	0	1	0
0.920540434	0.810629485	0	2	1	0
0.487998158	0.938686441	1	20	4	3
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0.394825505	1	0	0	0	0
0.394030584	0.16058526	0	0	0	0
0.997058121	0.415794017	0	0	0	0
0.231227062	0.159885466	0	1	0	0
1	0.817479277	0	0	1	0
0.193609011	0.237319381	0	0	1	0
1	0.081635532	0	0	1	1
0.781572944	0.236067137	0	0	2	2
0.756290169	0.334277306	0	1	0	1
0.146049041	1	0	2	0	0
0.990646505	0.562961545	0	4	3	1
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0.985634904	0.414030457	0	0	0	0
0.050101638	0.334545098	0	1	0	0
1	0.808879963	0	0	0	0
1	1	0	0	0	0
0.412578864	1	0	1	0	0
0.690254861	0.825303923	0	0	0	1
0.674796206	0.097314499	0	7	0	2
1	0.821548326	0	0	0	0
0.368596266	0.933509621	0	0	0	1
0.394030584	1	0	0	0	0
0.719995045	0.616573267	0	5	0	0
1	1	0	0	0	0
0.956072672	0.944022323	0	1	0	0
1	0.333552624	0	0	0	0
0.41682484	0.337294702	0	1	1	0
0.368596266	0.415794017	0	0	1	0
0.722830832	0.939233082	0	0	0	0
0.928266098	0.904382031	0	2	0	0
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0.748114501	0.986119689	0	4	1	1
0.971626872	0.238788046	1	1	0	0
0.675191011	0.582203426	0	2	1	0
1	0.07812501	0	0	0	2
1	0.330206761	0	0	0	1
1	1	1	0	0	0
0.394030584	1	0	0	0	0
1	1	0	0	0	0
1	0.333552624	0	0	0	0
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Sheet1

0.067175105	0.761036908	0	0	0	1
0.193640439	0.348799933	0	2	1	0
0.143365384	0.401455627	1	0	1	0
0.565487835	0.414030457	0	2	0	0
0.455299956	0.416099166	1	4	0	0
0.394030584	1	0	0	0	0
0.231295117	1	0	1	0	0
0.53201973	0.607360967	0	5	1	1
0.005728961	0.001871543	9247	23708	24852	7166
0.217634564	0.074355459	2443	8830	8917	2328
0.500340299	0.995336712	19209	36889	10141	7037
0.16504369	0.002558528	8947	50931	9639	2039
0.394030584	0.016427664	7839	14619	6931	3199
0.540423484	0.417810093	7641	10963	4208	2710
0.517071542	0.107139425	2670	8221	2241	1907
0.467310711	0.057543031	249	1476	263	611
0.729697845	0.055477108	3570	5055	7259	5461
0.104527109	0.414920776	2296	5241	6640	2472
0.248950469	0.022113713	3414	7817	3731	1931
0.014334468	0.145154412	13414	14335	8011	5261
0.495105677	0.021696171	213	1118	235	165
0.32921611	0.657738937	570	1733	732	862
0.000408739	0.144118659	2839	24285	2259	4723
0.072305354	1.87504183476058e-05	1253	5894	2548	958
2.93988013133094e-05	2.23493146690261e-10	42008	123794	8942	62801
0.001630841	1.68675178164076e-10	14475	48024	7908	42288
0.781572944	0.655365287	7693	4639	1519	2228
0.334220801	0.608637738	1852	2827	257	391
0.229078356	0.884425571	10	65	12	27
0.283072189	0.009610193	561	5771	778	1333
0.428047824	0.652277153	82906	115285	55406	29001
0.378334719	0.001469931	7159	11001	4855	6734
0.103376175	0.971172383	16	358	45	47
0.712931776	0.744399562	11	143	35	51
0.364363779	0.904382031	6428	22773	5929	4809
0.465746507	0.140051475	10184	15947	5772	7770
1.31948036493341e-08	0.004801453	15699	9614	15376	7705
9.91663999402921e-09	0.000464238	8272	6187	8601	3653
1.16731655662923e-06	0.000896438	15343	10747	12645	5636
0.000137084	0.003918584	9868	10207	6987	3741
0.159721622	0.000789444	10508	24392	14198	3756
0.91135592	0.005992645	1669	8266	2375	724
0.0001934	4.86532611270208e-05	31089	22370	42139	11488
0.013226211	3.67534995434959e-06	407	828	718	117
0.038957432	1.47739294721217e-06	6489	13326	9080	1861
0.733326969	0.000248996	1458	6696	1719	633
0.075518959	0.000678094	7026	18299	7739	2859
0.015115057	0.00015513	49298	41573	38674	9464
0.100164933	2.53168645314994e-05	16854	20256	13188	4969
0.663829031	0.044197921	130447	66589	68888	19092
0.956623984	0.62255113	15363	19276	6781	4793
0.055191206	0.000594769	2377	8017	1687	2600
0.025826436	0.014496571	161	1136	168	250
0.211933968	0.51741471	18108	33016	14849	8638
0.024802586	0.153407128	769	5074	463	629

Sheet1

0.866860665	0.313739643	6685	31657	5478	5942
0.201336431	0.75462264	9922	34035	4533	5380
0.025175879	0.294820155	7356	28335	3438	5148
0.000533504	0.01210609	1646	8098	1223	2873
0.16244163	0.976419968	16	97	49	85
0.603599385	0.870234416	43	264	135	143
0.785897026	0.671255586	5	125	40	38
0.28276335	0.778438709	3	81	10	13
0.165389723	0.685914931	73	293	145	100
0.097218806	0.464605415	53	391	130	181
0.007521268	0.595320022	193	709	399	632
0.00470216	0.000420213	3971	4934	3300	1199
0.032249607	0.006389126	590	978	508	234
0.063146972	0.011716054	31768	14741	17433	7561
0.030198036	0.003754111	630	494	608	231
0.011774106	8.26994400267066e-07	6466	10878	5394	1784
0.172877077	1.33743020531419e-06	5139	7200	4959	738
0.274852084	0.012758285	445	1690	1153	299
0.090984714	0.005367019	15063	33827	16944	6543
0.883447471	0.048788918	43561	147007	42027	81098
0.913594782	0.490493042	703	2501	1982	939
0.4350541	0.67174528	1075	5463	3042	1702
0.590608429	0.112664454	1057	3825	3038	1217
0.372657896	0.861780785	9701	58600	17422	12611
0.284005323	0.537046445	41240	105592	48372	68247
0.553309989	0.065771848	3650	13868	6169	7340
0.746886451	0.002718843	1824	5200	3473	5323
0.591991212	0.144514357	15018	44616	36529	33664
0.482784438	0.001983119	16373	42253	25459	50022
0.242828264	0.22875693	8673	17112	8748	3298
0.823611133	0.851896207	12234	15185	7846	4122
0.22044039	0.000201074	58732	43305	16769	5716
0.272342628	0.565624608	11764	9660	6129	2969
0.272269694	0.290935848	15416	18558	12315	4679
0.59402889	0.543414463	4055	5936	2817	1350
0.341130443	0.155906458	2709	4590	2233	1306
0.186840362	0.012844885	1900	10167	7038	1219
0.963062087	0.350958872	8791	30983	15562	4532
0.215856482	0.150378235	11064	27400	12521	7964
0.608904947	0.300487552	13428	46633	16245	15133
0.508364791	0.970279426	22410	31237	17994	26654
0.343143204	0.323820315	358	10737	1352	824
0.699119339	0.905961615	25027	61195	24231	24558
0.861844432	0.67489401	5353	15898	4681	6183
0.000892365	2.25717460040474e-09	9685	56520	8577	79474
0.000278185	2.70861470749843e-09	13663	73437	10580	130150
1.83815221070525e-08	2.72976646254736e-16	58751	972349	45700	1725351
4.82851636008354e-11	1.74840401173492e-18	16499	210363	15072	432580
2.17031959878469e-09	2.99698082524846e-14	6286	143504	8732	230006
7.14463233641394e-09	0.021797108	3974	2946	6594	3483
2.03426335040914e-08	1.29167111820745e-05	181	227	442	139
0.002018717	0.000959501	14492	36631	21350	11722
0.022644859	0.000595682	1421	4213	3687	1059
0.311735188	0.532945919	857	5794	2270	2056
0.326613001	0.139273012	729	8754	1479	3579

Sheet1

0.009842846	0.058063023	3690	10971	1612	2739
0.180491657	0.400793758	706	1340	981	975
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0.079683244	0.006990651	5540	13107	11060	3639
0.000116765	0.000122211	17927	10669	31154	6072
5.41556945877363e-05	6.17517551728726e-09	10496	12100	29313	3077
7.99418518242327e-05	7.63341804204337e-07	1315	2870	2623	405
9.00527815150688e-06	1.13971940865034e-08	3495	5474	9484	1549
0.00012543	5.67584034026327e-07	7616	11863	13723	2277
0.005970463	4.02765578704218e-05	5158	8128	6371	2074
0.01782714	0.007889573	2886	6223	3512	1736
0.883447471	0.757620755	5	132	5	21
0.910927322	0.311667215	184	1190	321	509
6.79898289890247e-19	6.66641399540563e-19	2851	64742	2431	20197
0.304617669	0.522391221	582	3252	675	1663
0.313207523	0.824578033	898	1418	570	921
0.883447471	1	1997	3354	943	1187
0.506967774	0.965481324	914	1224	293	314
0.394030584	0.993386468	2207	4153	897	1083
0.23499524	0.746407389	2959	5316	1243	1206
0.113523412	0.254683792	6366	16288	17790	7692
0.010794789	0.400348985	10590	22766	34533	19192
0.024517481	0.06785854	7352	22062	23625	10160
0.38632577	0.435890073	5425	14201	11506	7852
0.420475819	0.104482305	899	4963	2626	1598
0.071075294	0.029965289	16143	54228	16618	18775
0.116564305	0.00544505	54261	106919	35083	49149
0.690254861	0.001667126	18793	48274	16796	33104
0.13445589	0.103677223	31992	34150	27233	33824
0.000295983	0.543795224	6423	10890	14747	10942
0.126184516	0.308104622	786	3121	2786	1573
0.052638177	0.006680819	32461	95267	35125	65046
0.003892047	8.36858517012099e-06	8590	64882	12316	30648
0.107218144	1.41118977255337e-13	3312	10867	1203	17017
0.681986648	0.000104387	4986	15715	6704	21303
0.578822505	9.06616205077665e-05	7379	31012	9567	34277
2.07446524227553e-07	1.00496085242556e-06	13265	75095	9566	30881
0.117294382	0.997642833	8782	44399	11745	7520
0.400914187	0.923357869	5464	29084	12310	7410
0.012948914	0.001361371	130	477	99	348
2.03426335040914e-08	1.30257846364208e-05	28024	17264	32774	8934
7.31465012008329e-10	0.000104387	9956	8576	16219	4597
0.683231672	0.664551331	5581	22829	5078	4606
0.394030584	0.908470457	3260	13476	2132	2585
0.354359941	1	21747	73816	12060	14072
0.001646582	1.1148848250595e-07	5134	7241	5925	1539
2.28118517466339e-06	4.86502374468774e-06	7132	13774	19934	5196
0.034495755	0.00039372	13918	78671	42936	18473
0.866143223	0.168105558	147	1448	299	149
0.125350374	0.088294591	15577	11270	33313	10416
0.143423762	0.009728545	8815	7932	17439	3995
0.107725832	0.00989156	27212	24182	49501	10967
0.451773613	0.000950104	8023	15318	13644	3055
0.6567291	0.002853175	1941	7431	3805	1307
0.498700441	0.098868691	44848	74482	43917	17493

Sheet1

0.902499265	0.022625035	12861	42468	31576	11458
0.724233858	0.158655356	17885	45190	42998	16167
0.297926074	0.138138685	64939	191576	112718	48409
0.857403455	0.407868124	1371	5149	1421	1697
0.596077276	0.107848033	17946	23221	10641	12489
0.000197929	4.35784026251644e-09	537	9217	3543	15743
4.08280799688271e-05	2.70861470749843e-09	1844	51760	9972	59755
0.037896888	0.034902493	8	1084	36	206
0.104359735	0.008217225	87	1141	186	159
0.000270361	0.211168399	133	1250	984	1832
0.403939332	0.223923769	104	2559	491	934
0.002734875	2.10437527474398e-05	19	460	64	318
0.614150209	0.349773571	13346	22590	11274	6153
0.782025781	0.939538388	59488	60390	49040	41330
0.002116028	0.002533525	4234	28123	3320	6486
0.001426792	0.007799003	1765	9709	1548	3369
0.008627731	0.043062214	78	792	58	237
0.384237127	0.767257723	19535	30678	17998	15248
0.069162923	0.748713772	7638	8641	6065	5915
0.001683922	0.817479277	1577	1585	1977	1719
0.663026464	0.108633403	9597	22803	14142	17768
0.486796467	0.037335749	2847	22073	5194	9497
0.02658326	0.111519899	47046	443277	81451	96155
0.104038231	0.144118659	3306	8008	3758	2920
0.822748354	0.212924444	47876	115099	53960	50620
0.854709737	0.600136786	96448	151996	82312	48202
0.166614563	0.746714485	640	1190	774	559
0.176409924	0.429638894	7020	9110	7890	3635
0.31316522	0.554773258	17134	12677	12988	5998
0.601055431	0.584319923	26	60	78	64
0.991810787	0.880835721	2739	7732	6411	3922
0.703977617	0.865511608	33649	47481	104064	44730
0.827745111	0.445803548	13928	57602	56462	38339
0.284005323	0.041345094	2991	21123	6494	2607
0.06392669	0.825303923	66441	32583	38310	31600
0.228919204	0.59114162	2174	13625	1814	2158
0.185493568	0.650220312	23203	51357	10065	9442
0.165057999	0.977133609	17650	60679	13020	8047
0.022074097	0.507195125	10378	24990	6938	4258
0.012420155	0.46349701	219125	209853	4636	6243
0.462088919	0.302599115	14761	18598	9282	10556
0.250482998	0.386278415	7432	15512	4569	5177
0.06137675	0.138786471	24177	42801	10992	14741
0.057238139	0.139729877	750	4093	1241	2540
5.5635917057729e-07	2.43405096603287e-07	9178	15860	28333	3954
0.009606413	1.35566165626431e-08	7814	28610	47038	2695
0.837184589	0.004973812	20402	14798	5066	11793
0.20660831	0.000334706	17364	13967	2338	10485
0.899531242	0.000431188	8016	61836	8884	4252
0.420475819	0.640698115	206	1198	540	732
0.245334496	0.002343529	58516	106681	72209	16982
0.486455671	0.348650115	47644	87119	86838	22347
0.800679289	0.223493239	12622	37549	10517	7982
0.565018673	0.170182983	6217	22963	5934	4292
0.379678448	0.048120904	10179	35382	10157	5942

Sheet1

0.076113243	0.599689969	17597	25569	12376	11412
0.448174481	0.953837045	6726	10686	3782	3843
0.6567291	0.069935217	14384	30889	6914	16249
0.291302184	0.574342575	34107	86816	12059	8425
0.855356929	0.637377822	5766	18550	4888	3215
0.944152093	0.017460302	15357	27217	5398	16002
0.339348824	0.386805606	12	26	9	8
0.107077727	0.000207797	13499	14887	1544	1162
0.000170519	0.012176548	9657	329942	5300	15973
0.129934418	0.329411937	39620	272520	51040	25518
0.000734396	0.066208244	6493	8349	10459	5345
0.622756673	0.006962548	8991	17126	6901	11390
0.025756247	8.67063880964802e-08	5314	11210	14602	2630
0.014660739	4.71968727535375e-09	6977	20432	17584	2756
0.000310006	1.6499527877808e-07	7195	13223	16492	3272
0.281180522	0.771220169	12	62	57	72
0.338753622	0.588290941	27494	86486	27465	16408
0.436904543	0.014861714	2431	4712	1670	2009
0.094309613	0.101937683	8592	26234	20394	8835
0.357545116	0.065470037	1200	3437	1104	1567
0.761344006	7.07676605227073e-05	1354	2976	637	2297
9.94593030537782e-08	8.79304478521222e-06	3552	22788	1250	4034
9.57733971750808e-07	0.000545893	2761	15022	2070	3252
0.849029469	0.171325921	113	303	167	474
4.55650050030558e-09	0.001261254	4118	34375	1979	4410
0.034152296	1.08706817899619e-05	9270	32658	16469	4139
0.067579153	0.000802025	10453	22299	14064	4204
1	0.574342575	8393	11272	3800	4822
5.47652323493493e-07	5.63560382384821e-06	4787	4206	13808	1671
0.387925326	0.388279145	1157	5596	2659	2127
0.157603844	0.864572549	6	11	11	17
0.566050387	0.042339655	1730	10124	4165	5689
0.298510692	0.122475633	7	61	15	17
0.044839997	0.012176548	27573	26216	5881	3254
0.565492606	0.909795966	11210	15415	2374	2944
0.001085661	0.186719131	1035	18281	925	1589
0.005276343	0.231309952	1778	24488	1620	2348
0.006947431	3.78536727675324e-05	62326	81212	9671	41114
0.243631477	1	6	146	14	24
6.36602715024337e-12	0.145154412	6687	86661	7317	5932
0.055713114	0.643186399	16	108	33	70
0.003651954	0.407336557	24554	22176	19849	19288
0.009744908	0.982668643	15309	17560	13456	8656
4.38840017178383e-05	2.70938876848708e-05	21932	21786	22996	7183
1.37811513331255e-05	1.06721133197316e-05	42151	30536	48682	12661
0.000384712	2.36288509519317e-06	5663	3994	4696	1178
0.00026014	2.38009732584575e-05	1049	1587	866	487
0.234537332	0.060216048	3943	5650	2353	3937
0.191143521	0.15139037	13932	17089	9351	13291
0.045521417	0.215926587	334	4198	264	516
0.204911312	0.051014649	6048	11221	3330	4289
0.009110704	0.288529963	10742	58284	25673	10059
0.254797743	0.231699309	62498	126364	98339	45327
0.487006514	7.03927741066431e-06	3774	7726	2670	1012
1	0.164334371	18992	25101	10207	6118

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0.150676472	0.390797917	2549	7492	3339	2266
0.188417336	0.000802025	4113	15559	4972	2089
0.849473942	0.0159484	6673	24207	5548	3792
0.047530142	0.002052113	4462	9104	5402	2137
0.161573038	0.711667123	4619	15004	13209	10801
0.022654885	0.004164196	2971	2447	1871	792
0.009251846	0.000546669	16351	16592	9791	3749
0.03366929	0.233527207	4799	8435	7778	6187
0.012804765	0.041496039	3427	24757	6448	10946
0.012804765	0.189455835	381	5807	916	1431
0.876343989	0.415794017	1323	6485	1923	1520
0.378686732	0.016928907	220	1287	863	1031
0.218749812	0.012595712	6841	15811	4149	6085
0.340098723	0.81126943	17	99	79	75
0.02966466	0.99747738	75300	49713	1082	937
0.481364515	0.04295121	701	769	365	334
0.258210796	0.04365219	3021	1811	2171	1581
0.314943751	0.054158856	1834	860	984	600
0.306851746	0.086036843	2113	1659	1505	1228
0.137573896	0.970279426	429	1442	786	883
0.219195029	0.007657238	581	7354	3282	1127
0.984984725	0.146743635	590	14053	6112	2499
0.798635467	0.139683925	480	6362	2929	1187
0.64769623	0.335106002	18604	89470	132136	36738
0.882290179	0.721053076	1802	8322	2743	2274
0.025529828	0.415794017	31	2987	106	407
0.0038891	0.056311329	54	3349	221	559
0.003620012	0.83921614	126	5330	323	597
0.017444628	0.051807028	156	5961	392	1031
0.023407087	1.39531399371267e-08	36863	23899	4105	21956
0.959729622	0.367026982	988	2212	1062	1293
0.05251141	0.007258471	15	157	73	38
0.015768121	0.018257351	30	222	63	53
0.04318003	0.939233082	91	687	364	451
0.497888725	0.016525553	14208	15215	3789	6472
0.079519142	0.307883132	9824	57446	12811	9677
0.772807612	0.118192452	9968	22058	10211	5058
0.214919527	0.771220169	122788	144010	4116	5045
0.039479356	0.215926587	331	2089	4042	1153
2.07076897137438e-05	0.954824542	665	774	756	1037
4.43024635281457e-05	0.082831962	265	465	394	418
0.395232711	0.270338661	324	3112	352	573
0.00066808	0.041915835	2282	1963	1384	937
0.015183117	0.011981614	2129	2801	1358	959
0.35647818	0.198919486	177	3136	7021	1625
0.611997174	0.000668185	19550	65240	22148	6345
0.781218401	0.002603871	13000	42225	12345	4492
0.026948707	0.550558228	2492	2247	1830	1479
0.031075612	0.181293197	364	433	238	203
0.445840194	0.373623473	735	1041	290	289
0.199883444	0.773109009	187	774	222	161
0.966485781	0.906554778	19	60	16	28
0.57489317	0.155098104	3	26	9	20
0.6558565	0.052075053	5195	4279	3324	4053
0.061288035	0.961808592	342	1179	411	491

Sheet1

0.937214091	0.088925955	21	79	2	72
0.005970463	0.19252766	269	2925	649	1033
0.013226211	0.00552626	1815	5017	3409	2055
0.005231068	0.078795517	4223	4197	3582	2006
0.114903989	0.144118659	3945	5897	3082	1925
0.209282174	0.888854061	4	14	20	10
0.000137787	0.075909868	79	448	307	363
1.26356038021359e-06	0.003335268	130	462	468	449
0.53201973	0.196904544	0	123	31	53
1.50335589003295e-05	0.002018779	91	433	248	235
0.000132714	0.005737526	166	975	804	581
0.008188209	0.166342892	434	1346	1441	1243
0.00893422	0.005801167	174	1406	1184	789
0.184752487	0.003979429	58	1043	217	686
0.16504369	0.369227421	394	1427	870	1037
0.327798787	0.701914534	190	791	255	394
0.191176747	0.958978044	187	966	415	542
0.128648663	1	659	2243	1313	1555
0.251055634	0.725977656	79	285	112	180
0.192249432	0.971172383	192	815	585	425
0.018376634	0.70166082	273	2307	2468	1142
0.019183239	0.486080346	40	212	358	294
0.601769899	0.553523789	686	1545	1571	2082
0.469908888	0.489537862	117	477	331	342
0.044992747	0.000383793	115	1316	221	823
7.1907139859248e-08	0.000571388	5254	37338	4404	6091
0.07285198	0.001588086	2210	4747	7099	1537
0.951613509	0.211457189	19609	66581	48782	12880
0.535035138	0.421353826	14152	42073	18141	8170
0.419507907	0.461494737	15052	48676	21429	8567
0.846883928	1	14	154	17	55
4.37821303822875e-10	9.82410426492136e-05	13117	107020	7462	10718
0.049447045	0.002141659	5170	10848	4313	2475
0.823314868	0.018315932	3136	8254	3021	1768
0.000167742	0.002975861	4870	24472	2950	6267
0.000861591	0.011096868	3123	29812	2543	4836
0.065272652	0.855823134	32	1520	155	213
0.000723918	1.49392302947351e-07	10044	68187	15814	48077
0.000174698	2.70292769592587e-06	13156	17582	8710	2759
0.036973425	0.000518397	40594	74306	27366	10264
0.732175001	0.264139746	18607	40370	10296	6162
0.107528718	0.013049939	26	127	85	73
0.152939949	0.819648297	28499	38784	16167	14038
0.472478873	0.175257704	2270	11534	5290	3948
0.013003569	0.000795801	545	5002	4933	1009
0.532242472	0.248618856	3416	7863	2918	2584
0.370014103	1	1117	7187	1319	1455
0.443905297	0.125791472	15696	35681	11963	7765
0.4350541	0.593344978	31181	53553	9238	4806
0.44860991	0.110400503	300	1273	277	293
0.378053377	0.156222354	214	566	605	1018
0.089242298	0.003837269	5738	14455	3725	5707
0.066533635	0.000915481	14874	45123	10138	16599
0.873767621	0.463916848	4941	11068	3976	2018
0.910927322	0.320796641	5343	19173	9594	3283

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0.508464656	0.68178134	2728	4210	1229	826
0.15613943	0.907328668	3124	7714	1467	1213
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0.280936031	0.514229003	1018	1471	496	558
4.43835353117427e-07	0.104227509	6807	148476	7530	9727
0.808125023	0.01059415	11289	13980	3768	6672
0.803702324	0.131128368	2952	5795	1116	1978
0.007986962	0.051634121	8199	23347	10456	6484
0.529329421	0.543414463	7742	37645	12740	5136
0.385454996	0.943150374	2	32	6	13
0.90975812	0.012950147	10829	14104	7512	10623
0.403059512	0.238891886	8055	16373	7055	6942
0.427199615	0.973765413	1310	6303	2270	2150
0.011788098	2.47353287122964e-06	2038	13438	1379	6813
0.047461058	0.0066845	3811	7500	3927	2210
0.696932273	0.008534512	5771	10987	3896	1937
0.592911385	0.563612708	1945	7159	1732	1066
0.559517848	0.946900434	4882	4112	1788	1115
0.000350807	0.003398901	4413	45593	9030	13423
0.573954629	0.606798987	5737	21234	8456	4609
0.209930624	0.005633291	462	3644	1384	584
0.366599069	0.414030457	0	0	0	0
0.378483183	0.414247286	1	1	0	0
0.412664546	0.33476151	0	1	0	0
0.368596266	0.415794017	0	0	0	0
0.508364791	0.904382031	0	2	0	1
0.217634564	0.335759602	0	0	0	0
0.394825505	0.156222354	0	0	0	1
0.928341077	1	0	2	0	1
0.920612721	0.950596996	2	2	2	0
0.986182838	0.414030457	0	0	0	0
0.412578864	0.083830755	0	1	0	0
0.192249432	0.235928827	0	0	1	0
0.179949204	0.623256393	0	1	0	0
0.795420639	0.231837028	2	0	1	1
0.118332649	0.938633188	1	5	1	0
0.522143323	0.909795966	0	1	1	0
0.538884649	0.690689796	1	1	2	2
0.960273226	0.933509621	0	1	0	1
0.221436357	0.834638476	1	0	1	2
0.409630965	0.461494737	0	3	1	2
0.761344006	0.600136786	0	1	1	1
0.368596266	0.415794017	0	0	1	0
0.931489021	0.830906747	0	2	0	1
0.133972784	1	1	1	0	0
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0.221263178	0.810629485	0	0	1	1
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0.696932273	0.418279968	0	4	1	0
0.362125318	0.391695104	1	1	2	0
0.781572944	0.864572549	0	0	2	3
0.470201877	0.907328668	0	0	0	0
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0.011078678	0.016521476	0	0	0	0

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0.412578864	0.139015282	0	1	0	0
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0.366599069	0.94427882	0	0	0	0
0.991623844	0.414247286	0	0	0	0
0.963062087	0.614162818	1	1	0	0
0.193609011	0.237319381	0	0	0	0
0.231295117	0.333552624	0	1	0	0
0.368596266	0.939233082	0	0	0	0
0.963062087	0.415794017	0	1	0	0
1	1	0	0	0	0
1	1	0	0	0	0
0.133788991	0.02599758	1	1	0	0
0.5537952	0.242715864	0	2	0	1
0.11313246	0.025196788	1	0	2	0
0.756493581	0.415794017	0	1	0	0
0.102093375	0.802653963	2	2	1	4
0.514653585	0.849137791	1	2	0	2
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0.998252236	0.92183099	0	0	0	0
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0.368596266	0.415794017	0	0	0	0
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0.434219216	0.752865315	10191	26475	21598	9291
0.275932343	0.806018181	18260	25648	10252	8691
0.256705953	0.693248277	19691	40143	15389	10898
0.914006094	0.707479559	772	2409	519	830
0.002116028	0.000953021	20959	41084	7676	18486
0.038810162	0.794005303	3500	18056	2343	2856
0.000996966	0.034172388	1431	2914	1579	1201
0.138261721	8.09103369501069e-06	9343	19619	9312	30010
0.011587667	1.01601721869048e-05	2601	13607	2701	9937
0.000601003	9.06616205077665e-05	1428	4915	1071	4526
0.000937103	6.01655197710247e-05	1244	4087	1192	4018
0.06221919	0.050391591	6150	9136	3824	2500
0.368596266	0.243135761	863	3654	1610	1102
0.142998474	0.127603356	33	178	40	45
0.264898266	0.332696522	0	13	4	2
0.394030584	0.875969104	6001	12840	5486	3449
0.917114095	0.897656477	8063	21787	7324	6596
0.521886242	0.221628107	20532	170380	82766	104554
0.546216408	0.659455229	11	74	70	138
0.171141731	0.000656287	1864	4026	2170	3520
0.090016327	7.62103905648648e-05	5751	11625	3564	8907

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0.000305756	0.055415886	530	14074	931	3780
0.768027338	0.855823134	5410	5372	3644	4387
0.917114095	0.943150374	12042	11693	4497	4457
0.445456463	0.902992606	3	37	20	21
1.01043887518995e-05	8.14060690118229e-08	22700	23345	32743	7440
0.000259963	9.57083421152284e-08	10563	14720	15502	3662
0.02025664	4.33209977591159e-05	1909	6717	6026	1700
0.004008247	0.041454829	6059	34874	2373	2143
0.784079647	0.838854819	31564	57843	29137	17503
0.00886231	0.191803375	18443	24627	21391	12531
0.112505202	0.386278415	15916	22288	11706	7015
0.492507714	0.644104774	2917	4868	2029	2490
0.462596564	0.264734759	3780	5025	1589	1107
0.157357739	0.014114229	18266	26933	8145	4935
0.287053775	0.549922226	384	1139	821	644
0.394030584	0.223923769	55	570	114	221
0.000154448	0.939427913	352	6886	373	383
0.000153656	0.716384868	5966	28137	3694	4567
0.342650928	0.102044835	6387	10520	4119	2856
0.169922355	0.261939387	16164	14661	8715	7336
0.851956281	0.000205779	2153	26013	12670	1778
0.92150348	3.9377313163618e-05	778	8484	3357	611
0.151830779	0.011963641	7	35	32	8
0.185493568	1	5379	17775	1219	1715
0.603682974	0.361454444	1039	2941	1202	859
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0.285294739	9.70540101630495e-05	10403	21503	2985	13829
0.249588286	0.129537977	20276	11244	7712	9525
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0.696932273	0.552296669	935	8525	2527	1889
0.005270013	0.003764894	2332	4133	2108	1523
0.727851154	0.402453227	8250	14416	8186	4803
0.456198882	0.002997634	2083	5458	1490	663
0.694148374	0.000242595	3726	8029	3668	1289
0.088542008	0.000974669	11909	14119	3774	8113
0.02388509	0.014718726	886	2060	1204	979
0.000157798	0.000882887	1037	2206	1698	818
0.000868965	0.007004865	256	836	639	374
0.000226232	0.00290498	466	1244	1148	444
0.013979137	0.057275651	297	996	612	461
0.90335912	0.655606417	50	746	162	158
0.067665975	2.12074541022713e-05	42	1143	524	426
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Sheet1

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0.722718584	0.939233082	0	0	0	0
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0.997302456	0.418272583	0	1	0	0
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0.95775581	0.233527207	0	1	2	0
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0.368596266	0.415794017	0	0	0	0
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0.762662826	0.178213561	0	1	0	0
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0.374736731	0.420050911	0	0	0	0
0.087643785	0.432038635	0	0	0	2
0.41385825	0.157374352	0	1	0	1
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0.190479218	0.233527207	0	0	0	0
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0.231295117	0.581732212	109	705	293	287
0.122394309	0.864572549	229	868	580	623
0.000137787	0.039427561	604	5694	396	1088
6.6912882736063e-05	1.23904392177613e-13	1023	6914	1789	9711
0.01267305	5.34196438266095e-05	280	3132	604	2731
1.94862095683809e-05	2.74776766600588e-11	663	2754	878	5082
3.24184661704646e-06	1.95686811631056e-10	75	686	109	1129
1.13455002736015e-14	1.25705653133769e-23	18141	342437	7167	448970
2.40940722242531e-17	1.150753468504e-28	7682	83188	2376	187017
0.789012331	0.006978833	446	3290	491	239
0.022684425	0.674404133	10105	70841	27090	15103
1.41743486347007e-08	1.91087785125679e-14	2028	73083	3327	28876
1.48452044879915e-06	3.38027996580866e-13	4507	44317	3251	18721
1.46471891580226e-27	9.0145010999793e-25	193	1264	151794	702
8.37869874098953e-13	7.66565511629931e-19	3735	21926	56524	4442
1.59749379725437e-14	3.89700568667872e-21	90	887	2373	150
7.21912548407628e-12	1.26716238536154e-17	3487	18777	59279	4915
8.59293871395695e-09	3.50519071340743e-12	1137	9368	40712	2294
3.974658862577e-07	2.97078995580005e-08	12	70	87	35
0.477318641	0.490493042	12431	17078	4061	5242
0.147018562	0.134609821	27656	32651	7172	10603
0.165201391	0.351594088	8124	9435	1298	1933
0.256566554	0.716912985	259	748	494	638
1.00504006597186e-08	1.44503089309113e-08	114	3059	289	1098
2.14866245717865e-12	6.34292594553321e-13	1704	30445	2700	12719
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0.997958521	0.303316199	8837	18030	6620	4269
0.283292596	0.300835546	8	123	21	37
0.686502002	0.24630267	347	1581	450	514
0.162920519	0.831425341	3524	9772	4553	6211
0.312959789	0.825841256	1083	4368	1634	1616
0.582659822	0.902738416	1147	7239	2264	2227
0.804066665	0.464751002	678	5326	844	1900
1.65807418407492e-06	0.000167182	4094	89608	3503	5803
1.68848649140544e-06	0.000121455	2471	90075	4670	6579
2.59747276843084e-05	0.00040765	145	6222	437	561
1.84760757652669e-06	0.000340531	1182	63845	6007	6101
2.14112476998612e-08	9.13479506636106e-05	587	94536	5094	5312
2.59938873063445e-06	0.000169519	1221	69376	11343	8406
1.56535993432798e-05	0.001018309	684	56875	6970	5450
4.25318547999483e-06	0.000406182	164	20067	2384	2194
1.39242289386725e-06	0.000785621	289	36855	3745	3489
0.274108573	0.260042471	32	1460	162	306
0.002986642	0.806070605	4032	5002	4942	2997
0.024759029	0.890664528	14352	24046	21243	13935
0.425939274	0.181933687	12463	25223	15131	12075
0.255536278	0.211457189	3040	11197	3894	3399
0.015428815	0.144118659	4371	20902	5175	4099

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0.014925959	0.763409706	8243	45925	9496	7492
0.248942501	0.539343281	14517	55401	26446	19228
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0.081476311	0.016537719	13774	17126	14078	5793
0.007680759	0.012740764	4382	4078	6048	2092
0.002854944	0.00012306	2045	4839	2891	1357
0.024637465	0.002243227	4627	16284	7423	4278
0.229666526	0.024728761	745	3679	905	1041
4.53867829763273e-15	1.20880136456046e-11	366	2378	6334	1524
2.99295065608957e-18	4.66483150727279e-15	1636	8236	55650	5136
1.9122683890845e-19	7.95349811319555e-16	555	3738	45583	2378
3.1219565535092e-09	1.74653813355918e-10	9	216	322	73
6.74358869210822e-09	2.4049306461911e-09	2031	8765	28376	2518
7.3995263242185e-09	1.72209380149802e-07	520	1912	12649	1065
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0.899531242	0.044150418	883	4740	956	658
0.254658522	0.353780531	5396	46197	30435	7334
0.263204198	0.813724958	9183	14854	6013	6226
0.721345365	0.891324173	2205	4747	2451	2078
0.612820851	0.012199081	3290	18477	2216	2429
0.592714571	0.00055396	5746	14298	4505	1942
0.024511637	0.67489401	260	270	357	396
0.010133446	0.434454231	275	303	561	603
0.884411502	0.484546275	9889	47188	24267	17088
5.59530968244259e-07	0.000196986	202	463	422	343
5.66196440306329e-07	1.49344134674694e-05	355	712	462	383
5.16394766395926e-06	0.002962054	521	752	477	613
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0.006751349	0.056106092	222	467	211	216
0.032249607	0.409721207	204	1806	4175	2143
0.798974628	0.82912446	227	9915	684	1407
0.531251497	0.583896993	2982	5508	1123	1244
0.673947756	0.132102739	5139	12395	3606	1538
0.914006094	0.144118659	25630	45863	24262	9868
0.909988888	0.632794887	10445	14604	7740	6073
0.859036289	1	13	347	59	108
0.3875498	0.000105932	25721	21886	13929	4736
0.582704674	0.000968541	80791	54268	45088	16198
0.665569075	5.70545744319151e-05	28903	21426	14535	5789
0.316046111	4.86532611270208e-05	76542	43179	40894	13897
0.318426113	1.22331207177305e-06	15000	16331	11303	3431
0.186601657	7.87760548423813e-06	42342	32051	24226	7117
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0.184752487	6.3409091968113e-05	32384	41100	26381	7923
0.249588286	5.63560382384821e-06	12905	25777	9082	3635
0.6567291	0.020647927	18680	67983	12641	5962
0.503147233	0.46829142	36240	58793	13440	9507
0.844566155	0.350795484	119253	144793	40242	26924
0.940905851	0.065470037	32156	53219	21246	6865
0.00048386	0.033915035	2001	1582	4250	1870
0.002032101	0.002348358	1893	2899	4276	1544
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	0.671800165	0.14953978	53609	194884	102365	40561
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	0.001473141	2.34047378431979e-08	8079	65948	9045	45310
	0.117992305	0.003533304	19011	54454	16536	25353
	0.884411502	0.064175243	99386	313816	71482	25819
	0.972852633	0.330206761	363	2299	524	603
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	0.002403399	0.003727123	5586	7190	4643	2177
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	0.000735197	0.026694616	8268	25994	3375	5856
	0.530494207	0.751820545	1070	5261	788	862
	0.259892897	0.049619656	530	2629	241	945
	0.324957701	0.007863905	20451	21370	3285	13084
	0.745133568	0.611106465	28	67	30	69
	0.115359603	0.144432235	12148	22195	2457	4200
	0.003015293	0.000707613	28479	17035	10472	3337
	0.217232255	3.77676814802737e-08	14711	57063	72730	100205
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	0.936928108	0.006320534	106	808	145	96
	0.729214805	0.000137597	1943	10893	2951	1333
	0.480834001	0.004568066	303	2858	864	307
	0.276408735	0.084783766	1341	1954	1323	1959
1.67132862864173e-12	2.08807119805893e-12		739	25200	333	4373
6.63875999628926e-22	4.97200113226636e-16		2071	158996	2232	16382
	0.037472089	3.05534901888543e-06	11485	60406	26320	5293
	0.764925109	0.035006952	47	2012	45	100
	0.795202397	0.004153665	3860	7133	3388	1377
	0.246111927	0.00011715	4	68	7	59
	0.19653852	0.117313381	4620	7008	1449	2537
	0.769242151	0.743928373	1812	3887	1419	1910
5.9156790094986e-08	0.001212727		22957	14729	8412	7972
	0.001606579	0.055475009	19185	52000	1326	3025
	0.148094653	0.402780581	6657	15685	1262	1639
	0.284718974	0.167463739	4339	5849	781	1053
	0.430419125	0.027057371	2480	5217	1018	1892
	0.19275988	0.0896487	5701	24974	14375	12419
	0.10520109	0.524168028	24415	52412	12920	13420
	0.758584148	0.925064242	3071	10062	2062	2036
	0.955035378	0.628670373	5791	12923	2911	2966
	0.342650928	0.958978044	28246	16503	1951	2065
	0.547809924	0.864572549	1014	1379	519	546
	0.314831382	0.418272583	6	25	12	22
	0.065747343	0.739605755	1	8	14	17
	0.79013656	0.02599758	22996	29033	10090	13428
	0.15369656	0.12933023	1677	9173	3086	4977
	0.010401326	0.011368338	1145	4509	2391	1231
0.029951563	8.85636175923805e-06		3000	16070	9305	2653
	0.77224721	0.827881729	7456	18167	4983	3679
0.029163411	0.128855023		49027	83942	29278	18218

Sheet1

3.10929497911118e-06	0.000135711	11821	41006	10393	8262
0.000831591	0.555948877	15046	133037	1282	819
0.144563648	0.240553633	719	3590	1789	1256
0.956084223	0.448877793	321	1857	487	275
0.258624891	0.297229537	563	1728	835	566
0.836422243	0.436571164	6681	7929	5930	1422
0.652601868	0.053871616	10	104	24	74
0.142998474	0.037335749	2158	4381	3370	1758
0.782177337	0.047978962	3561	9486	4223	2190
0.757203224	0.284563775	644	2420	738	531
0.505846251	0.245541108	3832	10733	4342	4836
0.131397767	0.867800427	157	860	424	522
0.905944692	0.006434976	18026	45737	8880	24359
0.800873797	0.004955363	3196	6675	2340	5353
0.911122963	0.016521476	1191	4782	1301	2818
0.768712559	0.001645997	1519	5437	1085	2797
0.060437154	1.15840819103397e-06	3093	5605	1135	4037
0.126427194	1.73931867757043e-07	7535	22848	2975	15269
2.18495003102607e-06	2.45888525734036e-12	5422	8480	1476	6072
0.609961496	0.041975713	1242	1246	600	814
0.775346634	0.0592003	3353	1262	1064	1213
0.146049041	0.121650939	991	287	380	386
0.1652753	0.026327707	2376	642	789	903
0.399692328	0.000260959	2967	582	1332	884
0.091824006	0.002340762	1240	584	1314	817
0.812554785	6.70674506072778e-09	4570	651	4107	4796
0.892311975	0.569842451	5958	11848	4398	2005
0.063545557	0.033915035	2192	7106	1429	1856
0.006027749	0.258268779	386	1735	861	549
0.009585662	0.048248174	201	1021	406	544
0.713652083	0.063353959	7415	10836	4162	4397
0.120713164	0.001393542	2879	3488	1071	1643
0.011634389	0.091228468	9	49	86	34
0.009810333	0.655606417	1323	3197	4530	3292
0.390179861	0.247077714	5279	4781	2415	1909
0.273187349	0.880835721	2596	3285	1357	739
0.539169042	0.338528872	7891	10616	13908	2326
0.331866606	0.734077951	33099	38223	125882	12359
0.533291833	0.185619137	44	361	81	145
0.37313845	0.364274582	35	642	79	94
0.010666671	0.208020877	8569	23285	5097	4771
0.53201973	0.163999701	4676	12552	4053	1355
0.577954846	0.895946092	0	2	2	0
0.79584398	0.307273466	10977	12074	7231	2243
0.882802727	0.041198113	672	2588	1058	399
0.049447045	0.630557784	1070	2510	1650	1609
0.823882218	0.027248474	22539	32087	37349	9993
0.544549375	0.129971833	58729	58704	110178	36299
0.978581348	0.623256393	4298	7910	3180	2953
0.707796574	0.910069007	3017	8807	2090	2214
0.04230639	0.261086901	6034	17172	2612	3530
7.65510143006851e-05	0.006331759	3789	16958	2107	3684
0.081476311	0.949061658	22983	20168	29530	17842
0.249588286	0.832222197	75568	80048	98785	55518
0.199121016	0.571438898	11992	15837	21781	8560

Sheet1

0.270228404	0.328171404	31916	27904	63597	22834
0.517823349	0.233527207	24695	19965	40686	14672
0.673947756	0.234603249	31862	24844	59636	18707
0.731759402	0.156593015	26458	35220	49500	18620
0.761518666	0.085744949	71806	76670	138869	43721
0.975347066	0.05555278	38007	25582	65585	17060
0.798974628	0.039189949	11408	9819	21146	6193
0.986998003	0.044437911	19218	20114	36893	10201
0.731759402	0.031646052	57373	26596	82044	20753
0.849168996	0.012129137	14150	16861	33022	9008
0.524906273	0.008405446	34204	22833	59624	15767
0.441518833	0.022574341	29576	13557	57939	14711
0.401851109	0.020265193	36730	31292	96700	25802
0.25773728	0.01150377	36007	23571	68628	19655
0.186758356	0.010461397	31849	18084	49731	16537
0.390311668	0.006053038	9941	9766	29117	6342
0.554849732	0.005872277	5159	5084	13617	3750
0.554964979	0.014224096	24751	24762	50468	15261
0.713806987	0.014737283	35830	32772	83347	24023
0.468394736	0.002975861	18270	17696	39512	10755
0.315444808	0.00150972	15268	23162	52587	12735
0.559517848	0.002851897	26351	59990	72472	19944
0.668126457	0.00168567	6928	17856	18149	5644
0.909988888	0.002533525	11404	36535	32525	9043
0.857704549	0.029757684	37212	64113	117166	37988
0.745344774	0.027732513	12184	34498	39600	14049
0.556377769	0.132962	915	2847	585	1263
0.001266731	0.00271984	54389	249177	30445	53552
0.070053966	0.124091341	14445	33480	16521	11651
0.204911312	0.830167539	57	147	133	166
0.531251497	0.855960077	5932	19817	11131	3731
0.611835564	0.372193693	3797	7689	3878	3093
0.148552469	0.946767457	38	76	73	89
0.271862877	0.018459462	516	4305	786	2096
0.798635467	0.141879625	149	518	479	236
0.825211496	0.529417715	1161	4367	907	1300
0.344286188	0.951452276	18340	30226	23000	16084
0.457172214	0.910069007	17275	20359	12578	11053
0.000229997	1.10600885267794e-06	181	1407	75	540
0.860716766	0.904382031	1724	4010	1582	1483
1.38106239210892e-05	3.5502896633392e-12	246	3142	674	3812
1.75348781238315e-05	7.80916955749650e-10	317	4181	676	2666
0.001012916	0.005376942	617	3918	472	586
0.52486898	0.468278436	6	21	10	14
0.81984383	0.144118659	17	85	48	63
0.385035617	0.102170764	12	74	27	32
0.881431154	0.794798505	4283	10532	4867	4597
0.526572964	0.486307057	833	2520	916	1111
0.397691996	0.397275572	284	809	171	320
0.805611607	0.030098385	3332	5316	3408	5025
0.408429485	0.732274556	2376	3132	2993	1807
0.119627715	0.262788692	7535	10698	8157	4740
0.148132229	0.110088364	2232	11121	1924	2206
0.155780525	0.28667996	6317	5876	4027	2030
0.108262938	0.121489973	3819	7227	4293	1846

Sheet1

0.388298496	0.077883904	2004	9855	3472	1460
0.30359912	0.026574215	2977	10706	5156	1456
0.978919204	0.000735155	7449	32696	26449	3036
3.53088499315964e-11	2.6718824864851e-20	1470	12147	1221	9962
0.000902746	2.1700385835922e-06	1723	10373	3805	8555
0.000931421	5.0761533701774e-06	1020	7672	2448	6290
0.902142452	0.090950303	1266	2584	1398	772
0.602926617	0.716384868	32277	39766	55527	14709
1.38831391589584e-11	2.1236914367432e-07	5046	86978	4877	11271
0.255718578	4.11419702937094e-15	169	1477	613	3135
0.021301164	2.27820039122253e-06	256	388	871	1181
0.019059419	8.64953090214264e-06	244	821	1035	1570
0.113342669	6.62407899805176e-07	638	2256	2246	4693
0.079683244	0.006680819	233	849	320	891
0.414235632	3.60543432274457e-05	227	809	354	1021
0.390451294	3.05776347162916e-06	1346	2686	1427	4835
0.371593924	2.11104080202521e-06	824	1660	1108	3489
0.000144196	0.086036843	6048	87066	8257	20055
0.518694605	0.323820315	7852	14821	3987	2621
0.461793486	0.739228415	372	2194	981	1417
0.259922393	0.997264522	442	3505	1040	1999
0.041017818	0.00271984	616	19217	62574	8248
0.243344554	0.006373637	85	3877	158	1035
0.323647323	0.009661345	1661	3000	3048	1493
0.039654548	0.000317959	2983	3277	4532	2064
0.100048774	0.093247817	1262	10391	1846	1244
0.984268624	0.162934976	359	16928	19207	8113
0.213106066	0.185619137	94988	59197	14622	18598
0.162241273	0.65212215	20490	15284	10130	7109
0.108754231	0.277469045	5521	14695	2968	1795
0.902499265	0.324744518	1731	13414	3127	3003
0.339443726	0.98179764	44411	186286	60136	70292
0.081476311	0.262765094	8964	20983	9310	5523
0.800679289	0.841753741	2948	4933	1370	1659
2.06804482499441e-05	1.52959285251935e-09	1221	18303	1110	12086
0.000693913	3.83034694714384e-06	1284	2519	1701	695
0.028459536	0.789768294	169	471	433	796
0.000411274	0.376974568	5875	46182	11252	4627
0.003412881	0.758127009	12901	61698	7247	8965
0.722718584	0.598649931	1546	3651	1084	1273
0.62589054	0.396200644	106	535	77	108
0.457930638	0.938633188	128	680	116	111
0.064991812	0.817949883	2381	5907	2052	1476
0.000682968	0.050391591	1008	3590	1126	1344
0.773767335	0.203088591	196	1344	244	222
0.244173377	0.415794017	5453	8545	2187	2239
0.418868014	0.030474433	167	758	398	365
0.045352839	0.692988692	15657	19448	5962	3816
0.239358625	0.560868476	479	2113	466	717
0.010387781	0.000227678	865	8769	1064	2778
0.000165936	0.002097511	1683	16098	1746	3754
0.223495829	0.761036908	1489	2661	1000	1432
0.963255634	0.060537433	6324	6310	3371	5045
0.581522787	0.81690688	3714	2637	652	718
0.435177679	1	234	451	248	317

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0.275932343	0.012058265	2849	4395	1063	1838
0.090204586	0.000879269	2728	15818	7468	4431
0.487027705	0.099894305	5079	15673	9463	1980
0.008363648	0.000445693	734	3458	517	1231
0.861705437	0.000821141	7834	30116	17889	2127
1	0.054158856	18362	30608	55180	6321
0.749519062	0.024252464	26	362	104	46
0.0349331	1.89235730941283e-05	972	2843	1805	607
0.020824512	0.000462881	504	1144	800	376
0.963255634	1	635	3475	1995	1255
0.167627278	0.323070678	672	1809	421	700
0.021901052	0.835832663	4210	26066	3220	5085
0.233963877	0.196904544	7563	18771	5164	3364
0.100539756	0.415794017	1646	9351	1654	1242
0.024557166	0.000146042	1684	6009	993	3393
0.023417087	0.003300427	3513	8050	1544	3295
0.245126582	0.002628917	8822	9042	3506	1691
0.007430513	0.037492266	2018	23717	3862	5827
0.439819201	0.128624035	14436	7848	4639	3059
0.29173251	0.009610193	6509	2934	1656	847
0.623581575	0.850624899	392	3799	973	975
0.958658122	0.029450147	3756	5789	2985	1243
0.928266098	0.513615132	4	22	6	15
0.036517305	0.008821804	6512	10865	13188	5643
3.12369330789819e-06	0.837602367	3250	53291	9073	4195
0.001271869	0.01330667	1523	9403	2021	4074
0.389808693	0.692988692	327	1045	579	550
0.478644593	0.434454231	209	1069	304	694
0.063146972	0.014420938	1356	4978	1500	2109
0.960273226	0.363187775	2848	8244	3009	3065
0.459575564	0.031859669	268	919	294	247
0.67084772	0.003105983	676	2134	724	371
0.870828156	0.783740602	15525	13977	3580	3004
0.000329754	0.166793119	29331	427089	64664	12814
0.122394309	0.066171122	2740	8716	1889	2578
0.97618725	0.915410601	8731	15829	5159	2826
0.150654304	0.01071731	2464	4318	1284	2891
0.209282174	0.971172383	6772	6800	3561	2814
0.000269037	0.799776357	671	625	874	687
0.000137183	0.588777698	2489	1535	2211	1585
0.094309613	0.729089781	12	66	64	61
7.07527911457645e-05	0.467787926	2754	21429	8339	3159
0.798974628	0.447483287	32	121	60	109
0.05490632	0.365854208	1486	5869	1596	1722
0.000310612	1.0353606105869e-05	2339	11036	5467	7537
0.002116967	5.01163436567676e-07	2851	13714	6286	9397
0.501610081	0.782562917	20148	20713	1223	1170
0.148094653	0.771220169	13146	15057	945	821
0.695863315	0.364274582	6368	2923	435	515
5.29940415685773e-06	0.189879161	5373	48919	5762	8010
0.000723918	0.157004524	1356	9898	1641	2575
0.007151626	4.20052987325339e-08	2613	11170	17772	1372
0.804593725	0.000959501	8989	45522	15324	5470
0.963062087	0.02944329	347	6701	2082	597
0.000526335	0.317097953	7802	56500	6316	4818

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0.005509812	0.041198113	1115	9918	1044	2313
0.313207523	0.000480439	4432	20504	9117	526
0.190755731	0.02632005	491	2116	766	1352
0.015283942	0.079347165	636	2343	765	1206
0.076469563	0.007951183	11001	10914	5147	1667
0.139729475	0.073836909	29806	23179	14933	6790
0.111103936	0.008273993	2623	5843	1899	804
0.024174704	0.000751179	4125	5108	2412	637
0.005840072	0.02342225	3410	1410	1923	657
0.006947431	0.004973812	14496	7108	10428	1743
0.032925863	0.00361539	16537	28751	47705	4798
0.014744538	0.010609828	15899	7317	10023	1444
0.017777446	0.004477468	3093	1841	1717	245
0.057183061	0.001781831	25298	32198	44848	3231
0.116513804	0.000239429	2510	13914	23912	1509
0.191779851	0.01238355	2708	2451	715	1382
0.719503315	0.000396666	2830	15385	4018	1079
0.303112781	0.024907863	44	1906	580	68
0.898403756	0.324894549	149	1498	642	386
0.001153033	0.906213608	8010	29958	11218	5449
2.43128215879761e-15	2.65565459658356e-11	5014	89908	2619	17305
2.6451881768873e-15	2.45103641232097e-08	1220	32209	811	3400
0.204911312	0.225258257	20	61	23	29
0.011338581	0.128644359	39467	46713	8857	8084
0.000771566	0.00124016	2008	6256	1211	2408
0.001789986	6.39161815564275e-06	1137	4774	1681	3240
7.80669969776267e-09	8.24204322845481e-07	30956	322603	36012	73216
3.57334915725609e-12	4.40543508887575e-07	5459	96561	5524	10299
4.42077335878753e-10	1.230093909638e-06	24314	225296	18710	38048
0.009142702	0.64708493	1697	17949	4459	2814
0.312788778	0.67174528	75	730	392	187
0.575847238	0.852259475	32	976	56	119
0.084770292	0.047201957	3951	1492	6850	731
8.76514327775683e-12	1.52012935440157e-06	778	70119	1712	11262
0.144913499	0.144118659	151	550	188	151
9.82776225102049e-06	0.861224717	2061	81742	16452	16517
0.017098684	0.897604256	877	3203	1039	986
0.364363779	0.005457232	748	2162	2608	2122
0.659060968	0.0159484	1203	4284	2557	2546
0.128318797	7.34225274830945e-06	136	511	373	717
0.074266726	2.93442476573572e-05	471	1446	948	1822
0.102359095	2.09855188318053e-05	787	2098	1515	2476
0.213668972	4.86814567396073e-06	1212	2479	2289	4016
0.016599199	1.92306583320914e-06	184	1468	494	1547
0.000808769	1.46909257828662e-09	120	841	198	1052
0.394030584	0.671865191	13	72	31	30
0.368596266	0.113854114	519	2443	1620	2239
0.140230546	0.833389478	365	1448	1379	1019
0.462499762	0.625842051	4	47	12	44
0.919357036	0.317389439	7	109	4	32
0.765657915	0.226578202	70	383	103	266
0.008280574	4.75765262380305e-06	4200	13212	3755	9167
0.001511988	2.02539325453148e-06	6986	37375	8946	18945
3.90872862001765e-07	0.865985886	2665	53835	2442	2941
0.000508935	0.097380227	391	812	970	661

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8.45256404903139e-08	7.68881440097202e-14	11019	13671	1234	8643
0.087313718	1.33413849202668e-07	1205	3023	684	2409
0.015805071	0.013233593	6095	8606	447	1422
2.63711083718441e-05	0.000303796	2274	51890	5032	10490
0.830587551	0.518115586	3	4	1	4
0.010133446	0.875969104	14333	77181	13868	10836
0.612820851	0.483789062	6	54	12	7
0.057663492	0.053253135	1463	10110	1226	3030
0.451683219	1.72323388084222e-07	28483	19660	9197	26654
0.218749812	0.274833276	4581	6505	4048	2132
0.109674719	0.238594909	1469	8018	1305	1983
0.014270207	0.000480439	729	7267	1147	3364
0.209219346	0.000562412	997	8669	2705	4802
0.02541146	1.52115860428954e-06	408	4483	1271	2670
0.040075017	0.01457679	919	14508	4112	3788
0.268123309	0.789768294	15	49	30	35
0.057663492	0.617893234	82	214	164	305
0.030485999	0.058844486	11072	39040	10088	10549
0.000728136	8.01636385468867e-07	3380	62536	22147	42086
0.068452817	0.996117795	17296	114732	20424	16425
0.0008111	0.009679917	693	9088	1640	3318
0.113342669	0.498363446	205	1115	220	355
0.005498673	0.359284952	428	1968	654	656
3.04002059193751e-16	2.14934033498781e-08	10729	70241	3569	12372
2.19369930116818e-31	1.45129306198047e-17	1357	103833	1537	6647
5.96622060785604e-22	3.93843962621942e-13	10603	361564	6939	31801
0.093189589	0.058378408	55795	28463	18302	24747
0.169922355	0.849443994	4324	3662	2418	2055
0.652269129	0.059573623	231	1633	358	506
0.696350269	0.283571259	349	1663	733	856
0.235475905	0.381292973	285	678	531	629
0.046379559	0.612994839	145	490	392	286
0.009644008	0.881468668	129	204	183	241
0.959487763	0.522108593	344	1794	777	857
0.229666526	0.645601045	1745	8960	2097	1680
0.183244677	0.844098059	300	763	675	620
0.107218144	0.616682387	486	850	1038	951
0.420188736	0.422673323	129	456	274	301
0.711953873	0.131697711	215	761	685	637
0.993752888	0.003492726	1836	3429	1717	2946
1.2363687218407e-11	0.009806169	2719	96686	5722	10132
0.656010642	0.057525219	63	775	118	280
0.785897026	0.787070389	605	1803	872	579
0.95162906	0.17002788	396	2661	845	525
0.266919656	0.08964095	1867	3256	963	1068
0.034152296	0.007407259	4178	7456	2304	3080
0.079550019	0.057518632	860	892	538	361
0.271941033	0.226848805	98	224	136	277
0.081451952	0.389292824	6480	201295	20312	6658
0.681043556	0.79810992	40	198	107	123
0.193328143	0.236876087	824	3552	1178	1190
0.630802935	0.517767083	565	747	664	363
0.192961248	0.939233082	739	1156	1287	1026
0.113342669	0.322075279	2591	3296	3136	2198
0.365948823	0.171760133	1092	2067	1234	708

Sheet1

0.115705142	0.165596558	687	1123	864	411
0.008248983	1.24209939916502e-05	8022	9661	7287	1808
0.032258354	0.167525823	1215	1617	1959	986
0.31030964	0.977133609	3859	3252	1332	1182
0.214680906	0.273123283	447	1256	628	561
0.142618944	0.400577002	32	249	69	118
0.745395224	0.855491936	1	75	12	23
0.008124385	0.028320176	492	2428	521	1070
0.003949409	0.026556775	51053	138521	48586	47752
0.531251497	0.39235749	18	217	122	61
0.798635467	0.998137656	26	290	40	72
0.248950469	0.001436747	7924	16271	10578	2434
0.004758205	0.622791377	4234	121590	38685	38264
3.38325462321882e-09	0.000115855	4374	500858	32298	123018
0.001547568	0.042292148	38	217	115	511
0.084539718	0.755207845	10	34	18	29
0.521127556	0.950476496	17879	7719	1802	2171
0.805611607	0.889638732	22308	6910	1169	1033
0.147900928	0.881900233	25431	11018	806	404
3.95092790618387e-13	2.68399251125225e-13	3129	9573	11868	2036
3.39166221097078e-16	8.00981430916372e-16	2214	6712	22323	2118
0.193502603	1.27241350654738e-07	325	15385	2425	13721
0.508464656	0.146656258	1190	9285	6507	16436
0.095782888	0.943150374	48181	15771	938	1276
0.00148099	0.083222911	690	8410	546	1310
0.294410352	0.67174528	9	31	10	26
0.17995046	0.013288814	799	2132	916	1511
0.213416789	0.024728761	82	703	69	194
6.53788521700063e-17	0.002432286	1696	10632	776	1364
9.50272332777799e-19	0.001327511	326	10835	170	291
0.490706697	0.664551331	19266	7936	617	1387
0.658508159	0.21507493	747	8195	1119	1372
0.560365578	5.74326517943866e-06	224	892	172	519
0.896577565	5.63202225105499e-05	792	1947	791	2109
0.000212414	3.72349507773824e-08	842	7932	1274	3261
0.144588108	0.864572549	277	3419	262	206
0.000297968	1.78595408450017e-17	2348	33141	3058	43778
3.92472541123751e-05	1.73667953455421e-20	5322	25864	2194	44132
0.090471977	0.218578129	4046	80205	19039	11094
0.119627715	0.048835779	1454	2981	1180	1343
0.169718981	0.904382031	122	1127	397	374
0.044385091	0.556907079	150	1347	336	299
0.0026709	0.000106371	7878	37332	4069	15271
0.280120412	0.758281818	731	1673	632	495
0.000401011	0.27968463	379	1815	192	230
0.805611607	0.272711041	0	12	6	5
0.029530286	0.005913503	3393	3123	6953	1408
0.075768348	0.00271984	1116	1598	2424	619
0.001586079	0.002402836	1100	2313	2276	881
0.003387813	5.81791535747762e-07	83	1764	1020	155
5.27401582501162e-06	5.21653270536607e-08	1046	4675	3802	1250
0.001147302	1.26531390376833e-07	12021	15712	2427	10770
7.42697998070746e-05	4.69763790966813e-13	2732	4676	840	4410
2.55440824587884e-06	4.17684941721446e-11	1362	3603	446	2107
0.003122546	0.65197857	411062	421698	18386	5716

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4.69549370387703e-06	3.49381518887747e-06	8595	66407	9006	25341
0.007159131	2.08118974478119e-05	5071	12747	6938	44926
0.013979137	0.195202101	46	762	408	426
0.211685437	0.029489891	1031	2006	853	654
0.122419959	5.99673039068123e-11	73414	93887	32934	8163
0.393434964	0.001099014	151	4556	1906	1004
0.487076303	0.526557876	703	1116	1097	182
0.507258299	0.744010329	608	929	923	183
0.522831767	0.290088365	330	659	576	92
0.107218144	8.15262505280072e-05	8302	13537	5849	2395
0.964561262	0.678754767	29628	18224	5890	4237
0.231747091	0.040224559	10296	10638	3844	4146
0.031431346	2.86419000064759e-06	6858	38222	3548	24660
0.309495603	0.794005303	39	137	239	66
0.055584866	0.552296669	1518	3004	11707	2842
0.851109913	0.068305895	65	266	1260	149
1.24011419338738e-06	0.000438701	3473	13818	1664	3390
0.000358537	0.005243808	1651	8519	2621	3129
0.151830779	0.307883132	191	351	16	37
0.165815126	0.665329811	46359	30381	1374	2530
0.236671119	0.004260608	838	1579	490	657
8.45914450147967e-08	1.12379218494076e-12	1253	36170	1998	70843
0.213806521	2.07713225279574e-06	7908	39790	3526	22431
0.476095162	0.107139425	309	1895	177	987
0.006926177	0.038332503	3943	4685	1063	1219
0.000770158	0.003929351	6308	10215	1571	2471
0.001333979	0.016180405	870	1605	4214	1030
0.000229997	0.004075087	459	813	2666	581
0.000737836	0.002533525	959	1106	4645	910
0.008824385	0.022528169	855	1407	3235	935
0.234731879	0.077831101	56	217	216	186
0.014413674	1.75950553349459e-05	302	8445	14083	3293
0.058939591	0.005404014	11781	20994	35462	9656
0.304147804	0.214245274	181	803	578	451
0.126184516	0.011368338	1642	65873	55829	24617
4.01953092711986e-05	0.007909973	2376	7130	659	1178
0.281828061	0.010353965	16	169	51	83
0.10587321	0.650220312	67	300	166	193
0.368596266	0.27178352	962	5595	836	1469
0.000189531	2.36338271795754e-06	329	3166	434	1892
2.84032697255057e-07	3.17187741771108e-10	888	8750	1035	4810
0.441548668	0.806070605	802	1518	936	750
0.047318859	0.6878866	4493	3200	4398	4528
0.380564883	0.522391221	696	753	561	521
0.795584177	0.001646162	431	734	455	894
0.227988032	4.86502374468774e-06	1501	1372	748	1484
0.461442391	6.02597094132172e-06	1354	1736	991	2160
0.390451294	4.17263325205327e-05	3449	4043	3028	6167
0.314945018	0.271321975	687	1263	1244	1070
0.299053463	0.8749372	201	857	485	553
1	0.558966493	135	755	352	436
0.021004687	0.009649903	406	1228	1420	269
0.139241091	0.059317981	674	1350	1751	446
0.684084061	0.065470037	165	810	415	157
0.559542373	0.463130313	1259	4083	1370	1477

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0.073988498	0.408040258	3620	36927	8198	9090
0.126449014	0.243354719	4478	17782	4329	5195
0.457930638	0.223923769	450	1547	614	481
0.554849732	0.812283019	3597	10293	1449	1515
0.164117918	0.895946092	1928	1773	1267	1051
0.193828461	0.798517385	21	33	57	34
0.172435897	0.055619629	3083	11403	2883	4529
6.6912882736063e-05	0.004352803	2252	15928	1948	2916
0.00063955	0.001353549	17123	45501	13440	16783
0.000912333	0.003096785	17516	45871	13979	15592
0.207547361	0.59635176	2484	4481	2075	1889
0.059065093	0.8629758	6639	12718	4845	2220
3.29831196603953e-10	0.0001908	23140	32510	2849	4396
4.43258770521585e-08	2.10915117037514e-06	13909	81454	3543	14519
7.27875012209402e-06	0.000843705	11182	25261	1728	3609
0.406702725	0.227273269	26	161	68	120
0.603682974	5.58898072152069e-08	64373	25568	11238	28129
0.427856797	0.317257075	207860	244653	70910	31785
0.851559689	0.98179764	565	7675	646	1349
0.037369135	1.85480423688413e-05	30333	30899	5707	25465
0.582498713	0.437608099	2041	1594	643	888
0.471807946	0.150378235	179	659	100	126
1.03908168725034e-16	3.87774826831403e-10	1088	1916	6518	2642
3.90872067191474e-14	1.36908950464625e-06	824	3231	4519	6192
4.89652573362247e-08	0.000389776	1	8	8	5
0.209930624	0.073836909	2401	9637	4877	5569
0.000212414	0.008367771	546	1932	1374	1323
1.48970085497377e-05	2.25765886511193e-05	605	3071	2595	1757
0.475431728	0.000989209	2	70	4	81
0.420475819	0.98816932	17	111	59	52
0.955035378	0.656340673	129	7720	9398	1184
0.711752529	0.956102318	2438	74347	120721	19118
0.251087452	0.715527622	298	854	742	672
0.53201973	0.018477115	498	4501	940	386
0.845682081	0.034049141	1242	6528	2098	928
0.820639781	0.146656258	11020	29612	13372	6207
0.447102773	0.690785456	5	47	12	25
0.0283704	0.619704947	1015	701	1069	700
0.95423079	0.526557876	38	51	28	28
0.891999879	0.083222911	4583	7848	3548	1875
0.855356929	0.518219906	2161	3209	1645	1105
0.000565491	0.000431188	4710	4624	4580	1842
0.000391072	0.000558752	3007	2634	3045	1091
8.71798033045015e-06	0.000257421	4223	3175	3967	1277
7.75220332617402e-06	0.068618522	2494	3009	8465	2445
0.825211496	0.421900135	13	88	24	51
0.002053477	0.307273466	3830	6554	1517	1790
0.006681562	0.407868124	5190	9473	1910	2105
0.990557052	0.280420923	34627	266170	96760	53248
0.021301164	0.028682773	2360	2947	2612	1326
0.000922041	0.004074765	3560	3183	3801	1833
0.585900661	0.285655299	2124	1769	2947	1675
0.674796206	0.396997885	2128	1672	4228	1123
0.789279175	0.387789595	5846	3425	22528	2569
0.060553994	0.065470037	164	1845	1155	712

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0.107902315	0.008918327	1606	3923	4756	2278
0.109792224	0.001176321	7895	16555	4985	7431
0.001920082	0.000633227	2242	9860	1925	3532
0.00125223	0.67489401	2443	19511	824	887
6.83327418753639e-05	0.125142395	15733	46273	3809	4465
5.0569456416149e-05	0.040586948	15927	27919	3861	4933
0.365948823	0.214665395	33802	85639	37161	17579
0.003591163	0.053250154	43076	88357	32094	29231
0.024474917	2.25777318448536e-05	16153	29650	9989	25530
0.003804393	6.53176540461079e-07	54848	188793	37989	132484
0.427826569	0.43108471	2264	5198	2609	2810
0.851109913	0.674404133	5584	9058	4499	3907
0.956072672	0.258663576	3164	8056	6135	4698
0.013463088	0.196322236	722	806	1966	1173
0.007986962	0.447291686	1645	1948	3371	2304
0.003066198	0.594649354	1545	1757	2860	1928
0.107528718	0.705477187	757	1608	1894	1198
0.379855042	0.359955926	21681	87361	43338	27285
0.058939591	0.002266862	2999	5812	1957	3117
0.349636669	0.578724886	66	557	216	240
0.015115057	0.121194791	334	1043	806	584
0.176409924	0.146743635	166	552	363	522
0.881431154	0.04879339	2477	2870	1678	2395
0.311754753	0.881978396	344	603	365	365
0.394030584	0.775411076	379	915	625	648
0.372657896	0.830167539	303	765	485	435
0.154586242	0.944508659	183	511	307	365
0.761518666	0.939233082	47	207	81	126
0.035077638	0.001646162	46261	30095	17483	30240
0.00160985	0.415794017	154	500	248	504
0.021103879	0.335065276	135	204	212	343
0.01641242	0.295626012	136	544	132	483
0.024174704	0.134032594	75	631	108	248
0.003961637	0.00401018	47650	13415	4678	3109
0.421386778	0.036304043	1593	5061	4123	2969
0.494572103	0.292291355	709	1694	2164	1425
0.729607049	0.830167539	62	610	364	247
0.411972967	1	63	553	390	238
0.626023666	0.938633188	391	1795	1036	875
0.216938169	0.608637738	520	4640	1382	1036
0.013385057	0.67174528	104	2038	335	286
0.002081634	0.530349008	324	5875	1054	975
0.003987013	0.001906429	812	4741	1457	1932
0.012053589	0.484913495	336	2055	541	311
6.96099881003301e-05	0.018664319	1029	3448	915	782
1.26839945216535e-07	0.000162886	2499	14412	2013	4294
5.26574599270907e-07	0.001564187	861	6436	818	1254
7.19103427747109e-08	0.000130123	1873	10846	921	1909
0.040336072	2.4040668084432e-16	802	16577	842	41013
0.544496275	0.270886105	3744	3051	1175	2016
1	0.245221882	2926	24830	8035	13890
0.023417087	0.254904101	1011	4476	1035	945
3.90450236700191e-10	1.03500198832495e-16	1024	9126	731	7865
6.1464143455894e-07	1.42900602265656e-19	1754	4894	2018	13925
0.731759402	0.010292372	377	385	167	421

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0.490854391	0.011763567	4047	18558	3899	1783
0.007986962	0.000289275	2444	4526	958	2237
0.319746267	0.52732505	159	476	253	409
0.582906741	0.215178119	448	1516	744	832
0.000876969	1.0256849750352e-08	603	2038	379	1642
1	0.825841256	584	1597	561	643
0.333530076	0.615643867	260	776	672	520
0.435177679	0.679719344	253	1033	644	579
0.280256857	0.232949761	12	61	17	23
0.729607049	0.005887736	659	4139	843	592
0.789095426	0.037957328	273	962	221	208
0.003002812	0.000221083	326	4350	758	2220
0.967400744	0.26433834	3068	157855	25576	23077
0.026133331	0.624147765	593	5691	4186	592
0.022207102	0.792417763	887	11250	9881	1173
0.004289384	0.446256534	1024	9050	9209	1832
0.285294739	0.353893653	25265	32610	57925	28386
0.063146972	0.407868124	13484	9852	28810	9831
0.151330343	0.549064862	27544	23513	45747	17213
0.049567951	0.689862245	12584	16057	20817	10131
0.045535681	0.273192005	1839	2700	5907	1842
0.0846402	0.112431966	1572	12282	9308	2820
0.005562259	0.165596558	192	2159	201	299
9.93151442136481e-06	0.056637193	8499	96737	29581	20733
0.014758579	0.002098815	87	736	246	677
0.069162923	0.694836032	26	88	53	107
0.605189997	0.196676302	2	97	36	16
0.223272292	0.065988683	13	172	10	44
0.304147804	0.033378111	209	2058	480	201
0.263213446	0.864572549	121	355	192	166
0.578822505	0.704924602	4	50	28	28
0.394030584	0.939233082	32	203	89	125
0.64769623	0.596947114	4	25	9	25
0.248041246	0.602959313	155	1228	278	124
0.998375673	0.112372362	3	13	12	21
0.000798023	0.558966493	1274	988	2689	1880
0.835630432	1	0	13	2	1
0.838545276	0.278376013	16164	24619	110001	3966
0.959729622	0.062291959	12111	35667	39509	5234
0.183342871	0.956633196	3	20	7	11
0.33223657	0.942780027	19	72	22	51
0.016977256	0.825303923	20	14	38	26
0.410983625	0.219536115	19	44	43	33
0.595090118	0.440404953	7	12	20	30
0.420475819	0.175820902	22	40	33	54
0.859036289	0.212379923	16064	29463	109801	4414
0.993752888	0.027628489	5114	20487	6570	2999
0.909988888	0.032105281	5102	21369	7476	3146
0.97913626	0.025841635	4976	19206	5318	2745
0.959729622	0.218846387	36951	43575	234045	8013
0.942305216	0.223294119	31577	39848	204169	7213
0.92957285	0.044491739	9042	32012	21021	4816
0.95775581	0.059365937	12584	35623	39384	5348
0.835630432	0.964189992	47	131	317	262
0.064384862	0.281732232	1	3	5	3

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0.866258858	0.469626676	26	295	116	79
0.412578864	0.547647265	4	47	41	35
0.553309989	1	2	41	32	24
0.91135592	0.743928373	18	75	87	54
0.603534973	0.907328668	2	32	42	19
0.418670547	0.19083794	1	20	18	6
0.064384862	0.889638732	19	45	48	62
0.154586242	0.513398682	1	24	5	9
0.988862802	0.652277153	30	469	478	188
0.196908291	0.474189226	1	19	7	5
0.913594782	0.657388347	16	151	123	66
0.991014802	0.664791265	2	9	22	12
0.996756551	1	4	102	110	56
0.905091713	0.86928847	19	118	163	62
0.150676472	5.16493395284937e-05	12	111	109	209
0.343421466	0.218305885	0	18	71	67
1	0.307883132	0	10	15	2
0.121287923	0.142886802	16	19	74	53
0.143646821	0.27563005	4	20	9	18
0.241432125	0.006520489	111	780	370	162
0.636658173	0.881663732	19	198	119	61
0.648465417	0.425865298	7	82	164	142
0.591568387	0.638385752	73	518	444	173
0.240835649	0.270886105	12	59	56	16
0.046182111	0.011709875	0	0	61	61
0.506243072	0.241266522	16	131	149	81
0.503436287	0.131128368	8	51	30	21
0.046992882	0.367890078	3	19	4	11
0.038760791	0.267430108	30	213	149	164
0.922534108	0.189879161	4	15	9	4
0.376103921	0.397464236	18	283	183	115
0.898753808	0.415794017	2	7	16	2
0.64264761	0.532828614	8	46	160	94
0.315225938	0.81141928	1	18	10	10
0.803742338	0.762785155	1	24	11	13
0.456456786	0.099220442	9	55	119	41
0.280256857	0.358180032	6	40	48	28
0.612049182	0.996117795	14	180	97	80
0.470737045	0.810629485	13	71	74	42
0.995462865	0.189455835	54	428	287	286
0.463026104	0.023105371	0	18	2	5
0.484543148	0.644104774	12	62	24	19
0.395232711	0.139015282	3	45	29	101
0.984606863	0.688050043	33	195	186	110
0.697653032	0.63333253	40	248	336	153
0.636048453	0.195793075	4	81	70	15
0.720061592	0.598649931	1	20	7	1
0.311501663	0.059279007	1	20	13	4
0.348296708	0.262457764	3	16	13	12
0.885690075	0.770057335	3	16	12	8
0.505364349	0.51913603	0	22	15	15
0.590608429	0.530349008	5	116	180	187
0.9584173	0.005332686	26	93	85	161
0.079550019	0.863408742	12	14	137	21
0.980987005	0.423878355	7	56	159	102

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0.559893083	0.853521881	13	158	63	58
0.883447471	0.006106984	11	79	23	55
0.486536088	0.803200838	0	9	3	6

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Sample_5	Sample_6	Sample_7	Sample_8	Sample_9	Sample_10	Sample_11	Sample_12
22706	27872	39281	19181	29852	19471	18864	25373
27957	33686	48995	20716	37711	26160	27308	29981
1188	1580	1737	1621	3045	2626	1637	891
13393	6215	10397	4100	11285	14245	8840	6620
35685	22941	40781	11173	28706	34495	21318	23940
32565	33793	54729	11646	34939	39534	20363	34581
6585	11739	12764	20720	18884	12176	3757	10158
1611	915	1523	746	1908	1552	994	1050
3047	10588	26193	15396	16178	11737	2028	12850
245	328	432	5390	574	785	182	508
143	290	200	2418	405	345	75	218
2681	2210	2591	4768	3079	1954	1290	2066
5984	3605	7564	6153	2875	4332	5020	3469
36912	55661	59900	37606	34183	40414	24346	44788
6687	10128	12316	5894	13683	10223	7477	13848
19687	34327	39602	29068	28031	25605	15338	28024
28041	24808	20813	12983	15105	27578	26337	26929
20788	16457	23533	9879	13374	20350	19715	18897
19287	23915	24335	10274	15961	18584	15786	19191
11406	16150	15241	5518	12886	12764	9688	15306
10443	20334	21804	5981	15522	12856	11089	16400
7985	3334	4050	1070	4593	2951	8166	2563
5216	8188	6646	7379	10872	3257	2687	12508
675	196	556	198	494	435	187	269
2214	2540	3817	1544	6649	1864	1478	3046
87	66	64	144	96	99	76	41
581	358	578	234	589	370	1118	280
7557	5972	8103	3681	6907	2929	10017	4529
8479	12368	3843	114240	4751	85164	8715	5939
1552	1866	681	15630	867	14265	1298	875
7140	6131	2844	96703	3058	74593	6926	5382
2247	2445	902	31924	1632	21709	4661	1711
27908	6324	3853	38601	4852	82238	26859	2881
77848	19010	9718	123445	10349	306996	49165	10010
25887	5334	3104	44974	3702	87026	16035	2789
170	1419	1479	187	2691	458	286	1498
8995	40616	60918	8667	42389	7558	6040	38211
393	824	702	389	412	587	408	458
1516	1521	2040	1037	1400	1749	1196	1424
1431	956	1313	1747	1126	874	667	833
607	412	621	557	694	521	454	468
2196	1097	1744	1978	1530	3897	2376	807
259	446	489	492	527	308	256	370
954	1236	1879	1662	1534	1452	859	1097
1957	1877	3414	4522	2529	2653	1225	1647
2767	5059	6113	5124	12258	4024	2061	6520
385	1774	2175	2621	2481	1319	293	1743
727	775	927	502	2783	326	500	709
964	788	1159	766	2521	480	715	1260
853	978	1126	897	3029	622	717	1448
1655	2041	2722	1614	5085	1258	1385	2570
1645	1693	2279	1020	3842	1155	1092	2112
7299	6115	11631	6361	8572	4897	5035	6292
977	597	1097	655	2089	956	561	678

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1334	615	1300	997	1712	1204	742	833
3799	48840	28677	18279	31136	7140	2235	60173
2523	1162	1771	706	4114	6555	1253	1137
1068	453	803	78	1164	155	400	514
1607	947	1524	673	1792	368	835	1105
404	523	876	267	654	232	247	718
2375	7102	6812	10725	5912	2033	1393	10191
10611	8533	320510	227448	14742	52917	4418	10583
1346	638	5251	6149	1855	1875	512	731
1734	828	1610	560	1278	933	541	736
544	591	854	184	1046	254	264	446
563	1568	974	215	1557	515	126	1748
1072	433	860	97	1112	300	376	479
1248	486	937	138	1088	292	433	474
1071	586	1127	332	1731	488	568	688
536	253	874	239	760	441	166	329
1997	914	2257	453	2105	752	801	1007
1768	907	2538	452	2291	633	781	1052
1322	791	2811	573	1819	758	502	811
1729	1028	3758	821	2402	1202	630	1098
570	651	2402	678	1261	841	322	737
913	2866	1735	773	4519	592	910	3147
551	1449	768	189	1989	185	339	1693
4316	2744	929	6017	8234	9772	2561	1678
317	112	274	12	276	28	108	128
1590	777	1467	199	2089	349	705	852
542	250	541	65	1155	87	372	333
1019	579	867	98	1233	134	477	557
1941	893	1866	474	1473	299	620	908
753	1565	1684	1160	1862	853	548	1320
3443	3319	7654	3325	3038	5807	3277	2915
2181	8551	6597	9917	56946	4175	740	1764
1259	2631	3012	1895	2715	1269	794	2014
2623	2976	4451	2534	11210	2881	1676	2592
8028	9475	20018	7509	21185	10689	7466	9976
8168	6198	12585	5093	10414	9187	6641	7852
10838	13150	19258	11281	16246	13253	8474	12719
1413	703	932	356	2014	397	485	846
821	438	672	168	990	194	330	555
757	632	603	231	1888	312	288	851
827	828	478	110	2636	220	391	884
3329	3012	2811	1530	6553	2492	1503	3860
2304	3625	3468	3433	7121	3445	1172	3682
47	34	41	27	79	48	23	31
325	192	484	221	624	192	237	317
51	49	72	83	160	52	41	66
403	593	639	244	1769	367	335	488
4843	37948	15394	9293	86448	3791	3024	10513
598	5473	471	1450	3166	719	363	2766
443	6427	331	1154	5024	706	387	4370
2127	8493	1458	1064	6732	928	848	5802
2864	19905	2333	1289	21116	2084	1565	14557
1883	11513	1573	747	13303	1152	1091	9136
1384	7940	1099	456	8339	834	616	6761
2243	8957	1844	597	9894	880	1108	7545

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317	2294	275	174	2880	273	221	2529
820	4746	763	461	6763	581	511	5111
2146	8004	1848	1140	7374	838	952	5121
418	1663	571	364	2623	417	284	2116
2031	6484	2311	1358	7751	1821	972	7003
1100	2803	1069	845	4228	991	517	3141
759	2379	822	863	3524	949	314	2741
1111	4592	1556	1570	6706	1987	565	4436
1240	4780	2449	2840	5725	2272	875	4214
231	412	294	349	1153	439	123	333
330	658	761	742	1873	886	173	538
8971	3413	1700	769	2826	3264	6392	2875
564	648	697	415	864	478	639	928
130	145	78	45	209	47	122	124
1895	5606	2170	27021	2888	22011	1600	2706
839	596	662	3245	1161	2915	412	613
277	331	266	1303	351	959	132	215
453	853	802	2655	1081	1709	298	870
1895	1519	2080	3882	2405	3046	670	1606
18117	13892	2591	8674	13080	15809	30038	6999
1413	23442	560	669	3043	1445	979	7828
1339	5651	1955	5032	6983	2103	1572	4521
14400	751109	21208	29894	231542	29228	8664	461405
1346	56982	2902	3283	19120	4503	777	36328
946	2354	2072	973	10944	662	430	1234
659	444	707	747	856	489	310	509
1154	891	1234	1341	1331	598	494	893
1488	715	1236	742	1187	262	542	701
1166	615	729	1383	1191	562	466	792
684	1843	1724	2151	2067	663	254	2735
5947	5212	2560	573	798	2909	1821	3918
8411	6994	4087	861	2341	2585	4510	5186
41	8	28	1	43	19	7	29
2999	10255	88521	7910	12625	2329	1191	15810
801	432	558	142	899	284	340	429
2074	978	1243	174	2270	530	821	1109
2188	2886	1702	520	2517	1085	1091	3691
984	3238	1077	382	1401	831	514	3375
310	144	159	105	211	113	104	137
3580	9772	16957	10378	11869	4377	2854	11956
1811	3054	5676	5019	6621	2628	1313	2711
1270	2028	3548	4114	4805	2542	1036	2136
2350	3799	5161	9308	8811	7383	1637	3136
3933	2518	2406	54474	2703	18012	1378	1872
1027	381	826	513	1411	344	419	660
1509	661	1088	337	1585	282	545	682
1881	1078	1445	703	2965	740	841	1520
2640	1888	2499	1013	3382	923	1729	2247
17406	1958	2050	1506	3548	6824	16721	2022
498806	11225	6578	26797	9072	353491	429243	4925
17612	2516	5752	9678	2428	54436	13214	1245
1348	531	898	156	1647	375	663	710
1245	358	697	188	1235	649	480	524
1380	529	874	240	1282	567	516	570
658	323	570	258	932	567	308	382

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1389	721	1113	365	1802	1085	601	907
1643	979	1574	557	1738	1736	768	1177
1481	817	1398	1187	1491	1899	861	934
856	5996	4351	2061	2209	363	317	6977
2011	1295	2077	796	2892	734	921	1143
937	2094	2283	435	2223	575	432	1433
2387	2975	5152	1209	4242	1011	1058	3227
538	1197	2237	1028	1413	428	287	1241
6999	24228	200990	56659	53533	21104	2726	8597
1574	7485	47254	12362	9579	7645	532	1771
144	121	1098	147	328	93	119	121
1540	1793	4758	3048	2788	1383	884	2340
212	412	276	6271	273	577	206	333
4591	7954	22001	91140	7157	5270	1941	18394
34	45	40	186	41	15	18	109
3737	18151	1195	727	6088	1087	1615	36103
3182	10712	1500	412	4296	636	1521	19030
2421	6361	1112	141	3451	306	1003	8624
2730	4785	1682	584	3124	519	1110	6090
3093	9850	1681	2496	3390	1054	1541	10700
2088	1852	5740	4800	3562	1721	1198	2210
3495	2098	2961	858	7696	4405	1348	2009
3792	1074	3362	412	4265	5920	1329	651
1094	393	978	189	1236	1645	342	125
37957	13515	48844	7520	35683	71211	14312	4217
334	512	645	646	624	918	170	269
8670	183501	350097	57032	452353	25483	3412	73609
229	527	636	419	1511	90	41	116
2459	1198	2242	1323	2783	2802	817	1228
1026	1186	2259	213	1588	360	665	1133
34	5	14	2	23	9	10	19
1686	744	1263	195	2199	314	751	825
98	70	62	34	187	66	56	102
270	88	170	47	618	87	145	222
1625	747	1264	397	1961	552	693	914
2320	1018	1887	646	2811	830	1070	1128
40	30	59	46	81	53	31	39
711	472	590	577	1217	847	393	623
1501	1560	2717	2861	2511	1617	877	1351
1846	1555	3445	2719	3013	1807	1065	1610
2473	3445	5348	3176	4500	2745	1478	3186
3379	4759	3666	2246	3404	1919	3081	4513
5487	9790	8121	8146	9896	6099	4415	9560
6261	14342	11014	8836	14106	7384	6307	15261
16636	68100	42678	37386	54201	34382	16105	55350
19120	60266	49490	42584	53698	35232	15101	45932
1254	4009	5849	4356	9516	7408	726	3131
4241	6650	14302	11983	7150	5416	2241	6953
758	1276	2783	937	1611	372	463	1287
1064	13850	9546	1161	4763	1117	720	6823
1147	42145	9402	1548	13039	1243	673	7424
12799	4188	4030	5260	6106	8269	16099	2859
12375	767	2472	4082	1939	12581	9833	1073
10754	1922	4195	3272	3913	12078	9654	3050
791	582	1211	593	1122	383	380	512

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231	45	87	84	102	185	120	56
1708	4377	2051	922	2074	623	775	3579
517	1712	646	246	909	400	350	1479
670	1108	704	218	864	286	346	1045
1287	1250	1279	685	1570	615	674	1154
241	134	205	281	160	753	110	106
230	852	648	787	2352	955	297	1231
2463	1941	2716	1492	1933	1376	953	6465
1300	1952	1831	1588	2256	2020	986	2238
15433	29582	5959	29408	12742	11762	18406	22606
736	2212	1207	553	3485	307	343	3120
252	970	410	241	2216	172	185	2123
531	1733	728	181	2012	174	245	4620
1934	13874	6932	2799	21750	2131	1768	44674
686	894	1005	1604	1823	224	542	2079
734	1088	866	1527	2660	532	657	2427
1733	3265	2837	1475	4714	1739	701	5623
1042	19394	3844	14170	13244	8007	528	10282
2496	12383	6254	8563	16008	2577	1724	27939
458	4853	1137	1567	7582	837	318	6029
148	204	132	38	317	35	80	455
1185	2791	1203	347	4789	367	792	4621
4942	12554	5661	2236	20051	2016	2574	19417
405	718	442	156	2043	250	220	1662
315	539	400	157	1728	198	174	1251
142	589	481	321	1558	222	113	1281
178	466	292	202	1164	158	94	973
5958	11837	10691	5993	18600	4628	3557	16269
2760	11890	11727	4225	16663	3474	3073	13130
2097	3136	5185	1252	5333	625	1400	3650
1191	1587	2989	669	3124	364	1088	2061
193	1042	399	708	2481	261	178	729
1947	1377	1678	1009	3937	831	1241	1893
1139	1199	1330	1043	2810	796	740	2167
2169	1322	2646	1232	3845	793	1220	2474
1481	1199	1670	1030	3876	916	994	2894
1805	1396	1606	780	3375	684	1079	2340
944	4104	2754	2176	6485	1947	1000	6986
528	2670	2316	2081	6096	941	504	3842
3810	15476	25161	10830	23537	5045	2157	19356
11268	5513	4809	10535	7214	30541	6962	2658
2399	2380	3695	582	5396	913	965	3102
1752	2469	2606	1824	2611	3677	1175	2821
981	2143	1567	1229	1761	2622	596	2128
438	72	116	16	234	33	67	104
1887	3010	3264	7908	3183	3969	1362	4947
1173	691	1019	216	2058	400	619	784
746	454	525	452	694	542	288	472
389	415	424	388	896	532	216	415
1517	697	1025	201	1665	414	629	783
1186	384	828	98	1105	172	425	508
1929	916	1394	314	2243	575	808	1131
4589	3539	2179	2243	2574	3725	4954	2033
716	1558	924	1096	1284	1007	384	1240
1549	670	1065	365	1517	691	624	793

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8574	893437	20981	239756	199524	43893	7274	592243
1793	3007	3802	2162	2421	1998	1248	2378
1441	2161	2383	1791	1926	1577	988	2182
168	1846	157	224	654	156	205	1498
3324	18602	3975	1714	7051	1239	2537	13948
676	3686	915	383	2247	268	924	2550
703	3224	730	534	1483	258	518	2035
2963	7046	3042	1012	3567	589	1626	4997
2561	10993	4194	1812	6380	1256	2189	8158
2700	6153	3631	2129	4988	2807	2467	6522
1257	2575	1178	669	1394	961	511	1843
460	738	216	108	410	261	186	530
345	398	286	85	352	115	133	288
2375	2010	1378	303	1979	505	688	1541
2549	2164	3700	13929	3314	12471	2171	1879
1946	1018	3164	5022	2224	2774	1540	1158
656	464	938	996	904	1108	585	679
1708	2235	2821	831	2094	704	643	2228
21791	908	986	722	1403	7695	22410	650
54287	2412	1713	1660	2286	19025	59497	1308
15459	973	447	633	779	8373	18159	577
1140	1472	2023	1109	1860	525	554	1770
1000	85	83	75	240	327	630	89
1194	591	327	9591	1219	6267	1052	1000
1250	587	612	5602	1768	2866	945	907
2344	1092	1759	6919	2588	3204	1096	1577
1849	996	1145	5241	2323	4088	921	1536
4401	1804	1533	2185	1741	4857	4050	695
12225	4819	4014	5974	2069	7863	8578	1098
6268	1498	1720	1893	1236	5680	5432	478
159	114	441	256	265	101	112	190
609	345	1184	1263	742	563	338	516
698	796	2028	1941	1451	1287	539	975
526	1463	1791	2936	1396	1284	593	1157
749	2011	2247	3247	1505	1160	378	2004
8638	9521	13355	5337	12149	5351	6900	7525
908	893	906	1033	1482	2274	533	868
2315	2048	2280	2502	5096	9403	1149	2361
1695	854	1081	842	3021	4295	729	907
500	160	308	359	756	1464	177	247
1015	347	543	523	985	1724	358	417
1827	1524	3370	2621	2707	2107	1094	2504
2710	3952	4963	8545	4296	4019	2731	6595
1932	3044	5458	3197	6078	2370	2463	7432
10394	28267	40671	26246	43580	15623	10660	55684
2302	886	1936	7218	4030	16727	3667	393
44771	171382	156697	147654	169894	65756	26449	192333
55804	186364	183943	140331	213421	79842	33709	265872
1639	13072	5330	4972	15151	4461	1283	9536
1451	862	726	901	927	1490	929	982
2048	645	481	1094	638	2070	1128	960
1984	1025	1080	911	2231	1215	1391	1223
1339	1926	1686	22667	1859	5105	781	2000
823	475	638	763	1164	549	326	479
2372	1469	1025	1555	3262	8700	3018	1366

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1478	1815	1189	4788	2861	7169	4007	988
2919	1715	947	1045	2335	10417	4424	1180
401	1402	1447	486	1436	464	378	1286
673	4498	1255	1408	3406	1115	625	2524
2903	4834	5964	3847	4548	2774	3297	4056
310	350	275	158	265	92	219	404
698945	121574	69612	155032	249317	382838	424107	80772
351526	73312	35291	73673	97376	116896	216922	31148
51909	4159	4471	3891	6068	18848	41612	3032
1838	16351	3228	23018	5669	12123	1015	4902
2911	587	375	176	556	847	2625	442
6404	25470	33530	17391	38897	8415	5125	23670
12287	5961	10033	13289	7237	23445	8408	7975
7668	2005	1391	1342	2073	7417	8992	1057
352	532	1345	1413	882	1548	150	919
1970	2258	4767	4793	2880	5283	1987	2440
15339	27764	46610	84611	25815	41563	10324	37879
5547	12253	22046	41328	14196	15338	4944	15250
3105	924	793	2542	1521	4777	2673	1038
1399	925	862	407	1835	571	953	1203
857	365	307	249	367	404	570	489
1853	441	778	618	1255	1928	1570	794
602	489	164	655	481	672	441	481
10111	1723	2051	1587	4345	7015	6475	1730
720	876	511	505	815	1879	464	635
1357	431	586	952	925	1052	1200	448
7899	3471	2803	2359	7193	4587	3767	5397
78	19	30	6	45	32	30	16
5510	1438	1437	1485	4081	1226	1796	2551
1327	593	962	300	1648	524	682	581
820	591	817	501	1629	683	636	670
2247	1127	1493	1939	1647	2301	2505	1002
530	337	556	450	839	638	410	450
509	299	312	464	589	677	450	313
1342	1551	1365	1459	2292	1207	953	1004
322	250	351	84	423	120	233	243
2288	4316	9438	1112	4668	1180	1121	7426
1776	4439	8894	777	5860	795	1293	6717
505	528	17755	2763	1032	181	453	648
3044	2313	105121	9232	3629	1861	2935	2805
403	9450	343	18665	9817	55711	771	10885
985	1248	929	538	3071	688	656	3356
1739	2379	2096	740	4047	714	994	4093
1543	5007	1809	1056	11499	1344	2887	8782
5821	19964	5772	2670	31326	3934	6235	28131
1398	8296	1689	729	11526	1265	2076	9597
757	3505	1079	424	4518	569	859	4032
696	2229	1011	1193	1117	600	483	730
3752	5456	3397	3307	4762	3776	1663	4435
574	396	422	170	513	165	280	360
3056	1409	8359	1073	3278	2002	3017	1336
16452	10545	42766	6632	14437	17961	12928	7924
7192	5454	13945	4696	7130	7558	6366	3521
428	190	353	192	494	179	212	278
1802	2038	3199	1192	2421	1973	1668	1832

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2930	3553	5031	2577	4066	3994	2225	2915
388	238	400	111	713	125	308	310
3217	9231	7178	1888	3669	1460	1962	4329
5352	1754	2095	7009	2695	12988	5030	1147
9073	4284	4019	9480	4269	22049	6569	2511
1030	1104	736	40954	2731	15678	483	1256
839	972	527	29296	1567	9913	331	939
3047	10604	2501	202888	11316	90814	1670	7275
41160	230323	55874	193799	137379	113852	24056	278139
3088	1582	1751	978	1558	3426	3064	1329
568	993	930	1336	1365	744	445	947
1169	1846	2421	2535	2807	2510	737	2198
1089	4362	2639	738	2355	4121	761	2144
2714	2611	2712	854	2364	1841	2514	1504
2400	953	1144	302	1817	670	1471	1082
6329	5236	4778	7559	19188	21884	2868	5664
2048	3158	2540	4002	9434	9230	1182	4156
6908	8176	15837	11469	14766	16119	3738	7982
3514	6251	14180	5189	8255	8363	2211	6432
1046	1872	3436	1608	2125	1760	588	1780
604	554	396	160	854	364	786	695
1689	1393	2172	1667	2230	936	1086	1750
20226	19656	23627	9901	18768	13625	16106	18030
6237	7630	9285	4680	10108	8568	9048	7836
10435	15136	18800	14463	14349	17166	7701	12537
164	68	172	62	150	44	89	128
1285	2524	2621	1886	2477	991	731	2434
1410	2938	3006	2703	2653	1705	1273	2863
2265	14225	9934	21212	9898	8195	2327	7514
1061	4567	5253	1670	3835	773	1063	4785
2498	9282	13577	2978	9601	3162	2590	12924
572	1960	2767	610	2510	774	621	2891
1112	2239	1947	466	2996	573	774	2405
157	374	546	154	457	102	237	421
1021	1644	2186	567	2019	389	708	2022
8327	41022	47096	36383	37392	10650	8141	46232
3343	17631	14586	15692	17435	6365	3478	18336
935	4490	3411	2017	5137	783	1131	5356
2733	8426	8247	3760	8056	1511	2186	11052
74776	72270	56791	60817	84829	46541	59426	52092
10481	15085	20582	13534	22804	12519	8115	15258
6888	12368	16247	10349	19787	9004	5566	15166
10612	13046	10894	6208	18050	16616	7684	10528
6276	10119	6890	4722	11712	9102	4420	5739
232	147	194	72	309	143	121	143
11102	13558	28516	12858	19773	20581	8039	18178
8107	16408	26141	8958	14559	12286	4915	19067
110	151	149	436	134	79	109	173
65439	169890	182219	371694	140859	151080	56775	149867
1855	1395	2108	2145	1289	1202	1668	1309
13586	17500	27867	15575	23154	12844	13185	22248
7264	12182	16868	6703	12405	7218	6294	10003
7904	11287	12992	7750	13321	10783	7253	9620
3248	3916	5512	2847	5395	4864	3051	3955
2976	5534	5550	6496	5829	4286	2386	3602

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9480	11394	21945	20953	14534	15600	13041	6872
7124	9573	13017	3750	6818	2917	5766	9290
2522	5906	7106	2118	3978	2236	3755	6858
122430	79533	74396	59138	62541	86951	123767	57676
90910	9261	20544	15452	9646	58553	62925	9002
53653	17097	51452	42116	15733	101889	49083	11150
2779	4212	4711	1426	4444	2526	2250	4718
788	1839	1494	674	1378	896	773	1502
2936	4936	6046	6989	3447	4868	2180	5263
3259	5486	5901	3001	4502	3776	3661	4525
31062	72890	63940	70211	51500	55047	24914	57182
2444	358	1008	1569	1017	4388	2340	571
2630	2538	12051	5567	3586	12830	2224	5244
1615	2416	8209	3982	2443	10278	1582	4010
2072	9400	38369	13160	8418	2195	1607	10939
348768	2069	18657	24352	3264	154742	271914	1846
372692	4205	20770	39877	5920	268762	382150	3059
611052	6468	42726	73639	7710	480877	539637	5222
1761522	35572	134514	223862	38940	1391218	1535119	23063
17304	26372	20395	19800	25706	14871	11597	26926
5340	13051	10196	10908	14223	7350	5130	14264
61781	46535	39893	63396	34493	39082	45988	36908
4846	6082	4885	4306	7762	3347	4529	6232
6494	11581	8103	6512	13772	5456	7114	11734
2267	4943	2995	2420	5866	2442	2324	4436
2346	5675	3638	2687	7317	2694	2924	6210
3755	7290	5754	3115	7508	2894	3052	7265
1451	3920	2484	1176	3882	1136	1490	4216
13158	34496	26360	9290	18023	7063	12179	23873
27050	59880	48158	23473	44362	16494	23232	57624
54800	143269	187733	257437	183050	84523	38219	219095
21913	80839	76695	78657	111988	23153	14867	90987
12814	203800	282845	681542	211861	68718	8824	144516
2609	44048	53866	138802	64438	19543	1935	40653
2754	19015	14939	31557	37882	4327	2657	26075
241630	367957	214161	216523	464695	259886	155599	299476
144643	365285	193748	159681	569219	245226	71322	239321
42439	179419	206708	146985	143272	45254	29730	144012
160513	368914	465834	289399	449144	167554	85389	626129
72885	281219	273997	238424	264303	86318	40865	254241
206770	1100808	843125	874146	1155808	484515	106702	930245
157816	611180	609645	592523	716168	298369	74661	510445
6749	4449	5182	7891	4389	11760	7918	4678
8485	6165	8161	9263	7559	8536	6919	7524
461308	34887	130722	34419	52355	246004	289003	17432
3714	3143	4253	2620	4985	2650	2615	3173
2896	3640	5958	3757	3993	5178	4094	2825
11608	13684	16101	46287	13420	37912	13627	10172
155	102	157	309	180	240	184	112
1771	1743	1487	2890	1866	1548	1390	1327
1883	8460	7884	1431	4638	1178	1695	6512
516	1752	1698	689	911	352	430	1522
626	946	1393	615	1173	291	499	1147
2209	17058	8979	4200	9186	3627	1993	23964
427	8264	3902	1935	4867	1485	720	10175

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12771	182077	128615	56383	105025	28964	13248	299009
13830	41266	167819	139043	38786	52834	11463	74784
1496	3162	5163	1895	4307	2436	935	3433
8290	17018	17625	10913	17643	10966	8261	15079
19168	6220	15406	18127	4509	30911	16300	6038
11421	2813	7001	7820	2107	15339	8016	2641
7642	3344	5931	6257	3135	13278	9284	2735
2691	2835	4062	3204	3201	5508	4161	2253
8919	7845	11129	9543	8237	16085	11345	4999
7530	9011	10414	12469	6510	24371	6745	5593
1300	591	1233	453	1258	402	578	747
16874	11748	3766	9884	26527	18574	13284	18916
1230	629	801	206	905	377	817	829
1767	1843	1892	958	2208	958	1067	2427
923	801	1131	447	1247	323	554	1177
276	726	682	311	526	158	211	502
7105	21891	76312	115683	10333	353535	5505	10995
16842	14187	24560	18992	11433	27367	15208	12428
1317	6404	5169	2130	4017	1084	936	8307
1311	8013	6187	2164	4852	1446	917	10949
1218	8991	5601	2064	7014	2593	891	12430
4748	15712	15633	7441	17163	5893	3351	17134
729	1842	1425	1674	1500	1301	646	1796
961	1862	1338	1705	1285	1613	624	1648
11093	6332	9278	5208	6001	5299	11050	4194
15101	23621	37331	16159	24139	17609	11270	20583
17423	25716	41128	29747	21489	21455	12055	24364
5310	7891	9317	2666	7947	5814	5263	8643
6928	10812	11102	2018	9593	8937	5322	10626
8311	14204	13390	2663	14179	12503	8337	12550
17004	15522	10763	18763	13384	30073	13441	13461
57070	970	1671	7650	1395	12219	40912	844
39999	472	812	2055	580	6005	31380	352
244	77	149	25	209	61	121	77
2304	4139	2246	2153	6575	1919	1514	7420
472	1069	688	404	1240	294	312	1311
1406	2926	1946	1094	3053	773	820	2740
567	1469	765	602	1922	409	434	1322
716	1260	891	650	1344	307	458	1303
78	384	169	271	368	150	172	318
449	936	603	681	966	464	364	1142
203	507	372	387	619	209	230	609
351	520	560	321	739	229	227	659
552	670	728	460	1257	221	339	858
352	365	724	616	755	279	323	557
862	1286	2015	1932	1955	1005	576	1733
234	392	487	349	809	329	202	538
771	1050	1601	1370	1880	930	615	1584
18343	17492	9880	8181	12119	7920	14145	13855
10658	9918	7731	4987	9141	6594	11048	7457
2294	2532	2842	2149	1480	1552	3161	1901
11126	8401	11526	8327	7995	8759	12405	10137
2119	1647	1801	1747	1793	1858	2547	1816
5630	78270	72941	63931	277665	15953	2873	22690
39	53	91	46	288	6	31	60

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1842	6786	6297	3811	5518	3861	1874	6733
6068	37747	28407	10432	26066	8785	6336	34164
434	730	321	161	930	188	298	556
1020	4924	5313	1691	4307	1660	754	6058
1471	3100	3579	2337	1736	1163	887	2305
1474	3286	3625	2667	2576	2584	1458	2866
1792	2986	4031	4015	3208	3227	1500	3144
15483	23315	42915	34561	85824	25797	15900	12106
32159	7617	12551	8186	7302	9093	23009	5871
2431	802	830	790	1307	3870	1698	505
49060	17915	13075	45001	14481	55534	57305	10346
1170	2193	1556	2667	1871	1003	1293	1468
513	1104	423	439	747	945	418	826
888	645	398	274	831	785	786	304
5368	5702	4566	3550	5291	6490	3910	5752
836	549	719	584	549	851	513	813
648	563	596	437	861	480	354	623
2333	2896	2706	2358	3030	3652	1500	3180
409	626	477	606	708	1076	357	714
1641	2628	2134	2238	2120	3604	976	2310
24939	6098	8296	13700	6606	24425	24621	4858
2210	7002	1966	1017	9472	4817	3812	14956
962	1791	855	397	2919	1028	1223	3398
1876	2443	1233	432	3996	838	1821	3730
9763	8374	11856	9062	16114	15248	8999	8628
1829	888	1855	2625	962	2408	793	664
3577	4404	6392	4012	2927	2697	3085	3988
40519	10447	15348	10409	10238	26460	29342	11115
10197	19080	16923	11726	17666	9496	9251	20697
6175	7177	7734	4050	6737	5923	5771	5967
4589	6552	6272	4349	5792	5246	4087	5723
1521	2711	2865	2621	3585	2693	2171	2761
15155	12861	9850	17740	11843	14649	14071	18433
23188	33240	15002	13801	36041	32986	16838	17559
2561	10970	28259	11047	10111	6598	1996	11724
39	24	47	21	64	51	22	49
2236	9831	5155	12083	4232	5317	1453	7939
2175	3900	2660	4113	5083	3664	1765	4251
2454	10676	3675	6832	6665	7111	1364	7395
1196	5078	3024	3819	5596	3302	865	4330
1726	1337	1122	508	2265	983	1324	1083
1466	1578	948	415	1552	893	1245	1271
874	826	612	389	813	428	582	919
40429	9188	18473	16610	10910	18840	50341	6326
25210	107204	44519	28681	87885	24028	20610	135220
5730	11790	4241	4779	5162	2734	4596	18331
2494	7273	2998	4378	4895	4623	3390	8015
15020	1336	2289	2273	1224	8208	15801	681
6835	3277	3763	3983	3903	5168	6291	3231
1564	1066	1145	1420	1179	1299	1569	882
3529	2565	3308	3257	2947	3729	3523	2584
3616	2607	2613	3518	6746	3624	3101	3190
5755	7280	5205	6712	17648	9108	5624	6148
3004	36517	22979	19383	27517	5802	2939	47997
1728	24073	11105	9717	20111	3527	1129	28488

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10108	173017	16686	67340	44588	39436	6730	129682
6479	2397	4296	5238	2860	6872	6723	1332
4459	2972	3739	3604	2402	4947	4530	2816
483	655	2049	1959	1341	1235	399	755
19040	27309	42343	30406	42557	27741	20157	24814
2480	4443	5383	4883	7223	5044	3083	3485
69	52	226	51	78	34	60	80
4365	2642	4443	4439	3076	5185	5444	2921
9343	7412	11268	12925	5587	10581	8294	7602
2923	2791	3769	3344	1984	3158	2626	1983
6556	5929	8055	7179	5824	6035	6303	5596
2806	3479	4322	3917	3922	3559	4735	3939
888	2789	2324	3582	1569	1679	859	1836
181	123	159	57	204	125	220	180
6578	9891	9549	5190	9721	4618	10214	9327
2850	6772	7761	4148	4765	2675	4827	5035
1195	926	1337	388	1234	754	936	1488
1190	859	1240	706	846	1025	885	644
1923	2025	5249	1551	2115	2791	2050	1687
5984	6755	7589	2499	8415	7493	5776	7251
4977	18455	13721	5704	9524	2933	4423	17210
15717	7795	10560	11310	8791	16121	14144	5699
13807	6624	11490	9347	7746	15528	12361	5955
3593	65719	24267	30493	53037	8191	2523	32606
1001	1331	2414	1381	2144	1512	642	1012
3635	14086	11976	6513	7889	4451	3279	11056
79	274	149	130	170	111	38	192
1551	4101	2858	3438	5503	3163	810	3439
3357	12855	7296	8702	9619	10024	1949	8484
477	597	343	452	623	489	318	401
1041	2810	913	3096	1688	2394	1269	1450
905	958	964	765	1075	653	510	819
2383	3250	4046	32483	3188	8162	2152	3458
1448	4551	1367	7850	4047	5053	2163	9329
607	1472	1335	1618	2500	1312	393	1675
8008	16475	15077	6144	25452	6640	5527	10878
15780	15165	23651	3294	38727	14937	8665	13068
34799	37965	67370	5957	58520	43641	14540	30085
7321	7616	8429	1819	10793	3610	7985	8300
13770	15630	12542	11444	14132	17623	13775	15093
2619	2426	2862	542	2232	1201	3238	1360
2411	2410	3094	1055	2098	1648	3358	1476
12570	62539	36909	487218	32864	134661	8488	63685
5429	28110	15955	297402	17852	64284	4703	29988
4224	22133	12656	296558	12417	60451	2671	25662
3304	20803	4745	222294	5649	73221	2476	19196
2872	2929	1479	3138	2417	3534	3436	885
2173	31470	9348	40729	15240	14532	1259	11463
592	5914	1345	5855	3361	2775	291	2419
1475	13735	5147	15069	7229	5285	1051	6395
251	397	349	133	466	148	197	378
1486	3612	2986	1119	2991	930	940	3238
1171	4157	2608	1252	2781	1177	1252	2925
442	1419	1274	1094	1242	632	453	1256
1560	6002	6105	4011	5973	2882	1465	5340

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3279	12058	11639	4918	10629	3597	2626	10682
358740	175776	149824	101604	201514	161589	438434	215025
30417	21641	17962	15316	27173	41436	31753	19006
32328	24283	19115	10464	34879	42326	28612	20863
7537	2502	3463	1039	3076	2717	8517	2019
9990	6033	6655	2317	6266	6850	12485	4353
1918	1696	1161	3547	1951	2712	1485	1265
3669	2869	2869	5332	2967	4231	3284	3209
119	144	96	118	164	223	93	132
2988	947	1234	1140	1617	5326	2010	898
184	96	62	45	131	63	132	83
2861	25097	54549	54219	34814	10630	1790	33714
2010	9318	8218	6587	7814	2535	1702	7331
6534	27546	24302	16002	20012	8469	4527	26338
8569	26224	13780	33734	34005	13985	9340	20285
84895	264215	137671	244658	304559	141254	77793	237155
38271	167810	102543	116243	149879	26212	41664	118009
253	184	190	89	281	60	100	127
37	11	8	20	12	21	9	10
866	486	1242	401	2045	778	383	555
604	341	904	298	1182	503	327	382
614	420	1604	361	1230	771	319	366
1014	664	3463	803	1790	1525	774	849
1237	4316	2267	1930	4456	1353	839	4178
2299	5384	4322	3420	7335	2067	1852	8183
343	1259	633	1006	668	295	239	1203
3162	5548	3931	3341	6260	6280	4279	5878
1762	2998	2412	3685	2990	6356	1307	3577
28628	11840	13725	9402	12600	14414	26733	13116
3137	7983	5696	3289	6438	2804	2398	7893
966	2466	1814	778	2119	862	748	2497
681	1749	1053	458	1313	515	539	1683
11079	40057	21325	12774	25903	8661	9263	31435
2519	5035	5281	4577	3349	2714	2295	4224
5104	627	873	829	782	2715	5108	649
1777	7694	9636	6344	5102	4721	1728	6463
1035	791	672	419	997	719	572	655
440	335	349	188	834	504	298	341
6388	3981	3185	5979	5574	9603	9062	1996
159751	59274	54261	57204	42030	125256	109164	47714
231	114	178	116	157	635	231	135
10305	13776	15203	11168	12275	17104	6619	14376
80	33	124	135	70	214	64	77
1143	1211	1037	2030	1379	3250	608	972
3178	2596	3321	4252	2302	3018	3967	2316
973	882	1272	1376	845	508	1414	914
29882	8911	10733	5982	19486	14054	28631	7638
1	0	0	1	0	2	5	0
36820	12718	13559	7339	22823	14715	34786	11601
61914	25964	26471	10451	57631	34264	62476	26626
6260	14380	10566	11920	16764	7302	6842	15103
3530	9829	9049	7108	8876	2881	2940	10614
980	4312	2882	2649	3425	1186	1095	4064
3075	9685	8225	5160	7776	3129	3434	9532
245200	29375	47120	39414	27365	118787	176628	26351

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42	42	39	44	67	41	37	42
25866	13903	11513	11963	10036	15575	16488	10500
15877	8453	6448	9392	6940	10388	8156	5742
31145	15379	12121	14061	13383	21715	25384	12202
390644	11562	42709	34041	9672	181220	311441	5867
1929	2305	2401	1381	3759	1795	1462	2479
76517	33068	23231	20005	41441	63314	82746	28104
416810	285922	262128	208488	337915	269736	278459	221959
273884	233084	298673	196274	282797	241286	177084	197705
84076	65749	142719	99611	82565	138241	67813	86609
81146	101198	167743	139637	96143	238217	66617	112813
107737	91432	182240	151971	93966	295086	67218	112832
62406	53201	148020	79237	58679	172366	38268	62043
3048	7122	10658	13281	5357	7903	1793	7253
7696	14589	10641	14095	8976	11248	13644	6922
27003	21427	28209	29042	18179	35480	16838	15833
53192	54042	60636	59240	46178	97799	33592	44978
11424	12389	10638	9789	10143	19471	6277	8281
370	1217	660	590	2754	659	599	2687
232	826	408	460	2079	452	185	2236
1075	5123	1416	2186	8891	1653	984	8781
170	64	83	57	111	133	100	51
1258	803	877	547	957	1403	645	631
1580	2759	2867	5103	2506	4579	1166	2821
407126	62056	20515	28915	55999	159376	239786	37381
1012	765	930	2573	1133	458	571	1141
1123	890	1560	2383	1330	324	596	862
182	587	249	313	884	163	156	864
33150	330230	149477	92169	366996	80035	33623	142124
469	814	886	1023	861	1098	577	690
748	1072	1521	1429	1139	1730	806	1541
481	1032	1619	1832	935	480	427	1609
31	186	51	118	164	131	29	120
709	4060	1897	4010	2910	4093	955	3611
265	667	428	1941	424	872	189	303
3075	669	790	456	615	3839	2143	241
1582	3759	2490	13238	2591	9248	1200	1744
608	726	542	8200	1193	2671	290	792
591	5862	3277	11643	4509	1706	513	3142
556	765	520	1149	516	2578	374	485
1927	1460	1568	1679	1465	1730	1951	1278
2620	4424	2569	4085	7241	6124	2794	3106
31692	5589	22178	5537	6460	35705	43791	3630
3232	7312	11785	7014	5882	4353	5474	7066
3718	12988	12273	11944	15485	7845	4342	22097
247	416	392	319	733	201	199	378
1049	2343	1682	1623	2838	962	881	2261
161	173	204	183	232	111	57	180
817	2589	1501	2197	1829	1149	563	1768
285	487	359	543	596	494	150	637
1786	3035	2708	65272	6190	13466	899	2695
447	1040	597	20345	2769	4655	300	995
1177	2082	1082	50358	6456	10147	743	2363
26927	20178	4978	7464	10745	83242	59282	4219
1980	10045	6263	4792	9651	3363	1564	6783

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29226	38243	35344	24893	50016	42980	25972	34355
33786	32621	33747	20594	50895	43087	22926	44233
15773	20346	16000	10809	27843	20421	9195	19374
13412	13412	13197	7586	23546	16848	7530	15859
24115	42131	28791	23466	56746	40365	14821	31809
28	17	25	14	62	25	28	28
78	226	208	572	187	490	102	136
3955	1021	1678	1267	1571	3313	5438	963
5714	2036	2889	1256	3084	2671	5498	2110
400	262	242	34	446	187	290	254
7727	6412	4623	1511	4236	1528	6955	4113
2518	2341	1978	636	2490	601	2708	1856
7733	7858	6865	2189	6135	3318	7697	5998
20248	18845	20692	26695	12830	23944	19404	14989
1345	2125	2601	2863	1547	1360	2281	1510
398	1072	509	1297	773	1099	523	755
1304	4586	5189	1346	4114	616	1463	5462
794	4354	3289	732	3474	622	785	4753
3261	14461	13825	2694	10917	2132	3104	14601
75	333	157	310	487	125	75	195
674	9327	2911	5529	7868	1481	684	3160
5974	45543	24659	28148	81146	14090	4663	47161
3538	26540	14007	10237	60453	5520	2898	26237
2140	17705	10639	5198	62062	3988	2720	20979
5108	41024	22311	16762	92586	8629	4000	37783
6338	20820	9983	24432	12143	22916	9596	8931
1153	2745	1762	2199	2493	1148	1047	1786
3788	5975	7546	11635	7691	9876	2752	5711
59328	15426	17794	22886	8909	48801	70622	7906
6341	2025	1519	1684	2642	5930	7211	1951
21177	63460	80095	40988	73301	21440	19428	62924
4176	5392	6911	1939	3804	2068	4277	4587
4504	29700	16985	50870	21163	15574	1891	60604
1682	13714	6285	17103	10049	4828	862	16194
1438	390	558	626	982	829	749	567
3877	9630	23163	6586	8720	5987	1617	9722
361	1541	2674	1338	1504	872	251	1793
3185	12733	22392	8539	13072	5997	3226	13235
3348	8651	17271	7919	7284	4051	2431	8295
2023	5002	9850	2951	4831	2569	1477	6313
3129	8192	19222	5326	7670	3483	2539	8379
5176	14924	31623	14879	14080	8270	5601	16602
152	744	586	272	637	189	164	484
7868	13118	9815	6824	12293	19321	7176	10426
1968	4021	2484	2679	8204	2915	2388	2544
100528	12106	7757	13765	6325	121794	121483	5241
11276	11178	3606	8874	9710	20583	7779	15546
17338	30463	10338	17354	19760	31233	11811	29659
160	269	89	75	162	177	66	224
1096	1162	820	581	1417	515	455	1116
1291	1264	37745	1524	4494	5961	696	1338
1963	2187	67129	1601	7842	6290	1148	1797
35921	13543	63995	17225	14432	72163	32711	10821
2998	5726	5160	8771	4553	3722	4202	6388
6718	7914	7518	5637	5062	4245	6937	8892

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2280	3031	2905	1631	2871	1398	2500	3468
13395	18180	16262	10934	15620	15472	11658	16254
15042	31113	25088	12522	21859	21733	12021	28459
55543	57070	51291	31918	40273	70378	60810	33753
725	2575	2049	1745	1421	841	1008	2664
49981	41196	40921	21778	16996	31628	35402	23364
29076	7189	11300	3788	5414	10807	24079	6587
3317	4228	4982	5987	3951	10949	4628	2411
1529	1122	1558	1543	1505	2659	1259	1076
811581	10845	121126	345796	26517	1984848	1125113	14014
564	300	237	106	503	98	345	290
1820	948	716	452	1710	1680	1492	783
845	496	393	364	622	657	772	404
542	591	660	545	605	492	694	660
788	558	920	609	721	266	584	716
393	2554	1950	2897	1628	1001	436	837
14851	55727	25909	3661	30420	6540	21692	46666
20716	54934	31940	6992	34479	12412	21769	45105
243	741	1287	1223	648	182	235	750
667	862	612	4665	1322	788	326	1936
745	1647	673	6919	2937	1319	481	3939
528	1957	568	7837	4333	2098	394	5254
596	2423	585	6541	4744	2033	370	4361
2899	19764	3404	41602	29758	19544	1802	31241
1054	498	660	1901	2035	1082	580	774
644	391	343	366	1152	281	393	664
478	366	342	265	892	234	403	444
711	653	744	839	1337	569	526	833
935	863	863	1051	1312	881	724	944
4223	25032	23658	14040	17606	14994	3628	24621
29243	145079	64803	392970	80789	101026	16869	65905
179980	43576	39968	96849	26510	219545	186354	15907
1982	552	785	154	1214	373	1009	602
7806	8459	18593	3654	6217	4257	10848	6658
19084	3667	4028	3802	3450	10447	16179	1868
8698	2156	1837	2239	2347	5059	10029	1147
1067	1417	1228	991	1628	887	1316	789
2556	2000	2740	3118	1749	3468	3085	1475
5597	4919	6730	8384	3976	8336	5503	4121
9325	7422	9910	9484	7051	11274	7178	6841
3990	3916	4099	3731	2883	3211	2946	2676
10688	15569	15028	15920	11047	11626	8111	13212
18130	30104	26336	17706	17821	20720	10084	25957
55124	50413	79020	39328	50873	36942	52353	40055
1701	11064	12704	11210	7464	5850	1643	9333
1997	1519	1608	5755	3569	3082	1061	2082
958	1112	1174	1788	1596	1153	825	1314
3389	13152	7457	10499	15914	6123	2840	10590
5714	4123	3666	1756	4667	2666	5992	3211
33510	19106	17450	12115	18544	15848	36045	15484
4281	13939	15240	21123	10273	9604	3795	15363
1717	8425	7265	5847	6584	5386	1759	10814
7950	37458	34298	35638	36630	21306	7884	36256
11019	6146	10180	8045	9235	15376	7434	6348
4834	31222	19011	14922	13819	13179	4692	33737

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3085	15336	9580	15541	8847	11553	2231	13983
5836	6087	9246	4304	8439	7143	6328	6275
1240	12508	1274	3933	8417	6203	993	6214
297	1556	572	30269	4084	12854	199	506
6983	4100	8618	1512	4176	4060	7578	2191
10528	4833	7552	6952	7646	9125	15978	6185
12942	6535	7128	7920	9559	11716	15904	7218
51	82	46	33	194	40	218	115
127	75	58	56	180	66	60	63
620	510	385	716	1340	582	482	592
244	177	168	282	305	383	192	162
337	269	255	434	626	532	277	264
66	516	1457	2431	269	946	65	516
216	686	1156	785	1310	315	216	930
1260	5793	11929	4549	10249	2666	1562	11409
857	11747	23495	22371	13030	2119	1207	18957
2353	3729	2401	1390	4229	2749	1583	3098
166	117	84	101	158	154	305	82
440	355	284	470	501	418	829	253
4995	966	1675	1457	1307	3018	6418	850
3354	9583	8506	3701	6751	5765	3674	10108
1787	907	1009	656	558	936	1441	496
11530	5604	8373	3508	4473	8622	12463	6627
18089	18286	17295	5489	11495	18882	16431	16860
11751	9484	10863	2919	6857	14034	8504	10236
10884	13149	20021	6408	14488	20435	8681	14664
529	1928	423	864	4268	1952	272	1078
1852	9717	2359	5570	32165	9963	1590	7889
2605	9695	1927	2756	37003	7557	1528	9436
9858	8233	6446	43170	5723	19268	7603	5566
7670	1470	4399	6663	1719	4745	10519	931
1645	1012	1531	6526	1578	13000	1483	1066
16	13	8	15	26	24	15	3
50696	474781	49498	320215	322963	239767	46026	573480
722	2921	1361	2477	2245	1448	570	3420
3536	5570	2611	5640	6176	8645	3724	3520
31031	34345	19658	39489	27245	39324	26905	20731
2277	17135	11484	4299	11637	9148	2455	11466
247	10913	2866	2382	2898	2380	93	2477
3239	83455	59228	59396	29288	37129	1238	44655
8562	139587	116577	75157	54353	51561	3206	91847
47868	530914	405307	164066	202037	179627	12734	380714
184	192	133	113	389	110	145	211
17660	35645	27521	62782	31005	81307	6781	15182
8178	6282	6251	9236	5556	13977	6166	8169
2572	1558	3314	2986	1766	11557	2153	1981
4777	3389	6905	5684	5026	15136	5494	4211
1136	775	1986	1635	1709	3137	1384	1469
533	900	1457	1094	1513	2928	1097	848
1564	1331	3427	2715	2465	7416	1550	2454
4101	4280	9163	7172	7792	22495	3232	6019
1643	2405	4924	3889	3948	14322	1209	3108
1645	2300	4701	3608	3488	14899	1125	3118
1054	2165	3868	2757	2923	12757	716	2523
3511	6931	12592	10452	9651	53427	2136	7915

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3255	5152	7808	8347	7133	37745	2051	5093
7189	32219	4611	3335	7913	5127	4491	23056
31778	94550	16252	8119	23525	13757	17156	66750
16839	43105	8810	5435	9497	6558	9347	31159
79	77	68	31	197	104	69	85
428	1063	262	248	818	1131	616	473
8406	38640	29273	16410	42549	17792	7380	29574
2761	10853	11317	6383	9445	5135	3243	9896
4428	7860	7266	4989	6003	6583	3552	6187
11014	29802	44537	16692	34387	19451	13012	19333
48259	138032	174737	62358	123109	96256	30279	95808
421	1353	396	690	842	884	849	493
77399	14099	26125	18338	6484	97435	29923	5942
52050	16642	20652	20395	4814	69953	11597	4477
29787	12676	16463	18730	9664	59026	7073	14643
82444	28552	48518	29022	23690	44924	51663	26107
3630	2637	5139	3511	1984	4618	6162	1842
1235	809	1142	676	425	1349	1127	458
12827	12713	22370	10076	7813	9798	15927	10683
103567	20139	35404	28985	14441	62020	150136	16815
107658	124268	263883	72240	152780	104196	86679	134811
87412	127535	257583	79273	138085	106578	59775	133581
117159	204721	352918	113229	208355	170740	81381	213761
112950	245581	351217	86850	185223	141463	66234	166706
1580	3685	4240	2027	4839	1898	1182	3054
2383	18303	6170	8354	8187	4166	1836	20171
1567	13272	6531	9245	7033	4040	1373	23926
811	10542	4507	4412	4975	2298	661	14720
1171	17316	6011	8464	7438	3488	810	17465
1520	20816	7299	12103	10500	5028	1136	21646
84665	106078	41905	56200	64537	103433	65675	87187
12864	8353	7917	23789	3495	19047	16830	3917
1235	666	694	766	1018	981	1011	733
2614	1930	2795	780	1038	1709	3552	1460
5858	15208	9574	10620	17775	10907	4526	8232
178	1594	556	614	1311	671	185	1057
29419	125388	132970	26145	124703	17788	25018	124268
626	1083	816	695	887	1284	610	824
5456	6408	5524	4167	4578	9646	5229	6087
1053	2974	2254	9625	2219	4096	973	4004
5267	11263	12120	6540	8693	3177	4866	9964
4341	20814	43401	26059	36915	17462	3109	28754
4089	25726	26033	9069	23833	7653	2885	19969
4487	25307	23173	28406	15214	14618	2880	26985
7676	33305	38976	31951	20125	20938	3002	35907
59	236	226	106	308	73	92	211
22934	12665	13309	13205	7714	27368	25733	9327
4250	2850	2390	2137	1993	6377	4606	2025
4133	8519	5494	6551	6063	4940	2928	5767
1465	1525	1956	1087	1049	730	2221	1343
441	699	499	337	445	150	278	492
5790	6833	8343	4250	5907	3891	7270	4917
2405	4227	5562	3262	3650	2892	3897	3045
2157	3201	1823	790	1997	1147	1895	2812
53999	181101	126853	77676	154840	59154	40642	148751

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13610	39174	35273	15509	28591	13006	9542	33409
3260	1245	1341	976	3166	2704	1986	1668
2780	2735	7140	692	3886	2041	1347	4995
428	252	457	141	565	131	122	361
442	678	575	252	1190	349	442	783
472	454	482	140	828	181	215	455
453	274	386	58	438	79	179	267
37	54	64	24	99	26	47	76
258	321	378	74	681	102	215	329
125	194	334	93	367	61	128	195
48	14	28	2	58	5	7	26
1862	6065	11636	6517	9103	3170	1797	7312
1641	3975	14018	3434	4547	4082	1082	5069
4104	13175	31658	11125	13735	15380	3341	13630
1684	2067	2881	936	1980	837	1215	2602
2210	3972	3166	2407	2693	1618	2775	2675
6527	2152	2777	1830	2739	4765	6248	1787
40735	10222	10585	4705	11026	14445	29855	10731
60403	26809	21231	9980	29320	35279	54635	25262
25493	8819	11942	6512	8901	60321	38391	7044
248	76	114	47	142	111	148	135
15130	4577	7477	7147	5795	24534	11398	3745
4129	6259	8587	13124	6246	6480	2329	7521
15625	41441	29753	43703	28267	34328	9413	42173
2968	18406	5570	8625	8025	8478	2380	13385
19184	6325	7740	14427	5056	29248	29132	4203
11713	4139	4690	7755	4842	22573	18460	3768
11251	4946	4567	5758	5604	16581	16442	3006
70	40	58	34	54	29	46	54
2643	17795	36414	282492	10340	53446	2438	43846
11	2	4	6	4	1	5	4
411	816	874	25351	669	930	321	633
808	2501	2636	6579	2546	3833	939	1990
847	8410	7571	161856	3110	12628	657	18331
666	7260	5098	136997	3844	12401	510	13293
187	227	155	1874	261	274	63	228
364	1300	3547	1830	1847	509	596	1175
717	4313	4977	4678	4404	1082	999	2672
2671	303694	8487	26671	17497	6612	1310	81670
33	94	179	133	126	100	44	81
62	249	289	268	426	256	153	238
503	504	452	1260	538	1139	265	459
456	335	245	930	518	829	241	273
696	653	558	1736	971	1610	589	475
775	731	515	512	1353	981	401	817
877	1173	791	713	1343	810	361	983
1676	2817	1588	2272	3440	4160	937	2925
670	3106	4353	5505	5044	1621	896	4158
1254	1385	14221	1349	2544	903	709	922
364	2363	1098	1080	1966	289	401	2598
366	97467	306	326	115453	423	303	37362
289	22783	150	102	38695	132	150	12643
4788	5504	2729	3266	6883	5204	7004	3887
7579	6240	2927	3499	6340	7457	14060	3125
10792	2168	2590	3026	1700	9134	15345	1196

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81891	8688	14852	14703	8369	60975	64862	6450
8646	36266	18262	21328	50397	8284	6779	23444
18008	59421	34934	34920	79736	14345	13656	41614
1716	8868	5465	10127	10434	1907	1866	6859
13894	75981	41870	16534	76700	14353	14452	84843
1792	14956	8070	1224	16191	932	1979	16123
4379	45944	14620	2862	39703	2859	4097	35423
6147	49201	16840	4839	42539	4568	6496	41668
14387	79947	49821	63150	78364	25780	16342	77658
54854	185249	130729	136305	168234	70319	38254	161056
2920	2821	2748	5706	3514	7467	2704	3053
15678	33464	26259	50266	24242	37170	13873	19096
11810	26972	17054	28088	27427	31372	13492	19438
2219	4284	3155	6320	4071	5461	1742	3440
16041	33418	16607	32280	15649	21601	16358	17015
90529	119333	66026	139252	84268	96071	77563	99872
14882	93942	75435	551198	42509	163455	11577	124943
6695	3360	4354	11079	2969	6857	7335	4036
2884	17773	21728	11154	11596	4486	2467	17673
2876	24929	15121	15633	20506	6355	2677	23475
1438	2224	1607	1087	918	526	1621	1637
2298	3612	1252	614	2730	440	2320	1207
2513	8172	1091	993	2849	740	3167	2874
5156	15294	1920	1468	5424	1188	4706	5945
1499	7213	686	716	1874	362	1536	2007
8652	38077	4805	6380	22465	4876	9278	21700
2774	6287	1555	2204	10918	1851	2688	7313
1831	2915	846	1448	7260	1246	1029	3538
319	5349	594	2552	3001	858	314	1961
3122	8563	3978	3522	5076	3212	1915	3597
39520	9697	13631	10137	9419	23079	38853	7625
9034	35164	44280	40433	29013	35247	8558	32119
410	5085	2266	3131	2511	1666	482	1546
12693	4510	6352	5286	3674	8106	10423	3896
29433	18687	19353	9454	18728	20406	25853	18099
1705	3845	2037	2311	18913	1595	1967	6958
605	1304	523	552	831	1879	776	508
3678	9177	6540	5631	6293	6555	3122	7378
9880	34754	26512	24389	23345	14847	7999	31343
8982	36769	30739	21496	28436	11962	7720	35560
7804	47283	30987	17533	29838	10192	7989	42144
5790	34072	27372	9676	28901	7776	5173	44774
12869	85856	59164	19136	67002	18195	10344	95883
6308	5439	9772	4606	5591	5210	6233	5541
3426	3933	5651	5238	3263	4394	2936	4376
3765	3567	5088	4598	3603	4270	3031	4190
698	17263	11534	24382	20735	13620	1250	8113
6840	16851	12959	8916	12462	7572	7264	19495
23818	78753	54896	22149	69717	18922	24341	77337
10428	5189	5103	3417	5833	7719	11363	3721
7030	17176	12942	2649	7904	2939	7532	9160
19189	39076	40355	7638	24514	9945	19226	35808
16100	45957	41253	6324	30475	10340	19217	34512
12261	48835	36831	7228	29764	9392	11643	30986
16	98	55	29	50	16	29	59

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1045	25864	11246	9513	17712	4592	1794	11920
1416	2451	4590	2040	4415	1006	1445	3332
7667	18861	22242	4978	22165	8513	7002	21512
1417	5025	5403	1460	6872	3313	1092	6702
7044	9277	7678	6947	6826	15794	14671	8706
31049	29892	25500	26835	24669	40774	28876	27407
976	8286	5335	9791	7462	3138	1229	4262
1212	5063	5361	2777	7649	2115	1449	6578
3266	12198	12833	4901	17446	6705	3062	15652
5199	55157	24713	26817	57730	20158	6852	34888
3189	5531	3233	3635	5390	3327	2121	4055
1977	7231	9218	5671	7409	3782	1471	8861
2054	8474	10941	6577	8986	3739	1438	10901
13658	34929	25832	18327	29777	34924	15461	32725
8235	20949	14269	12991	13931	26271	6518	24481
1215	1153	1023	887	3081	1928	1368	1303
1185	1344	1359	1542	1845	2144	982	1208
681	1492	741	762	1467	579	383	1762
30557	88592	37458	38567	57283	31338	31007	95725
14933	54930	23392	20746	52244	18903	14435	53353
8312	18442	9500	9523	10666	6526	6405	8688
10060	14815	10147	7989	11964	9876	7611	11522
22931	42848	25575	15718	43098	28367	23887	36315
18477	67892	29760	22744	46382	23553	17303	36053
144	400	254	180	272	138	103	197
6563	8056	20455	42562	5814	19737	4793	12279
86476	66432	136992	206820	63055	112227	54329	74251
3222	6757	12743	2183	6883	5122	3318	9280
5806	12359	24761	3385	11656	8331	6459	14461
2464	10298	12572	5733	8094	2404	2563	11159
2821	10648	19424	5738	8263	2756	2600	15370
14593	19808	24358	13782	14788	20625	13879	17476
22918	41327	44453	19472	34307	35208	23078	37680
33639	43983	34256	25802	33640	61354	33173	37929
16156	12198	11554	2366	15322	8460	13323	11885
40224	30007	33005	7404	38237	26012	28272	43149
6373	5556	4656	1123	5213	3621	3895	6855
7652	9372	9386	1970	10883	6977	7821	13093
51258	91442	61812	17651	84138	48601	44240	81646
4801	8887	10247	5856	11060	10968	8078	7264
5609	5978	7787	4729	5137	4192	6016	6974
15125	4117	4850	4907	3700	6775	14143	3679
9030	71810	23374	81599	40158	16232	7780	28189
30300	106409	149348	95691	87853	44297	23130	111435
53010	53160	57813	26356	51792	33093	45891	40224
34351	47282	48454	11660	29350	20318	28868	39869
3761	4419	4254	1059	2808	1289	3427	3365
2358	8268	8173	748	4027	1936	2229	7523
3504	11537	12956	916	6660	2956	3311	12562
2137	7825	8186	736	5130	1880	1701	6543
6653	21814	21393	6790	20556	11846	5529	22209
3242	11561	10304	3732	9598	4988	3214	9088
2721	10385	11773	3579	10817	5494	2752	9162
14987	5087	3538	2659	3600	8842	16384	3642
316462	54248	112999	87570	151193	242731	360231	46700

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247111	155767	161706	398851	135800	306764	197538	141057
1393	2742	410	475	1227	2860	2658	673
2604	13901	15801	12780	11901	4415	2014	13698
8133	101210	20571	32548	63218	39593	5218	114934
2153	36648	5561	8685	21137	8335	1107	28429
197	1534	524	1058	1149	535	129	1280
5713	28967	19269	24808	21571	17301	5462	29003
1650	9307	4441	4881	8017	4334	2043	7798
2795	13908	7853	9767	11017	7173	1887	11649
10986	33522	18397	8350	25835	6681	11009	26948
11912	46153	22831	7072	37522	5907	11164	34770
1295	5739	3775	1271	5556	1049	1414	5184
2037	10009	6378	4857	4051	1393	613	9636
4447	17821	15559	6594	9351	9421	3403	15072
127100	85583	79918	71619	81172	255693	58162	79565
2158	1596	1898	2126	1611	1626	2251	1969
2527	3803	2327	4223	3528	2578	2179	2937
299	616	294	668	602	531	226	540
15997	6563	6388	10221	9029	15644	12583	4263
9921	15555	10834	6969	9586	9551	10828	16880
8297	14526	10528	8112	12482	7954	7986	16329
1774	12990	3870	33564	41475	5827	1843	11887
6770	73082	21044	175542	367903	40153	7425	110724
172	288	163	647	2000	293	127	378
182	126	119	77	268	75	188	135
65	158	190	199	351	101	153	293
56	154	147	164	288	51	70	269
195	292	280	374	633	157	171	371
31	23	41	36	65	23	35	22
15	10	23	114	77	94	47	37
41	75	74	138	105	80	55	47
185	157	174	95	441	96	162	276
123	355	269	109	309	47	144	343
27	13	8	1	32	4	8	17
0	0	2	1	1	0	0	2
36	37	82	16	55	18	32	37
35	103	47	111	174	69	30	35
445	1665	1117	1101	2419	556	631	1037
127	136	170	238	383	123	102	120
162	341	302	435	780	175	214	275
177	279	197	172	374	61	118	186
1778	1272	944	1292	1474	2349	1076	963
8274	8966	8850	6003	7914	5186	7780	7035
354	640	322	622	1007	2538	127	443
270	761	353	946	926	2378	223	494
1588	3331	2622	2500	4497	4568	1929	2343
2605	5530	5426	4953	7933	10719	3394	5078
98	507	473	198	1038	266	154	325
974	6110	5970	3085	6033	1088	870	7787
9855	3201	9650	7380	13406	11614	7008	2463
689	1089	2302	719	1243	339	605	928
1092	629	533	3615	1541	3306	672	850
5377	5871	2151	64658	8539	19165	5414	7286
2151	2214	927	18623	5090	7201	2704	2732
2855	1861	882	19972	4905	6533	2754	2510

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6925	5463	11285	17187	7501	6841	7073	5866
188	348	307	379	562	549	346	200
31	19	35	27	45	24	7	24
1989	10903	10292	25543	7096	9108	1225	13652
189757	69012	17729	145319	51659	229119	163317	40613
13090	30562	6213	27031	18185	21717	11763	6045
4693	1411	1110	1921	2463	2825	5190	1039
6900	8654	8543	7551	7125	4894	4765	13118
1451	139	149	485	125	1170	1053	104
14796	30124	27219	31724	19594	14164	12196	32783
100926	14318	34879	36463	38911	71281	84574	9925
5407	484	694	5844	1812	21453	11446	338
8327	2365	3175	7777	3608	18885	10504	1771
157222	58912	76617	106992	89058	208245	103017	49523
10364	43544	41354	29728	54194	15218	10736	39148
14	22	24	14	27	17	16	15
5436	6423	4191	3205	4573	3208	8250	5399
4526	5249	4874	2235	4755	4900	4865	5589
16536	23519	17381	8933	23332	16325	18440	24350
5576	49429	18722	8528	28011	5522	6653	52771
14776	21236	16690	12896	15148	23950	19773	17849
11588	14871	11064	6402	14738	10891	12001	15424
1132	2707	2919	1566	2901	1715	1332	2889
1052	3991	5493	3273	3714	2321	613	3190
18138	65402	50541	19467	45085	12054	18121	59902
13056	52420	41111	12273	51530	9658	13583	53207
74	48	21	22	48	21	34	47
6527	30272	23775	16543	27296	13483	6484	52224
3791	1579	2277	2949	1300	2091	6465	1177
562	171	460	273	151	196	998	346
8264	5554	5028	4418	5005	4096	10931	3384
8014	18654	13277	36516	28841	15930	6946	20521
3782	2593	2375	4245	3090	8054	3936	1906
5816	12992	12833	10275	8179	6310	4729	9974
237	553	401	345	424	466	195	219
165216	3117	7407	40968	8906	129383	172880	2323
3239	4181	3212	10754	3330	4033	3856	3100
109458	7443	8954	25064	14862	115687	106503	5052
1857	631	895	494	1648	510	666	886
650	339	339	198	736	212	262	360
833	370	380	255	882	319	335	530
233	133	134	57	581	133	139	139
501	272	236	95	1210	243	281	363
1343	650	780	371	2581	545	562	1009
811	505	554	626	1271	589	416	493
37993	13573	30532	6513	9481	17899	49639	8717
45635	17041	30293	6482	12214	18430	44474	10705
2067	6297	3952	1958	2332	2321	1356	5848
3900	4350	3335	3528	5072	6715	3259	2709
532	2012	1161	1331	2137	1695	466	1493
489	1385	632	1008	1480	812	342	843
513	1321	616	697	1354	695	341	782
434	1268	584	672	1557	690	331	927
13	20	13	8	28	12	11	15
199	522	327	929	517	1021	684	379

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4169	8477	4773	3182	4033	3618	3658	5614
745	14084	926	1207	20902	1616	625	18014
578	11086	689	816	16319	673	391	14571
528	7905	455	318	11563	407	249	11271
817	7037	493	210	12653	349	303	11564
33	714	33	25	1088	31	21	1221
1628	24032	1527	843	68908	1028	1048	67401
13216	19967	36409	10202	23565	14024	10295	15612
12037	72495	113835	31031	50002	22366	8098	71565
915	1599	505	19306	6443	11342	421	2363
911	2524	497	30299	6873	15235	460	2794
645	2646	569	29423	5834	11894	350	3003
646	2132	542	18832	4680	8932	387	2515
593	1652	544	10613	4429	5429	446	1794
782	1811	861	6048	3735	1956	472	2407
1124	1961	1289	6477	4761	2467	746	2957
3951	6981	5182	12227	13772	10808	3545	7671
340	237	538	1111	448	406	691	285
2434	29742	26080	6731	76955	12860	6060	44381
87347	5061	11361	8216	12054	23136	71784	2838
19657	5420	4078	5796	5885	12557	19478	1819
17453	3684	3665	4493	4345	11109	16370	1867
46339	9954	8542	10063	9208	28140	33934	4537
72	57	49	74	130	86	59	76
1920	4682	3249	3882	3644	2521	1686	5506
5905	4118	4321	6878	4135	12776	6121	3653
3920	2097	2642	3780	1699	6306	4297	1586
2714	2324	1410	1820	3560	4856	4206	1223
38524	13077	11539	11592	21783	25195	30385	8440
9919	29065	6812	15255	13753	20006	7488	28229
10428	15912	7083	8828	12037	9998	8041	11490
2297	9082	7217	5713	8771	9457	1780	10028
541	2411	1912	2802	2911	1833	619	1719
29	19	22	39	44	19	10	25
45	43	35	159	73	93	22	69
1235	5624	3288	11327	4952	3886	1158	4874
4435	12147	9478	21126	13067	11688	4065	14239
2980	6631	5172	11445	4050	7239	2207	7547
4436	12640	10824	5678	9497	6048	5265	19050
5589	6058	9493	8814	6139	17262	7085	6187
5076	5378	6834	6153	5554	8286	4915	3417
7714	6556	11131	9586	5126	9337	6885	4351
17208	15873	20976	16539	10714	17634	13106	9293
3846	9250	11492	3978	7652	3178	3241	9808
1373	3288	4184	1627	2929	1219	1352	2719
2040	4640	5117	1553	3302	1635	1969	4440
4906	7688	7491	7754	3626	7147	3425	4332
13158	13259	15296	10784	10110	20283	11859	12260
2607	4049	4039	4414	2158	5705	2951	2359
1264	1974	1902	1701	1242	2229	2163	1221
2042	6089	3913	9044	2986	4222	936	4058
78	84	48	29	89	18	29	64
335	395	380	114	301	224	256	334
26488	17581	15641	12439	31495	60844	12884	18361
604	781	5032	952	1241	857	346	674

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814	4203	25136	2633	6356	1446	637	1611
981	4609	22513	3928	9621	1437	592	1628
1002	5468	23795	5966	14442	1212	781	2883
1927	12814	9317	2364	9621	2035	1869	12484
4539	22392	16577	6731	16273	3361	4378	17418
2308	23133	17210	2052	14797	1415	711	21384
766	4002	2750	1181	4133	525	977	4495
4645	20863	16871	4998	10051	2112	3979	19554
21899	32728	18210	16748	34949	34530	29053	33867
4274	4214	3224	2007	4173	2940	4231	2745
968	2344	1161	813	1712	937	1701	1012
7063	40644	19580	20870	22880	16063	4554	24038
44770	224609	115670	163820	124824	125965	31632	156044
10727	988	3438	2725	1245	6741	14498	745
16056	1727	4174	4841	1714	12440	17171	1135
30450	2475	7916	8562	2837	18544	35158	1692
6899	16777	36830	6477	15263	9776	6001	12237
11047	10734	11676	3056	8453	5493	10555	9015
13906	8851	10289	2763	8063	4294	16829	8727
12823	6791	9502	2336	7237	3388	12440	6382
13387	5567	7374	2560	6018	3078	12522	4803
6360	3051	2577	1294	3439	3174	9222	3168
129938	65338	122153	111784	51638	115322	95254	34870
5903	10239	12563	12516	11121	10876	10005	11218
2642	4515	3916	3962	2424	2597	2042	2650
12991	23707	19014	17309	14863	11346	12822	16722
4967	11286	8576	6332	8178	3190	4666	9588
1483	5469	4817	5099	4535	1682	1294	7318
1950	5041	5699	8038	5260	2328	1989	8609
14	15	14	1	18	6	2	26
1061	3113	2606	566	2037	404	1284	3157
9218	21889	21750	5741	15383	3448	8793	21772
4431	8623	10511	4119	7652	2959	4780	10317
3264	6660	8635	3997	5732	3451	4161	6136
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832	24855	12520	4830	9859	4487	675	11875
8186	33508	42540	10083	21315	9557	7549	39434
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39616	34573	13025	12045	33838	26559	35666	16139
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7364	8417	12372	5780	10033	10884	5735	9972
649	2512	1702	1221	1531	1863	702	3194
25618	7079	11422	4101	9660	7816	18131	7421
208	80	99	123	110	261	121	58
199786	73751	41891	32174	49491	155058	165970	50334
12112	11140	7763	4942	6474	5838	6789	7654
3520	2970	2716	1836	2352	1635	2574	2290
4388	32239	10112	24482	22780	13458	3681	19912
19905	4567	8788	2983	2644	14174	14948	3830
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3438	4637	3082	2211	5850	4597	3660	6193
314	1295	492	380	1124	432	287	1084
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Sheet1

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5452	12815	25048	7787	18125	10929	3775	9498
2298	10653	11890	7647	26239	4346	1642	6911
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4951	5942	8663	3370	5663	3979	4545	7171
3789	5930	5635	2858	3389	2335	3013	3597
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13644	6862	2847	3828	8122	8370	11949	4291
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4512	6698	2053	11551	2900	7759	4860	5196
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17271	11866	16803	17663	10391	63825	20856	12059
3550	1818	1906	747	2779	1303	1846	1899
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2708	2328	1365	1782	2289	3339	4832	1498
104113	66004	139124	24943	67985	48010	79335	59382
13630	4235	4195	3736	5669	9158	10887	4024
49	228	92	548	142	160	81	113
26	112	39	145	85	70	79	112
16095	8340	12110	7381	7285	7292	18976	7607
20060	6993	11110	6460	5113	7931	16895	6438
13553	29851	26237	4140	20645	13212	9370	21241
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9803	15518	14946	3177	11502	6586	7444	12282
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15740	57997	61089	14824	44681	12594	13147	55840
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3979	15121	12928	6135	15396	5373	5981	16351
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5299	21936	23729	12755	14404	4772	4063	18480
24236	45907	131017	43397	58606	19907	24166	74287
13399	12194	14005	7478	8946	6200	15296	11191
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11473	7439	4980	8436	6504	7523	14623	7499
709	2184	2124	3536	1713	2912	857	1791
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222	165	179	124	241	90	188	221
54	42	39	34	75	32	70	50
36	31	23	61	60	31	26	43
201	365	156	93	418	108	166	232
312	300	256	131	421	135	197	314
695	849	601	168	1060	240	411	853
2256	6583	5870	2281	7068	2257	2653	7112
325	1598	1096	508	1245	467	532	1272
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343	745	980	339	539	185	428	907
3060	10901	10293	4091	12048	2482	4097	11131
1113	4265	3586	1829	5271	719	1161	3907
645	4087	2555	1854	4854	748	951	2547
14550	23209	30463	8181	21097	7712	15924	23134
81261	102834	73024	61843	56032	142453	62920	87257
2857	2815	1835	2945	3645	1828	2184	2609
5578	4865	3279	7157	6252	3553	4144	4957
7553	5243	4330	4486	5965	2192	5575	5248
8019	17556	22840	21294	22759	21482	5593	28529
22724	81310	81330	103881	39121	58830	14899	54482
11141	8732	8128	8300	10106	13347	11075	8360
8340	4022	3890	2431	4278	7472	6521	3982
61544	43782	31510	24808	40484	57707	43630	29457
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9886	9819	14307	4336	15431	6205	11104	11162
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11156	9835	8572	4283	16367	6906	10552	8281
22183	32568	24904	12712	27596	15707	18873	27754
33416	46489	44341	27045	31545	25199	21449	35493
28252	38296	41499	23897	24378	23804	22924	31920
761	4746	3693	5809	9508	3585	866	3943
67775	37121	37433	37633	26161	36055	47764	48724
20538	11228	11446	9770	7515	11280	22505	10022
78806	18670	32706	41527	17573	160357	101349	14549
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994503	74141	210143	434416	53957	2736057	926961	54046
391779	13756	76733	133748	13590	606857	424850	11680
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2935	2687	2371	5014	2217	4026	3927	2801
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7436	24388	17072	6523	23106	6845	4958	36614
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797	3203	779	1932	1719	2677	582	4447
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969	1612	741	1849	2442	1617	598	2809
334	524	187	583	572	395	143	682
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12406	17642	14781	12605	13422	11267	13023	16997
3866	4497	4564	3417	3056	2337	4319	5356
11453	21705	14567	21748	20624	25544	12080	15357
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80134	19572	17662	29089	13670	48497	71681	16798
63305	3281	2131	1978	2496	28896	48320	1512
7842	2877	2403	1775	3732	22881	8538	1823
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18207	8308	24072	32320	7544	26269	14839	5261
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14153	25253	18570	21415	14860	18603	13556	27853
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12428	106359	51471	40185	61328	31781	10473	106246
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24515	92913	44082	115708	90242	35228	21173	53724
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7586	15577	16234	14077	10538	16148	8247	14725
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15950	9764	18030	36636	12525	115190	12495	7308
189	351	260	1178	216	889	320	116
575	1777	939	442	1087	322	737	983
1268	3756	757	885	1700	1541	1139	4984
858	1941	430	1222	1797	1046	887	2956
191	121	223	382	170	582	151	84
7066	14760	30893	10375	18690	9667	5253	15824
21192	53038	95914	42476	52623	40735	15187	66255
6863	6628	5908	8059	4347	12432	9753	4263
4634	3429	4234	5802	2837	5175	3985	3030
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92324	89301	110496	115035	123169	170137	66210	79951
6888	8649	7021	3657	6309	4791	5452	7770
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93805	123982	179286	93111	102200	102057	88782	133808
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32588	52402	78319	79676	89371	75875	16007	77841
1919	5589	7374	9772	8507	3347	1309	10031
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31416	15482	20161	22346	13345	22045	32541	14862
2377	2228	2093	3359	1867	2017	1770	1576
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17509	3589	3575	3307	3890	14606	18299	3590
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23704	80249	93993	29946	102303	27495	17388	64873
21319	45437	79727	51741	92956	30178	18435	50199
7512	26106	15679	20761	21325	15747	8395	23586
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6166	14245	10306	6313	9161	24647	8533	11115
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53283	62597	131605	55235	66946	43299	42601	59199
40169	18442	17768	5180	13216	7467	40248	17520
53257	9783	14662	10456	9364	18836	48220	10803
2869	18745	11637	11844	16936	3749	2023	21754
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2375	2681	2544	1768	2043	3469	1604	2319
12905	61940	53290	32936	60896	26166	9119	50981
1756	1632	1271	1477	2048	1928	1636	1258
8374	1843	1671	1060	1862	3334	7683	836
1781	1318	945	15247	3256	5756	871	1505
1955	1765	1536	10676	4775	3857	1040	2083
252	137	225	178	286	79	112	263
1497	3413	1963	22022	5051	8294	1262	4433
2862	23381	19168	7605	16985	5825	2064	24644
1773	14924	14798	5128	10701	4086	1374	19408
9206	8532	11939	5267	6638	6951	10744	4998
2377	10193	13681	2049	11361	2599	2008	16238
3015	4170	3428	1801	4446	1881	2381	3169
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3564	3981	2730	2525	4492	3548	2296	4466
857	1116	543	1590	1557	1861	597	789
2140	1498	1056	1225	2846	2357	1048	1216
94385	14906	17230	21391	9587	50389	66116	12609
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2116	11061	10331	55726	13666	10089	1712	10553
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20924	26692	16347	7616	24885	31615	20521	24224
15713	14357	15747	5634	17081	15965	15251	19326
21737	42735	37249	11774	37659	12090	21965	38358
31595	76551	69556	20013	56178	18554	31359	72992
3873	5650	7544	2438	4687	1594	3950	8008
2037	3417	3295	1130	2133	830	2251	3187
7117	3905	4280	1444	3585	6119	7116	3123
32462	13721	12623	4705	13654	18387	24899	9579
1102	1004	1872	1133	1693	1306	2511	690
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22673	72187	90186	61062	74688	70877	14100	44500
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1969	4940	3663	2443	5049	3939	2214	6605
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Sheet1

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3829	14700	6680	6147	9691	6223	3134	14874
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851	22640	1021	1702	6551	2153	571	11935
3782	106919	3313	6089	43518	6402	2080	81095
1452	65769	1661	2937	37752	2472	830	53013
78	2023	86	187	1714	70	51	1243
2321	34987	2550	4956	23050	3195	1451	35872
1224	11836	755	1138	5943	1395	513	7425
524185	727272	581942	106415	620663	87950	364530	678118
10150	20273	21642	8759	19150	21547	7677	18954
5783	13843	17914	10250	15297	15869	6345	13037
2073	2716	2892	1091	2537	977	1883	1735
4708	51780	20990	10467	29306	31743	2718	26980
3461	11600	9533	13225	5417	7963	3693	7670
1622	4271	3674	3406	2186	2468	1577	2606
2616	7679	5230	5505	4344	3206	2318	6005
2470	8091	7572	3812	4966	2333	1804	6653
745	209	181	14	496	129	173	349
915	313	308	34	631	210	201	398
39090	48791	51472	46683	31875	27586	28281	37627
439	1218	381	190	521	280	279	3634
530	1681	487	258	901	311	315	6104
1064	1397	701	206	1144	299	577	6404
616	684	457	88	884	165	351	3478
320	392	361	230	359	200	251	1519
2854	12951	993	4104	2684	2492	1909	8099
601	3686	1188	2116	2322	3387	593	2684
1055	2180	1858	1176	1856	1577	1607	1463
5296	6460	8133	3471	9559	3912	6411	8581
34706	28004	47528	22705	24776	14347	28388	34823
6799	9163	14999	7420	6744	5356	5742	11879
190	171	199	132	201	181	119	288
2754	24242	39417	17523	25639	8994	1359	26741
8909	76385	128595	77159	57556	29718	3951	89246
2831	46940	60811	42350	27960	10270	1705	35002
7895	92782	143138	75418	58960	21772	4394	89787
2121	29593	38951	23429	17545	5852	1539	26116
4597	44496	60423	33565	31976	12167	2985	46774
1931	25413	29868	15195	16174	6372	1645	23720
5178	46061	72239	31534	28415	15162	2472	49241
2451	19969	36004	14690	13814	5879	1635	20940
4297	23004	24087	15445	16838	12428	2839	23020
3800	15539	17750	12271	10892	11950	2071	19124
12774	47988	59547	34731	39685	33506	7935	65314
4109	23330	23178	14812	18068	11452	3165	23203
2716	5242	6185	1326	4059	1252	1030	4947
2185	5617	7112	2137	6188	1530	1584	6534
9858	45998	35497	11469	48727	15311	8651	66164
15446	58961	59044	15238	58403	19811	14591	97336

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7207	14861	22519	6340	12109	5759	4734	18444
7387	54428	36240	26714	76678	17564	7655	36876
30239	114592	147803	76653	118075	62851	31552	147150
59729	9563	17079	14540	10822	81830	51027	5578
62428	19348	12036	28908	13686	71591	50249	9413
16944	24714	24569	26047	20915	42110	18404	22826
43747	119640	150056	56518	153869	65506	38841	106421
1026	1469	2141	1178	1080	830	1400	1431
22742	125593	127922	25838	104562	14368	21417	168030
11317	53288	48631	25726	47367	23584	14335	55882
3753	2029	2233	1452	1745	1565	3150	1832
2491	8994	7797	3294	9093	3367	1958	8822
2068	9150	17195	18806	5616	19028	2440	6403
2968	5100	3675	12439	6482	8750	2053	9294
2129	3264	3032	13727	4177	8836	1715	7662
732	2570	1467	1409	2515	1608	935	1611
583	936	1073	995	674	1903	473	850
6788	6126	10275	7434	5086	19871	4117	8044
128	37	56	46	65	50	29	68
3653	3699	5483	3365	3784	7743	2941	3990
6349	19213	42695	4112	13069	5184	4856	19470
289143	21760	8007	14563	152800	180194	428213	8676
3697	935	4262	1075	1123	8634	4058	529
5637	11749	10925	10450	10288	6235	6638	11511
121	538	544	285	418	144	70	426
1730	7789	10088	5632	5399	1632	1229	7769
331	2107	2383	1452	1659	635	432	2541
1262	1126	992	794	1911	2296	1203	1143
4322	664	909	2799	378	6921	3896	298
13083	3552	3605	35926	2386	36316	11047	1491
10611	69670	45241	19292	62134	11538	11410	57985
112	1076	261	526	855	415	194	911
1975	4097	5513	2515	4208	1254	2220	4755
65	20	16	23	16	159	56	13
3449	3232	3820	3514	3680	4285	3695	3295
2086	2697	2376	2498	2752	2093	1184	2715
12835	26381	36630	3848	16470	11811	10360	27433
2321	903	2341	1278	1595	3625	1442	1074
2595	1244	1831	537	2576	1796	1477	1354
1216	620	981	289	1395	1349	943	727
1991	1125	1374	715	1635	2152	1246	1312
15885	7319	8919	8394	17830	9794	7430	8663
4670	13682	13153	19357	16113	18036	4004	17856
1744	3493	3643	2498	4500	3180	1395	3597
2387	6235	5650	4411	5364	4142	1629	4825
3502	3072	1666	2639	2782	2137	3749	3560
989	481	1374	686	920	500	620	657
31	6	11	2	43	17	14	27
29	38	28	5	45	27	14	9
42429	11836	12687	6938	18907	19390	36860	10548
8348	8348	4213	9373	5543	6923	4708	5212
9405	7913	3951	2391	5655	1724	20098	13160
2221	38433	6225	13227	20361	4616	1967	34781
5132	6942	10955	4832	11665	5836	5357	8042
17591	16936	26469	16448	33036	22732	15166	14258

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5795	3794	9606	8029	12571	10922	4852	3113
854	1987	1111	970	2095	2579	1683	1458
1406	3276	34321	1069	3538	1167	829	3051
359	1416	1360	866	1650	574	220	1090
720	2130	1494	933	2652	591	381	1785
779	6549	4034	2868	13693	2569	805	5502
50	42	39	35	74	71	24	43
2240	4032	4424	2043	4586	1124	1772	3913
3200	6015	5173	4020	6123	2058	2609	4712
984	1461	1359	841	1774	569	661	1272
3847	7280	5611	5432	6266	5893	2628	4984
846	612	644	164	1649	365	578	660
33155	10437	4835	3641	10731	42147	27840	5726
3196	1761	873	695	2015	8286	3594	1227
2765	1219	475	439	1167	4430	1988	577
2935	1318	1640	730	1792	3816	1951	1386
6434	1594	1980	1742	2298	6603	5590	1389
39922	7082	5727	5108	8850	35690	38939	4576
13794	1334	3734	3439	2261	8296	13575	1584
980	512	997	481	1368	764	420	581
1654	732	2031	405	1822	812	579	706
401	183	558	32	542	152	196	169
893	351	1499	99	1420	563	422	364
1181	218	2117	106	1774	1015	553	326
921	302	1915	113	2010	851	537	400
1419	295	3662	304	3123	3235	923	338
2344	4162	3879	2616	6595	3210	2132	4321
3141	2562	2300	2463	2112	3105	2031	1789
564	735	766	1534	1169	672	671	705
373	617	600	1300	645	690	522	462
6663	4772	3505	2208	6513	4907	5926	3489
2690	868	718	738	1131	1795	2804	551
77	126	95	34	283	29	35	62
3952	3687	3468	1508	8960	1801	1839	3527
3099	1753	2569	1613	3538	1935	3172	1633
1761	1122	1463	930	2173	880	1617	815
1110	5539	7449	2355	17370	2637	657	2958
3943	26939	26480	7571	134736	15669	2475	13189
189	108	122	70	238	104	131	111
127	226	129	131	222	243	109	188
4187	7836	9534	11660	9538	8511	6607	6360
1622	3720	4282	3176	5774	2724	2053	4104
1	0	2	0	2	1	1	1
2045	5510	4655	3395	7749	2652	1784	3722
550	1288	1142	826	1799	661	549	963
1764	2200	2496	1059	4310	971	1686	2830
10558	40460	54077	48396	50664	17847	5792	42775
26837	94594	127724	103610	91616	41696	19134	111315
5922	4490	5898	2808	4574	4519	3751	4626
3875	4177	6692	4001	3961	4744	4741	5292
6495	5588	7154	5638	4737	6067	5846	4739
6500	3461	5873	6141	3353	5630	5715	3058
4779	21412	61285	115977	50784	29378	2181	27067
18346	106533	186317	321877	252316	121793	9605	104904
4743	22953	39671	70323	46710	21063	2032	22093

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9567	42776	87016	165449	80278	30135	4529	48922
7710	32798	62111	96507	67640	25558	4691	45206
9076	41168	81738	102482	94941	32880	4063	56435
9787	68123	90843	120967	125979	39324	3512	65445
22087	219941	281435	414161	323882	97988	11036	187995
8041	59528	84716	88346	89717	26876	2662	54488
3583	22428	37936	60413	42401	13793	1904	31364
6605	36939	56346	83497	79737	25400	2943	53457
10367	63821	96127	100020	123524	35254	4915	86780
7115	41908	51389	81622	77589	21209	3117	53086
9345	58949	99202	117529	117855	32894	5979	94563
8940	40986	76269	67061	69707	21245	4500	63715
16636	90302	118491	147129	163394	55278	8027	141658
15829	57172	81188	97864	112977	38214	8366	109565
12414	45362	54668	57323	76830	26339	5219	79070
5228	45326	42140	56517	66793	16257	4249	44933
3118	20448	20644	31883	28150	7690	2429	21779
13867	57572	73433	109384	100643	35495	7824	103391
20296	87299	111194	166289	120104	41635	12274	125758
10513	40535	58327	73805	63689	18415	7424	70805
13477	58941	53462	85113	86627	23072	8447	92178
22652	82174	95214	141490	121229	42368	13085	143485
7848	26904	28988	46630	38302	12082	4895	43614
13392	51894	61359	98233	60450	21043	9465	80315
43541	116205	169209	224623	124826	51867	27769	203460
17251	72818	74459	92089	68684	26387	13232	98116
6747	2795	3190	1269	4074	3603	8918	2454
25771	35321	79740	71460	31744	101098	19343	43679
16712	37729	31213	11420	24364	16707	12114	30829
227	177	194	78	173	58	143	138
5410	6257	6561	3126	11827	4590	5871	5325
14070	17486	21756	10224	10762	5245	10914	9493
232	67	91	26	158	28	83	92
2511	1831	1759	2568	1979	3769	3088	2505
502	802	1180	815	344	256	523	715
1498	3784	3264	3175	2592	2230	1727	2828
17744	29228	19813	15827	24131	24348	13292	29990
7399	14887	13042	7837	11531	11607	6366	15959
905	341	370	659	154	749	1028	156
1417	2373	1963	1965	1797	1530	1473	2654
3834	517	1280	2461	613	5465	3500	738
2715	940	1333	3273	1206	5396	2076	869
789	708	821	906	1996	975	990	388
26	16	19	11	26	38	38	19
178	72	59	66	83	85	78	66
79	27	47	42	54	61	39	39
13857	8707	8332	7716	8294	8155	14598	8334
3340	1792	1781	2009	1470	2059	3071	1854
681	635	577	568	538	739	901	497
6692	3965	3192	3617	3898	6383	7173	4731
2244	3124	2069	2156	2992	2253	2078	3095
5596	8749	5971	5083	10073	5743	4698	9780
1405	2627	2753	1976	3567	4529	721	2574
3025	4032	2829	1804	4294	2550	2402	4843
3699	3896	3347	1538	4933	2227	3426	5100

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1525	3681	3024	3212	4417	2074	1141	3646
2073	3980	3876	4212	6169	1697	1377	4145
4158	12672	10439	7471	37297	4694	5488	16121
30668	1603	3220	5830	2237	16443	28538	1691
7842	3292	5776	6819	5835	12980	5881	3084
6515	1982	5451	5354	4417	8661	6369	2409
1367	1577	1641	1599	2251	601	710	2353
7609	28838	60416	37118	39029	18680	5551	46144
2323	3138	4273	15260	5849	16166	2094	2250
2925	651	661	579	1431	4956	2084	496
2131	339	424	91	1642	875	878	354
2601	680	488	166	3911	2050	1740	786
8580	2298	1254	873	7291	6819	3064	1985
1204	710	397	199	2032	1329	731	588
1513	596	403	345	1464	1888	657	669
4288	1962	1582	1163	3710	5710	2369	2394
3285	1641	1241	904	2524	4832	1296	1667
4623	22246	30686	122153	14923	32462	7181	13193
6891	5836	4143	2231	6438	3994	8033	2546
995	2759	1618	1580	1920	1993	726	2061
2021	3323	2299	1599	2699	2038	1573	2892
15002	97689	22276	36699	80730	22983	10208	119787
429	939	677	659	562	2727	584	523
1459	5411	6251	4668	4365	2068	995	7871
1950	10576	12965	7361	6631	2644	1741	18152
495	3629	2274	4845	3070	1997	541	3795
5945	100491	4164	83723	44050	22475	7657	67159
5422	13054	14373	12693	9186	22178	3172	12348
4760	12686	19370	5132	12208	7312	3543	12959
2414	4779	11742	6168	5872	3197	1694	5897
1137	8515	3123	7657	6921	7364	925	8686
20683	83628	50281	132956	69134	95149	12376	124646
3884	10678	9417	16492	11991	8212	3384	10093
1797	2572	2601	2137	2577	1718	1677	2733
8632	3469	3080	8264	1918	22150	6375	2423
1326	6400	10060	1400	4056	664	1394	5520
720	538	700	154	733	142	487	603
13273	4634	13032	7749	14141	6646	9404	3852
3141	20441	14014	32987	15106	12456	2654	20829
1525	2671	3821	1557	1753	1470	1352	1956
213	525	303	189	332	235	129	244
219	268	192	213	342	230	176	288
2454	2633	2453	3416	2529	2193	2100	2719
1717	1089	1501	3253	2018	1344	1130	1633
339	688	1052	456	366	273	147	549
2171	2224	3518	1972	3667	2106	1422	2357
557	1538	875	856	595	225	317	799
8166	7047	7311	10165	8622	6973	10130	8387
646	1054	659	949	786	754	597	933
1309	1737	687	2510	2127	5153	744	1836
1552	2688	1452	5561	3401	5016	909	3461
1536	1960	1168	1087	2064	2017	709	1869
3241	2476	2366	1718	4712	4798	1476	2690
1165	1187	737	254	1322	558	693	1195
446	458	344	285	493	240	296	405

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1625	1351	1247	1410	2124	2936	1084	1361
3830	31409	10937	17310	8783	6927	3686	31966
2624	4779	6251	3512	8120	2723	2561	5363
2725	828	1172	1070	913	1700	2954	768
2321	10989	17886	7966	27326	4371	1945	13486
3829	15159	26858	13222	29839	6247	1888	18502
42	265	140	103	587	73	43	157
622	2891	2279	1381	3108	764	479	4078
534	1366	1382	755	1826	441	315	2540
892	2780	2261	2664	6039	1674	724	2889
862	848	964	749	857	595	422	643
11810	8807	34901	27143	4735	7194	9867	15563
2903	8397	7820	8070	7579	4835	2148	6691
1329	2568	3876	2865	3414	1995	1178	2974
3375	2827	2078	2504	1893	4765	3330	1566
3521	3222	2513	3685	2283	5210	4371	1670
2507	6752	7142	2814	4257	2100	1772	5643
3538	6281	5964	7708	5476	9096	3324	5393
2040	7603	7213	5465	8897	3797	1241	8018
957	2470	2968	1941	2792	923	744	3846
2479	2386	2802	2515	1647	1705	3906	2251
1770	2991	5501	3205	3729	1156	1472	4350
46	8	32	12	37	18	16	15
3281	17190	10033	7363	12833	6753	2763	17426
1987	11152	12588	39508	6449	7978	1797	8103
3082	3386	2342	6114	1979	3221	2003	2813
757	796	705	316	1163	594	360	734
795	649	812	309	1368	571	467	718
1336	1716	1799	2210	1782	2501	1116	1905
3007	3973	3180	2279	3724	3857	1998	3791
590	565	706	319	988	128	274	617
547	1391	1254	1198	1396	278	257	987
5745	4708	3563	1251	6929	3060	5301	4565
5672	37681	127913	63519	126604	25288	4139	32378
4067	3605	4049	3062	4037	4127	3166	2635
2067	5792	3067	3429	8573	5936	3278	5563
2249	2695	2697	3103	2215	3359	3637	2129
11258	6841	7047	2701	5195	3734	10217	4393
1321	936	1065	231	1667	420	1030	1061
2681	2580	2679	803	3863	1359	2296	3315
87	18	69	2	125	26	43	59
932	3649	11529	9372	11215	3120	658	1542
187	86	54	62	111	84	127	74
2296	2431	4493	3369	3071	1951	1806	2372
4309	3878	6287	10132	6572	10124	3819	2504
7728	4873	7173	7079	6855	12019	5797	3356
1736	4075	2438	1286	2740	2178	984	2913
787	2095	1602	856	1899	1511	661	1303
1202	1559	1578	473	1092	392	779	1292
3839	9593	11586	20138	7848	13407	3387	11352
980	4199	3093	5308	2144	3795	985	2037
1344	15024	18291	5945	17983	2426	1918	22126
6078	43571	38378	34229	48073	10134	6010	49679
521	3023	5422	2402	3143	1013	851	2354
1133	9333	8822	19789	22293	11211	1050	8830

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1258	3480	1620	4913	3438	3861	2297	2048
894	2865	6582	733	26931	711	439	967
1065	949	1134	992	1132	1007	518	777
993	1039	1169	2120	999	1212	521	939
1911	4419	4979	1892	7805	2495	1850	4340
4278	11965	10040	5657	14596	6360	3605	8651
669	1912	1939	1218	4087	1373	893	1885
848	1511	2603	596	5158	691	546	1640
870	464	1590	132	3743	170	277	347
2733	2263	6772	369	19015	599	1071	1317
5525	16407	26694	1533	81424	1813	2295	3946
1454	2806	5094	873	14883	1940	702	1217
254	604	1073	160	4409	374	132	263
3141	11622	16942	2609	63842	3818	1654	3543
1312	7716	9374	1942	30163	1331	558	3643
3665	847	1495	1289	1526	1444	4443	1115
1286	5609	11196	6242	12782	1920	1005	8467
136	380	1648	327	693	49	93	294
1900	964	799	800	1451	459	1317	1342
6760	8281	16484	19267	12201	5524	3670	9600
10499	3292	3330	23626	3461	25744	12927	1786
3761	1126	1380	6710	1353	6313	4583	573
77	19	55	30	53	24	28	22
3506	5772	13572	6877	8861	9485	2367	6994
444	758	2986	2777	1806	2729	416	1789
3003	1558	2325	3533	3090	3512	2132	1718
27587	38853	40267	102007	31315	113653	23175	27911
7536	7721	9737	28465	9686	28002	7013	7070
9380	18853	30615	90140	22326	70353	14410	20053
2692	5755	4044	14241	8205	4241	1375	8379
190	492	234	572	1247	261	205	554
161	1015	191	525	754	685	138	95
4347	2511	1811	1133	22589	980	4325	2697
1277	5629	9991	64844	3402	18703	1016	2225
205	415	440	122	364	146	115	417
3530	16008	37451	335946	9286	22317	1864	26109
1190	1136	1068	1999	1760	434	709	1110
1386	7342	1271	4939	2651	1003	609	5782
2133	7366	1682	5351	2879	1303	984	5444
1389	206	516	342	580	898	830	259
3547	720	1448	1156	1974	2422	4074	882
5053	941	1977	1571	3028	3014	5446	1082
7122	1058	2492	1301	3191	4068	8045	1396
3960	315	990	845	1493	2378	5209	539
2489	208	568	560	629	1715	3392	187
102	37	32	4	82	4	33	24
2006	2054	1985	903	3677	2113	1283	1882
1328	891	1037	294	2734	535	632	1233
39	19	31	8	83	17	9	26
13	32	27	15	43	91	36	24
258	309	336	176	386	364	187	254
3785	6453	5880	9222	4775	12946	2042	4600
5065	12920	11749	19456	8600	32241	3041	10512
1664	5730	7264	13771	4918	5929	844	6186
1069	1251	1366	319	1695	325	504	1442

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29803	1216	5868	3416	1595	12434	22055	674
2708	941	1186	968	1740	2736	2180	964
1035	502	880	1056	1107	2591	624	647
2367	6302	4635	12041	6294	17647	2008	7790
8	0	2	1	2	0	2	1
11798	20579	24590	30181	19151	21592	9663	21162
86	19	36	22	52	7	72	25
3660	4238	2844	3372	2985	4671	4860	2525
118690	11914	20952	7616	17808	37438	98538	6235
2302	2557	4295	3181	5594	2968	2341	3354
3114	2836	5968	4056	3974	3615	3295	2543
1330	1983	1118	3624	1892	6703	926	1823
2037	3079	1436	3397	3524	8305	2239	2794
1178	1132	605	1422	1497	3667	883	1009
2557	2820	1521	2668	4894	5068	2365	2284
87	30	71	14	104	27	62	36
360	119	285	27	599	76	230	251
18590	12171	8730	10996	14639	16013	18826	7027
9405	16195	6044	39566	24393	59360	4861	15723
6615	20535	14631	20903	21111	19075	3423	12795
1253	1734	3280	6098	2411	5043	675	2612
677	500	941	699	805	574	418	407
1670	865	1407	1530	1240	666	1104	745
13329	3874	7265	27461	5123	17653	8146	3767
4078	738	1741	27794	1002	12967	4555	618
27468	3207	6735	99201	3837	45471	20992	2259
2582	13908	12416	22646	15591	14455	2397	7300
2535	2617	3005	1118	4045	2608	2311	3426
628	1509	1532	878	873	477	446	956
843	1173	1183	734	1915	1103	459	1097
614	814	768	344	1017	539	332	648
645	518	567	124	831	194	249	465
352	283	341	59	502	106	119	274
1112	791	914	323	1511	308	354	736
2048	3148	2817	2460	6130	1517	1171	2391
1136	889	876	335	1920	300	506	744
1350	995	986	280	1691	278	800	760
534	441	381	179	744	198	285	365
611	569	740	351	859	488	438	378
2341	1203	1468	762	2222	2475	1342	1276
2076	10717	4793	45097	8139	18382	1098	11704
231	202	176	197	423	472	314	194
1282	1016	1002	533	1769	639	1386	844
985	1128	1223	598	2513	528	1404	1162
4155	1461	2468	1226	2129	1948	5358	1066
6482	3188	5374	3935	4111	4260	9490	2123
678	1261	843	665	1235	543	984	1384
341	165	215	133	359	149	204	229
2600	23425	35230	26437	86189	20246	1741	7096
167	137	139	244	199	99	65	153
1022	1058	1578	1163	1999	1171	797	1390
337	583	853	473	887	401	371	826
1594	910	1087	374	1404	404	665	1063
2532	2782	4319	1689	4412	1408	1534	4766
715	1155	1468	747	2097	538	597	1753

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429	749	921	441	1401	407	325	1218
2528	8090	8174	3309	10884	2438	2843	10418
1097	1347	1625	784	2064	579	1034	2195
2024	1574	2140	471	2509	1171	1945	1608
1483	2798	876	1344	1570	738	1901	1456
518	477	152	207	353	186	529	166
53	22	31	23	73	19	17	28
942	783	1292	2150	1890	1388	606	893
20410	28438	42496	52979	38448	52299	11022	33661
272	216	287	127	412	91	344	216
168	86	107	47	229	72	100	90
2061	9130	8559	2790	11687	2935	1252	8492
34255	42301	38241	186069	27491	52355	17733	69060
42668	48108	19910	502354	23372	175571	19466	65137
254	327	239	2543	463	666	138	245
67	19	41	3	84	20	18	34
2157	3240	2560	3305	3326	2141	950	2895
1812	1188	1509	260	2004	429	632	1224
629	623	609	213	1400	243	371	589
2947	31186	3295	1864	19311	3589	2473	21018
3924	32722	4370	1500	23915	1938	3464	19702
12059	5670	1657	3109	6826	19645	9062	2294
62742	28834	7190	11977	28784	18669	30985	11396
1458	2258	2541	3728	2593	1253	869	2168
2272	1795	2413	3245	1826	2812	2758	1125
44	7	24	2	36	8	18	23
1676	816	1568	1288	1695	782	802	887
342	264	167	281	393	299	298	269
861	685	6988	36405	1358	1513	493	642
233	166	2425	16073	399	642	131	252
2294	1358	1696	717	1824	1350	1669	1355
1318	3369	2702	2947	2021	1991	585	4234
161028	552	459	426	577	885	181978	293
396711	1185	1182	622	2019	2055	365337	991
150356	1226	1485	3281	1858	4366	121264	1083
502	442	496	249	798	463	384	179
466422	6460	4099	7991	3874	76452	242343	2827
85782	5094	4089	7921	4381	80975	91724	3690
16218	12057	5518	9908	41831	31818	9904	9896
1553	1010	2646	1612	1789	1533	1060	1319
617	444	504	515	1027	205	356	344
443	447	425	537	921	404	311	403
22887	7633	14549	12196	5441	28074	28824	10686
718	771	620	857	1027	625	466	750
112	631	1003	2101	300	254	70	550
11	5	4	1	18	8	5	6
2221	8872	3220	4658	10824	2373	1361	10035
781	3345	1366	2080	4084	898	593	4435
1172	5697	1927	2041	5974	1468	835	9811
231	3644	252	287	10874	133	163	2332
2814	7112	2744	1877	9852	1090	1513	8566
12226	3860	5801	6932	4110	14707	11114	3156
4590	1146	1523	1817	1157	6682	4091	707
3968	652	1417	1380	976	3004	5927	353
7482	10704	42558	16453	17124	5153	4042	13818

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19446	11325	20933	46784	9661	40898	16382	11036
15824	9449	11527	30991	4085	23477	8509	5467
309	368	1082	2054	651	658	154	546
1698	1914	2126	995	1793	612	1607	1517
3846	151572	97194	44185	55993	8204	4641	45965
1843	14129	1618	8623	3569	1772	1604	8608
230	769	629	439	1896	332	189	1095
193	495	534	342	1708	328	160	1037
117	850	527	411	1897	150	250	536
4518	12121	11300	5227	10471	3473	3724	10883
11925	9279	21147	5557	8387	6629	8173	6481
6614	3370	4750	3118	5084	4357	4595	2956
5308	4873	4312	3762	5889	36962	2399	2098
110	123	109	74	524	58	83	95
2583	2560	2513	1024	23436	1546	1534	2748
129	124	140	109	2524	199	104	158
2540	1758	3315	5168	3066	3901	1286	1803
933	3382	3199	6604	2724	4741	857	2215
78	20	45	35	72	59	44	39
2926	2680	2401	1765	3139	3393	2426	3480
968	512	933	446	1240	942	836	389
24054	3464	17166	24912	1611	81516	7363	2016
30711	7591	7712	7330	6092	44007	19078	3922
1512	1005	959	650	630	2742	805	615
986	897	1185	1815	1650	1576	595	981
2092	1221	1571	3583	2921	2840	1017	1187
1808	3789	1592	808	3099	684	776	3327
890	2586	635	370	1899	385	454	2105
1477	5686	1277	897	3174	451	931	3037
1464	3597	1325	1031	3475	497	858	3006
270	506	189	348	422	111	149	568
13242	140434	7074	34032	33398	5568	7177	162504
15642	55917	37176	29155	49755	16021	17428	58404
689	1055	686	681	1119	371	463	938
43900	266732	101282	114815	86073	54473	50338	228340
772	1066	784	4656	1998	2021	459	1007
113	55	81	55	127	132	55	43
340	196	230	38	411	170	146	235
1277	1866	1473	1560	1671	2477	1483	2347
6386	810	483	1602	873	2590	2232	498
13078	1342	1033	3855	1716	6348	6857	1072
1381	1585	1561	756	1870	985	1584	1006
6506	5405	4478	2195	4629	3822	5412	5205
1265	795	981	478	988	582	1094	563
1614	402	912	388	1213	828	1653	438
4264	658	1490	714	1306	1938	3211	536
4142	945	1832	1056	1859	2812	3138	905
8401	1639	3163	1934	2259	5731	3379	1392
1567	1107	1551	674	1710	935	849	1103
1274	604	936	335	1274	357	581	674
1038	391	555	424	1102	329	582	623
406	1114	998	547	2155	773	846	2509
672	923	822	550	1634	547	738	1515
239	358	356	361	625	262	335	571
1144	1124	1438	1195	1851	1499	665	1089

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4280	12953	13509	14824	8391	13035	3036	8573
2478	6431	5669	5674	4256	6985	3720	3664
929	1105	1507	687	1512	568	1156	1294
6839	4129	4931	2941	7837	4283	14223	3596
2801	1773	1893	690	2019	809	2223	1412
87	28	57	11	79	12	24	29
9703	3755	3339	3534	4229	4887	5801	3286
1816	2081	2147	4997	3086	6302	2463	2368
6660	6641	11888	20323	9152	20652	7457	8803
8109	10872	15981	25709	11626	24791	10072	11740
2678	2433	4041	2831	2724	1462	1317	1698
2020	3866	7083	4065	6584	2477	1508	3401
2637	2635	13340	15069	3802	5627	2171	1921
1920	3530	3066	27434	9842	19935	830	3462
2267	1111	1632	15006	3975	4866	943	1518
173	71	81	48	225	145	82	68
52437	14958	78381	8688	27261	42614	28020	7470
39982	86431	176900	69049	103973	52374	24929	76762
947	5600	1342	1941	4228	4866	1700	1923
43220	9505	8754	12656	11136	30568	48932	6578
1249	875	1252	396	1207	895	1084	671
269	523	306	223	324	211	297	391
2696	77757	3617	2435	5750	3292	1339	64677
1868	98351	3639	4592	4583	9043	1502	97384
17	155	10	1	36	10	10	55
1251	20295	7898	11733	4460	7778	1313	15192
1325	6617	1682	1699	2359	1276	906	5859
1432	44444	3444	7733	6233	3397	942	57145
49	34	23	25	32	131	10	12
126	49	85	15	236	15	93	76
1967	3743	2991	2147	10504	1840	998	1339
18130	45769	28746	28354	85819	20116	10533	19181
1103	760	937	521	1622	244	469	1015
287	1838	757	1029	1967	713	262	1668
882	3315	1513	2007	3065	1501	491	3163
4420	16750	8179	11121	14607	6243	2330	17077
35	4	27	25	33	9	19	26
531	1366	826	678	3476	899	338	1287
27	17	17	31	99	16	10	22
2312	4551	5221	2775	6026	1799	1741	4077
1683	1629	2332	1479	2385	604	834	1570
4236	9883	8908	2910	8599	2399	3633	5343
2961	5130	5106	1835	4874	1623	2325	3583
2983	8979	4704	1106	9375	1594	3741	4325
2228	5695	1660	537	12482	2775	1078	9723
42	45	64	33	82	32	56	41
2048	2096	3793	5408	2056	2146	1955	1851
1575	2503	3158	3801	2627	1928	963	1996
43208	167089	298169	112546	78735	89188	26043	160485
1335	5271	5798	2142	4269	1981	945	4333
2336	7592	6632	2398	7171	2302	1260	5967
2156	1071	3569	890	7033	958	865	1162
1559	726	3094	563	10335	603	679	869
3247	1462	5054	669	28541	669	1112	1303
541	671	660	610	2544	793	555	419

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2986	1758	2247	5177	12612	1361	1508	2604
10823	2322	2425	3350	15024	13141	12732	1366
2778	1752	1536	4041	4340	6173	2533	2784
1585	786	1359	1475	1873	640	711	937
3407	4653	10466	11445	5509	5791	1793	4255
3015	3318	6784	10698	3628	5130	1588	4012
14995	44466	46044	51122	39477	27262	11345	49193
23497	35638	35398	64072	47439	45727	26341	30649
21061	12912	14761	17209	11671	30143	19036	7168
96198	40509	40899	64820	42674	181129	76907	38753
1289	4245	3257	2776	4097	4993	711	4618
2149	5412	5457	4397	5537	5734	1094	6578
3249	4472	6263	4899	7467	6456	1819	7233
811	799	1274	484	1927	1364	410	1554
2589	2066	3182	958	4334	2169	1158	2954
2009	1737	2827	769	3651	1966	1103	2994
1876	1624	2617	955	2673	1341	894	2296
33005	33011	36889	33490	43685	42644	18166	36619
2404	2122	2616	2483	2644	3441	1401	1784
318	313	498	152	702	91	238	342
1070	997	1370	405	1638	266	533	1128
697	330	517	124	507	349	200	380
1651	1372	2107	852	2154	1659	1117	1627
533	413	780	237	719	209	423	498
900	570	994	337	1331	248	897	663
638	528	899	294	1020	309	591	521
623	413	583	207	748	234	662	460
191	160	224	129	330	96	252	151
85348	11925	32612	22331	11167	21326	47276	2997
709	307	563	2406	632	295	265	403
390	152	353	931	272	141	186	177
474	318	371	1521	834	358	205	486
408	243	331	542	290	393	213	196
5131	28663	2666	1554	7656	2195	3938	28138
2698	2317	2374	3097	7091	2586	1117	4044
1495	1082	1161	1735	3266	894	621	2084
302	357	302	489	973	241	189	684
249	250	179	570	667	206	133	683
1521	1084	966	1474	2629	528	514	1822
1584	1390	1242	2380	3146	514	644	2645
256	355	199	1226	855	212	140	836
1203	1064	962	3022	2089	589	633	1607
3719	1301	1749	2121	3629	2038	2596	1276
376	499	507	1086	1122	396	376	729
454	634	739	2349	1351	785	351	857
2305	1950	2096	10260	4790	3327	1326	2200
903	445	876	4140	2019	1186	563	868
1543	557	1067	6979	1914	1967	511	822
351093	3327	2002	3962	2356	70394	501129	1259
2985	1598	1901	655	2099	996	1857	1456
21605	25715	7941	16716	11351	21606	13106	26312
1936	1281	1626	1868	1353	998	958	1143
1082	1158	2093	5669	1270	14663	1258	1529
2663	1077	3030	5046	1560	18184	2142	1283
487	211	264	154	434	450	250	222

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2257	4667	6988	3675	7975	1529	874	3953
5299	1091	2372	1985	1750	2619	3153	1216
768	331	438	167	712	247	278	366
2047	958	1549	679	3502	1193	1858	1095
1144	433	849	1016	895	2532	716	458
886	1027	1548	1281	2139	739	921	897
749	536	673	211	1868	268	459	467
1236	717	860	350	2989	489	462	692
42	46	56	46	80	36	12	33
512	2426	2058	1274	2628	820	267	1936
332	745	1385	725	556	200	372	523
1002	1494	1429	2887	1907	3913	552	1393
40650	293203	273989	129195	171247	58925	38275	120539
615	1032	1775	1255	5810	788	416	848
1013	1448	2997	2046	13149	1282	648	2027
1132	1546	3878	3126	10410	1307	595	1475
20874	40407	37501	22067	59622	46682	22830	38854
7588	19764	21532	11470	28915	11037	6222	18145
17292	36967	40740	24518	47783	26914	13379	38972
10869	19427	25354	11237	24737	17143	10827	25837
2616	5289	6017	2299	4780	2249	2689	4849
3611	41355	20763	10721	54789	12478	7121	31794
342	706	341	803	672	815	521	357
3098	23184	28932	69656	39528	33130	3401	19302
266	491	414	822	293	715	127	220
80	133	96	51	208	84	64	113
25	51	53	98	96	19	30	132
58	67	67	62	82	252	36	61
215	693	1362	874	869	236	211	569
179	235	157	81	368	167	268	138
23	26	35	16	70	31	27	36
200	119	187	62	243	49	113	113
29	27	27	5	61	18	14	18
132	374	1215	584	396	305	150	498
27	8	9	7	20	5	9	4
1209	3713	1792	1019	7249	1212	1017	2411
5	5	7	2	6	1	3	5
37090	22840	17795	3986	16179	57109	42024	8396
200251	24250	16292	4590	24189	117622	143437	8540
18	9	15	1	55	9	3	22
71	49	53	15	202	32	20	81
46	28	27	4	53	7	16	24
72	26	41	20	106	31	26	14
51	12	32	4	43	6	8	16
82	30	66	3	71	29	20	22
43043	23463	17057	4001	16124	68186	43814	8227
30148	9165	4073	1442	5418	47313	8192	2353
30529	11358	4647	1510	6639	52470	8848	2834
27868	8481	3772	1332	5229	45829	7438	2241
266761	45701	37901	8765	45477	143319	322895	20291
252327	43116	33715	8209	41150	131913	289784	17944
186996	20651	13263	3968	20235	105360	124322	6953
199067	24381	16335	4677	23743	118589	142779	8401
293	375	356	578	510	198	210	134
8	16	5	11	13	13	3	10

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162	303	146	194	328	150	128	86
23	96	35	69	65	74	14	18
42	54	24	98	63	41	15	19
346	146	159	151	106	79	71	44
57	58	61	41	60	58	58	25
38	42	36	27	33	16	20	20
136	103	77	33	139	28	21	61
42	70	34	16	50	26	17	26
716	695	647	713	803	443	322	333
12	36	31	11	19	18	2	37
150	192	248	208	221	155	129	93
7	21	4	20	14	24	6	7
231	233	171	214	279	182	105	79
103	213	274	179	250	171	86	80
93	93	80	203	141	553	46	45
47	51	26	109	74	78	41	16
20	19	13	10	16	5	18	3
40	59	50	151	91	88	42	22
18	94	30	23	39	19	12	45
380	1798	953	808	848	300	352	571
129	133	245	109	286	198	122	148
291	283	185	334	220	245	161	101
530	427	617	294	766	388	289	400
118	59	72	18	68	18	36	30
0	14	0	75	87	86	16	1
147	319	304	251	303	108	161	122
28	61	120	44	34	18	20	44
17	11	17	1	39	4	7	22
199	308	495	82	326	67	82	213
28	33	39	33	37	12	11	13
178	347	516	219	443	235	162	218
25	22	27	15	31	9	7	3
133	163	138	186	236	142	47	40
14	13	21	12	34	33	5	11
29	31	19	30	45	32	19	12
153	220	264	146	141	43	74	86
57	92	95	58	88	35	31	41
142	191	125	99	210	169	77	67
126	191	123	109	191	139	54	72
308	349	465	296	702	376	249	263
5	4	2	5	10	5	5	2
52	27	37	11	63	10	28	32
42	66	53	44	64	133	30	50
425	275	391	388	454	243	177	164
696	439	652	351	431	204	198	162
91	168	106	90	131	56	129	50
36	22	31	7	25	13	8	5
38	37	36	13	29	11	9	12
49	58	36	34	29	14	17	14
35	31	31	24	39	19	24	11
27	68	23	37	39	25	21	15
66	573	171	393	385	206	192	92
169	55	130	60	119	106	81	70
23	65	58	302	115	40	24	18
61	413	168	446	301	129	94	75

Sheet1

127	147	204	104	204	191	75	102
54	57	48	18	93	93	27	37
6	20	8	4	12	14	10	1

Sheet1

Sample_13	Sample_14	Sample_15	Sample_16	Sample_17	Sample_18	FPKM.Sample_1
38367	16810	26469	22296	19362	18543	468.2737524
50439	19856	34901	34878	27266	20553	309.9490388
1432	2176	1903	1552	3978	1743	6.181028967
10926	5283	8345	6508	14218	5835	51.61092077
43526	9155	22085	16274	34903	15154	248.5764206
60815	9374	27547	19793	37565	21810	223.6498939
9482	12972	16051	11019	3409	7821	14.61258748
511	814	473	1573	1083	1037	21.54410783
31496	15262	14527	13454	1940	7227	157.8458
300	3154	431	1397	205	397	1.213866343
103	1836	357	792	109	271	0.454306738
1087	4828	1292	4272	1152	1365	4.863914627
3767	3854	2418	3999	2901	2935	4.221464521
54472	31056	31133	32354	18314	30419	104.6295324
17211	7236	9944	7521	4404	9693	21.03467628
34691	23149	22424	19375	12575	22083	34.17554264
18434	8119	13444	14584	20016	12721	164.180618
18282	8623	12823	15803	12166	11214	30.24245397
16669	9332	14645	15531	13081	18556	16.17424727
13102	5877	11396	10141	8840	15567	8.607523808
15355	6047	13834	10702	8500	15277	10.63123708
3633	1144	3593	2043	6563	2148	1.938558698
5658	6296	8988	3894	3962	8042	6.70249444
226	226	210	724	359	258	0.24716799
3339	1821	4327	1823	1467	2533	4.508316627
22	90	39	230	90	63	0.004295433
443	269	412	562	470	279	0.37952996
5393	3159	4824	3807	5723	3911	3.57394037
2247	83331	3836	56000	3893	4166	1.708525461
315	16625	586	9876	614	615	0.313473653
2096	61211	2369	46500	3221	2729	1.160342794
618	22703	1081	17136	1228	1015	0.389643145
2141	20152	2041	71849	27886	1785	0.640855135
8337	67348	4989	171169	41258	4347	4.078880366
2197	24733	1935	53182	16157	2045	1.003754707
2435	306	2319	361	357	942	0.426695182
54965	6472	38173	7277	7469	21853	19.70274308
428	311	406	900	452	327	0.150985759
1776	733	1037	2220	1383	1036	0.992113697
521	1282	498	1210	848	811	0.379345587
271	499	166	672	407	329	0.193442236
1054	1740	610	4919	2134	854	0.827542525
235	389	273	374	301	397	0.092986417
979	1317	921	1817	887	864	0.401882285
2079	2785	2417	3328	1340	1310	1.001681508
5509	4740	8390	5559	2225	4850	3.403766967
1960	1946	2053	1585	402	1214	1.114132982
442	404	1825	687	441	835	0.211984894
642	661	1808	878	620	1182	0.490966779
815	775	1972	1145	721	1308	0.418941112
1733	1414	3365	2078	1275	2580	1.088277725
1576	1073	2700	1713	840	1725	1.045054303
8390	4688	6219	5005	3347	5697	6.845488501
508	694	674	1186	521	847	0.283953984

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760	927	705	1709	775	855	0.526474722
23082	8540	32808	11894	3667	29454	1.510394183
747	921	1345	2245	1893	1742	0.744674632
188	148	194	693	577	460	0.198505603
509	463	590	898	815	819	0.219985104
437	214	480	213	206	491	0.174766486
5162	6309	5136	4474	1308	4620	1.802701165
902426	248530	10417	28699	4527	6037	798.6373776
3561	6197	825	1622	493	670	1.156717303
348	526	452	1464	658	627	0.332603539
284	177	321	520	321	419	0.125553982
506	217	819	618	392	658	0.457635748
211	156	265	672	490	466	0.127611322
225	179	299	697	466	441	0.243917492
340	309	427	1173	680	802	0.174834325
262	150	324	554	323	336	0.101868336
523	508	724	1344	877	974	0.274225922
585	378	563	1336	949	1018	0.268339863
609	433	613	1157	736	757	0.298554178
1030	774	907	1770	904	1174	0.397697626
677	662	715	982	376	623	0.207354409
759	638	3085	1198	790	2545	0.353297361
425	180	1267	514	460	1370	0.089183558
857	7947	5472	6560	3821	2541	0.603360422
20	25	52	144	145	125	0.022591372
417	263	740	994	807	825	0.218309697
141	96	235	462	388	365	0.041259644
251	172	378	491	476	542	0.091703427
478	295	517	753	712	718	0.2512199
1273	1084	1510	1216	470	1307	0.144167526
3882	3193	1793	5615	1925	1467	0.684232437
6675	24888	26767	6331	2802	37175	18.49771795
1802	1468	1839	1417	801	2350	0.809555942
2691	1860	8074	2359	1759	3216	8.544271875
13908	4813	16681	9461	5254	9818	26.44368192
13930	4010	9063	6154	4900	6640	19.26144646
17990	9262	14369	9636	7002	13025	16.82398553
411	328	648	935	598	833	0.155382863
207	157	355	551	380	476	0.093913474
174	179	619	664	448	600	0.06159621
148	160	887	468	362	708	0.057574501
965	1736	2830	3446	1941	3041	0.455613468
2776	3086	3902	3530	1257	3686	1.207237387
35	29	54	54	29	52	0.003258973
152	231	213	399	256	294	0.027817269
43	71	107	63	55	80	0.01286572
296	235	1085	482	426	932	0.046287107
9178	9616	92471	7324	2943	43841	4.178941075
113	1126	3637	1682	428	3877	0.03855045
119	953	6059	1741	374	6472	0.020236412
283	880	6927	2144	904	8522	0.213884513
717	1635	24039	4025	1779	29442	0.256912151
605	636	14401	2481	1282	21185	0.191108465
385	426	10752	1524	763	14462	0.138068335
661	545	13426	2043	1156	19975	0.290637765

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172	155	4577	494	272	6028	0.03491378
419	426	11405	1217	651	15416	0.076144339
637	659	14651	1710	852	16966	0.325241204
320	318	5323	587	270	6296	0.060884619
1337	1184	20290	2840	824	17977	0.629943207
576	745	11617	1818	523	9459	0.184401801
524	635	10455	1487	420	8506	0.124060652
1238	1510	18421	2887	620	15269	0.244325515
1733	2233	13801	3376	687	9911	0.455664126
176	369	396	554	135	205	0.091523484
369	510	735	993	261	249	0.264851221
948	1018	894	4315	3157	2177	11.78141125
667	453	682	565	487	816	0.109568093
34	38	87	124	129	183	0.005006917
1027	24342	2657	30898	2079	2218	0.716683919
204	2827	328	4756	520	619	0.134804762
92	1080	155	2080	244	225	0.039800941
368	1870	541	4575	414	544	0.093580245
591	2779	709	5054	1058	1373	0.27438294
2012	10156	6255	32326	21628	6062	0.317280712
202	965	972	2889	1188	3692	0.053709847
1444	3308	3682	2225	1135	3238	0.524701294
20496	22377	199336	27443	8960	826854	5.095385039
2241	2713	17947	3609	807	63795	0.486380814
1837	1689	7543	884	1468	4015	0.457570152
416	694	390	749	338	421	0.068176709
518	994	519	893	467	689	0.09868175
372	594	472	726	509	603	0.115533692
354	1088	503	995	664	676	0.100958065
1255	2214	2339	1028	457	1358	0.392631636
2171	633	502	2977	1129	755	2.241628359
2739	1152	993	3979	2652	1676	2.668603601
9	8	16	26	15	24	0.002223235
53550	3723	18377	2967	1276	13173	11.3366125
164	189	306	537	377	409	1.604359906
448	356	579	1105	930	967	3.696580615
1180	655	1087	1511	1076	2248	7.122493118
667	477	734	805	527	2205	0.584935158
68	114	76	168	140	157	0.008728794
14853	10105	9207	4651	2416	6366	3.201268214
4216	4293	4622	2200	1484	2731	1.726254547
3043	3606	3043	2020	1166	2067	1.118534764
4422	8209	5763	5944	2372	3343	2.940972596
937	41242	1712	17079	6963	2031	0.428418315
153	493	340	825	743	594	0.091922698
239	340	357	924	888	707	0.115430404
547	739	952	1808	1352	1235	0.124858007
1451	959	1450	2283	1885	1805	0.231274323
1212	1525	2459	12136	12948	1838	0.191248283
5278	28368	5465	238313	240817	4226	0.674871692
3105	12958	954	30299	16104	1192	0.205350827
241	252	329	925	944	750	0.25322468
283	248	276	832	717	468	0.87429991
285	325	418	908	721	574	0.46715553
235	263	341	675	479	452	0.105888007

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506	484	555	1326	791	885	0.161289137
806	551	673	1638	992	945	0.235585442
767	858	645	1711	882	1012	0.133370944
2460	1137	3349	547	601	6545	0.057395073
689	753	876	1405	987	1432	1.261172308
1573	458	1404	751	471	1425	0.265682513
3555	1295	2844	1283	1042	2733	0.539487102
1002	781	1103	438	339	932	0.132478124
173743	66455	57559	16112	3999	40207	38.40687332
38363	11832	11191	2433	1667	23007	6.735262284
532	173	179	136	116	199	0.025327086
3264	2242	2048	1819	984	1745	0.171210955
211	5211	216	707	353	627	0.011912192
6233	69646	7483	5778	3519	8752	0.20884266
9	22	11	33	13	36	0.000866115
632	850	1980	1330	1109	12449	0.119552314
386	437	1453	1218	1017	7657	0.120677215
263	297	941	938	1052	4840	0.111282584
449	778	1032	1652	1088	3262	0.162007633
484	2313	1341	2798	1294	6034	0.20200787
2871	5057	1768	1882	1348	1878	0.373852914
3418	1133	4417	3115	2226	3298	0.446045914
5781	606	1919	3099	1788	1492	1.158587821
1301	217	787	1024	539	561	0.179406257
53088	8229	29828	41823	17182	17388	18.78066957
243	461	345	669	191	484	0.022102022
259760	105059	259421	30652	11521	258683	26.98341968
173	1104	613	267	102	734	0.011295889
730	1344	865	2131	1057	1287	0.19207068
1172	342	858	688	766	1551	0.124515993
1	4	4	12	13	20	0.000318578
290	343	586	1093	869	931	0.06453145
32	40	78	99	91	77	0.008661155
64	76	147	198	182	233	0.013525597
381	409	576	1158	816	860	0.102994273
625	659	937	1568	1064	1147	0.198526028
17	32	34	82	43	47	0.002176833
447	610	481	973	411	537	0.056809779
2634	2364	2055	2257	1036	1271	1.373479858
3424	2389	2207	2712	1207	1686	1.512759487
4254	3145	3206	3228	1716	2276	1.428853917
3210	2109	2662	2859	1942	2589	0.442168893
8382	6667	9333	5843	4109	6036	1.207406817
11525	8194	12297	8068	4167	8434	1.090349439
48762	33799	50430	36566	16896	39077	5.196111459
42697	35338	45261	37232	13971	33546	5.272555618
6328	4153	9495	3687	773	5882	1.354943178
9078	7084	6381	4324	2296	5575	1.048233536
1566	675	1391	731	481	1368	0.088410304
21761	2622	4687	1484	489	11609	1.196900763
21500	3468	16864	2097	761	43280	0.816331179
1824	4626	4023	3557	17018	3125	0.124167019
1126	3110	1209	4582	7400	869	0.174611079
2467	3425	2488	5074	6856	1713	0.243885116
422	366	571	696	565	557	0.070788222

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58	64	61	182	136	58	0.001283707
1531	691	1199	1096	945	2587	1.214363897
624	355	542	403	441	1003	0.376600542
507	196	365	427	353	752	0.270706248
713	546	685	800	674	958	0.123535304
106	183	70	639	175	90	0.009274632
584	599	2045	1086	411	1354	0.054011494
1461	1170	749	1586	889	3309	0.10997571
1317	1408	1250	2478	1054	2094	0.206333055
4208	14119	5481	27265	8145	9373	0.331268279
528	328	2856	509	312	1924	0.077715501
359	174	1774	348	225	1082	0.016585997
593	177	2618	434	312	1079	0.019381183
5652	2055	25232	2252	1594	9281	0.294858879
320	826	1741	576	574	1064	0.036107619
407	1033	2188	1010	491	1092	0.025636463
1283	1314	4513	1390	1060	4011	0.182410245
2849	16767	15095	10965	748	19447	0.245241603
3938	8000	16531	4032	1836	10252	0.284430183
995	1984	7470	1226	658	5970	0.062382148
65	32	310	87	59	177	0.007014282
578	384	4168	1149	928	2704	0.055055342
2878	1902	16373	4067	3054	13538	0.406599988
301	202	1631	468	384	1492	0.03107147
320	158	1235	317	242	1098	0.018750729
295	225	1388	377	177	1254	0.01857772
222	169	1057	248	142	693	0.022681071
9816	4206	17909	5631	3730	10743	1.223590142
14066	3150	14787	4270	2887	10892	1.282954056
4076	866	3772	1468	1372	2965	0.320998258
2967	592	2578	663	697	1537	0.128751833
353	1092	2620	1286	244	1241	0.012059814
873	875	1908	1895	1236	1443	0.096270088
1165	715	2104	1548	967	1232	0.096608027
987	642	2291	1763	1220	1229	0.146931947
1382	754	2632	1673	1141	1209	0.131807357
1134	645	2747	1228	880	1050	0.087303399
2087	1663	8463	2103	957	4955	0.209623801
1604	1327	6581	1276	425	3037	0.161930914
12986	10150	20733	5596	3329	7792	1.049241467
2383	11146	6677	25829	12197	4087	0.24032313
2733	522	5658	1388	842	2292	0.143817096
2140	1437	1898	3467	1296	2213	0.213260416
1597	979	1416	1895	663	1631	0.145078382
37	30	45	127	82	118	0.006738312
2265	7590	2560	4006	1525	2389	0.225950139
308	344	319	982	808	864	0.144401313
317	362	235	554	323	475	0.105922646
231	377	339	532	299	582	0.04321311
207	280	375	882	690	794	0.104698249
122	151	250	581	483	504	0.121624935
542	380	629	1149	910	987	0.296741896
2372	2292	1783	5495	2565	1656	0.730549259
676	793	831	1287	500	1049	0.06072168
261	439	378	1421	746	652	0.070241527

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13079	226036	158096	50136	6764	1483477	0.775594661
2085	1787	1453	2181	969	2000	0.260773794
1298	1664	1024	2232	908	1590	0.126378647
66	275	339	250	163	825	0.004415416
3023	1191	4650	2546	2519	6720	0.374466011
816	311	926	584	674	2074	0.124448104
547	328	1022	509	401	1643	0.069337173
1629	603	1795	1305	1189	2931	0.284021852
2986	1321	3676	1890	1933	4728	0.294266798
3577	1809	2887	2682	1511	3926	0.460819613
697	561	549	1196	575	1670	1.157934725
145	131	123	295	192	390	0.889920101
73	63	101	236	173	247	0.358704888
490	348	536	1159	910	1039	4.169290289
4637	15557	3237	9138	1569	1666	0.903323904
2108	2965	970	3609	1184	1203	0.349602727
898	911	482	1593	494	436	0.06991759
1694	831	834	1125	790	1701	1.766432883
559	765	486	8949	13877	634	0.092217755
1439	1894	1129	18653	34097	1350	0.176764268
548	832	430	7286	13608	598	0.044942878
974	864	1232	922	777	1263	0.050195891
27	54	41	338	1111	108	0.004287898
336	10802	928	6520	1008	648	0.173537509
310	3803	651	3403	932	769	0.084457432
590	4781	942	3892	1398	1244	0.140618109
760	5073	1022	4476	1092	1181	0.079939534
2195	2979	1558	8736	3368	785	0.047187782
3581	5642	2130	20575	5666	1295	0.315223819
2102	2634	1383	13044	3690	602	0.092758636
225	166	86	367	131	104	0.020706223
1033	947	279	1292	286	353	0.121721093
1908	1699	587	1918	507	678	0.225332343
1642	2751	1070	2138	656	1054	0.049935153
1623	1686	1205	1306	573	1442	0.051639994
18234	4430	12283	5660	6560	9681	2.94712985
719	1087	966	2609	604	682	0.083884737
1799	2542	2934	9923	1427	1636	0.138906287
368	1167	1146	5138	1049	1018	0.070767498
108	503	245	1828	391	280	0.02066186
110	592	322	2121	657	410	0.042444481
2933	1607	1484	2428	1518	1371	0.381632047
4789	5611	4372	5035	2893	3849	0.179624866
9708	2706	4739	2791	1503	3059	0.54048613
55801	22597	40674	19000	11647	24152	3.883714391
877	9437	2136	14301	9863	740	0.022519335
139865	50534	120659	57241	38543	138099	5.917831066
217389	58633	162642	76908	40087	153128	7.575493395
7466	4402	13072	4418	2792	9440	0.157863114
362	818	441	960	1296	572	0.025219235
419	913	391	1291	1434	475	0.035395319
380	870	590	1569	1583	850	0.053517231
1089	21075	1040	3879	1244	1456	0.084484473
318	618	482	968	574	527	0.017857116
1356	2515	1809	16809	2476	2669	0.142664265

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1054	5304	2269	4191	2102	778	0.076766266
1209	2650	1265	11536	5945	4339	0.095738002
1095	342	1117	518	385	759	0.0994038
976	1511	1991	1568	835	2534	0.02484581
4817	3079	3674	2002	2839	3048	0.3338656
282	138	213	191	312	315	0.004711796
117364	188967	232630	289211	345451	143764	8.130806801
42911	66751	93611	105166	138788	59016	3.742084333
6419	4935	4617	13835	20824	2913	0.666194505
1594	17922	4732	16028	1090	16657	0.180365202
331	271	306	604	1355	943	0.019580134
32794	14409	28847	6006	5379	16171	2.150513732
12856	14927	5537	15322	7179	5476	2.375919142
1407	1550	1216	5952	10737	1600	1.226150483
1398	1149	806	982	243	947	0.210958428
4818	3956	3007	5027	1199	3287	0.664685952
65308	59289	30219	35438	6711	18706	8.901152234
24152	28803	13715	15158	3304	9870	2.185011123
444	1968	848	3768	3373	839	0.033689415
459	491	586	929	920	895	0.03205332
166	331	124	525	513	254	0.012875892
415	506	553	2272	1595	548	0.058705124
103	739	341	868	565	368	0.007870848
1380	1532	2230	7133	5421	1440	0.283985213
484	590	404	1224	602	503	0.022579127
367	826	385	996	859	449	0.032215477
1542	3049	2223	5750	4094	3558	0.210234861
9	6	14	19	29	43	0.000473192
724	1747	966	2324	2524	1937	0.108924891
373	372	353	960	715	661	0.036523573
477	533	551	950	610	667	0.030129342
969	1683	655	2694	1314	858	0.071320394
406	441	301	793	363	406	0.03500649
317	564	270	717	332	231	0.022064185
981	1134	1163	1596	885	1179	0.058311766
99	91	97	289	164	191	0.010580326
10192	1006	3348	1571	1304	2968	0.638887349
7772	775	4521	1340	1396	3906	0.236838016
5970	1024	573	475	393	819	0.011856724
34413	3705	1997	2081	2016	2573	0.122056303
243	28839	8199	33190	485	29992	0.008141008
781	601	2207	1086	817	1292	0.036758329
1040	654	2571	1606	1359	1893	0.123438837
1733	955	9641	2113	1955	3954	0.138393882
5786	2674	27862	5666	6149	15511	0.614521857
1940	738	9736	1595	1806	5361	0.126715673
698	450	3921	973	1112	2911	0.051874182
783	639	690	901	567	1028	0.09909679
4288	2461	6489	5012	1681	3075	0.318557764
108	150	231	396	265	342	0.00997624
3889	1103	3186	1516	2491	3245	0.433178335
32341	5535	22653	7980	11378	18408	3.952016915
11255	3523	9004	3884	5946	6254	1.452493889
108	211	221	378	294	268	0.006635106
3468	1335	2185	1310	1378	1537	0.239871596

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6305	2599	4337	2743	2926	2675	0.408074035
261	113	194	339	436	329	0.013126155
10364	1683	2301	3279	3105	3207	0.232972269
1192	5149	2267	12185	12637	881	0.087722112
1678	7849	3097	13511	11726	1299	0.176026536
327	41273	1876	27889	852	954	0.402405495
214	28156	1099	16853	425	794	0.217098408
2027	249279	10101	127233	2557	7443	1.184819899
116803	93415	96331	83436	15889	71278	1.509587407
1740	945	1285	1685	2905	834	0.092500423
1030	893	733	815	283	749	0.085741358
3275	1955	1543	2457	639	1319	0.266762642
3427	639	2463	1446	1029	1340	0.126381105
1522	812	1721	1457	1568	1097	0.100672519
357	350	441	1115	1433	800	0.044488052
1653	6161	13037	12522	3406	5804	0.306225547
2025	3145	8279	6605	1374	3638	0.123410077
12416	12199	12304	10435	4696	5612	1.796362799
11690	5051	5782	5578	2292	5112	1.102182015
2966	1221	1594	1414	770	1513	0.269569982
573	231	362	567	1261	452	0.004501663
1901	1093	1373	1075	1566	1254	0.138012211
28694	9731	15864	12937	14112	12038	1.592145313
12824	5273	8492	6246	5730	4700	0.72489652
22395	14458	14974	13910	13077	9195	1.099985627
85	30	67	97	199	94	0.002562721
2130	1189	1732	964	823	1484	0.136346085
2261	2116	2262	1962	1158	2059	0.167158662
6838	12224	9683	6050	3691	9030	0.403056626
3369	1349	3389	1258	1238	3581	0.070527238
14264	2415	8351	2044	2189	6871	0.672306861
2765	558	2266	544	551	1522	0.091161852
2793	505	2064	802	1046	1343	0.088871046
557	121	392	150	171	222	0.026631272
2368	423	1752	573	758	1327	0.142069054
61592	33886	35638	11227	6123	24555	5.002468235
20322	16971	16001	7516	3522	13043	0.996384404
5089	1652	4617	1423	1002	2745	0.145220901
9579	2382	8136	2127	1832	4930	0.405639075
26048	30133	60754	35812	77983	37220	0.580576925
17893	11983	16748	15385	10570	9432	0.602596406
15236	9847	13399	9169	5757	9152	0.597800498
12390	7065	11930	17243	11597	14378	0.739879859
5821	5151	7274	8122	5431	6695	0.491701784
81	67	108	205	216	93	0.002130882
30052	9475	17120	14360	8804	10371	2.731447759
21993	6652	13267	9848	5096	11456	1.661181729
167	183	164	212	98	151	0.00431628
180739	232489	141177	198883	63027	135527	6.391898731
1434	1607	1138	1071	1444	994	0.112020131
29078	13446	17044	10555	11806	12246	1.738931165
13030	5324	8959	6603	5412	7570	0.669250231
13260	7112	9944	9871	7270	7149	0.628671127
6099	3001	3958	3779	2256	2190	0.554246053
4871	5199	4102	3571	2122	2403	0.360083683

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14120	14597	12662	10593	11056	7692	0.665492716
11704	2487	6836	2727	5231	6393	0.454515278
6815	1539	4015	1569	2469	3189	0.177413432
69740	60750	67212	79800	111618	36729	3.137986167
18776	14747	8864	32388	44172	4254	0.865451923
36798	33613	12696	58355	46334	11291	3.165183041
4515	1206	3008	2076	2199	2255	0.25810972
1450	480	919	854	935	1133	0.080924751
5574	4014	3138	4494	2893	3825	0.24178269
5415	2362	3203	3339	2082	2671	0.211671434
64312	46827	40026	36888	24175	41429	3.009676469
571	1452	277	2728	2252	462	0.034906052
44022	5923	1910	7420	2319	2315	1.264561277
34081	5276	1534	5602	1561	1972	0.847929494
21672	7272	8347	3417	1616	5623	0.628494995
11679	31847	1571	47462	256441	1196	0.527725467
18429	51597	2407	83025	389355	2284	0.52380587
30060	88803	3961	137786	631376	3927	0.717445582
111795	262697	22991	446856	1979723	21007	3.865474137
24085	15862	22144	17301	11323	16720	1.899904637
13089	9218	11665	7961	6171	11891	0.567229016
35326	50842	31674	28643	32132	24797	1.706216275
4671	3224	5947	2644	3390	3855	0.643466881
8516	5162	9948	4291	4798	7592	0.778718794
2990	2070	4653	2231	2423	4082	0.291938429
4233	2139	5736	2103	2562	5382	0.253179749
4939	2475	6004	2703	2646	5605	0.365221711
2681	845	3292	1027	1820	2347	0.104422603
19304	5181	17826	9536	7005	14015	0.922518018
44242	13729	39942	16742	14753	32442	2.433204051
212827	117419	185873	101052	51557	156939	5.254621288
77450	39350	116289	31953	21930	67340	1.556845833
181735	358477	220330	150827	13361	208603	5.284076605
47045	99616	62253	38135	3393	55192	0.941230931
14287	14492	30809	8000	2822	15377	0.409666485
225953	146263	403994	177678	194447	280973	9.326634748
175980	141202	463569	168404	155793	303262	5.231416914
111927	54172	118435	71750	36714	111145	2.55240718
537436	160095	295337	158437	88127	391775	13.7869774
227813	109844	172594	84649	53763	263418	7.161752951
931956	632868	802182	408940	165490	1037621	20.6001738
634964	369376	491155	239066	133382	768920	20.13796508
5461	8449	4067	10260	3640	2798	0.437388399
11524	9614	5042	7445	4797	3942	3.816958828
133803	40675	29513	247574	196483	13474	7.685211737
3111	2461	2163	3080	2547	2611	0.708205631
5707	4322	2351	6034	2639	2774	1.347348958
18642	43392	11960	33327	7287	7045	2.082123088
149	346	128	297	67	57	0.009144929
1162	2575	1306	2118	790	984	0.151831449
5576	1142	4275	1143	988	3247	0.178017784
1361	483	919	530	327	1052	0.007816949
1160	437	782	567	391	729	0.03578677
8733	2378	6319	5598	1387	6116	0.333953991
3570	1146	2939	2158	454	2698	0.128712333

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85839	62751	85882	36296	11728	114735	1.345009615
142245	118263	37255	35435	10803	20711	1.848169468
4735	1863	3290	2233	1118	2544	0.412481557
13875	10118	12051	9562	5578	10324	0.667142062
14694	19055	4107	13145	10160	3905	0.643306462
6574	7381	1933	7496	5698	1875	0.304296122
5697	6222	2855	7143	7431	2187	0.134858199
6885	2923	2720	5890	1802	1507	0.330652077
16376	9744	6729	16957	4684	4070	1.030971667
18564	13253	7012	19241	4572	4231	1.354873085
700	512	388	1155	706	671	0.025576313
2892	7529	20745	28193	8496	6512	0.085579241
683	239	400	585	783	550	0.018220383
2212	691	1386	1600	1371	1228	0.060677907
871	378	563	804	833	706	0.023514107
450	181	388	288	344	442	0.012890771
30315	198316	7784	411159	14142	16626	0.213536243
24388	14327	12871	14983	9624	7799	1.005333366
4642	1438	3913	1578	924	2820	0.105778251
6498	1708	4567	1501	1159	4476	0.204938425
7745	2434	6338	2265	885	3737	0.227215322
17480	5486	15704	9730	4072	11497	0.443351267
1099	1259	1134	1280	705	1238	0.04719036
1033	1321	997	1331	642	1067	0.066904777
6589	4566	5678	5658	10378	3417	0.335116567
38031	15049	22093	15325	8473	16829	2.996565527
49303	23080	20545	17820	12081	23344	3.698300828
9556	2894	6005	4248	6310	6043	0.242175978
13305	2858	7846	5809	5311	6436	0.469824842
15199	3749	11726	7084	7656	9110	0.333244008
11278	11185	12106	21033	10296	9526	0.130178949
1412	6496	705	17456	31000	875	0.042995022
630	2210	333	11244	18443	347	0.021609437
49	32	39	149	146	92	0.001520423
1875	1766	6339	2435	1719	4125	0.286441805
362	339	1303	468	404	994	0.031477332
1034	799	2654	1128	829	2055	0.097206799
498	483	1787	643	532	1043	0.025861419
647	380	1423	493	462	1023	0.025830542
150	156	426	161	267	481	0.004272413
561	465	1093	454	401	1012	0.023662046
365	303	732	271	207	497	0.00639327
406	280	706	397	310	509	0.012396313
456	297	719	531	478	627	0.015935818
412	270	485	422	285	322	0.015915286
1527	1044	1626	1024	560	1027	0.109410789
486	306	597	368	154	316	0.02087727
1341	938	1622	1141	541	961	0.053661362
11216	5432	11384	11483	9542	8876	0.871318394
7877	4230	7922	8730	6891	5643	0.870290638
2528	1387	1428	1255	1905	1327	0.198898461
12870	8109	6142	6804	6505	5271	0.699881284
2261	1898	1544	1448	1739	1306	0.100218108
61931	111643	151701	20793	5511	282223	7.80737875
69	74	194	45	40	200	0.002772587

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6182	2469	5774	4194	1540	4918	0.22937606
27052	7369	24056	10221	6185	22324	1.044950645
269	169	598	315	305	606	0.009315758
5137	1412	3882	1257	796	3416	0.181644677
2229	1638	1388	1161	634	1553	0.154393414
3172	1916	2063	1740	1009	1991	0.274554442
4184	3174	2414	2252	1097	2234	0.430208364
36010	40243	47716	20446	29620	39062	2.12572093
9922	6088	5843	8456	12271	4685	0.436850665
642	912	458	3074	2295	1434	0.056946654
8116	47851	14335	47567	74533	14461	0.12068352
711	1604	1147	1762	1077	1671	0.024402529
251	369	400	657	430	541	0.010681249
234	508	323	963	1130	1689	0.00662919
3315	2664	2837	7052	5582	5153	0.144549888
553	366	441	1016	534	523	0.016197027
269	309	341	717	451	471	0.012950472
1820	1916	1658	4173	1941	2754	0.055027123
402	535	386	1153	428	566	0.009263652
1349	1648	1285	3491	1283	2759	0.070084332
5780	13382	4903	20066	17910	4835	0.225208541
3413	1719	4328	4809	1936	7500	0.272463616
766	480	1114	1090	684	1841	0.069637569
830	507	1902	1246	1059	1156	0.084388763
11789	8272	10741	11728	8180	5520	0.386605059
710	2257	335	2830	1229	662	0.025700264
4937	2786	2747	2316	2474	3138	0.083157803
15585	10514	8622	22517	17632	6297	1.58955144
15028	11225	13900	8135	5270	12066	0.472775696
8093	3892	4979	5134	4571	4304	0.63389366
6474	3726	4481	5699	3180	3659	0.340326047
3545	2105	2661	2578	1656	1944	0.191009533
9654	10996	10518	20669	9178	8246	0.233598192
13122	15662	21095	17021	18208	29416	0.975566937
16420	6532	8722	3868	2222	7688	0.607874994
47	24	24	48	54	41	0.000463289
3894	7959	3656	6112	1125	4314	0.415319272
2885	3022	2923	4478	1397	2354	0.347720786
5180	4845	3736	7066	1599	3514	0.388420929
2686	3380	3450	4616	1049	3179	0.088149098
849	517	779	1484	1050	929	1.237187015
1025	424	717	1160	766	697	1.42768021
520	249	403	517	410	568	0.199156435
10920	20087	9700	27947	42094	6919	0.182181769
32670	23093	79905	54415	26346	76408	0.226792201
3205	3241	5296	3323	3517	4574	0.032176331
1955	3558	4616	3491	2728	3880	0.031170151
1951	1945	995	4767	10733	872	0.17611432
3287	3393	2449	4189	3690	2454	0.156284715
865	1106	830	1050	1073	851	0.059836352
2737	2854	2369	3108	2427	1892	0.191978664
2466	2571	3747	3377	1992	2743	0.116827939
3747	6123	10752	8059	4644	5798	0.122306993
14759	11362	22224	8108	3230	22157	0.504339177
7979	7090	17981	4300	1837	14304	0.268087156

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32169	49329	41152	48689	6448	70956	0.209103761
2581	4575	1816	6036	4670	1513	0.116552568
2211	3217	2032	4080	4284	1680	0.056575822
2287	2161	994	782	474	1138	0.147632105
54922	27364	31172	18028	16788	37255	2.705595433
6739	6090	4916	3178	3031	5989	0.212755421
153	23	47	46	49	60	0.001223629
4624	4511	2565	4041	2894	2133	0.218381682
11290	9002	4706	7656	4785	4233	0.570585612
3689	2875	1418	1933	1783	1408	0.147465993
7020	4599	4340	5188	5220	4424	0.148958464
5506	2111	2493	3021	3754	3129	0.091489758
1419	1673	1210	1305	1079	2141	0.019834484
132	66	66	160	120	166	0.003422546
10566	4624	8206	4934	4237	7147	0.183366406
5369	2095	3573	2928	2889	3770	0.184570285
1254	304	769	768	786	671	0.031228974
1497	914	818	1477	742	611	0.054858348
7089	1505	1840	2653	1196	1343	0.431639021
14584	2732	8008	6600	2877	6239	1.253336681
8593	2778	9797	3673	2687	10041	0.308886107
8358	11803	7940	12927	9462	7383	0.251652068
9219	9916	6332	11559	9070	5122	0.186488127
29530	26943	60527	24389	2566	52233	0.260635494
834	1332	1430	971	823	1046	0.034449468
6528	3886	6028	2973	2861	5086	0.211226797
102	83	141	71	54	157	0.001357905
1871	2810	3560	2579	1076	3185	0.077247039
6134	6556	6981	7009	2318	7757	0.384764544
260	568	441	622	382	357	0.006481871
785	2654	1513	2830	1235	1558	0.008743504
414	448	675	514	427	661	0.026369079
2740	18497	3759	11231	2061	1821	0.030298869
1781	5970	3301	4431	1303	1903	0.008063798
1071	1198	1644	1265	454	1030	0.072182942
19241	8368	20743	6050	7362	23720	0.140775427
28301	7306	31976	6676	12022	34396	0.79479568
71432	7322	50075	18510	24959	47722	2.357824543
8244	1786	8492	2702	6436	4245	0.445358831
11032	10081	12362	9807	11678	7674	0.257510358
2951	537	1377	2101	1402	2513	0.226060791
2696	882	1402	2231	1305	1746	0.209904419
23769	592589	52796	89689	9692	70349	0.916218793
11947	303351	23535	45927	4818	40369	0.359826846
4721	212774	14684	35450	3415	32289	0.110161588
2162	185992	9746	47979	3795	22177	0.047815465
944	3649	2260	3086	3111	878	0.008170297
6951	28497	12619	14625	1708	6620	0.119991126
1334	5768	2625	2908	466	1607	0.013575742
3730	8199	6023	5525	985	2667	0.048100767
191	133	261	216	181	270	0.008504812
2402	868	1732	1337	987	2095	0.100793204
1887	1117	1867	1558	854	2106	0.092065628
1369	669	873	655	310	896	0.04041374
6086	3098	4669	2885	1273	4155	0.251883137

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10656	4099	8723	4076	1873	6907	0.703685192
137531	93809	158025	103726	275764	123292	5.267501765
19259	14869	19206	25226	23095	11440	0.564650307
20238	10851	26130	21802	21410	15213	0.757364825
2826	961	2057	3176	3551	1545	0.1556218
6229	2539	4545	5133	6535	3297	0.276562118
1010	2889	1368	3624	1093	828	0.150383622
2334	4380	2183	5092	1897	2195	0.07134631
88	242	140	300	97	121	0.001593003
735	1354	769	4652	2430	1175	0.045188783
29	50	68	135	107	94	0.000974301
54929	37729	34668	12951	2066	13609	2.27968983
6555	3719	5553	2513	1378	5586	0.129966497
22598	9175	16348	8223	4494	17934	0.352888421
11000	17447	21398	27259	7823	14618	0.432251296
143068	216731	185943	253055	55303	139800	4.493601082
74098	63406	114017	65293	40150	72305	2.015015612
72	72	106	140	131	120	0.003195629
9	20	8	27	16	13	0.000101389
460	292	813	787	400	429	0.059483601
378	289	431	648	384	309	0.021639342
641	282	540	930	389	357	0.032627507
1918	729	856	1649	659	682	0.100301578
2426	1576	4360	1223	1149	3408	0.113769059
4869	2537	6834	2055	2029	5367	0.178084248
402	523	725	438	343	878	0.006133729
4229	2992	5348	4133	3106	4651	0.213235429
2015	3091	2510	5525	1039	2157	0.073458044
14383	7631	12234	15284	17823	6771	1.143376835
5647	3164	5759	2313	1910	4863	0.27276734
1489	610	1729	607	577	1517	0.063625446
849	375	1204	491	489	925	0.013220613
15971	7586	23252	9310	8270	26171	0.356697832
3762	3398	3090	3162	1855	3331	0.125524034
951	1223	616	2302	3883	630	0.031731758
8124	4663	5962	5769	1950	5661	0.093490522
386	486	309	1089	619	695	0.009261646
234	290	210	760	413	423	0.006581293
4362	7239	4714	12326	2787	3658	5.521886937
64044	56452	35508	72438	106486	33809	2.590204517
284	214	167	389	350	113	0.003889846
16108	9402	11190	13890	9077	8735	0.675684979
93	83	52	191	76	50	0.003341385
905	1733	738	1966	859	826	0.018991556
2462	3322	1937	3729	2240	1979	0.132305786
663	628	587	648	734	669	0.0226404
13935	5689	13520	11189	24281	5179	0.898191272
0	2	0	0	0	0	0
19772	6253	16268	10867	30878	8269	1.195901561
40842	11371	38585	26500	52677	19424	1.461154593
12462	12397	12423	6947	4997	9961	0.59105084
8876	5349	6710	3023	2715	6681	0.374527483
3281	1960	2672	1068	913	2788	0.119533408
7876	3539	6830	3122	2782	5895	0.156806005
51952	33601	24259	97477	127699	14114	2.25293664

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27	48	23	40	39	39	0.000433882
12801	10911	7295	13111	16209	6378	0.778180872
5504	7755	4767	9751	9990	6188	0.348132119
13501	13530	9893	18948	26574	9047	0.476905705
32140	34073	7480	72258	245888	5453	1.440315464
2050	1589	2229	1687	1421	1816	0.188987985
28364	22647	30990	52201	70936	20174	0.488575048
175811	231769	289502	150995	227286	210378	1.174059913
282039	241162	307272	101919	208168	372313	7.824565129
139956	99130	95042	36684	69071	140717	3.955956348
203210	129780	123086	51756	84893	161490	5.920168956
207800	182683	141292	59965	113295	221041	6.345480877
169784	101739	88478	49092	56979	117673	5.309639993
7350	11596	3856	5794	1644	4350	0.451455565
9864	10526	6788	10157	9376	5931	0.193825374
26264	22636	11177	33452	24218	12755	0.410303345
62482	47900	31631	72833	53231	40604	0.899863225
10056	8146	6098	13476	9454	8900	0.132112952
646	596	2980	713	299	1147	0.025476131
491	370	2229	422	175	914	0.016792974
1179	1629	10930	1697	809	4852	0.038560171
18	55	36	117	145	58	0.000842728
265	506	286	1222	1046	540	0.017124017
2498	3110	2056	3595	1654	1932	0.050487244
15294	25077	46938	132877	179195	62705	0.439327328
460	2250	470	818	569	781	0.028991687
976	1602	600	759	594	825	0.033086763
107	343	579	319	146	464	0.002823115
128226	132192	144362	101909	63861	78170	0.521866915
589	811	461	847	401	472	0.021578773
1587	1248	781	1398	454	728	0.055378569
1416	1195	507	751	301	715	0.041765304
47	158	191	198	28	152	0.000645791
1692	1875	2032	3560	874	2935	0.041269631
186	1489	328	927	227	362	0.004515853
650	676	252	2856	1091	961	0.080709
1343	10100	2070	7985	1382	2043	0.055500929
200	6000	900	4638	305	655	0.044693795
1259	10029	5359	6567	391	5088	0.029128669
327	1292	305	1467	468	725	0.012897213
1406	1389	896	1995	1242	869	0.045114916
2595	3976	4139	7537	2027	1987	0.146464916
21282	5092	5443	26177	16966	2847	0.695224223
16961	4815	6587	4694	2323	3835	0.905558021
24064	10656	14451	6790	3351	9332	1.377189758
551	212	521	283	179	387	0.031636857
2282	1163	2114	1096	694	1813	0.098689457
242	108	156	113	87	116	0.008716953
1281	1213	1501	1461	713	1441	0.052673804
469	389	400	414	173	354	0.016776683
2560	54889	5795	20484	1361	2769	0.373789024
851	18752	2736	8785	350	848	0.141985388
1446	48264	6012	16490	875	2273	0.225162005
5753	16686	4461	55461	55657	41487	0.490928602
5111	3096	8781	5161	2095	8015	0.043301118

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51056	26750	44600	48490	28628	22170	1.37767902
55898	22035	41020	41712	25162	27139	1.454740534
25390	10165	23006	22627	12407	17116	0.585366966
19963	7032	16671	17451	9914	12871	0.615488683
36894	22437	45728	44667	21012	34791	1.109766875
16	17	23	70	27	33	0.000270009
143	483	129	378	124	137	0.002878973
1559	1749	697	3633	2374	844	0.08280917
2189	1660	1166	3987	2794	1611	0.145219793
144	70	93	308	212	175	0.007667581
4195	1665	3071	2199	4955	3100	0.127251497
1898	641	1399	1003	2438	2138	0.052978866
7159	2273	4622	2873	7094	4426	0.290508906
18224	26334	12520	17633	15282	10980	0.557160167
1932	1910	1609	931	1501	1093	0.060287943
287	1364	553	1164	764	638	0.003342988
5647	1252	3319	1007	1097	3956	0.102363643
4359	1040	2960	706	855	4125	0.097372552
14484	2448	8913	2388	2597	10276	0.709511557
87	124	396	266	95	241	0.002976853
1692	1998	6718	2883	794	3593	0.058545548
20394	16232	60109	24020	5742	35459	0.867323638
11648	6565	41210	11290	3939	26491	0.220989201
10716	4385	32027	7476	2251	17083	0.246595336
16516	9475	61429	14461	5420	35058	0.539001959
8785	13127	7219	21772	8097	6442	0.2342633
1243	1330	1865	1400	1375	1714	0.067245477
4682	9153	6387	5582	2658	4458	0.336439521
16359	12907	7820	32944	48977	6081	0.72328794
2367	1950	2049	4439	4877	1671	0.047481397
87702	26175	68487	21499	17707	52531	2.51621237
5562	1605	3225	2092	3475	2046	0.175326098
13526	42830	17460	20696	2948	15676	0.081573076
4212	15308	9129	7503	1454	6634	0.0743139
265	770	503	1077	618	585	0.01031393
20247	4839	10105	4641	1351	3836	0.362913782
3078	922	2285	727	298	948	0.009255494
25023	6572	15673	4925	2426	7535	0.192335893
13516	4674	8810	3171	2046	6725	0.078750232
9329	2737	5470	1959	1035	4166	0.062697694
14586	3829	7749	3053	1402	6300	0.171241632
25984	13016	17173	7576	3652	12560	0.185601983
323	278	554	171	139	369	0.009541238
18371	7954	14765	12699	5450	7044	0.400857459
2262	3030	6764	2997	3086	3124	0.08343099
9656	16336	5199	149270	51623	4477	0.756879196
4008	10888	6708	13885	6025	6802	2.152903473
11552	18039	13949	24445	9457	16858	4.240751191
127	137	136	206	60	243	0.006889039
681	469	615	1001	468	927	0.055477452
52688	1496	1900	3237	834	2490	0.214882687
64439	1585	3359	3865	1137	2837	0.232332054
64086	18579	15662	41414	17464	10304	3.094540498
3903	5935	3514	4527	3636	4594	0.035087938
6341	4322	4437	4108	3846	4409	0.066929689

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2543	1205	2498	1373	1596	1788	0.036024381
14539	9151	10599	11124	9096	12312	0.681523704
23866	10166	16247	16457	11307	22876	0.752456139
60203	36968	44762	53318	35584	25408	3.718718369
1349	1053	1324	804	942	1075	0.018374982
44594	15614	16742	26268	28941	11940	1.706909446
10796	4283	4706	9518	13850	3898	0.241561182
4488	6660	3404	8034	5992	2815	0.065477419
664	1326	603	2183	1458	890	0.016420046
89598	401941	10952	527942	2082484	9904	1.22671249
62	109	158	329	284	349	0.002969062
292	489	430	1231	1883	667	0.01035614
183	308	292	628	828	321	0.004339841
393	305	437	604	720	455	0.003917647
693	387	558	419	554	424	0.009080512
1858	1996	1880	1382	420	1333	0.039934294
44412	4501	22323	9446	11421	14093	0.543766298
43101	7764	22501	12270	12910	19792	1.258403528
501	810	378	388	209	648	0.013972833
237	2820	1066	1947	364	555	0.055901141
360	3526	2437	3032	534	1226	0.139420525
478	6535	4350	4449	477	1676	0.166182633
400	6464	4550	5095	445	1965	0.05624462
3123	41862	27399	37825	1859	13425	0.262370961
182	2131	543	2078	781	829	0.011467041
144	378	241	781	447	516	0.004885341
82	292	246	546	336	430	0.00627432
321	728	505	1056	660	714	0.010978711
503	862	578	1316	667	683	0.017311249
23085	11496	17002	12909	3459	13669	0.794594231
51949	222573	68506	129626	18342	79687	2.626645035
34207	83872	21957	180301	103126	15263	1.77937646
394	209	279	905	746	587	0.014343516
18183	3270	6483	6780	4868	4453	0.311010753
3462	3826	2638	8492	10209	2078	0.352244334
1883	2025	1924	4293	5511	1288	0.110294144
1526	933	1482	835	967	1068	0.087043883
2591	2470	1600	2799	1868	1497	0.166243632
7041	5801	3593	6217	3972	3263	0.404071776
10941	7742	5533	8030	4151	5709	0.70408975
3270	2439	2173	2902	2369	2854	0.135091084
13260	9321	8233	10241	7354	9861	0.414785942
25814	13340	15553	17021	9211	17288	1.60176909
64586	28523	44002	36725	38800	31185	1.564973016
9819	8206	7463	4526	1503	6460	0.185835259
1260	4523	2743	5087	1427	1152	0.120920223
817	1456	1153	1314	645	870	0.028367566
6391	10584	10257	6245	2450	5295	0.773069636
2832	2092	5024	2822	4154	2885	0.047016119
13910	10628	14970	13945	17297	10086	0.426141476
12827	14430	8756	7675	2431	8107	0.302411136
10781	6220	6060	4156	1067	3502	0.219468435
34092	31308	28311	15950	5576	21643	0.681005308
9671	5065	8146	7041	11050	5031	0.104752896
19386	10705	14716	11486	4697	15965	0.274421939

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7561	13024	8633	10711	2413	10615	0.127298055
8969	3997	5916	5870	4123	4803	0.521802034
549	4416	4980	45206	1489	9652	0.005167403
369	22105	6071	8753	276	874	0.162633194
8450	1587	2641	5208	5635	2091	0.566030633
5401	5280	7323	7384	14526	4640	0.048380612
5828	6712	9249	9333	14100	5005	0.052125567
33	117	220	78	305	298	0
21	48	30	135	109	88	0.001375415
162	674	589	1220	545	569	0.012387953
93	271	158	475	168	120	0.0085432
130	419	318	705	233	292	0.004934484
836	2864	598	692	131	571	0.001135261
901	623	1066	313	207	410	0.012871644
9897	3893	7135	1685	1505	4394	0.229060591
6675	12618	21238	7490	1984	17211	0.003396816
1703	1158	1793	3148	1789	2065	0.03769794
69	104	115	270	139	76	0.002260676
205	428	415	848	644	321	0.003311826
906	1450	665	3548	3314	1004	0.024062708
9034	2975	6983	4773	2439	7146	0.243800141
734	368	494	576	1482	466	0.018198458
8042	2584	4086	4473	10333	3852	0.159487584
16465	4376	10747	7345	15872	9595	0.335865821
10428	2418	5896	4200	7388	4971	0.316957594
26781	7600	12828	8746	9727	10709	0.602686617
366	1318	4363	3343	432	3437	0.009708127
2722	5662	30866	19652	2033	15484	0.085176173
2320	3600	35438	17572	2585	16880	0.059651991
3701	33652	5631	19864	7161	3799	0.25132521
1809	4590	1292	6245	8191	1130	0.013925797
754	6168	866	7241	1118	993	0.014840242
1	13	7	20	7	6	3.84407602718886e-05
85220	249372	182030	233055	32223	339531	0.571145772
1444	1603	1499	1649	447	1635	0.023722487
2189	8045	4661	9097	2850	3385	0.037549128
13435	34628	23682	40289	17921	17657	0.346361132
7097	3967	9662	5391	3356	10055	0.140406902
3010	3396	5548	1738	283	6774	0.033710565
47723	28735	35337	17612	4286	99905	0.859210474
85401	39768	65319	24619	8006	166207	1.719191281
409212	102507	233697	82045	25150	391233	11.72293732
100	114	138	308	152	129	0.001593083
14652	75536	21949	85454	10860	18187	0.33560158
6700	7838	3410	9019	5589	4135	0.835381178
2521	2310	1276	2160	1871	1067	0.53823951
5893	4210	3102	4218	4820	2987	1.058334887
1703	917	972	893	1317	805	0.251349734
1404	968	929	740	1100	653	0.105864698
3839	1815	1843	1930	1952	1390	0.392505982
8592	4932	5221	7389	4200	4519	0.708422471
5419	3231	2857	5794	2308	2735	0.290726889
5796	3212	2654	5675	2100	2725	0.272671065
5199	2884	2467	5280	1402	1910	0.203822763
18219	10472	7427	18061	4060	6255	0.498617762

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10891	8266	5412	14333	3265	5020	0.266815875
5072	2486	3682	3721	3464	18117	0.038641285
16180	7540	11155	11097	8105	45776	0.201145413
7884	3535	4525	5619	4840	24268	0.093352136
32	37	56	90	66	81	0.000149112
261	324	416	924	648	758	0.008311024
32277	16157	33583	19361	8201	28187	0.385324218
12854	5576	8008	4286	2810	6296	0.181429923
7680	3956	4317	5500	2620	8814	0.248904053
36791	13346	29831	12619	10747	23608	0.695918082
184016	60244	123848	57876	39252	85074	3.589580886
290	778	1077	778	529	675	0.002111071
10530	10292	8285	16083	17119	7406	0.158712651
8027	8114	8388	9486	12107	7198	0.165053569
13866	11733	11107	13788	9223	7270	0.255209648
43793	23833	21544	35283	55369	18812	1.037954447
4166	2183	1972	3546	8394	1899	0.062793375
779	611	426	928	1611	498	0.00997915
19187	7233	8087	7996	7035	4962	0.579351414
42349	32366	12884	62380	49094	10650	0.72234724
277395	57443	147192	64418	97640	99555	4.285002433
272911	63827	135294	67290	87828	101772	4.311354223
421114	99853	207583	105349	124026	173283	7.592705391
298524	72719	164556	94497	92376	197238	7.123495304
3609	1469	3113	2017	1035	2805	0.094971575
7669	5444	8204	4704	2111	7945	0.267480246
8027	4654	7630	4065	1417	7318	0.249964819
4744	2296	5027	2345	647	5552	0.19427406
5700	4093	7136	3427	858	9320	0.168869887
6255	6507	10229	4675	1405	13829	0.183613976
56983	51186	59289	73510	37850	64994	1.384662661
4261	15021	4032	13199	11977	3679	0.20981262
699	496	381	1291	757	656	0.018357773
1842	653	909	1365	1555	1005	0.053761511
10600	11275	11135	11674	5037	20254	0.605729315
325	551	1279	437	385	1027	0.007494392
139095	17910	97959	30728	21607	60786	1.057627986
1238	915	941	1054	612	623	0.017737458
9046	4523	4319	6033	2651	2775	0.110346455
2446	6661	2243	3257	1314	2352	0.12199604
8411	4317	7498	4333	3266	5831	0.285720731
44610	23294	36648	15452	3447	15494	1.512234103
14685	5308	23839	4159	2842	18258	0.175522722
14573	14782	20338	8487	3083	20730	0.187390582
24533	19166	24633	10666	3774	29114	0.61370958
164	121	197	92	128	476	0.000679917
9725	10978	6175	20553	12031	8900	0.338502937
1888	2927	1707	4386	2569	1596	0.053104888
5301	5025	4164	5434	2814	3699	0.118390321
1228	741	953	739	973	930	0.01359629
376	329	431	262	254	434	0.003781267
6857	3381	4242	3000	4195	3789	0.156366742
3917	2034	2745	2325	2367	2713	0.098173707
1522	707	1336	1495	922	1510	0.030503743
113522	51396	145881	151460	38863	102342	1.086244727

Sheet1

29873	10725	28358	27905	6971	17823	0.550635723
633	1478	748	3237	1839	1592	0.017141853
3820	834	2196	2512	1705	2040	0.058701459
153	105	228	344	215	211	0.009456478
339	264	534	607	408	477	0.016699896
228	157	260	440	259	335	0.008095517
102	83	115	269	164	218	0.004980827
38	23	41	34	39	58	0.000777011
125	83	303	344	247	299	0.002611601
118	73	182	126	112	125	0.001270095
4	4	4	28	38	31	0
9393	4973	6528	3702	1574	4748	0.257342248
13075	2830	3489	3723	1184	2655	0.275925215
31448	10465	10491	11607	3512	10926	0.545713491
2628	730	1596	1041	871	1400	0.105057345
2152	1638	2505	1410	1352	2255	0.06583643
2230	1742	2666	2873	5601	1590	0.060407473
10989	4546	7957	8756	20761	6526	0.348646647
22692	10325	23097	17596	45089	22872	0.653442984
12055	7830	8318	30735	33304	7622	0.152523393
74	54	41	158	127	82	0.002197517
6144	6703	3660	14214	10259	3558	0.133141797
7397	9106	4842	4092	2667	3914	0.772787836
33597	44324	21797	18909	10405	25794	2.212662205
7805	11838	7271	5294	2989	11941	0.204978747
5073	11979	3683	19860	9879	3925	0.158429829
4253	7745	3596	13227	6076	2916	0.099993964
3346	6109	4154	10929	5704	3114	0.068986711
10	20	36	50	57	45	0.000346223
16060	232424	17137	27673	6341	21173	0.031525546
4	5	5	5	3	2	6.91844335760414e-05
476	35076	516	2034	338	822	0.011999456
1457	5872	2105	4606	1631	2746	0.032988176
3086	142803	4986	10912	1402	9178	0.012115912
1943	153762	5076	11686	1054	8050	0.010488629
95	1455	136	174	81	210	0.002172273
1799	1085	2017	818	309	1475	0.023336023
2315	2134	3664	1370	810	3483	0.057863168
4868	25155	16290	11985	1082	133636	0.33791077
87	117	136	71	45	59	0.001134221
163	259	257	164	105	160	0.004811038
183	1586	159	809	283	403	0.00652225
145	1049	146	577	253	259	0.004733561
209	1841	286	1038	466	534	0.006649379
295	504	414	809	459	702	0.092693733
334	546	588	872	509	904	0.048323785
1240	2046	1618	4085	1414	2250	0.06675342
2376	3533	3279	1416	777	3537	0.04515154
7730	1834	2078	857	758	1966	0.031464002
990	716	1787	514	286	1120	0.029713527
88	177	68414	435	187	77173	0.00367658
62	72	22123	177	104	21593	0.001361457
2693	2957	4319	5422	4624	3814	0.094686199
2762	3422	3830	5358	5389	3207	0.154909378
2322	3201	1203	7853	10331	1170	0.038058233

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14928	15538	5056	37389	42394	4692	0.347991895
17634	20893	41628	11593	7836	26366	0.507297406
36692	30159	65243	17980	12689	50947	1.300793117
4960	6989	10751	2446	1592	7371	0.079881888
48712	15807	66863	12760	9724	48930	0.912525463
7139	832	12763	1435	1635	9780	0.076522326
17534	2457	33371	3666	3189	26595	0.262102295
19970	4045	38382	6435	4470	26709	0.384608205
60697	47671	79912	36111	15036	55122	1.147760365
137817	92367	164266	82454	37432	107053	4.661432533
2419	4511	3135	7301	2003	2128	0.101387889
20383	37643	23547	37133	21094	19154	0.283037207
16687	31530	22006	24789	16186	15878	0.235845417
2777	7876	3380	4997	1817	2894	0.036307522
10718	17162	14391	29574	11089	12555	0.214454263
71837	111565	71693	109107	45789	63919	2.125423168
69375	462011	47333	207976	7550	42357	0.919630585
3553	9585	1944	7950	5353	1826	0.086692856
16226	5017	9081	4533	1988	7930	0.176612358
16974	9979	16316	5977	2865	16324	0.172405572
1209	695	849	1561	817	2282	0.016397997
687	591	657	3169	1008	1390	0.008536561
1123	722	928	4647	1041	2169	0.016262684
1481	1105	1693	7375	1690	4884	0.025526109
508	411	680	2576	576	1989	0.010001679
3625	4596	5093	21062	3592	19154	0.065752181
1407	1650	1614	8051	1110	5018	0.023958809
810	1015	1203	4754	592	2444	0.019855867
900	1566	1945	2343	617	1674	0.005243194
3470	3005	3934	4073	2406	5114	0.142350453
15719	11767	7067	13934	26765	5526	0.392591862
37490	31104	27827	26242	7325	23684	0.644146397
1576	2538	2746	1470	544	1430	0.020538508
5148	4522	2842	5419	6767	2417	0.213890741
20591	9551	14120	12014	19650	11884	0.493191044
1210	2260	17382	3393	1559	4906	0.034278413
509	793	761	1174	1119	1339	0.010953054
5770	4126	5908	4989	2678	5658	0.079596681
22130	14697	19908	13517	6501	18332	0.55479497
24479	14182	22940	11310	6122	25052	0.44334623
25144	11490	24948	10116	5584	29221	0.395873817
27741	7760	24137	8106	4106	20491	0.355110739
52990	16537	57156	15442	10663	56663	0.641606298
7470	3293	4921	3802	3773	4173	0.187480596
5562	4126	3125	2852	1806	2419	0.118707423
5124	4146	3097	2556	1872	2599	0.161224697
8222	36419	32827	18792	2845	20684	0.055984
15142	5678	11007	11426	6224	11057	0.38901662
52019	14753	58557	32877	21176	40294	1.005338248
4317	3373	3558	5762	7224	3586	0.162224019
13320	2303	4943	2541	5167	5513	0.11756129
51747	6606	16366	6668	13604	17973	0.478123897
51189	6861	20995	7500	11933	20528	0.651343394
43221	6467	20740	6900	9528	20666	0.442452287
110	11	74	30	23	59	6.43630688046819e-05

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15114	14813	28786	6907	3806	23904	0.060745285
4112	1475	3650	1803	1776	2299	0.082177359
24395	4422	18024	6693	7514	13292	0.455235167
5923	1161	5961	1922	1546	4391	0.073277584
10463	6745	5893	10547	16600	7000	0.094060064
27873	22335	22524	28170	19730	17588	0.562275768
5249	7203	11707	5393	1879	6663	0.036226859
7862	1494	7580	3485	837	3915	0.092492709
20351	2633	17044	9107	1909	8914	0.322641623
30811	25805	49394	27840	8861	30589	0.130862585
2460	3043	3325	3912	2096	3738	0.063569015
11156	4123	6630	3667	1411	5657	0.203558979
11692	4419	7788	3993	1520	6644	0.269522193
32512	17919	27358	22084	14768	21363	2.207123855
18967	9656	12633	11893	7951	14251	1.483221531
616	925	901	1670	1592	1525	0.011177556
869	1266	818	1828	1266	1188	0.01119705
350	495	525	848	478	940	0.003602616
50344	31483	60708	42353	18251	46602	0.816323127
30032	18961	48773	23104	9879	37167	0.41582876
6798	5873	12718	7604	5649	9442	0.175554709
11397	5815	12385	8120	6234	9485	0.484935896
31099	15553	41332	21323	16790	30815	1.027689862
27590	17339	44003	20974	16994	41054	1.228909643
213	125	327	163	194	387	0.003421333
22738	34663	8130	24443	6782	7378	0.247577629
113239	164749	66968	120811	43185	44261	2.134882113
13482	1657	9537	3304	3900	6849	0.15079742
25626	2289	12765	4631	6082	9471	0.387107698
9146	3541	7836	3269	2375	6925	0.055404101
12948	3538	9184	2899	2715	8744	0.044743732
24289	12195	16111	17536	9631	9817	0.286966242
48677	20679	32085	27856	17626	24982	0.768071219
30407	22794	29735	32884	27217	32081	0.581521228
17276	2346	11335	6663	14261	8035	0.28787751
43537	6203	25294	14280	34352	23016	1.082520656
6310	998	3900	2249	5161	3653	0.112218087
13191	1644	7624	3985	8480	6494	0.187951584
70319	15631	59924	28607	56949	72540	1.412521087
9120	4249	8187	7095	6263	7746	0.179222363
9498	3634	5123	3771	4095	4053	0.190544766
4903	4650	3404	5850	7653	2778	0.106854396
29502	36794	52098	20413	14688	40108	0.27266301
152183	64525	72237	67496	21980	60004	1.327471788
49994	21764	39874	25171	58524	31360	1.485173459
45854	10152	28098	13958	24702	27510	0.697423402
3437	993	3161	1378	3712	3190	0.026534645
6735	630	4236	1327	3479	3983	0.032872637
11568	879	6498	1559	3554	5997	0.077263515
6833	555	4941	1356	2337	4172	0.046661218
23432	6615	18050	8152	7323	12519	0.332881436
8805	3470	8898	3739	3103	5548	0.122491375
8805	3136	7872	3538	3206	6365	0.102660305
3397	2820	2688	6980	6726	2171	0.122626137
152460	116040	102993	191018	143477	29613	4.398134829

Sheet1

144230	253299	128551	221833	160809	103610	2.547553285
438	523	1677	2302	3292	1356	0.007929943
8201	7756	8833	4461	1873	7027	0.127263896
24557	24017	24895	57597	3843	28599	0.816654394
5037	7416	9212	14532	1179	15478	0.112891173
477	637	656	704	168	579	0.010083411
15529	18355	15661	14891	4808	14572	0.368130222
3883	4995	5474	4228	1647	5691	0.080260713
6322	8297	6797	5840	1715	6906	0.16205514
18280	7165	23815	9605	7159	17945	0.359394108
24056	6519	32352	8659	7847	20972	0.34953438
3933	1033	4279	1255	1106	3456	0.057397531
4878	2412	3276	2623	871	5370	2.053703423
15366	5332	6933	7761	4226	8835	1.670842283
63508	65123	82507	117657	98340	65279	2.107448901
1711	1690	1420	1450	1595	1326	0.046828532
1874	4746	2323	2350	1845	3108	0.039701823
299	1036	586	374	261	484	0.004696261
6511	9591	6837	14643	8121	4957	0.452231452
12462	6481	8830	9815	5416	7859	0.255031074
11933	7205	11148	9456	5486	9171	0.191706241
4571	22283	12097	9357	1501	5210	0.329372247
62851	138684	91935	43315	7056	41848	2.152461168
210	698	441	490	161	287	0.003721145
34	93	97	169	123	115	0.000505705
127	156	256	108	105	209	0.000327089
66	96	202	68	29	107	0.000950914
114	217	359	260	192	306	0.001900894
8	19	32	31	35	15	0.000237494
29	84	35	102	45	31	0.000326521
33	97	44	132	51	41	0.000741944
72	48	112	200	190	231	0.001394152
177	52	297	106	117	304	0.002016475
2	2	3	12	6	12	5.93006504733645e-05
3	0	0	0	3	2	0
33	8	34	17	19	21	8.89235123285077e-05
36	183	124	94	24	45	0.000385294
768	1366	1551	592	597	1254	0.010811659
148	245	238	64	128	203	0.002458139
194	497	494	192	272	454	0.002516585
64	168	214	111	149	262	0.000444033
364	1145	611	2765	1135	856	0.015432943
9334	4429	6761	5386	3147	4124	0.458175041
209	640	405	8627	174	546	0.006871716
208	777	430	7859	142	456	0.005836232
2139	2512	2485	11114	1221	2072	0.041436532
5161	4558	4980	23752	2047	3881	0.104116047
318	268	573	176	191	662	0.002236621
6586	1692	7449	2370	1181	4760	0.067356973
6056	7923	8015	6810	3628	3023	0.202175651
840	481	827	422	502	793	0.018179513
159	4118	606	2914	619	635	0.021532462
1443	55398	8324	39794	2913	2710	0.306231623
514	22703	3678	14275	1463	1842	0.068127479
621	23519	3776	12197	1368	1381	0.046984792

Sheet1

8638	18541	6475	10502	4503	3640	0.147319766
230	415	502	455	354	260	0.005873606
16	21	41	28	33	14	0.000409081
8606	19915	9247	8716	3180	6295	0.17667656
31023	124098	50636	234844	98584	32635	2.26713649
5729	19021	32648	28071	24044	20579	0.125499276
685	1598	2190	3030	3743	1215	0.010250905
8105	4566	6177	5159	5158	6794	0.405364899
68	537	53	960	1223	80	0.000610967
22594	20055	17967	13842	10599	16479	1.290983015
36219	43328	27315	48614	68149	11561	0.733962327
1071	8923	1209	11806	5832	349	0.010396623
3043	7963	2833	10596	5695	1726	0.045406542
77354	100755	69394	102857	87471	43801	1.769209365
42189	19181	47058	12426	15580	31033	0.286800188
17	15	15	30	26	20	5.7941434425135e-05
4449	2297	4858	4238	5772	4437	0.044595346
4985	1742	4130	2956	4893	2458	0.10368466
17844	6361	18017	10387	15485	12942	0.371765133
12723	5421	30354	6103	5601	24368	0.038922696
15688	11723	13020	24421	11023	13409	1.027526422
9698	5980	10043	8607	6412	9828	0.190929622
2232	1100	2605	1613	1024	1968	0.047218658
3093	2962	3333	1906	901	3334	0.031464691
54381	13244	42463	14352	12360	38443	0.868148158
40850	9987	42043	10644	9052	42002	0.47229696
42	18	35	22	27	26	8.57273195063024e-05
34402	15090	28796	15729	5145	18450	0.206595033
1552	2264	1255	3389	4150	974	0.043939211
387	161	144	200	281	124	0.016279395
4095	3737	4743	6266	6111	3450	0.080125508
7054	21383	21721	21581	5530	16763	0.211035112
1452	3522	2619	6459	2470	1714	0.110345273
7775	9925	8434	11501	4169	8575	0.170157731
354	411	354	578	361	240	0.002468417
5569	47547	5376	80944	168075	2416	0.167019482
1855	7466	2416	6824	4755	2539	0.044823309
8984	28736	8468	48418	139082	4553	0.269486417
430	567	776	1206	1748	826	0.063700677
221	181	418	483	474	350	0.008527429
234	256	526	653	787	422	0.009310928
82	108	283	359	250	269	0.00281981
140	190	528	569	564	423	0.00904724
364	436	988	1417	1001	947	0.016416521
267	554	584	1065	548	464	0.006585528
28030	6220	10053	13257	27647	8924	0.406462877
27041	6472	12065	11904	24748	10165	0.395426062
2562	1151	1754	1398	1060	2462	0.052203692
2407	3441	4082	4882	3464	3377	0.094944664
952	1219	1846	1640	577	2013	0.010340438
427	610	1279	965	542	1673	0.007813854
330	574	965	985	433	1124	0.006549511
382	637	1221	1140	456	1069	0.005286081
3	10	16	19	16	14	8.38835091024579e-05
166	866	387	760	541	448	0.00123002

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4343	2500	3884	2804	3859	3247	0.052950009
705	1025	9679	1586	803	9011	0.081400785
343	567	5957	911	476	9187	0.045078859
218	247	3817	537	318	6414	0.032649435
189	263	3772	618	494	7253	0.029341736
9	26	278	38	37	443	0.003451536
1330	1442	23255	1833	2301	23995	0.261089351
23980	8493	16438	9678	9991	14795	0.262750199
101400	23390	48329	20489	7927	44308	1.909076001
306	18074	4295	11732	528	1311	0.066691275
346	31622	5388	15158	541	1865	0.107928341
385	25945	4267	12326	545	1992	0.058740438
410	17725	3838	11026	289	1546	0.065011025
314	12722	3296	7490	447	1403	0.025553468
720	4678	2859	3015	439	1158	0.020864653
1032	4825	3274	3313	603	1680	0.035683812
4803	12845	10637	13068	2650	4611	0.14114189
269	535	332	430	396	217	0.001073963
41626	16900	81852	17699	9707	42473	0.074164171
10512	8471	11812	28176	30028	2257	0.547006997
3302	5261	4844	10129	20998	2800	0.121047387
3064	4245	3420	9476	13651	1866	0.094591544
7883	9867	6335	20401	26214	4578	0.433425578
36	111	46	170	74	80	0.000109841
1717	2539	3957	2393	1745	3094	0.007404979
3791	7247	3840	8562	4582	2907	0.098496888
2025	3351	1572	4403	2645	1350	0.057661821
1400	2480	2733	2456	7956	2594	0.029219443
9151	10601	14290	12859	32286	10438	0.409256743
7915	13149	10792	18749	9457	16891	1.019045522
6538	8024	8197	10090	8718	14479	1.886463
7815	6091	7449	8539	1807	6572	0.306012506
1064	2197	2211	2053	627	2260	0.062729014
7	21	17	32	15	21	0
24	112	91	111	54	44	0.00062535
3175	7926	5721	5453	1972	4708	0.074648556
10907	16962	12549	13165	3524	8206	0.326649759
6040	8019	4715	7965	2181	3274	0.199443599
11798	5603	8186	5121	3547	7176	0.233781035
15377	11003	4429	14256	4519	3325	0.333508179
7685	8268	4410	9670	4129	3127	0.201499888
10602	8903	4108	10454	5098	3283	0.683373804
19432	17603	9504	20467	11341	6792	1.190335632
11126	3423	6033	2875	2339	4704	0.485783246
3256	1168	2232	1238	994	1834	0.122409269
4180	1180	2797	1463	1782	2380	0.049576254
5041	3057	3086	3645	2828	3579	0.120339374
14484	7662	8795	11765	7592	8226	0.282159516
3635	2187	2002	3388	2679	2144	0.043370979
1220	963	1202	1755	1279	965	0.013537649
1711	4970	2907	4798	1409	3279	0.021667275
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243	58	271	210	203	253	0.002127541
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Sheet1

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29741	17141	33494	29912	15422	20869	0.516313957
3746	2280	3574	4210	2638	3334	0.144468456
966	923	1328	1647	1098	1134	0.02366352
11473	18483	22047	20508	5801	22398	0.091761047
77577	131031	117490	149485	37111	148861	0.796708304
2698	2577	1042	3991	5749	829	0.04242556
3559	5150	1426	7192	10007	1244	0.075087637
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31478	4708	15417	7815	5390	12111	0.917825052
9310	2647	7443	3587	6983	5682	0.095686986
10558	2679	6694	4273	9930	4794	0.147028785
8745	2232	5620	3238	7367	4279	0.210506028
5865	2455	4454	3261	7892	3452	0.162217644
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68121	75035	48936	98700	97248	36852	0.780408017
11940	9476	9454	10570	8187	6936	0.051915598
2309	2667	2439	2866	1700	1874	0.02893956
14243	13120	13499	12303	8633	13068	0.193012477
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10867	2982	9941	6929	13892	6904	0.115180342
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59238	38011	46877	69867	108887	37599	3.409911
5230	4102	4374	5410	9920	5424	0.195352905
1616	1329	1711	1597	3738	1846	0.031067432
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8049	4025	2877	6688	18043	3143	0.048652258
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2426	2096	5221	3113	2404	2827	0.025836421
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2794	2411	9498	3250	2155	4686	0.05989838
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12090	11518	17219	3626	2512	13853	0.218965726
11938	4422	9034	4906	4216	7463	0.191738758
10468	2717	4600	4071	2288	4003	0.186829785
3908	2026	2976	2727	2153	3708	0.065252892
290	468	266	963	509	467	0.006082983
4965	5225	7639	12509	8766	5840	0.087158407
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3965	2405	3611	2527	1238	3058	0.083286977
10016	3722	7639	8135	4998	9238	0.32703101
502	324	536	375	290	513	0.005191319
671	593	842	1028	743	918	0.01388522
1521	9864	2540	5977	2652	2880	0.069114662
3133	1693	4478	1472	763	3339	0.030483408
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1687	1911	1993	6572	2546	1476	0.013592649
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63	184	143	236	53	162	0.000386843
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8897	5261	6769	5979	5792	5512	0.155301835
8723	3901	5459	6118	5729	3779	0.245975262
26768	4305	17419	7021	13062	23539	0.378778485
15951	2264	9203	3439	6209	12353	0.199453794
23788	3619	13051	4788	11588	15597	0.369710542
15686	3035	9530	3752	9825	9715	0.237560964
15992	4058	13493	3803	13170	9787	0.252667864
3602	1217	4003	1199	3713	2383	0.040119399
64764	10823	45261	9315	11866	25133	0.746681014
1281	356	1404	297	386	780	0.009773817
18718	4815	13810	4180	4717	10153	0.155694562
3540	1936	3265	1430	1062	3131	0.034973496
17512	5941	13542	6019	5420	12691	0.168488805
51296	10546	33018	11674	8172	25099	1.18115625
20189	6034	14886	5360	4918	16173	0.403692587
147816	30686	46974	27200	12270	38805	3.122428972
13866	6047	7378	9152	7317	6223	0.367476596
2387	1799	2738	3606	2186	1444	0.056831691
305	379	414	529	396	238	0.003848773
9801	9599	8955	10795	4963	7078	0.432629861
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8287	11509	7927	10774	10092	9115	0.159470832
6875	10032	5786	8272	8927	5735	0.236485704
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113	102	160	259	187	323	0.001259665
226	252	288	716	547	812	0.00458386
5143	2074	5871	2529	1648	4188	0.09427273
1038	453	1264	591	362	734	0.014003852
23386	8047	18836	8243	6993	12325	0.753548481
728	224	568	241	244	368	0.014941916
8912	3966	9441	3547	3349	9568	0.153214636
3180	1515	3278	979	917	4763	0.121727916
2517	1475	6568	1391	2261	2880	0.01053834
23231	6649	18473	9390	10577	15681	0.356218815
72447	48140	31131	100272	65130	28372	1.02968342
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3364	4507	5860	4417	3551	3878	0.025385694
3603	2546	5357	3336	3437	3513	0.024947484
27529	18770	19249	13164	5862	16932	0.228816501
60261	50926	45570	43631	21945	40480	0.971884875
7044	6257	8564	8724	13546	5327	0.085951581
3596	2256	3644	4509	7541	2227	0.04293369
27426	17018	37240	27998	51281	23702	0.353219271
31130	16764	29001	38669	87707	21448	0.3845947
7181	2636	7431	4258	4467	6562	0.20361158
6360	2225	6623	4162	4436	4453	0.287111315
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13571	3655	10733	6002	9199	7974	0.360957011
3921	1076	2732	1791	2200	2132	0.094921266
2447	963	2230	1355	2465	2708	0.063399275
4226	2567	7192	3228	4537	6085	0.04445289
8257	5104	11059	5980	7384	11311	0.205553474
29309	15115	25191	17553	28824	19004	0.258537903
40030	25296	30505	25997	33888	32160	0.313579728
55394	18058	22661	21867	28453	21570	0.52310238
3422	9806	9734	2862	2495	6179	0.008354356
35824	26862	24675	25535	52557	18679	0.583432666
9152	6201	7238	8264	25357	6737	0.124730275
28328	42639	13840	55313	121415	10427	0.225536921
44384	73668	17957	92924	216367	13199	0.317945193
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31721	150442	7943	192237	474707	7497	0.145942006
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24746	6370	24581	5608	5215	14980	0.413509963
20535	5229	22746	4573	4349	16234	0.242019911
4722	1103	5697	933	977	3158	0.030316137
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17367	3455	14102	3929	2821	10606	0.17537009
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3845	1966	3470	2259	2742	3163	0.02051544
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38629	36815	27830	62048	20231	26813	1.237462269
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40245	15032	30127	43684	17150	24854	0.728275947
17665	4787	16985	7353	17043	12874	0.14596234
1957	1109	2433	1671	3196	1944	0.017854473
25414	42695	33932	50581	83333	25898	0.736658567
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2914	2151	1898	19889	25335	1623	0.075047943
2889	3267	1873	15486	5917	6592	0.112953332
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16237	14616	13491	12349	26752	9637	0.12355253
265	315	166	374	1351	198	0.002939344
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3416	4417	2893	5678	1315	3937	0.073478277
19149	17506	14913	21834	7453	15044	0.489507912
8253	2196	7198	2104	1515	7140	0.115495948
14271	3442	17770	4568	3613	16253	0.160220314
48329	33390	65475	26808	11754	62781	0.312198
1319	770	2091	575	891	669	0.003296325
84783	13549	59198	19587	41146	25828	0.349053724
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21663	8061	14562	7188	7057	15396	0.179489862
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43738	57479	70140	33072	45277	114385	0.287306649
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3163	691	2335	1152	1032	1928	0.034915886
17053	7753	14773	8480	8793	10693	0.212364026
10553	7070	9769	6709	5492	7290	0.062966671
68963	96541	92800	67271	48236	72118	1.039660482
9786	3362	6461	3961	4718	5504	0.073023515
77203	45558	60754	68233	85530	36450	1.056601808
207633	74361	110718	68980	96662	75392	2.12672498
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18094	6187	13062	11031	3064	7202	0.377426921
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84006	34377	69870	65015	14374	41349	0.740890442
83363	45451	75256	87109	16146	43871	0.306568226
6697	4751	8471	3981	1742	5978	0.065767423
72682	14255	33172	22821	6601	27619	1.458888414
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17709	13664	10417	8278	3069	12619	0.509081329
18726	11025	12446	9359	3123	10637	0.386925997
5995	4910	5864	3734	1109	3137	0.227444729
4997	2451	1495	4630	1948	2485	4.798848668
16064	9660	9138	8921	10576	6856	0.323115228
10248	6916	5810	6067	6828	4950	0.162599649
22476	14913	11896	14172	16920	10659	0.528127043
984	1894	1083	1584	1516	1301	0.016365963
7701	2864	21938	2642	4422	19626	0.200021335
7845	6816	32530	3757	5067	19276	0.170224436
6042	3980	4205	10625	17542	3492	0.444015527
3651	3317	2354	8242	14909	1937	0.377697556
20535	15429	22935	9228	4114	17212	0.174160413
241	439	408	1306	790	890	0.004471265
93450	29870	80212	25520	17237	51561	1.268318249
82221	36539	80082	25759	20896	35033	1.032100167
18360	17588	19680	13766	6425	16038	0.273226332
9835	9440	9713	6568	2957	8081	0.134511027
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Sheet1

24402	8972	15315	12071	16940	16767	0.379604846
7808	2942	4118	3624	5791	4333	0.145012967
18534	8519	7473	10709	16359	9136	0.309838881
28466	13447	10815	9501	1839	23658	0.734418793
4395	3926	5313	3955	1819	6881	0.124086385
13552	6564	6753	13582	3173	6062	0.330252244
6	22	20	29	13	25	0.000258031
2043	2235	2248	1691	1078	7354	0.290054586
2223	39469	14631	21201	6418	10161	0.207423991
92919	49858	64390	27703	35024	48038	0.850289636
19210	4679	13494	9032	27334	10312	0.139263588
12650	8042	8467	17322	24188	8120	0.192772515
11986	6147	16203	4148	2447	15893	0.113878206
16008	6781	19539	5054	3437	17714	0.149406574
14518	3750	16665	4561	3272	11801	0.153972718
16	17	7	33	48	36	0.000256757
28824	26034	32285	19064	9362	27007	0.587672444
2877	2311	1964	4603	1177	1410	0.051943575
60916	18330	70776	36535	14726	60197	0.183497161
726	1283	872	2082	1174	1232	0.025613939
1052	908	956	3411	8594	1120	0.028892307
632	12377	3391	16097	822	1031	0.075738734
697	8918	4191	8990	948	1434	0.058818521
58	185	65	302	184	165	0.002407016
2353	19495	4089	12618	1166	2714	0.087662648
16469	5091	16425	5404	2094	16091	0.197158598
14038	3414	11701	3758	1125	8606	0.222224166
9565	4397	5974	6247	8364	5482	0.178281977
15737	1505	15656	2293	1967	5784	0.101605265
2173	1480	2534	1793	2008	2344	0.024539523
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1939	3650	2520	6427	3596	3894	0.036632041
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10306	3180	13221	6715	5202	10034	0.583180186
2140	2381	2192	2920	3372	2655	0.236806025
188	1518	915	975	675	1004	0.021853914
357	1803	1646	1434	1199	1424	0.037516756
22534	20672	9771	43588	49034	6490	1.314298646
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8847	51295	11870	19334	1692	5958	0.140881265
37	24	29	119	83	75	0.000336979
22353	7493	18667	26904	16446	22388	0.516650829
17503	4821	14205	14375	11206	13224	0.322019669
32940	8386	31801	11606	14992	26363	0.460969334
76018	12957	57454	16900	23357	47555	0.884005313
9349	1244	5100	1403	2627	4593	0.118724933
3709	603	2466	871	2062	3000	0.021981293
4461	1450	2550	3220	5174	2883	0.082604479
14732	5018	8812	9281	22670	10287	0.29168241
1033	1037	1102	1348	1473	579	0.006991101
2762	2841	3153	3980	3510	1829	0.12652425
22133	19542	19859	14259	6716	10928	0.224581564
86992	45866	58130	53343	16752	28126	1.306092095
5296	3041	4732	1773	1040	3625	0.078804528
16037	8138	14480	9555	4850	9137	0.396254619

Sheet1

4369	2456	5186	3875	1891	4269	0.053144599
6609	4618	9530	4637	1839	8040	0.085718404
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6749	2120	5729	2775	1659	4243	0.092817878
5548	5036	7014	10537	5976	9552	0.095724988
3752	616	2149	843	475	1395	0.061549028
27572	3495	12734	5558	3640	10768	0.338275945
10717	4514	9299	6567	5772	8736	0.099202251
9061	15285	6298	16492	6270	5545	0.070799051
1458	3129	1554	3286	1362	1469	0.007868696
3916	6019	5815	6515	4449	6233	0.02731565
427	796	830	1826	741	641	0.004539169
5447	4810	5067	7422	5198	4457	0.141055328
118	65	42	142	43	66	0.000350501
543	528	461	823	679	880	1.551552782
3109	1326	811	1131	287	914	0.014439366
12844	3323	1853	3674	1295	2666	0.062186009
6820	1548	731	1761	493	1053	0.037738636
8999	2754	1306	3049	1185	1897	0.043455288
515	392	588	833	798	746	0.008812789
2067	2203	4199	3273	978	3371	0.011929734
3824	5418	6281	5818	1832	5429	0.012105865
1623	2661	2975	2784	859	2569	0.009846588
44736	60161	51871	72403	20306	48790	0.381394752
2649	3389	3293	3865	2132	2451	0.03693202
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596	2317	1256	1247	448	1016	0.002580011
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16195	7769	7712	46868	16876	3046	0.753948719
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8367	4494	5369	11668	7244	4594	0.289880333
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2508	436	1223	834	1201	1588	0.046356069
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187	459	1230	586	727	1939	0.008709896
187	722	1725	684	717	2276	0.003490413
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149	326	579	663	203	868	0.003804246
173	368	735	763	354	1264	0.003742785
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123	242	832	623	339	633	0.003836263
329	616	3316	1803	1066	1927	0.005445918
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407	882	725	1607	1112	1572	0.013667597
104	351	199	435	311	614	0.002329926
217	542	220	856	1251	411	0.002288416
3516	10412	4231	6249	5563	2887	0.104505824
6875	2215	6928	2124	1499	3989	0.043887554
38887	19632	42327	16428	6070	31407	0.389048497
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20206	11878	19862	10838	3963	13838	0.298310106
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11879	3957	8213	3589	3961	5714	0.102346691
6726	2708	4421	2527	2827	3135	0.062056788
3532	6765	2886	6219	2227	3031	0.096341472
3842	8121	3861	8720	2444	3367	0.061764478
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21602	54649	12271	111977	12077	11896	0.198382971
14205	3516	12983	3581	2148	15218	0.259702299
41595	11680	33689	11300	6483	38473	0.800084353
13124	5749	9295	4995	2645	8584	0.366502067
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48250	12878	28736	24974	39240	24615	0.561012005
5488	4932	4377	5564	1957	4988	0.044657381
8357	2867	15762	3784	4460	13441	0.010718047
4869	1875	2844	2241	1256	2912	0.067144657
1808	1350	1421	1637	943	1686	0.021942476
31751	7718	9579	7415	3751	13123	0.308173272
7373	4854	6525	4784	2289	5631	0.611604972
851	584	739	653	357	890	0.00588256
104	151	144	532	271	327	0.004195159
5948	2843	2339	4665	1295	1916	0.11245849
17991	11608	11206	20796	5714	9342	0.29141787
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25158	993	1088	935	599	1340	0.053373664
38294	1458	1551	1562	1044	1454	0.061074892
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7355	33737	15151	21255	10701	11820	0.132230568
8160	3417	4704	12152	7493	4065	0.219176151
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7600	7419	16017	9292	3584	8822	0.150058088
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6830	6098	8792	7851	5973	5437	0.155899709
2607	2385	2365	2697	1843	2337	0.025336548
2537	4058	3091	6884	7581	3226	0.039393494
6717	2383	5451	2355	2362	4329	0.073622548
5978	2592	4284	2530	2476	3599	0.111398058
2598	1247	2095	1562	1134	1696	0.037538521
4158	1287	3122	3329	2971	1756	0.094182431
7880	21546	7485	24619	2930	8005	0.085087194
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11546	10235	6255	8633	2458	4921	0.343680185
21116	20919	13075	16588	6197	11370	0.370360531
1394	1111	892	1461	866	1173	0.014518759
8874	13582	6126	14761	2969	6111	0.394047062
3592	6575	3966	4534	1273	5871	0.06579357
3108	845	3400	1603	1162	2739	0.026879786
14657	16123	8470	17569	8246	8327	0.175431896
6823	8567	3128	8542	3967	4104	0.048812978
2634	4106	929	3281	2230	1606	0.026789812
2020	3534	748	2872	1800	1245	0.023333167
11325	2062	5296	2432	3697	4210	0.115295978
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Sheet1

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4110	8167	3686	3516	1109	4286	0.11263762
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25909	8834	21675	12718	11240	20409	0.342290503
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1080	2608	1004	994	197	889	0.006508089
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7765	7133	8124	5098	3571	5516	0.151255484
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91	249	652	745	376	186	0.000767663
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1	0	0	0	1	0	0

Sheet1

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3471	100317	14666	8393	1040	48394	0.022055768
5183	112695	25038	10053	1625	60120	0.027894289
1417	4151	1785	6082	1491	3523	0.046673206
190	209	367	442	328	407	0.001941353
238	237	498	607	467	511	0.004076716
881	2765	784	3166	987	1257	0.010744984
1659	4175	1288	8607	2812	1493	0.018187556
1025	2489	700	3850	2700	1335	0.004976725
1682	3007	518	5335	3153	637	0.011779044
339	800	76	1388	855	126	0.001332337
48692	165373	3864	285520	212234	7156	0.321908092
18267	60840	1282	114457	63998	1743	0.136291922
1592	768	1563	440	553	1259	0.007909333
8792	35752	10504	26043	4635	12570	0.179091315
3925	15921	4226	59737	22981	3577	0.035928183
3844	9720	3886	33907	11467	3754	0.079802591
432	601	304738	1235	1125	406099	0.003416135
6044	11068	84394	5884	2835	285807	0.066084776
222	435	4798	212	126	18666	0.0015923
4538	10045	70126	6587	2667	196863	0.061654017
2904	5464	27609	4316	1311	46179	0.02009637
25	46	270	26	27	383	0.000212081
8617	5229	4602	5419	5058	4182	0.219577907
16177	9284	7097	9265	11346	6072	0.488163686
1998	1283	1030	1728	3024	1284	0.143323939
122	195	303	720	520	629	0.004566173
220	1043	236	861	197	197	0.002009409
1548	10176	1537	9200	1882	1329	0.030020434
23625	13338	12506	9013	17568	9729	0.297715131
10368	3984	6157	4525	2949	5468	0.15544951
47	49	50	79	51	39	0.000140708
493	683	850	820	491	1025	0.006098284
7896	3163	6512	4073	6859	5336	0.061898768
2417	1089	2322	1379	2757	1669	0.019019172
2938	1841	3191	2719	4915	2842	0.020136537
2448	1397	1977	2383	4150	2375	0.011900513
330	27093	7698	36714	650	1945	0.071783757
463	30729	14554	44285	804	3127	0.043289442
24	2474	1925	3781	34	296	0.00253995
321	22858	17210	30350	738	2638	0.020693807
296	32292	17195	34031	544	2599	0.01026931
620	26706	23565	38354	1075	3114	0.021350292
440	24095	21560	31145	1039	2797	0.011952555
136	8116	6703	11061	240	963	0.002865043
288	17659	13020	18621	292	1700	0.005045713
380	751	285	653	1121	547	0.000557175
5412	1322	3223	3292	1607	3519	0.070170154
27952	6574	17087	16153	8057	13964	0.249521212
14270	9982	13658	11713	6322	8330	0.216557083
6339	4359	5412	4892	2479	3229	0.052811054
5595	5949	5920	7019	3554	4379	0.075922656

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11690	11683	12163	8908	3241	9152	0.143103479
15804	16729	24498	15754	6123	15023	0.251940007
1522	2765	2698	2318	934	2978	0.024676632
9034	6033	9504	6371	3585	14717	0.238888745
2791	1653	3240	2037	1065	4608	0.075983905
2454	2017	3726	2328	1264	4969	0.0354521
6106	5205	7596	5887	2911	11415	0.080154757
1258	1200	1308	1371	769	2539	0.012902987
580	1605	4587	2981	652	23241	0.00633664
2753	4886	29020	10447	2434	124891	0.028298084
1023	2200	26526	6190	1010	67442	0.00959207
36	93	1184	173	81	3603	0.000155537
1894	3897	25252	7447	2426	23827	0.035053905
522	1096	6022	1470	758	6664	0.008972
458896	80809	372981	141581	300623	330730	0.909719885
31099	9376	16166	14469	6458	12425	0.472272817
21736	9997	12976	11757	5083	8136	0.305428192
1941	1144	2139	995	1588	1480	0.015190102
37440	16650	36533	17668	6354	27580	0.092809215
10291	7707	5811	7615	3674	5981	0.157919522
3176	2252	1872	3003	1361	2146	0.037913892
5418	4290	3606	2721	2615	5929	0.056526657
5759	2965	4634	2301	1822	5111	0.098693178
107	50	145	272	320	237	0.004465409
133	72	180	419	404	347	0.00472281
35448	26534	33727	25837	19346	28165	0.169720713
212	201	231	403	209	535	0.003465673
355	215	328	394	261	599	0.006088428
418	198	266	716	566	592	0.008932047
236	113	151	448	373	349	0.004078996
179	127	136	394	216	277	0.003804371
425	1657	1545	8373	1357	3458	0.003494535
820	2989	1358	3419	498	4277	0.003887118
1684	1067	1619	1875	969	1123	0.051048415
12963	3966	9696	4517	4754	4722	0.087953504
54884	15220	24420	17039	19443	16408	0.438392042
17712	5893	6503	6669	5341	5929	0.17862965
199	145	105	224	135	161	0.000222302
43518	14462	23423	5976	2117	20757	0.439682709
142365	47566	61012	18305	6042	73526	1.380154598
54146	23499	33430	7143	3150	35869	0.493548609
131738	37226	67202	15093	6857	68577	1.306107546
36444	10833	20029	4234	2043	20835	0.255892889
67533	17228	40283	8830	4053	37325	0.722161244
34581	9330	20756	4841	2172	23518	0.227698262
76006	18329	38310	10476	3918	40207	0.55202317
30268	7571	15758	4901	2246	19806	0.219932972
32595	14463	14715	8207	4895	18871	0.31817833
27448	11799	9599	6585	3448	13380	0.617094371
96855	28978	34031	19764	11514	35209	2.029458348
34286	10898	16576	8530	4982	14378	0.547095284
4407	982	3679	1574	1042	2234	0.034036365
5534	1495	4720	2166	1588	3224	0.032183159
51578	10067	34612	14287	7150	27635	0.143539939
79713	13246	45529	21119	10634	41524	0.318404161

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15354	4231	10714	7154	4375	11808	0.081052292
42668	16478	64679	26170	13535	45930	0.233277373
139976	54353	100365	62633	23656	69365	0.909508522
21511	18121	6436	60342	26187	4445	0.377347961
7615	23517	11250	48180	85438	12221	0.136924178
18969	26896	16716	44036	13496	17338	0.322002939
217347	80802	144854	51233	27971	102362	1.682352331
1666	911	985	820	914	1034	0.006142594
187184	19986	89904	14770	15959	109447	1.662255114
53083	20718	43755	24913	9921	26930	0.494107074
1758	1209	1160	1380	2773	1210	0.017739021
8205	1852	8838	3495	1857	5632	0.09431883
11239	13194	5354	12339	2362	6639	0.122252426
3594	10430	6121	9125	1598	2947	0.181010958
3169	10596	3939	9457	1530	1971	0.139376867
1586	1595	1987	1555	626	1425	0.018030997
974	908	424	1151	1032	888	0.008929203
12864	6280	3325	7941	11182	5564	0.34434345
62	39	28	59	76	66	0.000471426
7345	3034	2965	3380	6174	2886	0.204454379
44003	4144	10957	6578	2787	9539	0.479086844
9433	31287	98555	129936	375557	22364	0.247411868
3515	1383	1194	7162	1748	728	0.047666207
9409	8780	8794	7112	5000	8709	0.154841182
466	307	593	145	105	333	0.001780021
7868	3194	5568	2259	1379	4586	0.032615003
2240	829	1786	852	445	1511	0.005085759
934	661	867	1792	1232	1922	0.022497846
839	1921	274	3942	2642	220	0.012395493
3174	28957	1422	20151	10735	1255	0.034722139
40548	21790	61741	16754	10019	49757	0.192437994
410	1131	1596	464	219	2028	0.000787318
5097	2050	3585	1457	1630	2175	0.064607359
5	20	13	80	324	14	6.69391122622105e-05
4322	3303	2527	4309	3369	2309	0.077260177
2207	2258	1716	2861	1780	2205	0.030290425
36705	3700	16028	6342	11290	26334	0.383409988
1186	1068	711	2845	1730	997	0.320092861
1119	666	902	2199	1717	1434	0.110960711
791	311	634	1263	752	700	0.072309142
1216	704	854	1981	1254	960	0.041308487
4638	10245	5439	11278	6942	8072	0.094629699
15129	16327	14768	12796	4293	12562	0.404963419
3003	2286	3726	3067	1442	3403	0.050915792
3750	2885	4941	3952	1890	4979	0.095977339
1417	2264	1510	2533	1910	1521	0.467906496
1348	445	528	501	862	660	0.01678573
11	7	11	25	9	16	9.93183901189878e-05
38	9	26	29	23	24	1.65088345113194e-05
18032	6280	12142	14686	26548	7664	0.37944192
3790	6722	2942	9828	4216	3466	0.027651501
4904	1867	3018	4076	4945	3164	0.018872852
6267	8770	9268	8292	2509	9820	0.049416827
12400	4204	8051	5229	6042	4838	0.122770354
32549	17343	21519	16439	16166	11679	0.806845291

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10247	7364	7352	6622	4664	3327	0.194491832
1738	1406	1460	2838	1308	970	0.247504986
11556	817	2687	1716	802	2937	0.011820516
895	776	835	1250	210	822	0.005274078
1006	941	1168	1829	546	1256	0.009245961
4572	3557	6756	4941	746	2524	0.109671467
18	40	13	76	37	39	0.000164133
2987	1551	2807	2049	1407	2818	0.035401565
3738	2624	3921	3230	2538	4409	0.058371921
922	613	1092	1056	637	888	0.010550942
4113	4707	4213	6722	2121	3867	0.06272376
150	259	312	876	760	681	0.002567722
6629	6192	4795	39797	33772	17094	0.29471531
1094	1155	1005	8676	3314	3736	0.052245903
468	814	630	4535	1786	2546	0.019464895
866	915	604	4023	1596	1694	0.024806501
2013	1905	1214	3915	3189	1337	0.050482098
8182	7104	5889	19837	27532	5322	0.12291491
3848	3566	1476	6281	9615	947	0.088401123
693	566	566	1035	721	591	0.020234954
1343	422	750	1107	1096	594	0.054586342
247	46	200	364	280	188	0.016131086
1116	144	692	682	866	452	0.038658526
1378	118	1001	625	1061	310	0.048254516
900	119	996	657	1009	399	0.020162365
2517	305	1843	887	1311	366	0.074293599
3858	2330	5125	2908	2155	3677	0.096808822
1903	1998	1513	3396	2212	1623	0.03560204
567	976	1001	1051	460	550	0.006266868
362	747	558	931	348	369	0.003262764
3533	2925	4346	7410	4046	2804	0.120308871
887	692	833	2202	1361	503	0.04670203
33	25	393	68	33	181	0.000145968
1757	1610	10221	4129	1988	6095	0.021434634
3124	1358	2123	1727	2526	1422	0.085493754
1545	782	1487	749	1426	849	0.042023549
9653	1506	5554	2729	836	5095	0.127638355
47217	7653	59984	12936	2893	19347	0.534985119
34	87	71	169	105	90	0.000711034
110	227	228	366	76	158	0.000565554
8787	10810	7804	11757	4813	6517	0.13834565
5096	3141	4530	2647	1665	4307	0.07545197
5	4	4	1	3	2	0
4715	2975	5233	2365	1539	4079	0.177067513
1187	751	1392	693	567	1370	0.01083821
1884	816	1764	2017	1551	1785	0.017249057
41454	24603	44111	22501	7035	39127	0.363193528
115530	50799	89696	60950	17127	90551	0.946173766
6175	3028	3907	4040	2478	3196	0.069213024
6551	3383	3584	4046	3009	3364	0.04856727
6280	4964	3902	5634	3955	3579	0.097098688
4741	4972	2431	5208	3976	2831	0.060950979
47086	36038	33917	19760	5960	35942	0.369566018
165101	144795	167526	83208	25525	141871	1.214624906
30170	26772	32268	15213	4717	26344	0.192711876

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64259	41672	53707	23032	11395	61447	0.512804776
55795	32085	44710	19021	9028	46115	0.39675922
66359	43089	56994	24219	9578	59815	0.511851477
71913	58596	82476	32597	9688	72787	0.424883458
212705	167756	224596	86872	30828	236663	1.152463722
61683	39659	60687	19645	6499	58937	0.609884178
33390	20241	23720	9116	3731	36727	0.183044393
57391	37268	52895	18786	6647	67638	0.308288909
96700	43782	59666	22014	7947	84354	0.920207647
45951	34224	45847	15938	7208	77138	0.226896686
81750	39282	60452	22232	13031	135547	0.548364243
57303	21007	32952	15286	6654	67661	0.474122863
116736	58310	91579	38453	18063	190561	0.588663108
87984	36612	60310	26814	15599	145157	0.576989916
64153	26280	41002	17213	7287	81749	0.510271394
33063	22377	39338	15614	9244	74269	0.159250245
16525	9893	15951	6504	3698	32421	0.082636482
76522	40338	53017	25664	13446	110975	0.39638705
89028	45785	63467	29607	15411	132243	0.573654508
48746	22595	35018	14488	8246	72493	0.292463329
58401	30557	50439	19162	12512	102163	0.24437537
98436	67553	82962	35774	17692	162316	0.421602906
29608	21279	25620	10812	5868	46456	0.110829819
54707	40592	44758	20748	9741	76341	0.182385023
155583	81204	99604	57362	27879	150742	0.59495738
75855	40734	65559	33146	13928	57210	0.194773461
2753	1302	2165	4908	8624	1319	0.014622487
67939	45008	24987	57983	20353	27547	0.868669795
28256	12548	16265	15489	9165	16510	0.230468437
58	38	77	121	142	93	0.000909382
4615	3287	8209	2690	3729	3789	0.094600685
24810	7659	14163	11600	12502	9361	0.060525538
66	41	60	71	75	91	0.000605669
1383	1871	1032	3300	2369	1465	0.008220596
813	257	408	324	402	413	0.002373455
3175	2147	2829	2018	1900	2057	0.01848937
24055	14788	21190	19178	10712	17850	0.291651149
14954	6546	10518	9280	4341	8417	0.274552204
159	338	128	1048	708	199	0.00287585
1667	1472	1402	1777	1170	1352	0.0273832
850	1733	334	4444	2573	509	0.00390634
709	2237	670	5278	3201	882	0.005031183
567	1333	1242	2055	991	564	0.009790652
14	12	12	16	31	22	9.51968689832176e-05
50	61	72	121	116	53	0.000269701
34	51	48	86	62	41	0.00019037
7538	6264	7332	7690	9091	5963	0.067913496
1609	1403	1422	1666	2021	1181	0.013204988
435	600	522	575	593	361	0.004501599
3989	3161	3749	4486	5099	2292	0.05280432
2136	1627	2882	2064	1868	2391	0.037645947
6750	3628	8456	5011	4351	8044	0.119322376
2983	2457	2362	3271	1204	2345	0.035336983
3388	1276	3682	1911	2216	3119	0.099988928
3492	1133	4274	2033	2105	3391	0.060422507

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2256	2371	3057	1331	828	2536	0.031695903
2305	2589	4713	1592	1050	2735	0.04707168
9228	6452	23140	3906	3924	8286	0.117741987
2099	6163	1468	9871	23774	1127	0.023224662
5139	5671	4655	4639	5516	1608	0.027210904
4437	4160	3182	4115	4803	1352	0.016104306
1251	1005	1088	1099	694	1168	0.019979246
54827	26171	28998	25200	7407	11736	0.509092726
2009	13584	3930	8867	2923	2045	0.079541934
433	682	1014	4150	1692	583	0.002662755
138	78	1200	1203	978	251	0.004032533
317	262	2304	2217	2310	592	0.003842815
805	900	5118	6520	5635	1531	0.010040711
262	230	1035	1534	1252	599	0.003666181
335	299	1061	1696	1111	446	0.003570739
1397	918	2339	4086	2434	1195	0.02116712
928	761	2078	3482	1674	884	0.012953582
16409	91377	13863	66970	7866	30911	0.095055163
5190	2483	3249	3496	6882	9874	0.123368806
1223	1118	1169	2196	1062	1381	0.005842779
1229	1174	1333	2271	1705	1879	0.006936402
21865	29861	70737	20240	14850	86972	0.009661241
442	1021	482	3016	1054	987	0.00133298
5524	3104	4665	2342	1081	3974	0.026030653
11100	3650	6911	3006	1725	7298	0.046725351
1570	2897	2647	2192	544	2789	0.019762219
3921	56039	31412	46550	9082	36780	0.00561999
16393	10885	5455	9111	2355	6219	1.486170607
24226	4748	9776	7518	3097	6848	0.320419526
13956	5441	5919	3801	2060	3985	0.086302003
3438	7047	6524	4891	1392	8008	0.0270458
51681	100817	68700	62199	17684	81838	0.693031144
6832	13950	10200	22109	3845	8022	0.139792942
2124	1660	1379	2758	1137	1762	0.0459554
2116	6587	1703	5716	5617	2143	0.019025147
5924	880	3748	998	1009	2523	0.019995153
227	117	269	409	508	429	0.002631343
9135	6885	9932	4614	5807	5704	0.091423607
14710	27641	13613	16382	2968	11057	0.20060969
3150	968	1094	1249	904	1407	0.024033783
309	174	274	214	119	208	0.001647727
200	285	351	294	139	235	0.001989469
2142	2511	1919	2082	1355	1322	0.036997208
1002	2389	1257	2397	762	798	0.015656312
551	343	309	339	173	370	0.003043266
2798	2036	1969	2752	1353	2082	0.084608816
383	437	366	475	329	638	0.002589988
10600	10054	7733	7706	7115	4083	0.242765679
341	850	454	931	417	550	0.007419954
460	2765	1020	5014	770	1807	0.013391633
686	6209	1643	7310	949	1592	0.026042225
742	922	827	2241	846	2249	0.023025763
1080	1953	1571	4429	1768	2739	0.097726034
512	320	473	796	630	717	0.057368208
192	217	212	368	299	309	0.003613209

Sheet1

1360	1376	1264	2678	1149	1361	0.043969766
9816	8975	9927	10620	2704	15607	0.042075181
5659	3032	6512	1863	1876	3477	0.078311209
788	978	662	1554	1445	679	0.011313338
15377	5731	19644	4344	2007	7822	0.120684984
22782	7740	25363	5823	3166	10567	0.282829942
138	87	402	45	46	120	0.000400439
2071	1317	3308	1110	472	2243	0.014962701
1132	608	1978	608	387	1103	0.007755564
1312	2001	5006	3623	878	2163	0.009767834
462	722	451	778	405	456	0.010332664
19412	14978	4783	8197	11768	4287	0.06469144
7640	6203	5688	3759	2067	5928	0.116161262
3719	2510	2317	1814	1040	2263	0.02527092
1443	2469	1231	3291	2561	1023	0.025848034
1887	2883	1717	3915	2695	1659	0.053912411
5982	2102	4092	1895	1345	4073	0.135330612
3957	6582	5086	6979	2724	4432	0.030945311
16096	3590	8707	3459	2126	5759	0.221171676
7052	1196	2395	1141	1167	2036	0.099696158
1757	1653	1534	1985	2250	1587	0.006002465
4270	1708	2672	1764	1113	2047	0.057479281
6	19	16	41	12	31	6.12072761740793e-05
8859	6630	10911	4764	3374	10207	0.099587341
8059	43717	7170	11182	1892	10978	0.049687662
1964	4329	1585	4971	1640	1879	0.023273236
486	465	484	820	565	598	0.004993371
358	398	357	895	683	627	0.003190095
1452	1641	1079	2385	1096	1150	0.020690556
2576	2358	2258	3966	1773	2697	0.043431842
478	352	454	354	281	622	0.004085966
758	833	813	539	256	942	0.010304476
3585	1531	3651	2221	5285	3324	0.23650215
98701	78036	89382	19408	3564	45240	0.446454484
3138	2808	2509	3995	2575	2216	0.041672163
5004	4794	8484	6212	2370	7336	0.132745592
1952	2397	1290	3862	2259	1491	0.037449769
6325	2124	4610	5077	5528	3500	0.102875648
813	251	667	818	994	682	0.010191787
2420	640	2191	2043	2437	1599	0.037787707
29	7	27	58	51	61	0.000182173
4314	4792	9522	2112	539	2943	0.041799552
21	49	23	67	115	79	0.00048566
3977	2277	1789	2897	1141	1438	0.022540452
4300	6695	3872	9971	4424	3658	0.035467835
5056	7053	4633	11943	4701	3672	0.043214131
2273	1377	1884	3001	921	2494	0.305227212
1400	861	1156	1913	591	821	0.199136409
948	410	571	829	557	692	0.0964405
10577	23420	5786	8611	2718	5236	0.081252364
2202	5273	1653	3196	770	1952	0.020501776
19658	4070	22404	1983	930	14708	0.039496734
28257	25869	41794	16710	6199	24581	0.1357799
2394	1756	3991	1359	669	3246	0.005240307
10410	21097	26192	15412	1950	7342	0.117783344

Sheet1

1406	3529	2830	4697	1469	1730	0.016828247
4627	1403	77021	775	498	22727	0.066855652
437	863	481	1208	578	648	0.007402747
694	1107	550	1160	576	754	0.009586091
5936	1952	16722	2098	1553	14953	0.165754261
12564	4145	29573	4657	2976	28181	0.448890722
2324	1063	6427	1150	739	8162	0.039495828
2501	607	8563	688	485	9988	0.06209461
1359	114	6732	394	275	6290	0.051319391
6484	447	33811	1308	1133	28005	0.218034082
18067	3101	225669	4250	3294	56634	0.248350391
7412	962	28925	1554	790	22918	0.238644624
1530	200	8308	279	159	5663	0.046420319
15430	3283	158862	2941	2096	59849	0.37930702
6872	2368	92277	1351	872	15710	0.037621698
1683	902	985	1946	1645	690	0.040576894
7608	4380	12323	2462	1014	5228	0.042386836
373	193	728	110	57	264	0.000658912
446	701	963	879	706	692	0.002230818
16231	16916	18351	8192	2576	7034	0.119841121
4882	25283	2320	12527	13263	2834	0.074999665
1035	7809	733	3554	4163	1199	0.018246973
37	27	14	30	22	18	0.000299099
21348	7519	6822	5907	1814	3407	0.590081897
3011	1533	1772	1472	395	581	0.030017688
933	2728	1761	5586	2014	1395	0.016986672
27421	110154	34780	95357	25371	15899	0.462325371
6974	34357	10594	27365	6939	5080	0.081506207
19826	72938	23230	68996	17651	12229	0.362911756
3962	8669	7204	6207	1636	4715	0.025314411
179	479	755	416	193	222	0.001118717
87	852	782	805	342	516	0.00047728
2245	1236	9960	1344	2779	2172	0.058909245
3867	42442	2830	28685	1143	2611	0.011594382
296	111	234	198	137	187	0.002249729
11449	373116	15366	30476	4184	29236	0.030689233
382	2667	543	1366	753	995	0.013051248
444	6229	1943	2889	824	11381	0.011124741
473	8236	2176	3546	896	12123	0.017884769
282	235	260	393	611	137	0.002021465
1037	1166	1201	1536	2649	618	0.006998835
989	1257	1563	1940	3482	936	0.011689167
1455	1499	1715	2163	3376	874	0.017994509
515	1023	601	1808	2513	515	0.002730352
207	598	262	1224	1414	225	0.001780191
2	13	13	33	48	55	0.000192826
792	1016	1177	2436	1269	1365	0.007692598
333	408	930	1034	720	855	0.005406149
6	13	18	37	38	41	5.92312455404466e-05
9	39	35	62	25	61	0.000103649
200	223	176	406	192	271	0.001036276
4047	8650	3362	18202	2502	4227	0.062141557
9804	23766	5932	46455	3927	8683	0.103332459
6723	15539	4935	5873	1024	4784	0.039397076
799	269	802	642	564	864	0.005778835

Sheet1

4599	3538	1068	8221	12253	756	0.162806801
982	1084	902	3147	1894	799	0.017797826
339	948	349	1906	838	551	0.089962218
3804	11009	6903	11803	1831	4934	0.033534648
1	0	1	1	2	2	4.42377918449876e-05
22889	23815	25122	16195	8299	14770	0.211203074
21	22	30	24	56	22	8.84056847030706e-05
1700	3693	2115	4268	2655	2086	0.021543147
29641	7468	14721	33328	39059	5555	0.419264269
4788	2858	4369	3933	1522	2181	0.067397785
5982	4315	5379	5444	1992	2948	0.021598663
907	3102	2071	3205	855	2420	0.010714261
1114	2907	2867	4434	1533	3057	0.014647645
468	1103	1132	2245	648	941	0.005992673
698	2281	3832	3675	1657	2410	0.013491661
22	22	33	63	68	60	0.000220173
93	46	90	206	231	195	0.001203509
10854	11280	9946	10421	10387	7310	0.162464218
3934	27965	25050	43183	6875	16223	0.049560537
14244	22207	17487	12396	4866	26308	0.253412657
2658	4368	2668	3363	931	2084	0.010148731
593	733	349	601	450	526	0.003000689
961	1586	413	1120	779	594	0.006263233
7972	36774	3376	12198	5418	2488	0.15692315
1699	32275	839	8406	1721	670	0.019842719
5480	121380	3244	33254	9003	2399	0.155026543
17604	14003	17042	11753	2031	7956	0.815517204
3699	1205	2697	1957	2172	1772	0.06315747
854	628	769	467	485	978	0.003372791
726	724	1374	1733	560	970	0.005092846
429	341	863	749	331	408	0.004157668
219	153	499	346	259	305	0.002114632
115	76	306	319	227	218	0.001880653
284	555	1040	1014	417	569	0.005013235
1404	2605	4600	4418	1273	2200	0.025414409
305	372	1138	1037	577	595	0.00436691
257	326	795	1137	648	665	0.0070719
117	218	456	721	239	280	0.001876496
269	307	276	893	385	529	0.003125982
1136	937	930	2981	1183	1590	0.026684153
3711	38862	6998	19912	1219	8359	0.039488583
92	290	192	739	239	438	0.00091477
809	581	1104	761	1153	823	0.008781701
1231	722	1394	659	953	1005	0.005747039
2549	1339	2099	1923	2018	1095	0.027087947
3487	3199	3498	5086	4288	2121	0.060595362
1208	498	954	716	748	844	0.012470174
133	107	140	378	251	245	0.001420953
18739	33593	67752	11959	4706	40873	0.093944736
51	177	116	158	103	232	0.000579779
971	1169	997	1512	711	1035	0.01193973
734	412	784	439	273	439	0.008184196
687	389	783	679	562	691	0.010703262
3743	1526	3011	1993	1234	2223	0.037507183
1450	694	1591	933	618	1059	0.015802909

Sheet1

1013	373	937	628	431	675	0.009938784
6994	2521	9347	2794	2122	7129	0.115907191
1730	589	1736	1047	860	1414	0.017552432
1759	462	1644	1114	1699	1292	0.05570703
506	873	2149	1921	1026	1680	0.006451337
58	85	237	239	462	317	0.000461759
31	43	29	56	52	48	1.44280646349052e-05
656	1598	889	1959	783	1026	0.007095365
47307	50674	24257	32697	11289	19762	0.734753415
199	98	244	159	184	142	0.000258993
37	47	53	121	159	142	0.00037394
8565	2866	8356	2100	1258	6313	0.113921523
22646	146104	35569	65628	27388	37745	0.060800078
10265	569689	32690	249154	51157	25304	0.062719989
31	1466	155	969	577	200	0.000544857
15	8	20	43	45	37	0.000143364
1778	2850	1912	2923	1212	2450	0.256182563
680	291	669	910	712	1099	0.319438042
393	211	552	507	503	511	0.364058615
3244	1907	12313	2601	2702	25493	0.04477746
2684	1477	16779	2247	3510	19834	0.031672898
924	4440	2876	23198	17644	3378	0.004648203
4526	12611	12868	51809	76904	13790	0.017006237
3059	3588	1098	2359	1060	1945	0.688105136
1252	2319	2083	2046	2269	1324	0.009849956
12	6	19	24	32	24	0.000128472
581	933	501	2298	754	763	0.01140043
157	315	135	906	306	179	0.001169803
3077	15998	998	2735	572	733	0.024184449
1258	10216	434	1243	204	250	0.004647281
707	678	466	1346	1585	996	0.274399083
1484	2165	1540	1906	564	2072	0.010633451
351	335	233	7513	56285	245	0.003187757
668	670	453	18662	53454	890	0.01126713
1110	2402	919	11155	27858	815	0.011975644
440	349	740	536	194	624	0.003938958
3925	7839	2441	58351	176865	2722	0.033376203
5426	9808	2956	43010	72072	2241	0.075627884
5532	18827	21733	11042	49500	14548	0.057467571
1993	1173	1415	1718	894	1102	0.020643664
111	474	477	383	396	360	0.001731503
178	577	491	527	298	388	0.002128296
20207	17000	5800	17581	13525	5162	0.111744736
682	711	454	815	355	608	0.010366081
470	784	275	373	123	375	0.00537323
7	4	10	15	11	6	0
2314	2730	8447	4336	1330	5396	0.048084045
907	1404	3430	1711	535	2203	0.015811246
1736	2101	5656	3771	1083	4922	0.015578617
209	632	7153	385	616	2994	0.001175117
1442	1151	5207	1826	1572	6130	0.014802987
6004	6521	2629	13708	5348	2426	0.170052942
1690	2443	1023	7492	2294	621	0.038640717
912	1506	570	3130	2364	456	0.019260461
44249	13907	19965	9036	3389	10373	5.807533395

Sheet1

45400	41460	6834	61729	10424	9142	0.121336825
21503	16768	3232	34263	6988	5992	0.071567955
2060	1521	386	1158	189	340	0.000649111
1445	764	1238	977	1139	1366	0.014542784
66486	36740	60280	10453	2947	75784	1.035370276
1935	4513	2731	3286	1471	7718	0.002128914
1064	497	1500	1125	189	613	0.009910042
1006	408	1257	957	127	462	0.008569879
515	410	1320	822	210	609	0.004650794
11212	4086	7717	3771	2699	7095	0.116920164
13320	3880	8867	4698	5474	7019	0.417037125
4629	2300	3388	4649	4190	2115	0.144886174
3639	4567	4802	11203	3590	4794	0.096414308
37	40	176	117	59	114	0.000548238
1254	839	8976	2584	1782	2007	0.021322881
39	74	1204	256	138	131	0.000912952
2489	4600	1309	4093	1362	1858	0.048730177
2514	4914	2681	5324	735	2292	0.023159164
20	50	36	99	64	54	0.002678978
2198	2205	1507	3151	1604	1894	0.64982683
696	553	532	1148	744	580	0.011742971
8083	38747	934	71872	24687	2836	0.01755555
6182	9875	3397	62371	32047	13849	0.110686704
901	938	553	5044	2935	2699	0.004324218
869	2038	1101	2057	754	750	0.055156597
1094	3527	1498	4487	1488	1144	0.088200177
787	622	1083	1209	938	1761	0.012155703
413	391	621	584	496	1025	0.006411066
503	521	986	906	729	1759	0.013388924
620	675	844	1327	972	1642	0.011930207
127	177	142	227	180	262	0.000781252
13715	19232	19255	10899	7069	45261	0.004211688
28150	19388	50802	22649	17571	32331	0.16416348
487	522	519	725	427	855	0.002521214
90446	67522	83707	57940	36387	193918	0.02286361
525	5552	1606	4610	530	861	0.033063346
9	66	63	152	66	53	0.000222627
64	78	107	287	178	208	0.00093222
1438	1470	1380	2030	873	1177	0.013381839
252	1368	527	1378	2346	512	0.004575335
691	2967	811	3741	5336	906	0.012347146
1357	755	1218	1442	984	995	0.01114916
7115	1830	3031	3519	3270	2757	0.062440688
937	391	661	863	909	637	0.009671382
475	373	352	748	1688	416	0.005987487
1153	682	601	1398	2708	589	0.020846566
1332	946	886	2209	3911	984	0.018797158
1979	1396	1112	3245	3686	1533	0.047866144
907	483	961	1247	753	781	0.009530668
367	327	562	786	572	660	0.00278695
191	410	497	784	589	478	0.001871062
984	540	1953	592	771	1080	0.005625719
554	406	1348	451	507	736	0.009338005
211	192	579	208	287	400	0.00228576
1056	1089	953	1345	764	1872	0.017433168

Sheet1

7480	9586	11608	9241	2760	8599	0.050101549
4317	4814	5299	4414	2696	4459	0.061966495
1174	580	990	747	731	803	0.006224982
5933	3305	5680	4407	7414	3172	0.049743449
1452	668	1160	1322	1419	1068	0.026655954
20	12	20	48	50	40	0.000290332
2449	3098	1843	3971	5072	2855	0.042595797
2805	5619	3327	4199	2024	2666	0.031108614
10356	15398	9545	14502	3542	7282	0.236456969
12950	18509	12945	19028	4668	8144	0.241813385
2786	1906	2105	2293	1463	1854	0.03428007
5505	3260	4170	3871	1563	2659	0.091593579
8586	11346	4589	8084	1347	2088	0.319099232
2300	30519	8304	33830	1021	2642	0.191652025
586	15596	2200	13440	1122	1245	0.153995515
19	52	49	225	115	178	0.000357975
51855	6874	20837	39907	30667	6796	0.885972298
171956	63215	83746	50165	19711	68618	2.859005393
1236	2413	3215	3261	2787	3633	0.007769477
9037	12473	9649	36170	18561	5433	0.416861288
1204	481	495	843	784	922	0.028042493
343	231	183	317	214	322	0.002458936
1641	1216	2399	6572	1382	26982	0.014934936
1321	2355	2151	14246	1176	32467	0.011303686
4	4	10	19	19	50	1.37172329798893e-05
4892	6111	2934	6430	1026	9429	0.03292713
811	1013	918	2649	870	2545	0.007485381
2675	3502	3177	9805	1050	18075	0.008288458
11	17	10	85	5	14	2.73968928903436e-05
22	38	57	104	98	83	0.000232863
1280	1696	11841	2677	1923	3565	0.001766602
14269	20315	109416	28070	14791	23013	0.033364635
308	384	639	831	498	800	0.00407577
791	1310	960	888	207	1111	0.006810138
1465	2138	1510	1488	468	2055	0.016980053
6933	9778	6643	6943	2691	6928	0.150552458
4	16	7	15	19	17	6.83015109060185e-05
619	538	3391	1245	505	1530	0.013862115
6	29	114	86	16	55	0.000518829
4568	2374	4152	2332	1624	3050	0.062512323
1721	882	1523	1094	758	1274	0.029467979
7710	1996	5538	3014	2978	6067	0.064203324
4961	1129	3412	1760	2244	3886	0.040979066
5712	1474	5851	2427	3236	4446	0.057545798
917	709	4412	1883	1545	3425	0.033964876
27	28	41	93	89	57	0.000177031
3195	2935	1894	2803	2666	2037	0.05214523
2468	2733	1783	2237	826	1519	0.070635445
219706	112461	65559	92467	33643	123892	0.470795118
5633	1550	2997	2181	791	2630	0.032074595
6942	1855	5329	2545	1318	4081	0.048365263
2269	696	2950	1453	1094	1383	0.028840829
1736	516	4234	1188	762	1073	0.028883491
2376	731	12452	1636	1132	1482	0.079311328
182	833	1508	768	335	499	0.002224302

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1364	5471	10799	18645	1800	2493	0.021767041
1916	3724	9758	9094	18282	4254	0.106966975
1194	4685	2720	5122	2393	2100	0.030368232
520	1002	657	1227	728	901	0.033065259
7049	7993	3453	8921	1734	4683	0.212783664
6231	8203	2354	5789	1209	2228	0.215332635
39680	37973	37890	25425	9705	31071	0.456487064
37030	68849	42819	63250	20657	25661	0.581291478
13591	12348	9795	17175	17213	7968	0.217911932
53949	62481	39135	89167	60494	26403	0.739368052
3505	2262	3363	4286	977	3082	0.03050167
4998	3224	4314	5119	1480	4062	0.075189236
5403	3693	5294	6782	2213	4328	0.042566399
1104	390	1359	1326	576	891	0.009709973
1996	854	2620	2605	1573	2016	0.022110733
1845	729	2234	2210	1428	1713	0.020755
1444	820	1670	2462	1263	1392	0.010164775
31914	32453	31702	39939	23289	31934	0.290395376
1810	2018	1690	3002	1116	1354	0.040150663
231	128	281	293	233	354	0.000883388
839	319	1162	742	639	1190	0.00447001
256	132	270	528	314	339	0.00222121
1558	884	1062	1839	916	1127	0.033135878
410	236	330	410	335	402	0.004600912
420	292	493	717	636	569	0.005068108
285	265	367	652	466	519	0.004050347
292	202	338	479	384	419	0.002445642
71	104	112	188	154	168	0.000627962
12787	9699	14533	15064	66383	7152	0.617774287
163	1864	217	776	432	512	0.002055494
71	481	65	252	129	205	0.001801719
184	1180	283	895	447	446	0.001814498
121	396	194	352	205	270	0.001000268
1103	1839	3005	4643	3208	29993	0.634934754
1364	3635	6360	9286	1197	2223	0.021207756
457	1721	2688	2829	575	962	0.009436606
125	484	702	803	190	336	0.000825035
80	435	474	492	123	225	0.000838169
301	1341	1504	1528	451	899	0.005200134
391	1976	1648	1788	813	1122	0.006912638
79	590	616	469	203	260	0.001382227
202	2171	1076	1952	628	684	0.004304877
715	1961	2264	2713	2148	1148	0.010783241
373	863	976	1115	279	456	0.004461048
413	1850	1049	2039	315	486	0.013657652
899	8605	2622	8398	1243	1550	0.033148295
297	4065	920	3497	668	833	0.01141836
242	6219	1026	5232	555	619	0.02483145
1479	3832	1437	109993	145653	3523	0.010629177
1019	476	864	2240	1925	1122	0.049600629
7489	14815	4718	36250	17621	5689	0.038747117
712	1187	595	1843	898	806	0.013384238
1867	5602	1088	6877	1165	770	0.01355205
2284	3593	938	12016	2066	723	0.023210461
112	142	119	616	355	259	0.00498767

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5403	3603	5305	2435	1158	6331	0.053509742
1392	1483	892	2336	1646	826	0.03229953
106	165	172	451	373	353	0.00210072
718	582	1357	1750	1219	961	0.00591652
302	926	355	1654	807	447	0.007960588
933	792	1147	1306	896	1543	0.007707983
232	261	741	668	428	488	0.003430364
362	415	1137	992	587	706	0.003335787
26	63	33	98	18	22	0.000158203
1580	1137	1382	896	446	1790	0.008686298
682	358	332	303	245	468	0.003597708
1079	2744	844	3538	849	1126	0.004295509
167081	137374	80823	104361	49341	70756	0.040413536
1170	1021	3638	739	433	1182	0.00780942
2372	1946	8136	1528	840	1930	0.011678488
1529	1872	7225	1694	727	1643	0.013480251
49900	22266	46893	44368	15594	29688	0.332443542
22313	8464	20570	13466	5641	17701	0.17737804
45819	18591	40491	28616	13082	32980	0.362091931
31932	9808	22537	19336	8760	19429	0.165343768
4725	1855	3830	3365	1595	3133	0.024158785
29957	12564	49926	21015	12435	32762	0.020649341
264	967	651	788	384	372	0.005674371
17347	46050	38283	28876	4090	16108	0.245211296
251	529	181	686	164	216	0.001146258
35	51	76	195	119	140	0.002623952
44	117	126	59	32	58	0.000135281
55	131	82	94	48	51	0.000479773
607	547	1126	359	160	722	0.007201312
71	85	330	233	327	258	0.003091945
7	25	10	61	28	49	7.02022025028546e-05
50	47	122	106	94	141	0.000555439
13	27	31	46	34	31	6.49615891819789e-05
1295	454	520	381	186	355	0.002422495
4	1	6	10	10	6	4.45008390415456e-05
1015	764	7855	2369	1330	2493	0.017397613
2	6	1	11	5	5	0
15190	9074	2671	10268	54303	7739	1.330009965
13325	12676	2290	29322	2296697	8700	0.200151064
9	6	11	28	24	22	0.000244958
16	36	29	92	113	68	0.00141349
6	6	11	23	36	31	0.000389782
22	52	24	55	107	33	0.000331674
5	12	1	25	25	15	0.000115839
28	11	14	42	175	20	0.001656251
14651	8731	3194	11047	60934	8924	1.203462084
2401	2339	1795	7203	42561	5144	0.099404649
2545	2848	1897	8853	46049	5521	0.088850031
2082	2085	1654	6984	40821	4917	0.08216143
38484	25427	3374	41313	3127701	13197	3.018381389
34125	22574	3278	36973	3003258	12329	2.350028971
10277	11018	2230	28569	2255158	7723	0.175943285
12820	12410	2297	29219	2298964	8374	0.219363741
165	147	531	247	345	341	0.003533056
4	3	20	10	10	35	1.65494132061999e-05

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93	87	287	100	297	191	0.039632356
27	20	93	20	147	137	7.94822342787951e-05
17	18	51	25	63	40	3.90092539791477e-05
102	34	76	60	227	108	0.000351027
29	20	66	22	81	49	3.90213303845367e-05
19	12	57	16	50	38	1.95098742625246e-05
25	14	34	72	43	64	0.029057726
38	16	56	42	47	49	1.98751731215263e-05
469	352	1028	378	975	562	0.000584928
45	14	37	32	18	35	1.65499749188024e-05
103	75	223	78	261	188	0.001203648
4	9	14	9	16	14	3.97468501891326e-05
116	81	323	126	349	134	7.80459891139466e-05
115	64	304	63	116	121	0.000370383
31	108	158	680	295	68	0.000208958
20	28	67	21	69	25	0
11	9	23	5	20	8	0
8	53	62	62	25	26	0.000311272
51	10	68	17	19	10	6.60947275584138e-05
549	293	1094	346	805	931	0.00215956
210	95	378	108	159	196	0.001429054
147	167	237	303	255	136	0.000136601
537	230	802	252	246	395	0.001423113
45	11	51	26	42	38	0.000233916
2	35	83	40	1	2	0
171	63	386	105	108	252	0.001203912
52	9	31	8	25	38	0.000155937
5	4	12	14	18	31	4.96577976391525e-05
342	51	190	115	103	261	0.000596086
11	8	26	7	24	19	7.8015099836975e-05
339	126	470	154	272	404	0.001353615
14	11	23	8	28	16	3.89992575800665e-05
53	81	189	86	91	72	0.000155989
12	8	44	30	26	43	1.98715388494659e-05
19	13	41	39	47	36	1.95055920294859e-05
113	28	114	36	110	106	0.000676679
43	10	74	31	46	65	0.00011698
87	86	388	119	226	190	0.000273187
93	49	212	79	201	112	0.000253661
331	261	650	673	298	333	0.004551382
1	6	8	48	17	7	0
32	11	31	29	50	32	0.000575859
41	27	72	74	65	67	5.96295489802406e-05
246	163	483	157	495	335	0.000643588
367	142	493	241	456	359	0.000780019
66	50	197	51	102	92	0.000301026
12	6	17	7	20	11	1.9506413415273e-05
15	11	26	6	12	30	1.94913212340266e-05
15	6	38	17	52	37	5.85246929315853e-05
10	10	39	11	23	16	5.85217354165966e-05
17	6	30	13	14	24	0
86	117	394	138	95	393	0.000376353
29	62	41	266	87	74	0.000885508
5	31	98	10	18	27	0.000233885
84	118	296	98	101	241	0.000115854

Sheet1

137	83	215	89	168	203	0.000253445
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Sheet1

FPKM.Sample_2	FPKM.Sample_3	FPKM.Sample_4	FPKM.Sample_5
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62.46212103	39.2315	46.22528569	74.65658361
83.24335536	96.63930172	96.84407571	143.4225478
47.32613023	68.46450445	80.90734228	94.33097315
61.25550269	31.62032307	21.6819444	17.63721783
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31.75313242	28.62772018	22.92832726	6.063962429
4.231227809	0.589419339	1.0783481	0.445047213
2.633329738	0.274762322	0.683853119	0.254383194
4.259179679	2.843729264	5.3167256	4.397455071
8.199682252	2.898272139	5.697977136	9.156071579
54.78682607	73.17950583	58.1711211	50.96035435
12.97586241	11.06832414	8.300758154	9.032086809
28.06082909	27.45644234	25.12063737	24.87322431
26.1178596	22.60598982	31.49020454	33.09714565
16.49805048	22.35443529	20.89946373	22.7127692
12.11659895	13.74906406	12.85140502	19.66210838
6.013117177	9.044860061	7.8748402	11.09202689
5.458042275	13.6814856	8.359169307	9.884716553
2.040038657	1.537289609	2.10833894	7.265884835
5.480933169	7.475516901	5.269234363	4.383624683
0.249416748	0.325129149	0.522909187	0.555431687
4.690388369	6.167586735	1.651431852	1.814564925
0.063846073	0.029150355	0.061545828	0.070603585
0.538488388	0.305582835	0.256378618	0.470738203
4.085823758	3.709387945	2.213775919	5.805082123
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55.5173105	3.175409475	49.84745864	5.265785648
19.67954249	0.921763064	10.32675676	1.645904261
9.689489607	1.677560445	40.41456478	19.81822332
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14.75527784	1.63611864	39.59429213	17.25550074
0.269178248	0.573603142	0.125282252	0.112332998
8.718938423	29.60054659	4.756493962	5.775972014
0.2820941	0.175327912	0.222137515	0.249124559
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0.821939938	0.548881224	0.977125867	0.544623172
1.296054242	1.252449945	1.633118858	1.094113377
2.835199047	3.753519858	2.28631679	1.448124717
0.72348861	0.827589732	0.678174376	0.199482547
0.257659288	0.559053101	0.316861418	0.368563865
0.550706905	1.168169514	0.483196046	0.480101848
0.606739744	0.863945207	0.496131033	0.418699852
0.899215815	2.022742746	1.086769925	0.800662203
0.835803862	1.701079563	0.883009572	0.784521658
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0.429677273	0.582135554	0.606965828	0.438606581

Sheet1

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2.947560195	0.42051067	0.552031133	0.4949982
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0.097446668	0.235091237	0.359247063	0.371877332
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0.149450955	0.396741806	0.427095488	0.41600252
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0.33198251	0.860537124	0.430290794	0.279227017
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0.104163238	0.083365606	0.147893698	0.179843247
0.07847944	0.100521243	0.165132552	0.198045958
0.051382428	0.065357843	0.133781297	0.094025391

Sheet1

0.091605993	0.166183535	0.238695697	0.197324307
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0.099542834	0.314115807	0.053056006	0.119769764
0.994090096	0.276148305	0.265804213	0.279234922
0.118236558	0.229324589	0.111044567	0.12938939
0.406920924	0.511125732	0.239220831	0.327119945
0.220015943	0.174256155	0.076155209	0.073382228
90.80583747	7.117685618	2.402873356	0.941639889
17.45983264	1.066927172	0.702982415	0.21097617
0.095030159	0.027244178	0.02922734	0.019274015
0.382385014	0.239132735	0.255422044	0.204365774
0.099232473	0.015851062	0.045872485	0.02806591
1.156624206	1.444591109	0.740457453	0.601811569
0.002085063	0.005015696	0.00256756	0.004450872
0.113943256	0.477066872	0.199896015	0.485799195
0.1111192176	0.352071498	0.184505495	0.4092981
0.115356618	0.249439089	0.154417641	0.309425861
0.268887863	0.222394907	0.257965834	0.346362863
1.026031086	0.250200201	0.238153844	0.389588474
0.44392312	0.302789833	0.301883842	0.261141289
0.468382448	0.574199112	0.469809724	0.43376798
0.45318585	0.476453454	1.038045744	0.469345591
0.179316203	0.085237174	0.171786035	0.135209993
5.821790263	3.455998739	8.94772015	4.667074847
0.064553615	0.06411434	0.149026911	0.041020417
39.67049808	40.57460014	2.296704254	1.058941486
0.085935939	0.044242595	0.010843136	0.027926619
0.256842084	0.201068058	0.427117903	0.297936213
0.079262827	0.115553264	0.084442781	0.123618074
0.001684935	0.001008926	0.001731418	0.004092843
0.074355009	0.111214439	0.139226918	0.201032465
0.007294852	0.005272183	0.013538047	0.011662717
0.016923088	0.017646366	0.028284794	0.032090928
0.063904711	0.140993282	0.186096559	0.191929414
0.098972117	0.302396427	0.319781804	0.272781727
0.004253612	0.00464287	0.008604164	0.004700213
0.088984189	0.068352193	0.102483858	0.083173915
0.422062649	0.197726157	0.283493182	0.174681669
0.435274897	0.222146628	0.300027884	0.213926705
0.351118669	0.330939367	0.386082499	0.284566949
0.228378069	0.290045362	0.20344224	0.386285203
0.773925335	0.817276613	0.587320184	0.624740636
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1.825070407	1.384557735	0.717756665	0.139767248
1.691741227	0.964511982	0.996775569	0.468955091
0.128619409	0.179665207	0.079577991	0.083571842
0.13072791	0.67704789	0.139245017	0.11705307
0.247930131	0.617670022	0.109744653	0.12584102
0.882581538	0.346877814	0.584163826	1.399766242
0.395130579	0.182654883	1.647201339	1.348445413
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0.106526932	0.045919754	0.060065015	0.07157557
0.108133611	0.082753339	0.115676071	0.136847109
0.01588964	0.016529957	0.118169652	0.025593538
0.05316681	0.106757171	0.07693821	0.024384497
0.12592761	0.133647446	0.199462527	0.259116222
0.157850403	0.164381297	0.195535651	0.136137564
0.462951899	1.741080754	1.13643462	1.608487592
0.033715381	0.341397715	0.069726875	0.076506358
0.023149243	0.084713477	0.017337633	0.026104613
0.022104185	0.095218626	0.038707709	0.054770533
0.19089903	1.906661389	0.237731566	0.19832226
0.041632227	0.112577349	0.062272621	0.070108749
0.067327145	0.100724252	0.047198848	0.074844704
0.233337576	0.416951739	0.264993921	0.176046928
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0.411697263	1.243495823	0.318027979	0.250239573
0.062851596	0.254308217	0.067270734	0.045842195
0.003620497	0.020118345	0.008631275	0.014802314
0.056978035	0.278997425	0.098784451	0.117951113
0.21059284	1.520214539	0.504790488	0.484233196
0.024036318	0.142331961	0.047462226	0.039624709
0.01966916	0.073716771	0.035140382	0.030783728
0.019623007	0.089069712	0.024221841	0.013844547
0.013490635	0.05783732	0.024322482	0.017335302
0.446869377	1.92884573	0.654144967	0.576528575
0.38170827	1.06036988	0.318801359	0.266610207
0.112437188	0.364134839	0.168104526	0.20194516
0.065413982	0.151692591	0.045088113	0.114397424
0.035237189	0.027912509	0.02082326	0.018515473
0.099476708	0.236113379	0.192511973	0.186382116
0.069876652	0.151146561	0.133573773	0.108843899
0.084212499	0.290345031	0.257202714	0.206910874
0.089903462	0.241837828	0.135973488	0.141033907
0.069653518	0.238696314	0.134997318	0.171596885
0.164217457	0.663531491	0.213334502	0.089441037
0.117582029	0.301764608	0.084210498	0.04993326
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0.565007349	0.254390832	2.370343564	1.05650924
0.098881837	0.353201105	0.184320096	0.223807867
0.315902463	0.200086384	0.355635805	0.16274415
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0.006881906	0.009533722	0.01828054	0.040553007
0.522250963	0.236720544	0.278910243	0.174169977
0.476520906	0.086337597	0.112182525	0.107748994
0.329375697	0.052637375	0.058680945	0.068324542
0.143092035	0.027742259	0.046517969	0.03548482
0.070071677	0.07920016	0.094678083	0.13764772
0.066413708	0.069540777	0.081384366	0.107293673
0.094702528	0.156979553	0.192890134	0.17393854
0.255020576	0.170961293	0.373871281	0.412360318
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0.015723948	0.024917933	0.009185477	0.014752237
0.099632248	0.624864168	0.247258248	0.29086664
0.0291932	0.11543224	0.043429341	0.059085813
0.025080577	0.072343663	0.031464756	0.061292522
0.05744255	0.369829433	0.197334954	0.257586339
0.088051409	0.434680913	0.180859419	0.22194977
0.203035762	0.333577339	0.177516927	0.233029922
0.49460681	0.081277133	0.127859082	0.10800938
0.187451813	0.032275479	0.039063426	0.039489878
0.222575098	0.024840847	0.033069001	0.029577062
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0.185842385	0.110312496	0.322208386	0.164787234
0.055167426	0.038161319	0.098825173	0.05545884
0.602466365	0.096955402	0.116777819	0.143770478
0.141023428	0.077418277	0.58995574	1.827473941
0.398230442	0.115204283	1.148033874	4.538099947
0.151082142	0.033472402	0.427627245	1.29005545
0.074039562	0.084165796	0.055692526	0.094835008
0.006216002	0.005173195	0.018795315	0.083088399
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0.224222507	0.075827186	0.240748962	0.103345387
0.234507054	0.184051254	0.363429565	0.193094392
0.246361359	0.111296826	0.282314724	0.151562425
0.229676408	0.030652296	0.202449784	0.359960586
0.504132738	0.094326365	0.659843681	0.999056029
0.231678541	0.038790671	0.319047989	0.511505948
0.010030889	0.014930237	0.026215516	0.012958577
0.043416816	0.042069038	0.05030232	0.04953145
0.081055229	0.056436858	0.127190276	0.056627453
0.090522934	0.031997055	0.069462105	0.042595794
0.271796994	0.073275399	0.086136359	0.060392519
0.628357098	0.710218137	0.298890104	0.693057335
0.071432241	0.043030828	0.110311809	0.072678193
0.158102728	0.223002874	0.714586415	0.184102411
0.080187383	0.114143133	0.403436682	0.134096473
0.025273879	0.025588753	0.089711293	0.039430724
0.038362934	0.065798174	0.157692144	0.079797193
0.254107278	0.187094642	0.298085066	0.143029056
0.341571942	0.262632697	0.234348615	0.211542034
0.218417474	0.441142052	0.18717361	0.150713636
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0.632178626	0.088205444	0.722139999	0.178886383
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0.092546702	0.040095929	0.12984856	0.111959997
0.095545662	0.050302371	0.18455607	0.157872621
0.101693047	0.096204245	0.157742863	0.152839816
0.650733401	0.12685738	0.451373362	0.102876685
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0.333601117	0.297012697	0.175912265	0.220153918
0.015504369	0.011792547	0.009807255	0.023486097
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0.232662896	0.042654944	0.071419171	0.026016562
0.511061363	0.145178144	0.275284442	0.145118421
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0.054560633	0.067239068	0.090645306	0.101767009
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0.049357971	0.052252665	0.182545611	0.134107005
0.06298519	0.024145048	0.04182827	0.043668139
0.193646102	0.229468692	0.5297042	0.730132269
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0.046690881	0.03774896	0.110995655	0.097455247
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0.040550016	0.067289022	0.095063994	0.09440021
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0.080432885	0.06444942	0.244814048	0.158936023
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0.035757531	0.01895386	0.045353427	0.035811115
0.073223728	0.169464231	0.121205687	0.09416935
0.007583013	0.02788097	0.031456612	0.022584505
0.19797311	0.39936457	0.17691873	0.159822194
0.109110465	0.256495777	0.103174372	0.123686347
0.018472522	0.042914129	0.024159073	0.035077359
0.115693123	0.218896327	0.178879415	0.210637272
0.339119241	0.168350621	1.099120692	0.027858244
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0.068998122	0.241672836	0.189081254	0.119633338
0.092976659	0.476579675	0.061288115	0.105890832
0.239963973	1.930650032	0.347493097	0.398189345
0.068752661	0.508801831	0.071410589	0.095556422
0.040809344	0.118081582	0.050009329	0.051700621
0.061724576	0.058390055	0.060733455	0.047470849
0.215261175	0.32617991	0.318339274	0.255085403
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0.106866425	0.277063003	0.165182841	0.206228799
0.467851636	3.513280193	1.431211305	1.103010238
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0.797897223	0.389344383	1.305764865	0.59868591
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0.077907266	0.054470659	0.156864038	0.201554293
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0.126656856	0.196549753	0.171051792	0.076120053
0.063094629	0.049554129	0.244415254	0.070754359
0.085639846	0.08116151	0.110071687	0.175878677
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0.589458099	0.333019944	0.34084167	0.390440253
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0.130631407	0.184350432	0.067453808	0.064850942
0.22293305	0.647566427	0.233281329	0.152416478
0.046228572	0.117307606	0.038743121	0.034873155
0.051178577	0.118509828	0.057113568	0.067648242
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0.655852057	0.79194426	0.428127598	0.411775495
0.632175384	0.813658782	0.857248415	0.633864911
0.468395601	0.465710454	0.423288024	0.374572692
0.005843746	0.010426154	0.008812472	0.013837071
0.888841874	1.306441907	1.050054488	0.660218221
0.557986613	0.834812347	0.634025338	0.480974626
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4.513113764	7.689115039	6.314926653	3.875792183
0.122893109	0.065191097	0.068332759	0.109662334
0.617428806	1.19580497	0.936355922	0.797265254
0.22815921	0.568938535	0.4382799	0.424922418
0.426541502	0.602247882	0.483656247	0.461211214
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3.781070953	0.58977031	4.508693135	3.080887116
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0.03526634	0.058483687	0.044849806	0.045122883
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2.70533293	2.568999915	2.756197048	1.769646695
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0.418815938	0.125620304	0.562189689	0.147006394
0.40929039	0.086705557	0.389556822	0.090170483
0.974946377	0.342775326	0.147126813	0.115359175
1.207516343	0.196876869	8.530428806	19.39388932
2.023033261	0.240008202	10.46579715	20.70018292
3.16126633	0.348848341	18.1844669	33.87227654
10.11597928	1.757485499	61.53545657	97.17088987
1.032187085	1.702540951	0.792554512	0.951077196
0.527014948	0.537881259	0.25450922	0.292870518
3.289247728	2.237209593	1.837007002	3.37506637
0.29788301	0.391575765	0.220121401	0.264183241
0.508144871	0.557760724	0.278606837	0.353073943
0.171436303	0.242628999	0.134827387	0.123160178
0.234104197	0.205771052	0.107321335	0.127265891
0.223482618	0.427151921	0.126982698	0.203494822
0.062044059	0.119242319	0.059236049	0.078535301
0.453127297	1.053053754	0.409871582	0.71149404
1.05974206	2.731549568	0.920559906	1.461095104
2.655638943	9.112632478	3.387808276	2.956561881
0.890647533	3.06575518	0.643106791	1.18020081
9.714722211	7.779457326	2.960431252	0.689119408
3.093150319	1.503179448	0.472733346	0.140197804
0.551948817	1.59536261	0.144525831	0.147767549
7.931951104	22.70805065	8.901913876	12.87192983
4.165391297	17.23070386	6.57139484	7.650593317
1.406869552	6.267559054	2.516913205	2.243066977
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2.868072145	13.94214789	4.052612984	3.844660047
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12.85968939	24.04630179	9.859730914	8.268596911
0.872042279	0.217404475	0.441976172	0.352645227
1.801685832	0.301537693	0.496878053	0.442233299
3.389123556	1.3723447	11.14019342	23.99202627
0.206181089	0.183897813	0.23993644	0.19251817
3.746841192	0.19352997	0.212361552	0.149789606
2.690000602	0.473394727	1.933807991	0.598839213
0.014562334	0.004878409	0.012340997	0.007994066
0.153242501	0.073131897	0.095352797	0.091206464
0.109238724	0.203257591	0.075245299	0.09683592
0.035405217	0.031675412	0.017598043	0.026506334
0.037153757	0.050999459	0.045495161	0.032125265
0.295441555	0.539221691	0.19329652	0.113151496
0.099058171	0.175340917	0.056200602	0.021848742

Sheet1

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0.895346346	0.7118793	0.618576288	0.415796552
0.889504006	0.206636664	1.076010198	0.959404687
0.357687358	0.108101552	0.655309705	0.57095677
0.27175072	0.060953265	0.325899973	0.381781369
0.316113805	0.138997	0.225277873	0.13419028
0.866450092	0.27007031	0.59631505	0.444196975
0.980104688	0.21261627	0.962331893	0.374653535
0.019449516	0.048010638	0.077119232	0.064594004
0.293056085	0.395837722	0.777016302	0.835610342
0.018437153	0.026414136	0.037815909	0.060704225
0.042862375	0.090996028	0.129835983	0.087031801
0.018721779	0.054871467	0.057155482	0.045434265
0.009403911	0.019204673	0.012030369	0.013579485
6.475677724	0.262039169	6.688742447	0.349347478
1.130970857	0.876136644	0.947689086	0.826169066
0.091350924	0.19259942	0.056169357	0.064509327
0.121885501	0.2322079	0.059844214	0.064172672
0.142645796	0.227905714	0.083644649	0.059568214
0.446302325	0.586916189	0.199981998	0.231559412
0.093988767	0.032841743	0.04242678	0.035516507
0.100832856	0.052323106	0.103590425	0.046765489
0.403349653	0.160420454	0.154560196	0.538498607
1.603279635	0.931365517	0.601423034	0.731599524
1.957011969	1.158812517	0.900637315	0.84287032
0.105149103	0.318559513	0.268707317	0.256214232
0.123965063	0.57057557	0.451031498	0.333716711
0.155641268	0.542970513	0.474957726	0.399586353
0.532633062	1.001750942	1.533274853	0.816812576
0.217104401	0.050035767	0.424542733	2.734997046
0.088298239	0.017431641	0.229877835	1.915573079
0.002819114	0.006190882	0.007261642	0.011681632
0.14027499	0.310326424	0.125923896	0.109952812
0.019120445	0.049315871	0.041264728	0.022500899
0.045360462	0.107224767	0.065489261	0.066938588
0.023823605	0.044580803	0.020332085	0.026962123
0.02056287	0.044925651	0.026518148	0.034006757
0.00744813	0.006765297	0.004408048	0.00370356
0.024770673	0.027146537	0.018606121	0.021296969
0.016941065	0.010549004	0.007680124	0.009615668
0.017058764	0.019884289	0.017631767	0.016607145
0.01723279	0.030931225	0.032358554	0.026069565
0.01602679	0.016659881	0.019365448	0.016602652
0.047184649	0.085687289	0.063020565	0.040611666
0.017980633	0.023120028	0.013917492	0.011020601
0.049659553	0.068270431	0.048411974	0.036271817
0.31686478	0.943338259	0.379697161	0.86120172
0.790141378	0.4264725	0.179034596	0.499765996
0.102278394	0.072123746	0.080784889	0.107452279
0.550630726	0.317174675	0.307753087	0.519987172
0.110408469	0.048807346	0.056109254	0.098943397
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0.134630389	0.164748193	0.067445667	0.047144052
0.147858951	0.079711663	0.074683424	0.067866136
0.209585583	0.107415778	0.129294449	0.067917943
0.274349116	0.195655903	0.187855197	0.082464152
3.732980354	1.807868606	0.60781228	0.711744959
0.500671563	0.455191503	0.852365538	1.476203966
0.125602303	0.029523	0.127645601	0.111416134
0.832729026	0.203982966	1.042810716	2.246191023
0.094032391	0.04164703	0.045481217	0.053407204
0.029781471	0.025445458	0.038283128	0.023395193
0.022795345	0.02579316	0.037457784	0.040442806
0.172232386	0.202765875	0.328976424	0.243519809
0.021290407	0.031645771	0.047837525	0.037899922
0.01804203	0.032604829	0.032703526	0.029360766
0.089797439	0.075227977	0.147640345	0.105454285
0.02393605	0.013735987	0.034666683	0.01847287
0.064170079	0.088101317	0.159331285	0.074032418
0.802671465	0.15895553	0.813297197	1.120802517
0.062797205	0.233779697	0.179256093	0.09894592
0.01730777	0.076555919	0.045017513	0.043013296
0.020089629	0.090368842	0.053256778	0.083781814
0.920325875	0.403867126	0.539441861	0.435481822
0.068092419	0.026615047	0.164548219	0.081475178
0.162028844	0.109645999	0.093977921	0.159089052
0.486134835	0.645443889	1.550681846	1.799661275
0.828959289	0.546429012	0.335468002	0.452071279
0.3171571	0.295159756	0.287791392	0.273240995
0.251745752	0.249337824	0.233649656	0.202722314
0.106999956	0.10486355	0.093969155	0.067142424
0.37981201	0.578422002	0.620097685	0.667510674
1.32041691	1.316462156	1.189297344	1.017890044
0.407858288	0.306133929	0.272767596	0.112141789
0.000739315	0.000890813	0.001659524	0.001706817
0.459297213	0.242494311	0.301671146	0.097703141
0.226904532	0.150631758	0.151836916	0.094877987
0.199652379	0.336339628	0.600386012	0.10687541
0.160196848	0.109854325	0.109278851	0.052005682
0.157615062	0.06033331	0.073322198	0.074911869
0.128811861	0.053681462	0.057149491	0.063565677
0.039406699	0.032481755	0.023685877	0.037875773
0.463969096	0.134935916	0.458832791	1.750375819
0.695913712	2.140456918	0.608325625	1.088904538
0.077035948	0.235808312	0.119851731	0.247042998
0.205834403	0.138443151	0.127820666	0.107401054
0.095360914	0.035950537	0.391984106	0.64610753
0.245061093	0.134111802	0.224854464	0.293550511
0.066180626	0.027944671	0.052227329	0.067099882
0.172116145	0.125860058	0.174077408	0.151164544
0.193990128	0.300847609	0.157560555	0.154677076
0.269359632	0.490529741	0.308307467	0.245469882
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1.149331074	1.611611893	1.422371572	0.428691366
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0.040936076	0.016193602	0.041979904	0.020350284
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0.411415235	0.142621475	0.095991024	0.104273738
0.002251903	0.002466033	0.001264092	0.002900259
0.297203592	0.133209327	0.181868813	0.183255881
0.488581566	0.253277809	0.567991082	0.391670764
0.109822919	0.092535858	0.129004136	0.122507554
0.136246753	0.119758587	0.191225825	0.274252719
0.060931731	0.072523868	0.095926307	0.117296526
0.118415305	0.038743937	0.037069767	0.037076602
0.007067475	0.005144822	0.005291185	0.007550864
0.285341681	0.401619125	0.176451393	0.274228847
0.118518478	0.2150453	0.128561807	0.118735806
0.02981317	0.047195462	0.058071456	0.04973969
0.046763078	0.015235075	0.029251859	0.049482888
0.086081605	0.089357904	0.116927575	0.079908106
0.279560882	0.685706067	0.391515331	0.248405555
0.163479645	0.458050149	0.136788224	0.206283209
0.475932646	0.165348532	0.551279794	0.64964849
0.344568952	0.164201444	0.5501939	0.56929709
0.851473662	0.472805511	0.154119044	0.148024138
0.125973291	0.084453671	0.056251502	0.041169292
0.197559778	0.288683626	0.157979514	0.149279234
0.003546354	0.002457395	0.002951996	0.003242777
0.203496512	0.132637309	0.138210865	0.063494283
0.351471862	0.385815403	0.529927118	0.13713519
0.024943217	0.011876844	0.017774076	0.019471439
0.085439723	0.017825387	0.048692819	0.042460172
0.025333872	0.034789744	0.03053264	0.036880363
0.142826999	0.127145353	0.298388392	0.096917583
0.101102271	0.10487519	0.107996434	0.058827105
0.101750571	0.148269941	0.063526231	0.024636812
1.042733292	0.732982952	0.214993924	0.324550379
1.621375442	1.387356917	0.49033247	0.638688514
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0.16223242	0.367346777	0.139286484	0.294842838
0.866432378	0.401111981	0.537921611	0.553317855
0.044346022	0.067735181	0.075440074	0.105078919
0.065117554	0.056931511	0.085428738	0.096579314
9.101804552	3.37390443	4.437027388	0.502715938
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2.053247793	0.387338072	2.482759395	0.131777339
0.157467026	0.022369412	0.054118444	0.114406597
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0.249048718	0.064990836	0.068998306	0.023541064
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0.010091598	0.01192337	0.008767183	0.009958271
0.059649411	0.092293348	0.077172375	0.058861494
0.067582784	0.086954151	0.074415117	0.046344271
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0.237727534	0.197161242	0.093937708	0.061646377

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0.325353682	0.523046896	0.179770816	0.129395549
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0.088782664	0.09696161	0.109870567	0.294289314
0.153892011	0.209192026	0.262229607	0.389251165
0.099362342	0.069247946	0.13217528	0.074598388
0.149093263	0.088882924	0.161166863	0.142524744
0.00674772	0.003161837	0.00553484	0.004621282
0.122732103	0.027011787	0.164066937	0.115823275
0.002880445	0.003108778	0.003496327	0.007130462
1.877230332	0.716743347	0.355340286	0.110628603
0.272913946	0.254530058	0.098276916	0.077632151
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0.0004068	0.000779801	0.00110206	0.001417494
0.036062948	0.034355498	0.039969599	0.033131247
0.023937267	0.016606668	0.024330603	0.023077976
0.020891231	0.02458721	0.02869742	0.023435825
0.034488464	0.048915147	0.066972403	0.038643055
0.071159875	0.130298091	0.061189337	0.047101034
0.146267679	0.186181983	0.063845986	0.087426768
0.017054826	0.019288844	0.014258383	0.013032249
0.191085413	0.254731855	0.215223795	0.119977409
0.132707598	0.146738892	0.204177678	0.066813573
0.384395392	0.749556704	0.604967325	1.083277921
0.234841823	0.191372749	0.09160652	0.11847695
0.035612935	0.06434977	0.023293087	0.036458521
0.019816785	0.026633812	0.012669587	0.025675171
0.325430551	0.911669938	0.26974263	0.416991522
0.132641503	0.05073997	0.068478133	0.094635522
0.086327052	0.013614807	0.078610294	0.19154219
0.230833398	0.11876486	0.09552109	0.066639944
0.018643432	0.018553357	0.031028406	0.038738913
0.012562279	0.011148965	0.030218416	0.016454049
0.995314942	0.134971965	0.398810047	0.238681127
2.146449906	1.152107331	3.999500814	5.94557268
0.004579785	0.001782136	0.010898758	0.008595632
0.577938632	0.507847784	0.650387424	0.382803968
0.003244111	0.004179468	0.009031381	0.002970764
0.0564561	0.024155948	0.080351822	0.042389308
0.133655473	0.065070128	0.124973891	0.11773087
0.028528215	0.023545734	0.029490562	0.036034248
0.503668847	0.715872179	0.48650848	1.104755888
1.78200089953204e-05	4.42062747159831e-05	0	3.6920606768609e-05
0.463326815	1.022165996	0.60520692	1.357399951
0.693443691	1.323002223	0.849737169	2.273967913
0.691254112	0.429841226	0.208277033	0.229436691
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0.094246453	0.071799722	0.033105331	0.035855419
0.140723982	0.17249265	0.087668646	0.112293241
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Sheet1

0.002022212	0.001177792	0.00114331	0.001530168
0.509111112	0.330135592	0.617214104	0.941010838
0.339350551	0.166399717	0.312936948	0.576865413
0.61336279	0.307191021	0.620986534	1.130058503
1.137697696	0.290983607	7.0921386	14.15277292
0.11653137	0.09650456	0.08599527	0.069783025
1.311227386	1.498180747	1.791654626	2.763305407
8.484981405	10.19801806	7.405900243	15.02045926
9.005214359	7.303845904	5.690758568	9.856395005
3.84740256	2.59667664	3.539433095	3.020524931
3.804528814	2.751298147	7.022995704	2.911962879
5.448758814	2.487063043	6.934788066	3.858678032
3.655161187	1.182954935	3.629517976	2.231024167
0.616706822	0.323916796	0.510036243	0.108855582
0.442076735	0.126738747	0.260148778	0.274748091
0.491097005	0.495343532	1.254934953	0.962959446
1.124861652	1.228893591	2.481238216	1.891096846
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0.038778691	0.104689304	0.018869122	0.013118853
0.02831667	0.071476333	0.013488424	0.008224189
0.095361466	0.455831122	0.050650073	0.038063445
0.001400323	0.004109245	0.005274037	0.006014841
0.017458214	0.028914845	0.086871033	0.044480097
0.057394677	0.073558537	0.134515679	0.055818158
0.815261608	2.083484755	4.691592135	14.32787208
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0.021026939	0.034341208	0.031046268	0.0393275
0.006532949	0.011474264	0.006402511	0.006365472
3.625830261	1.789954524	1.177106067	1.158619223
0.03286579	0.020654392	0.042006967	0.016377335
0.046969389	0.043046254	0.075077894	0.026108664
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0.053619834	0.037008951	0.097736882	0.024706675
0.069887219	0.006671281	0.022630476	0.009228265
0.098415316	0.017298624	0.136790512	0.107051682
0.501504686	0.073539258	0.282857021	0.055019917
0.136992343	0.02617021	0.100460038	0.021127351
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0.223988123	0.114288711	0.121098396	0.0907095
0.284949722	0.139577466	0.971391676	1.096601555
0.253378912	0.200438511	0.1570811	0.111764106
0.522867337	0.537982112	0.256928667	0.128484864
0.006653647	0.028171498	0.009441851	0.008533844
0.041977458	0.070992873	0.03497368	0.03620362
0.00317954	0.00755715	0.0060431	0.005552873
0.036612749	0.08145832	0.044568973	0.028157576
0.022265807	0.014644084	0.014280426	0.009818918
1.007846779	0.149918278	0.443978959	0.061435524
0.351944239	0.052221336	0.138775142	0.015363098
0.908220949	0.110131644	0.284762078	0.04041111
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0.22325138	0.704133368	0.462097188	0.457160564
0.519146585	1.318159325	0.918052279	0.820436536
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0.021264843	0.001546738	0.009245801	0.002651629
0.058968437	0.04100004	0.110450082	0.134222249
0.05751716	0.088994507	0.15196378	0.193664365
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0.070971026	0.093905991	0.047712707	0.261555038
0.027354235	0.039192405	0.0253797	0.085146576
0.073065254	0.143701367	0.123337668	0.261068345
0.862429617	0.239052124	0.523310816	0.68275453
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0.078899452	0.149616426	0.028875079	0.043896896
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0.138510333	0.398303887	0.081346109	0.109542709
0.006206989	0.011859878	0.005663644	0.002518282
0.069880744	0.135210385	0.039855471	0.022625536
0.779188743	1.630979419	0.368276225	0.200188009
0.233922285	0.915151948	0.126183443	0.118386402
0.153834253	0.833047478	0.077419186	0.071585652
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0.554681348	0.255422462	0.559534063	0.211590115
0.04879838	0.073511722	0.041972214	0.038472729
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0.635011279	0.4227272	1.307863813	1.975681863
0.106179354	0.047307614	0.097188994	0.211068291
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0.067151569	0.080949452	0.082158771	0.138465663
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0.138873347	0.306094502	0.228157832	0.127955438
0.019061519	0.026467576	0.013503045	0.011910541
0.150337143	0.213476817	0.147458051	0.105024035
0.105254069	0.132858017	0.109236723	0.110204511
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0.021308321	0.011615806	0.003899842	0.004981798
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0.109401007	0.103638686	0.220641822	0.063590268
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0.256586165	0.035700669	0.190360086	0.105552164
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0.028935106	0.015921748	0.022772367	0.012354576
0.083457654	0.243569691	0.174291522	0.466217797
0.255952212	0.307674954	0.297428457	0.649423536
0.030322747	0.012943426	0.009464337	0.007614149
0.052576361	0.02622772	0.040262954	0.020872441
0.113701469	0.048163951	0.050064246	0.023285456
0.170079591	0.060364795	0.052737768	0.016482764
0.209549371	0.092338932	0.073397501	0.018586256
1.626387011	0.839343251	0.54860232	0.090237085
0.082843347	0.022313824	0.045527773	0.032737709
0.011694956	0.01021542	0.017240923	0.019979947
0.011457863	0.015139482	0.019977715	0.014813704
0.019918026	0.018274229	0.044325566	0.022011349
0.024063161	0.021403829	0.043392172	0.028917461
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0.088537795	0.141996586	0.165436763	0.239892451
0.226643888	0.113322088	0.341850996	0.585672074
0.122600644	0.045106256	0.1195371	0.266834961
0.049429317	0.02859049	0.022885915	0.032706454
0.128565498	0.04287907	0.081115511	0.078302677
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0.106528896	0.081076607	0.090898192	0.121922432
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0.225290383	0.245627519	0.197303136	0.051692805
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0.357608829	0.034247752	0.274661627	0.008849163
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0.086655542	0.114376124	0.194924984	0.31320296
0.132559993	0.14826052	0.239035851	0.384766118
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0.032983057	0.234194324	0.036112057	0.025286812
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0.014879725	0.003772315	0.007045687	0.012955727
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0.259516967	0.147537302	0.136675399	0.098589016
0.014056008	0.012983468	0.038809116	0.052513843
0.086375226	0.106362906	0.244934891	0.338370111
0.132773853	0.36620432	0.475228827	0.529934795
0.075388314	0.269659913	0.537262518	0.343972677
0.290836779	0.238264405	0.328194582	0.318323211
0.029979215	0.045006816	0.034512237	0.015462436
0.149311088	0.583366468	0.262043687	0.054064354
0.08848273	0.536652524	0.166731849	0.075959779
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0.062006197	0.021407315	0.103814215	0.222980747
0.235761384	0.037988481	0.283942511	0.04779474
0.000322492	0.000173915	0.000493809	0.000464807
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0.997877061	0.621210571	0.916245944	0.895525887
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0.108622059	0.017164364	0.028192151	0.007110174
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0.552885194	0.141956245	0.20439568	0.073514267
0.683829933	0.187123521	0.387086919	0.136384099
0.119881702	0.046388466	0.092477227	0.032409586
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0.151890408	0.075107606	0.259582577	0.046656341
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0.001958008	0.001787738	0.002431196	0.002225563
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0.957653955	0.627210532	0.284153291	0.236411197
0.241723712	0.16097259	0.094431479	0.077526309
0.23822032	0.179154816	0.164165677	0.124259863
0.684940544	0.36349904	0.286307148	0.308948146
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0.038386362	0.023683349	0.04087329	0.071613749
0.793435914	0.334394029	0.213367403	0.160332788
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0.870185458	0.114761512	0.188399469	0.017365204
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0.053120786	0.03536933	0.012534575	0.009482003
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0.044725468	0.008821405	0.042129768	0.013048853
0.025573452	0.008473193	0.024844855	0.011820455
0.053183441	0.016995561	0.043453988	0.018028064
0.194846637	0.027162948	0.030441627	0.020047671
0.078825501	0.028810053	0.031597595	0.022666209
0.115378504	0.042265738	0.096261398	0.043247528
0.142670716	0.097583279	0.032442285	0.017280171
0.107877633	0.019926012	0.020716244	0.032305042
0.030078258	0.043042624	0.010976881	0.009373453
0.004494986	2.470909336	0.008847073	0.009415899
0.002594716	0.809828002	0.003800547	0.007433654
0.093165901	0.158212449	0.114804509	0.123064305
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0.085794963	0.021123357	0.168124815	0.277136063

Sheet1

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0.265299337	0.260432166	0.040706309	0.043932135
0.561885027	1.641298343	0.325861011	0.354988122
0.036706597	0.229051656	0.038775555	0.045732693
0.082143819	0.731874815	0.096886347	0.111616749
0.129449591	0.910982291	0.124331388	0.156491325
0.95147779	1.265447626	0.485038653	0.365761856
2.312474109	3.355099157	1.426961159	1.393033812
0.124108775	0.086485282	0.183222082	0.074083672
0.648400146	0.460024732	0.798305349	0.397519218
0.688252665	0.31957535	0.38968867	0.299293463
0.229036939	0.046200179	0.077452652	0.056219369
0.442444837	0.524676581	0.658646022	0.406079404
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12.47318048	1.064878164	3.256999908	0.375512134
0.14931106	0.031299067	0.151027401	0.168767231
0.118619802	0.296100276	0.153515536	0.072613781
0.236121355	0.368961983	0.114079631	0.072352706
0.018113538	0.017817271	0.016006504	0.036146253
0.012685165	0.026358763	0.021958344	0.057684665
0.012783791	0.053335294	0.020563039	0.063030265
0.027061606	0.097938326	0.042454382	0.12917168
0.010449167	0.030206618	0.022875299	0.037517001
0.079394389	0.302259796	0.12544285	0.21593146
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0.022059607	0.034075367	0.019518628	0.007949687
0.103148571	0.102418272	0.088338197	0.077744292
0.505246961	0.151767744	0.375101077	0.982418009
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0.109136096	0.032619034	0.020262689	0.010182003
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0.277096951	0.374784969	0.464402536	0.728474055
0.081783648	0.229370056	0.042598908	0.042144831
0.023887514	0.006035263	0.038220713	0.014948799
0.18502095	0.180766815	0.157694651	0.090821759
0.649604239	0.897954833	0.381816202	0.243769806
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0.439392399	0.725549861	0.192871346	0.192142098
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0.177563619	0.124942255	0.079975002	0.084019878
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0.171989906	0.356690713	0.163506805	0.167447213
0.477867246	1.604405474	0.391745107	0.582233241
0.174265357	0.092834325	0.15363466	0.254413776
0.046199351	0.065156203	0.062100995	0.171396445
0.147155537	0.204458453	0.151551251	0.467438314
0.121521338	0.199165909	0.171480859	0.39187794
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0.366682318	0.561936473	0.811151883	0.750052487
0.09685516	0.065530691	0.036460553	0.023562858
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0.037259421	0.037246982	0.050751236	0.029074277
0.038511134	0.02804801	0.04291356	0.028325607
0.011838133	0.01624191	0.023483058	0.016263754
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0.353379866	0.811955848	0.305468213	0.355507009
0.168435577	0.234388922	0.130129337	0.197661536
0.180713914	0.317013746	0.226292914	0.239119383
0.526158543	0.843748801	0.480176631	0.544375601
0.510218852	0.870447372	0.525824022	0.438342354
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0.267097925	0.284141664	0.255443921	0.344141416
0.513724896	0.514932027	0.510578744	0.539683838
0.674322218	0.81001088	1.25168013	0.789111993
0.151215332	0.469828031	0.207893629	0.378751286
0.342607117	1.090196258	0.5171625	0.942043461
0.048616582	0.150936775	0.079201695	0.149217185
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0.108060323	0.049180848	0.115251032	0.352590336
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0.333319478	0.362818874	0.2630111	0.153518752
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0.275248733	0.210943691	0.135142888	0.063825957
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0.003188752	0.005569546	0.001704219	0.001460655
0.003099966	0.004409717	0.001350743	0.001257592
0.005947711	0.003225037	0.004343734	0.004376964
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0.00079039	0.000564045	0.001818588	0.000336489
0.001537161	0.000859324	0.002551375	0.000919551
0.003256705	0.002227748	0.004132901	0.0041471
0.005927399	0.00501766	0.001728859	0.002756447
0.000140596	0.000107316	0.000322289	0.000604998
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0.006940383	0.00088499	0.001464342	0.00078393
0.063508034	0.036424579	0.016888806	0.009961392
0.012012481	0.008950564	0.00184371	0.002842448
0.01984896	0.011921427	0.002662304	0.003624667
0.004923664	0.004821388	0.002661883	0.003959658
0.031845002	0.031165906	0.060941926	0.039725604
0.13772786	0.148636173	0.113463711	0.184569432
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0.067185804	0.015042572	0.040573469	0.006014391
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0.75268712	0.327847416	0.250807089	0.218887358
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0.039955037	0.01802366	0.088703893	0.024209218
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0.000337258	0.00024607	0.000859919	0.000595995
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0.396907993	0.394164853	0.174322407	0.091006172
0.142198729	0.149103139	0.148910063	0.061126247
0.181202777	0.181908943	0.119429408	0.09086617
0.298496968	0.066788502	0.20205027	0.114449427
0.211621136	0.055587725	0.088381416	0.103906418
0.194910539	0.112242282	0.218875694	0.157855873
0.361187429	0.227778253	0.359347819	0.352001584
0.175296838	0.159386074	0.057761542	0.078619481
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Sheet1

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0.073284604	0.049557108	0.04605352	0.069979948
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0.581380638	1.492030314	0.451578785	0.438409469
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0.000702756	0.000215226	0.000305553	0.000647117
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0.000289876	0.001262089	0.000544902	0.000943772
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0.028242365	0.035389584	0.030550075	0.037928425
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0.06263393	0.203558591	0.037177698	0.013568525
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0.014758931	0.024068062	0.025630746	0.02149021
0.188595867	0.544575419	0.159119343	0.128571771
0.344973385	1.606159902	0.577878571	0.326747875
0.046461957	0.046336597	0.04699033	0.072069304
0.051712553	0.030443198	0.035218401	0.047141197
0.100792574	0.038032671	0.056131467	0.078985564
0.099501657	0.03066876	0.058559766	0.079018712
0.118289922	0.429659441	0.283499621	0.058074149
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0.149733118	0.95227832	0.270511938	0.097511166
0.057466372	0.307008744	0.098190988	0.043446444
0.117692221	0.535512093	0.161702261	0.080072437
0.155594486	1.190695474	0.328914332	0.125658505
0.098617648	0.479127044	0.14273278	0.086219823
0.133522608	0.864945885	0.249784181	0.113222319
0.079271058	0.840423242	0.233032926	0.108305245
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0.057064544	0.422058119	0.100392185	0.063291607
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0.144647864	0.731338439	0.241509007	0.167830053
0.19138423	1.20745005	0.380062024	0.24556958
0.103325515	0.572318102	0.170124522	0.127180359
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0.061793221	0.11688121	0.074172106	0.066969469
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0.044182475	0.034972676	0.098133238	0.077735032
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0.020063174	0.014767975	0.030999054	0.023968389
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0.059351717	0.026156741	0.01924954	0.005857901
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0.015963209	0.02514181	0.009233281	0.007235935
0.006421086	0.011139057	0.005717344	0.0062099
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0.05059331	0.048664975	0.025632811	0.029063227
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0.043857233	0.064310607	0.046311169	0.023619642
0.016391695	0.022950919	0.012819503	0.011077368
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0.005951612	0.004198619	0.010467439	0.00917033
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0.032091381	0.025873399	0.011962794	0.007612715
0.028046614	0.032853591	0.009475301	0.009646867
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0.01723121	0.01264252	0.015311815	0.04555786
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0.000394702	0.000156662	0.000327914	0.000577889
0.01277197	0.006798654	0.015248145	0.010266467
0.727169347	0.632713485	0.679102837	0.221985118
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0.00152134	0.000520552	0.001023257	0.00182599
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0.009593334	0.080958868	0.03583694	0.027967579
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0.022990797	0.056490795	0.02481132	0.043636817
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0.000227731	0.000741476	0.00036631	0.000840441
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0.000114697	0.000104826	8.17694312929378e-05	0.000150086
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7.11598237829085e-05	0.00026479	3.85557267254205e-05	0.000294867
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0.000120541	0.000134563	0.000293902	0.000224771
0.005535241	0.006513578	0.003114447	0.005587099
0.005432001	0.008098743	0.004533655	0.007332385
0.000583674	0.002895854	0.002738225	0.004291515
0.003683376	0.007832046	0.003332625	0.007808238
0.000419498	0.000987737	0.000308192	0.001738282
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0.003184808	0.01225953	0.013908841	0.00375431
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Sheet1

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Sheet1

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78.52372158	150.8588231	40.33609246	100.3073608
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26.77701733	31.46604846	49.84898772	43.97407192
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4.697639232	10.65246772	8.456619737	3.824580747
65.44442618	76.11544601	46.63524865	41.03018056
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36.93560293	46.05224185	32.98830412	30.79069754
24.93707977	22.61063921	13.76462531	15.50051631
15.31316092	23.66550556	9.695331391	12.7041932
20.76311875	22.83378292	9.407998934	14.14665928
13.37540284	13.64181394	4.820049916	10.89492048
16.39149476	18.99574049	5.085164866	12.77365001
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5.860442544	5.1408772	5.570389766	7.943897206
0.137353506	0.421097617	0.146347181	0.353412755
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0.211958316	0.3452782	0.302234429	0.364488901
0.552763385	0.94973717	1.051221956	0.787037933
0.220590249	0.261387387	0.256656372	0.26609313
0.600928787	0.987314768	0.852257935	0.761380047
0.893701676	1.756774954	2.270880877	1.229274075
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0.334608402	0.432552861	0.228599014	1.226647957
0.334225328	0.531276849	0.342671043	1.091585054
0.408836281	0.508713519	0.395492737	1.292651459
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0.175080539	0.316930916	0.094272048	0.223504117
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0.199818657	1.777385737	2.031212433	0.593104017
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0.170684383	0.680628479	0.187489948	0.337519974
0.746482522	0.488390549	0.212353022	1.201593007
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0.062629208	0.146473309	0.017174566	0.295386397
0.142982714	0.231392025	0.025525047	0.310841964
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0.197261726	0.660751342	0.539235629	0.38731771
0.221754577	0.338243788	0.095651083	0.830431396
0.113210183	0.383003934	0.045805109	0.458956833
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0.075139028	0.137409373	0.042118313	0.201369716
0.101937004	0.20421155	0.068226344	0.287353523
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0.04702365	0.063525876	0.060629732	0.123776019
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0.153468941	0.367454562	0.283031522	0.303571383
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0.463332093	0.385738914	0.230633253	0.338327908
0.949301757	0.85105067	0.833108363	0.979609241
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0.626240896	1.455596051	1.190202437	0.687380829
0.119811427	0.282413262	0.092794589	0.154423966
1.297620663	0.966593174	0.114727015	0.455564794
3.937872643	0.949423921	0.152553459	1.243745398
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0.071177106	0.247923527	0.399533736	0.183693743
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0.113194126	0.125172446	0.06542443	0.145139333
0.012119226	0.020037717	0.026804758	0.01477276
0.076927632	0.063232753	0.074946783	0.216796207
0.173905182	0.262991111	0.140990973	0.176803328
0.174088961	0.176483488	0.149374826	0.205400789
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0.195822069	0.115480351	0.051634163	0.314956726
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0.152232649	0.069113826	0.016769624	0.180430026
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0.094482355	0.081276318	0.139860908	0.235816963
0.282468401	0.265259127	0.134590436	0.416339731
1.67456748	0.358709563	1.290448292	1.167417038
1.057289891	0.577099102	0.771133635	1.395329821
0.413682371	0.104746978	0.140883851	0.659799673
0.017376202	0.012151305	0.003413845	0.027564844
0.236592148	0.110212393	0.031024548	0.414435473
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0.059826323	0.039802876	0.0137097	0.173783214
0.044859686	0.035979222	0.013781694	0.14681918
0.048906042	0.043163496	0.028111741	0.132064553
0.038650411	0.026174317	0.017670753	0.098558202
0.97548093	0.952181589	0.52090306	1.564810219
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0.257198167	0.459583989	0.108300794	0.44651391
0.129818985	0.26424788	0.057719545	0.260881871
0.085133802	0.035231531	0.061010286	0.206934388
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0.107401913	0.232324342	0.105566656	0.318895579
0.09723989	0.146374714	0.088104481	0.320908069
0.113024972	0.1405267	0.06660688	0.278955136
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0.195321104	0.222805962	0.152190804	0.210865994
0.169144327	0.133668347	0.102311074	0.141894714
0.005677253	0.009885259	0.001330642	0.018836196
0.23660542	0.27728901	0.655632312	0.255426778
0.054056766	0.08615302	0.017822198	0.164357291
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0.032240213	0.035599179	0.03179194	0.071060689
0.053860827	0.085602889	0.016382184	0.131348788
0.0295854	0.068944698	0.00796357	0.08691207
0.070342186	0.115693105	0.025432294	0.17584145
0.270829625	0.180217579	0.181042432	0.201092439
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0.274377599	0.073610324	0.030069596	0.17075286
0.239388895	0.058580914	0.041820163	0.112414339
0.521663693	0.243406122	0.079024905	0.269601731
0.811368508	0.33454509	0.141057313	0.480722214
0.452263603	0.288439867	0.165050133	0.374285292
0.188434417	0.09316496	0.051635051	0.104139949
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0.073415085	0.246602977	0.381988008	0.163735896
0.033407326	0.072987904	0.075634262	0.066445223
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0.064851	0.076108307	0.054388054	0.10229634
0.171716614	0.131800388	0.124646071	0.1661433
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0.104286584	0.154896224	0.082868156	0.134525672
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0.335393546	0.301925266	0.438529171	0.147004239
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0.054997313	0.151433049	0.141445597	0.102345183
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0.138092533	0.166757553	0.235166746	0.105503343
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0.023233137	0.039291854	0.036933083	0.067326525
0.101607903	0.242826868	0.184308362	0.184247826
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0.76253996	1.482771711	2.712689325	0.901898695
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0.057304381	0.057713535	0.026593531	0.116052301
0.022572657	0.020518826	0.016241445	0.023170077
0.027181376	0.051824695	0.040175086	0.078967459
0.030208826	0.010949471	0.042677777	0.030334837
0.105961844	0.136318314	0.10293822	0.272788215
0.053713098	0.033862679	0.032659007	0.05101587
0.026360852	0.038735049	0.061412195	0.057755787
0.211555188	0.184636041	0.151646539	0.447559438
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0.087356961	0.09434518	0.095148201	0.25309107
0.035926386	0.062988058	0.019169712	0.101926623
0.035701742	0.053339421	0.031920902	0.100460331
0.067889089	0.09719864	0.123193948	0.101284097
0.020247178	0.036102204	0.028515607	0.051459808
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0.014933153	0.022659114	0.005292079	0.025794283
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0.13630852	6.695163216	0.573823938	0.218326238
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0.240743398	0.244088458	0.561886705	0.244907831
0.061848104	0.044561463	2.419853853	0.15618906
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0.102370085	0.14509768	0.148270525	0.158911516
0.241361381	0.157814108	0.043069911	0.133028479
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0.285226453	0.2812941	0.434300175	1.067066454
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0.029723937	0.022962336	0.009054241	0.046776318
0.074627933	0.125757655	0.094193599	0.121962622
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0.153437235	0.169665001	0.148888281	0.141445071
0.742321236	0.560258017	1.167499555	0.52730107
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0.142275711	0.27271984	0.280779985	0.136167553
0.120397432	0.186435406	0.143513304	0.138778256
0.332743192	0.510148586	0.426910316	0.356662041
0.381825251	0.476906832	0.557261162	0.281607513
0.025008816	0.056388825	0.020218054	0.054344787
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0.635003028	0.4758672	0.809591409	0.558966317
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0.019250783	0.035792063	0.088400294	0.024149379
0.003139505	0.006565701	0.001075093	0.008699382
0.168219404	0.098654007	0.092291178	0.272802292
0.043400265	0.030187519	0.01729942	0.051393471
0.118637598	0.085273713	0.046784376	0.126370709
0.059490775	0.033482169	0.025713419	0.079460777
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0.015527903	0.007385716	0.011558098	0.015191512
0.037809776	0.026325091	0.029014218	0.039836115
0.020452583	0.01621838	0.016465945	0.025491914
0.020953087	0.024386923	0.013642224	0.030399098
0.026947985	0.031645153	0.019513934	0.051612913
0.014661704	0.03143073	0.026098034	0.030960654
0.051599002	0.087377517	0.08176039	0.080079009
0.015722886	0.021110547	0.014764105	0.033125796
0.042068888	0.069324601	0.057893232	0.076895544
0.699408311	0.426945636	0.345011212	0.494686091
0.396069946	0.333662787	0.210049982	0.372660264
0.101004963	0.122525759	0.090417173	0.060271545
0.334380818	0.495807739	0.349570223	0.324863136
0.065494715	0.077401733	0.073272508	0.072788797
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0.193821334	0.226020413	0.070204126	0.17307327
0.121803268	0.151978888	0.096848178	0.069633554
0.128947045	0.153736207	0.110383039	0.103195626
0.117023692	0.170734428	0.165960615	0.128348248
0.912770306	1.815764476	1.427078552	3.430097216
0.297772499	0.53027759	0.337526492	0.291416442
0.0313036	0.035012436	0.032522394	0.052079536
0.69854237	0.550987762	1.850689671	0.576429353
0.085252949	0.065373944	0.109352644	0.074253368
0.042878061	0.017755412	0.017983163	0.029618172
0.025017553	0.016683705	0.011209111	0.032904685
0.220295588	0.190650877	0.144657993	0.208683418
0.021196355	0.030001436	0.023781387	0.02163878
0.021724889	0.024855342	0.017785501	0.033917506
0.111482025	0.112579262	0.095738273	0.119074979
0.024079208	0.019829445	0.024585326	0.027801787
0.100970733	0.088611253	0.090691321	0.083152939
0.233396468	0.343162575	0.553048123	0.258117246
0.266983561	0.081015897	0.040899581	0.368702173
0.068199318	0.035186403	0.015944483	0.113472372
0.09291743	0.05068286	0.017329777	0.155156793
0.318109396	0.486750095	0.363080641	0.624911465
0.033688477	0.076056553	0.1050348	0.037257617
0.166811298	0.261661142	0.160278242	0.113180724
0.395166796	0.627429531	0.415272674	0.39534438
0.7203933	0.690546556	0.466956774	0.680927877
0.270463485	0.314988121	0.160974176	0.259181402
0.246498445	0.255017897	0.17256996	0.222454114
0.101918756	0.11640551	0.103926694	0.137589519
0.482429448	0.399318671	0.701856268	0.453515771
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0.40909232	1.138926775	0.43450477	0.384928797
0.000894521	0.001893221	0.000825532	0.002435178
0.365840028	0.207322534	0.474246131	0.160772135
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0.395975758	0.147313209	0.267265799	0.252366544
0.188048169	0.121027069	0.149163157	0.211556178
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0.03048505	0.024410833	0.015142304	0.030631552
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0.04894385	0.09062787	0.087826707	0.045776721
0.119860907	0.148750917	0.153655079	0.145737483
0.038949242	0.045213862	0.054722464	0.043977163
0.093571253	0.130420209	0.125316521	0.109750575
0.094971951	0.102876944	0.135171664	0.250883593
0.264448472	0.204340632	0.257156275	0.654450452
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0.159094942	0.208318938	0.184417563	0.264039722
0.001861435	0.008743337	0.001925529	0.002850432
0.094463337	0.171684504	0.167398326	0.112276378
0.26462265	0.434773191	0.486695859	0.20363005
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0.211227396	0.310140622	0.269754218	0.211817459
0.123853621	0.166288937	0.147076521	0.14253892
0.099172731	0.089310845	0.134339843	0.056955845
0.004369985	0.006105149	0.002135921	0.007399061
0.351169079	0.36640237	0.194347483	0.352337285
0.240276109	0.297601858	0.155227222	0.172594972
0.032824866	0.051220957	0.014506385	0.044655887
0.030419918	0.047458158	0.026369693	0.030584884
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0.274398477	0.401748081	0.419917214	0.315918786
0.232603776	0.436054507	0.346181755	0.27768059
2.305807611	0.920179443	1.128412195	1.899689691
0.046620204	0.091381377	0.051018219	0.076664179
0.492651108	0.45267643	0.240252742	0.281673072
0.009578496	0.005629338	0.004793201	0.006066906
0.142978057	0.107687714	0.126421514	0.195862244
0.447225388	0.274323813	0.31930737	0.341629911
0.02075443	0.012887091	0.016573354	0.022110375
0.097609959	0.034275429	0.113429041	0.05985933
0.03324826	0.03615803	0.028002728	0.038087588
0.11256897	0.151455665	1.186661786	0.112726296
0.157460834	0.051116198	0.286464536	0.142945507
0.050881561	0.049872162	0.058988402	0.088219424
0.568643758	0.562411384	0.223666816	0.896826353
0.522734687	0.881074693	0.119756197	1.362775614
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0.261218487	0.312447708	0.06580292	0.377912054
0.534880198	0.463861847	0.413057856	0.493710955
0.082894877	0.105689255	0.019533123	0.077857899
0.082216833	0.114074435	0.037960477	0.073066917
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0.706615993	0.174187917	7.963807061	0.195884766
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0.013413976	0.012744323	0.004739736	0.016074021
0.12184761	0.108863775	0.039813912	0.103004756
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0.083199378	0.124454207	0.036440457	0.104421686
0.200195613	0.238667677	0.081092887	0.212267358
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0.094913919	0.102577998	0.186047994	0.100204793
0.004762497	0.003431372	0.004116137	0.005537168
0.031262379	0.044026232	0.03969286	0.054494624
0.003168312	0.002211427	0.001566407	0.004413667
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0.30649618	0.292141202	0.228520686	0.262390049
0.905127021	0.863012961	0.554575588	0.671294478
0.860110559	0.488459854	1.16696728	1.138596163
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0.000358896	0.000282092	0.000688243	0.000399695
0.015834814	0.043734342	0.013780233	0.068020778
0.011096141	0.031791449	0.010227497	0.039265095
0.013652682	0.056350446	0.012376886	0.040817405
0.021550551	0.121469459	0.027487885	0.059308223
0.139958401	0.079449903	0.066010093	0.147514365
0.174368207	0.151276451	0.116821789	0.242512407
0.040738757	0.022136557	0.034333298	0.02206633
0.179279595	0.137284583	0.11386923	0.206509644
0.096816019	0.084181607	0.125512963	0.098573091
0.381555206	0.478015906	0.31956663	0.414522224
0.256768814	0.198002394	0.111577214	0.211396947
0.079263235	0.063014474	0.026375082	0.069531447
0.056158155	0.036540603	0.015510436	0.04303872
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0.161095084	0.18260947	0.154454022	0.109387968
0.020039096	0.030154292	0.027944774	0.02551461
0.245728865	0.332602186	0.213699085	0.166347409
0.025213919	0.023150345	0.014086834	0.032443719
0.010668951	0.012012313	0.006314955	0.027115308
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0.003612663	0.006096309	0.003877182	0.005079183
0.435821215	0.519803073	0.372645716	0.396440785
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0.038248203	0.035397286	0.067623622	0.044463409
0.081902649	0.113236503	0.141488783	0.074143003
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0.448853092	0.356434929	0.392425379	0.534188557
0.306460609	0.304923031	0.233748181	0.282523263
0.134358229	0.097051848	0.087056855	0.108947605
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0.356738632	1.424166924	1.107783731	0.304652719
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7.143658713	9.893011509	6.344632979	8.848193816
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0.017484535	0.008015667	0.009833222	0.026880655
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0.030652371	0.051970337	0.057391204	0.028350947
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0.021484977	0.017334921	0.255945571	0.036042118
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0.382244868	0.3903682	0.370752999	0.465245505
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0.005081533	0.006475945	0.005669376	0.00695678
0.075990982	0.047614038	0.068013568	0.054804385
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1.299724409	0.76055288	0.847252147	2.364113649
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0.15226086	0.210913123	0.057749962	0.10966057
0.836965855	0.517298426	1.511988627	0.60883571
0.386290313	0.191328325	0.508109674	0.288964248
0.010969684	0.016962428	0.018571173	0.028197628
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0.112046182	0.074806424	0.07873561	0.233378173
0.336750925	0.233198758	0.403849769	0.179614027
0.31039458	0.108218139	0.259899201	0.275258569
0.844576722	0.309761386	0.507459662	0.559274439
0.007454324	0.002665448	0.002192061	0.004582923
0.032162532	0.024529137	0.016961167	0.040039215
0.034920058	1.126968124	0.044406685	0.1267455
0.06033592	2.001527885	0.046585845	0.220864331
0.372904722	1.904378907	0.500239211	0.405677684
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0.217552041	0.223354009	0.1634371	0.142056415

Sheet1

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0.847582369	0.738635847	0.359790109	0.607913669
1.552810419	1.508259415	0.915971012	1.118654926
0.070005508	0.060203432	0.050036383	0.039438524
1.11808423	1.200300606	0.623408847	0.470909865
0.194919482	0.331123133	0.108325881	0.149856853
0.114581221	0.145917206	0.171128846	0.109309294
0.030325487	0.045509986	0.043986191	0.04152628
0.292188249	3.526914075	9.826269018	0.729338553
0.008074198	0.006893675	0.003008982	0.013820308
0.025478384	0.020797009	0.012812606	0.04691711
0.013321081	0.011407084	0.010310855	0.017053745
0.015852665	0.019132999	0.015418666	0.01656692
0.014959096	0.026655282	0.017219635	0.019732313
0.068377463	0.05642233	0.08180429	0.044495704
1.489894825	0.748626012	0.103234575	0.830272686
1.466628575	0.921590831	0.196886453	0.939734506
0.019773797	0.037117159	0.034421819	0.017652998
0.02297267	0.017627063	0.131126766	0.035967252
0.04384084	0.01936086	0.194251372	0.079810643
0.052028791	0.016320203	0.219754741	0.11760159
0.064351082	0.016791234	0.183223884	0.128623024
0.523924233	0.097523102	1.163170412	0.805320908
0.013173276	0.018868297	0.053037382	0.054954147
0.010330992	0.009794532	0.010199569	0.03107344
0.009659923	0.009755353	0.007376901	0.024034164
0.017216586	0.021199767	0.02333089	0.035986271
0.022730874	0.02456634	0.029197358	0.035278553
0.658577194	0.672687688	0.389595328	0.472871814
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0.014476692	0.022249704	0.004259773	0.032502782
0.221392986	0.525918704	0.100866946	0.16611058
0.095841326	0.113777315	0.104806813	0.092051866
0.05632859	0.051869683	0.061697805	0.062598627
0.036990968	0.034645635	0.027285693	0.043386222
0.052179817	0.077258707	0.085799383	0.046583698
0.128244793	0.189627928	0.230541803	0.1058232
0.193326735	0.278977344	0.260554157	0.187496547
0.101908451	0.11528419	0.102406675	0.076592061
0.404540953	0.422014405	0.436295098	0.293033804
0.780637956	0.738073456	0.48426314	0.471768698
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0.28618032	0.355134119	0.305821987	0.197092829
0.039209085	0.044857936	0.156678626	0.09404746
0.028675494	0.032718888	0.048630544	0.042015603
0.338897169	0.207665618	0.285337973	0.418626858
0.106088937	0.101946786	0.04765591	0.122593136
0.491015351	0.484668777	0.32838568	0.486519564
0.357488564	0.422415471	0.57137552	0.268967259
0.216016294	0.201315185	0.158119412	0.172336797
0.958809953	0.948813944	0.96213667	0.95718627
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Sheet1

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0.165461827	0.195049225	0.211501231	0.247079252
0.002075352	0.00125823	0.000880902	0.005012464
0.0018969	0.001585388	0.001493849	0.004647584
0.012867671	0.010498199	0.019053655	0.034514864
0.004464313	0.004579468	0.007501809	0.007853312
0.006780173	0.006946291	0.011537553	0.016107733
0.01300064	0.039673352	0.064600441	0.006918929
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0.145638853	0.324117198	0.120621619	0.263043036
0.295186862	0.638072195	0.592912968	0.334261275
0.093562289	0.065106587	0.036783983	0.108322266
0.002935036	0.002277357	0.002672295	0.004046283
0.008902137	0.007696771	0.012430806	0.012825528
0.024207529	0.045364116	0.038509544	0.033436477
0.239896416	0.230129326	0.097718514	0.172528948
0.022699346	0.027291131	0.017315913	0.014256465
0.140061125	0.226164736	0.092472919	0.114127414
0.456229527	0.466347395	0.144441969	0.292782587
0.236427213	0.292671216	0.076749492	0.174506521
0.327513568	0.538947736	0.168342809	0.368397439
0.047993902	0.011380038	0.022684451	0.108461358
0.241578921	0.063383919	0.146055369	0.816360502
0.240757917	0.051717651	0.072185085	0.938083058
0.20409434	0.172698061	1.128730836	0.14483322
0.03639537	0.117708297	0.173993934	0.043448648
0.025040991	0.040942137	0.170315261	0.039861129
0.000321627	0.000213906	0.000391414	0.000656681
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0.071931215	0.036221654	0.064335005	0.056438281
0.137075824	0.069444341	0.146392987	0.155161708
0.844117087	0.522159058	1.023648377	0.683592952
0.420424634	0.304524013	0.111251785	0.291485311
0.267537232	0.075934751	0.06159101	0.072528726
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0.869758172	0.725752305	1.615736519	0.772330576
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0.037924941	0.087183496	0.076662462	0.043885369
0.082401832	0.181448463	0.145765538	0.124755406
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0.021861407	0.038248946	0.028027762	0.037518557
0.032308447	0.08990347	0.069509372	0.061083871
0.103661722	0.239848304	0.183210529	0.192661612
0.058162758	0.12869814	0.099198099	0.097471724
0.055565901	0.122742536	0.091935354	0.086025776
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0.001847398	0.001763205	0.000784453	0.004825113
0.025497657	0.006791921	0.00627414	0.020030505
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0.259531037	0.292479297	0.160990348	0.230575445
0.187846281	0.187672122	0.125756098	0.146460325
0.71193891	1.149853717	0.420572809	0.838616111
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0.032250993	0.010201518	0.01734722	0.020489387
0.335550161	0.671969799	0.460316566	0.157537424
0.395671328	0.53065895	0.511432435	0.116844088
0.301139171	0.422686437	0.469308363	0.234376214
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0.062505305	0.13164661	0.087775452	0.048008707
0.019173001	0.029250413	0.016897551	0.01028258
0.301029875	0.572468837	0.251643204	0.188864777
0.476400681	0.90513033	0.723174779	0.34874126
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3.010161108	6.570552131	1.973427351	3.327196508
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5.780380038	8.934319365	2.156090308	4.450698106
0.086698043	0.107810727	0.050299196	0.116224856
0.430329953	0.15677932	0.207161603	0.196505939
0.311703729	0.165771407	0.229006619	0.168623398
0.247395002	0.11430883	0.109204091	0.119188015
0.406038634	0.152331887	0.209329738	0.178052284
0.487594897	0.184777697	0.299013228	0.251086155
2.482111282	1.059707688	1.386972137	1.541616296
0.195316713	0.20006996	0.586689894	0.083428743
0.015551096	0.017513404	0.01886475	0.024266445
0.04503031	0.070478029	0.019194541	0.024723877
0.354488277	0.241183454	0.261089728	0.422971374
0.037142547	0.014001755	0.01508993	0.031185855
2.916172235	3.342221116	0.641329677	2.960776946
0.025179996	0.020504146	0.017043057	0.021053408
0.148917194	0.138739565	0.102136586	0.108609978
0.069085564	0.056588029	0.235821054	0.052622956
0.261245912	0.303824193	0.15999583	0.205843279
0.48090831	1.083754171	0.635038379	0.870725368
0.593704338	0.649301625	0.220746006	0.561498064
0.583361815	0.577303126	0.690625979	0.358024163
0.767366478	0.970543413	0.776449717	0.473370149
0.005435398	0.005625383	0.002574902	0.007241718
0.291424925	0.330971988	0.320475918	0.181206064
0.065550778	0.059409406	0.051840957	0.04679634
0.195752628	0.136436934	0.158767672	0.142225721
0.035025359	0.048551865	0.026331633	0.024595737
0.016048189	0.012381513	0.008160452	0.010429907
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0.015438986	0.014150808	0.006052365	0.027663532
0.010329571	0.011852167	0.003359618	0.019232172
0.006229457	0.009484431	0.001390795	0.010165889
0.001227483	0.001572266	0.000575398	0.002297358
0.007291175	0.009279159	0.0017728	0.015791057
0.00440507	0.008196375	0.002227253	0.008507241
0.000317848	0.000687027	4.7891342436329e-05	0.001344284
0.137567984	0.285242737	0.155908497	0.210786457
0.090038814	0.343165014	0.082040523	0.105145135
0.297751297	0.773233795	0.265178648	0.316886177
0.046664582	0.070293388	0.02228734	0.04563349
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0.0485303	0.067681645	0.043526856	0.06305715
0.23013052	0.257545235	0.111720653	0.253412436
0.602217512	0.515427434	0.236449719	0.672369996
0.198012658	0.289784394	0.154213892	0.204025291
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0.102563953	0.181077936	0.168916906	0.132568052
0.140131645	0.207776796	0.309908141	0.142759442
0.926234524	0.718696971	1.030237807	0.644973766
0.411072656	0.134443151	0.203167282	0.18296828
0.141123257	0.186639403	0.339507669	0.115163994
0.092297554	0.113029531	0.182394637	0.110227802
0.110242112	0.110014198	0.135363186	0.127515545
0.00089132	0.001396774	0.000799076	0.001228398
0.396332361	0.87650469	6.635951305	0.235100566
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0.186836748	0.181779065	3.792543784	0.070533963
0.161212639	0.122345109	3.208551542	0.087139977
0.005037524	0.003717468	0.043862797	0.005912938
0.028840238	0.085043473	0.042819547	0.041830588
0.095607	0.119234569	0.109371948	0.099661894
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0.025818684	0.018816415	0.016552406	0.030177531
0.061905739	0.037715414	0.052660853	0.07717455
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0.030386407	0.33719725	0.031215983	0.056979453
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0.997332625	0.342991146	0.065526406	0.879844938
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0.060953624	0.064170805	0.130036032	0.077512152
0.722606924	0.6128113	1.144811779	0.534397364
0.582126383	0.397790773	0.639382055	0.604302
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0.381102091	0.503529197	0.252259033	0.253840194
0.534106116	0.350128547	0.353264923	0.448513212
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0.153744365	0.015802715	0.016096513	0.040777862
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0.205292731	0.311880491	0.226350323	0.203569433
0.743855207	1.012329896	0.902114362	0.626548028
0.10754671	0.051795305	0.069843297	0.054215626
0.09526604	0.145009474	0.117767166	0.079226837
0.393890895	0.440868396	0.210178094	0.402994715
0.08094184	0.046343846	0.0513112	0.406451513
0.027440076	0.011894158	0.012251303	0.017851731
0.192990403	0.148640461	0.12489815	0.135102787
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0.771725648	0.697260664	0.475854592	0.609286022
0.99144149	0.702208226	0.387751774	0.63870949
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0.082143921	0.127556063	0.115385829	0.069572907
0.074457461	0.114782725	0.101230079	0.076778738
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1.639515813	1.235132411	0.486337907	1.481694904
0.107815219	0.114589885	0.074881903	0.123725714
0.356636111	0.290421653	0.058012387	0.167541272
0.81066022	0.904795491	0.167125958	0.519175915
0.952650082	0.924190691	0.138263993	0.644906933
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Sheet1

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0.713215292	0.570055107	0.394694768	0.620707551
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0.023497343	0.022531463	0.019065516	0.064099219
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0.153892937	0.173992447	0.015266787	0.102996698
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0.029895506	0.011036621	0.021747118	0.022859786
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0.038784511	0.036156107	0.034323093	0.027121505
0.299144324	0.219157442	0.170850308	0.252132356
0.15227597	0.144175908	0.084549205	0.120410054
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0.018283036	0.019638058	0.021618509	0.015310848
0.006477978	0.006361593	0.006111524	0.005602987
0.040441286	0.035185925	0.038910407	0.040587771
0.031856652	0.022802051	0.023188537	0.031147435
0.089169096	0.065769923	0.054640108	0.104806055
0.026767799	0.030316783	0.021236113	0.03710456
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Sheet1

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0.016017487	0.018013396	0.017129578	0.02334048
0.292742768	0.662822619	0.397412113	0.40446417
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0.003436805	0.004645638	0.000973043	0.01699417
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0.016603076	0.013569882	0.009646814	0.026069993
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0.033562914	0.025095312	0.017033868	0.027829397
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0.204572842	0.151576637	0.348196303	0.154335884
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0.150277258	0.287753552	0.138246886	0.301980269
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0.014980717	0.024160861	0.035829791	0.030331593
0.373460569	0.418305703	1.034155074	0.307287013
0.074193942	0.101121704	0.288497184	0.095019109
0.181109987	0.317848752	0.913303203	0.218949746
0.055252079	0.041960317	0.144204654	0.080418038
0.004723256	0.00242782	0.005791725	0.012221216
0.009743311	0.001981519	0.005315392	0.007388963
0.02409575	0.018781769	0.011467246	0.221290279
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0.00397941	0.004559819	0.00123386	0.003563228
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0.026836669	0.061034516	0.040481427	0.038390329
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0.006945364	0.017707683	0.275883163	0.009626712
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0.007642697	0.007793056	0.003406561	0.009747984
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0.004055679	0.004975486	0.004961619	0.00957685
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0.051927779	0.018982769	0.019621492	0.055589189
0.033204642	0.002481677	0.002758277	0.101153603
0.064777878	0.02701117	0.01803162	0.091607487
0.035143755	0.057080536	0.066566375	0.03820096
0.010431972	0.014983249	0.01744505	0.010751938
0.005934095	0.013938019	0.01324712	0.00906835
0.09733024	0.41822233	0.157791021	0.158956578

Sheet1

0.102896894	0.205551118	0.448329072	0.089610259
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0.017375932	0.020859013	0.009527188	0.016617208
1.375792995	0.953449912	0.423003994	0.518847159
0.128206447	0.015867236	0.08252629	0.033061045
0.006976921	0.006167547	0.004200853	0.017560925
0.004490489	0.00523545	0.003272277	0.015817865
0.007709911	0.00516613	0.003931948	0.017565858
0.109865781	0.110694681	0.049970304	0.096891069
0.084060286	0.207044057	0.053096462	0.07756538
0.030521482	0.04649365	0.029784295	0.047005952
0.04409179	0.042166192	0.035901749	0.054396939
0.001112825	0.001065793	0.000706137	0.004839771
0.023143625	0.024553207	0.00976398	0.216295014
0.001120918	0.001367743	0.001039236	0.023292335
0.015875572	0.032353283	0.049223049	0.028265343
0.030532806	0.031212724	0.062883351	0.02510567
0.000180544	0.000439026	0.00033324	0.000663525
0.024177739	0.023409782	0.016794268	0.028909714
0.004617653	0.009094048	0.004242498	0.011416805
0.031236227	0.167291589	0.236932574	0.014830228
0.068382519	0.075082278	0.069644299	0.056024449
0.009051748	0.009334892	0.006174691	0.005792667
0.008075705	0.011530036	0.017234557	0.015165039
0.0109878	0.015279023	0.03400771	0.026834792
0.0340724	0.015471966	0.007663461	0.028449281
0.023246811	0.006169258	0.003508101	0.017427353
0.051091803	0.012401082	0.008501045	0.029115409
0.032302759	0.012859953	0.009765474	0.031858519
0.004543296	0.001834031	0.003295606	0.003868161
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0.009458034	0.006646559	0.006439187	0.010241183
2.390364268	0.980947015	1.085233252	0.787458183
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0.001755161	0.002225937	0.000358905	0.003757285
0.016705893	0.014252305	0.014730522	0.015272358
0.007249855	0.004672139	0.015123151	0.007976826
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0.008443502	0.01769052	0.009951539	0.016956718
0.014639677	0.030533463	0.018219838	0.020598727
0.009883973	0.014966493	0.006347158	0.015586609
0.005389982	0.009027147	0.003153049	0.011606236
0.003487775	0.005350433	0.003989082	0.010035172
0.009934695	0.009618873	0.00514508	0.019619512
0.008230254	0.007921504	0.00517261	0.014874253
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0.015776594	0.018204529	0.006475735	0.018340553
0.000249144	0.00054814	0.000103233	0.000717614
0.033390312	0.032088637	0.033144584	0.03839015
0.018501275	0.020629369	0.046856994	0.028008967
0.059023241	0.114188582	0.190507853	0.083038056
0.096598893	0.153458509	0.240925843	0.105454379
0.021609739	0.038790072	0.026520566	0.024699384
0.034327448	0.067970619	0.038069372	0.059681686
0.023386236	0.127955764	0.141058623	0.034447953
0.031304698	0.029385378	0.256601648	0.089102475
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0.000629152	0.000775723	0.000448615	0.002035407
0.132497362	0.750358516	0.081168778	0.246517116
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0.04956198	0.012836229	0.018118476	0.038200337
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0.00773747	0.011965189	0.00369336	0.010896068
0.004623951	0.002923865	0.002079466	0.002924342
0.686959729	0.034535409	0.022689569	0.051859846
0.868338321	0.034722945	0.042760971	0.041307759
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0.000431981	0.000809863	0.000139475	0.002123988
0.03299029	0.028490957	0.019958774	0.094513233
0.403126555	0.273635046	0.263402452	0.771658291
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0.01617668	0.007200524	0.00955201	0.017673389
0.029168782	0.01438792	0.018625916	0.027531941
0.147278168	0.077722737	0.103134246	0.131116149
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0.309520358	0.332260669	0.58692103	0.420613313
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0.351454181	0.383490135	0.593146148	0.377965481
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0.003552295	0.005419408	0.001877867	0.006567986
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0.002085829	0.00307061	0.004906899	0.002541218
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0.019852823	0.021983724	0.027988069	0.062026221
0.0092686	0.01074839	0.015675516	0.028561082
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0.002140662	0.001656477	0.005147763	0.005830497
0.009278641	0.008936275	0.013307242	0.022972976
0.011892485	0.011484278	0.021476834	0.02747819
0.003036628	0.001839673	0.011060868	0.007466223
0.009098602	0.008890628	0.027256056	0.018236567
0.011119567	0.016155661	0.01911995	0.031664247
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0.004752661	0.009839439	0.062807326	0.016672285
0.028378888	0.018455719	0.035644501	0.020515847
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0.219163843	0.073144536	0.150262371	0.098761595
0.010914628	0.014972856	0.016786964	0.011768719
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0.008724	0.014211518	0.011477038	0.018549302
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0.000390309	0.000513527	0.000411666	0.000692967
0.020580571	0.018868453	0.011399126	0.022759545
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0.342194097	0.343228284	0.197103663	0.515458897
0.167329788	0.197018543	0.102422962	0.249915508
0.312768748	0.372524194	0.218791115	0.412718704
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0.013428839	0.00700991	0.016109602	0.013048922
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0.004163531	0.003794067	0.007351698	0.002536411
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0.002220206	0.00249358	0.004499712	0.004266443
0.001591421	0.001719924	0.001553236	0.001988363
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0.000293685	0.000427268	0.000190618	0.000807194
0.001329386	0.00225772	0.000730519	0.00277129
0.000282213	0.000305002	5.51213006495422e-05	0.000650902
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0.000472966	0.000851928	5.54271691108426e-05	0.002950676
0.002346133	0.002742564	0.000757501	0.009873691
0.00035121	0.000366013	5.29181044689244e-05	0.000678666
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0.101382398	0.08191065	0.034259007	0.139672764
0.000895419	0.000470036	0.000215866	0.000652935
0.008721335	0.008774589	0.009436766	0.010286919
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0.002672355	0.003715262	0.002368662	0.003202036
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0.003554356	0.002511138	0.004424421	0.002820777
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0.000724368	0.000264791	0.000415707	0.000424118
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Sheet1

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Sheet1

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93.78135434	68.50438333	94.03920656	168.1815765
26.70677508	11.68661837	25.54175201	24.24592325
2.868846548	2.605750585	2.225002826	1.101180387
19.12862099	4.687328228	24.00796511	59.84170034
1.167756164	0.383958916	0.866307132	0.520266344
0.502590163	0.154948369	0.364063423	0.174925885
2.624651622	2.45735372	3.181288753	1.702153087
5.428108904	8.920612593	4.982990626	5.50272349
45.69189911	39.03604836	58.04899531	71.7963984
11.30778782	11.72890661	17.55949455	22.19357985
26.49231043	22.5058099	33.23922164	41.84406227
26.6564506	36.10245332	29.83908119	20.77213338
18.20808631	25.01655646	19.38288498	19.0697746
15.51483324	18.69006756	18.36670229	16.22330852
10.16498758	10.94170608	13.97357183	12.16408979
9.965229756	12.19002773	14.57306716	13.87564687
2.199000404	8.629712607	2.189426507	3.156047007
2.241589324	2.622628733	9.868515543	4.539658665
0.293128906	0.178707119	0.207800858	0.177541463
1.251074907	1.406833486	2.343651163	2.61261725
0.065793835	0.071629919	0.031236296	0.017044908
0.245497767	1.052006647	0.212975438	0.342666394
1.842556558	8.936552009	3.266099735	3.955066971
52.78390295	7.660263298	4.219727825	1.623568013
8.813455023	1.137312904	0.619738013	0.226885602
45.0511155	5.932268777	3.726291572	1.475776936
13.02218395	3.965098385	1.17657518	0.432169833
47.82456776	22.15129957	1.920646494	1.451500356
172.5574242	39.19113433	6.450014278	5.463018858
47.50478702	12.4133264	1.745269637	1.398106889
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3.974415887	4.504371676	23.0345903	33.69571068
0.304722557	0.30037067	0.272557192	0.259019367
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0.437498579	0.473502096	0.478008788	0.304035925
0.257736947	0.318511903	0.265405841	0.156289648
1.888203328	1.632659602	0.448247167	0.59536175
0.146483221	0.172666461	0.201727244	0.130294773
0.678823498	0.56952694	0.587925835	0.533574306
1.214650301	0.795391524	0.86443686	1.109661369
1.724635372	1.252703141	3.203410382	2.752542638
0.559669295	0.176313336	0.847831872	0.969537748
0.135343827	0.294389092	0.337437041	0.213926747
0.195767273	0.413557359	0.589108196	0.305250123
0.250026862	0.408739208	0.667252968	0.381923042
0.498395922	0.778169975	1.167219752	0.80041343
0.451090343	0.604832391	0.945586199	0.717562483
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0.119572164	0.384768583	0.411595118	0.192806654
0.074680958	0.112758609	0.264954932	0.163992996
0.637826245	0.619793448	3.66528268	1.888012968
16.18594108	1.916458015	3.710882492	321.792787
0.564679917	0.218676387	0.252373711	1.250244664
0.276329165	0.227233943	0.249889819	0.120156229
0.074196871	0.109367091	0.149352467	0.096714631
0.148531547	0.051536257	0.577934431	0.170131197
0.085225329	0.15148378	0.155994257	0.069879832
0.081930677	0.172298876	0.152464136	0.073598366
0.134014972	0.221214043	0.216594589	0.108851491
0.119323203	0.063697921	0.102048794	0.082643665
0.199411129	0.301227713	0.306116464	0.161679592
0.164509531	0.287851997	0.313421483	0.177241406
0.195333271	0.183460086	0.239581642	0.182955839
0.305622363	0.22717057	0.320043247	0.305309172
0.21202863	0.115129135	0.213005916	0.198979871
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0.045994571	0.119526829	0.482522384	0.12318157
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0.084653765	0.24251624	0.236911483	0.117917665
0.020957616	0.127085624	0.091958637	0.03959713
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0.07011561	0.206189277	0.244092842	0.130675266
0.197166076	0.179636497	0.349770162	0.343031127
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0.947513388	0.238172411	0.458937052	1.766046405
0.284978395	0.252872542	0.518484105	0.471766466
0.641064597	0.528887627	0.661179224	0.698062324
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0.065710236	0.086020464	0.205463016	0.04272181
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0.010350956	0.011574223	0.015060755	0.009978553
0.072503858	0.093857876	0.110519915	0.068172423
0.729714636	0.82549019	2.319805655	2.059535543
0.137230724	0.098256196	0.605201933	0.025143335
0.133966839	0.104144042	0.95060416	0.026324585
0.174981939	0.226762877	1.254147562	0.062209061
0.3870897	0.412248516	3.099641373	0.15525837
0.212226883	0.285038501	1.929432875	0.129934733
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0.073081626	0.070586451	0.425121901	0.065379876
0.316226322	0.239378529	1.394112637	0.270670824
0.17135544	0.12677851	0.622612513	0.11610975
0.163003064	0.076487429	0.539714712	0.104925925
0.33796206	0.136285417	0.864942596	0.245478066
0.382966023	0.209165873	0.8142769	0.340543383
0.073785357	0.029318492	0.064161655	0.034485799
0.148490909	0.041119053	0.103365137	0.072096549
0.539490613	1.498308924	0.544750023	0.182668661
0.078102857	0.148071249	0.173825172	0.127053556
0.007665098	0.02821698	0.02318287	0.006464289
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0.469479954	0.094103672	0.113178683	0.038302809
0.153389009	0.029941974	0.0394221	0.017154791
0.271911689	0.06724081	0.158683121	0.068258321
0.481151186	0.150091923	0.290819061	0.108833127
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0.225499289	0.216666057	1.400405518	0.036749435
0.324570237	0.344074763	0.799888758	0.259811625
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0.658301819	0.161092375	6.088218961	0.381932777
0.096283694	0.088693965	0.205747981	0.311476924
0.070658605	0.063525597	0.084313992	0.070076354
0.085729729	0.100435691	0.146759894	0.086572905
0.037317217	0.109480835	0.114459446	0.061769326
0.079443448	0.093419716	0.128343127	0.05833739
0.092800885	0.050420037	0.43885554	0.204787894
0.405264191	0.359778589	0.625726586	0.352595122
0.356302049	0.881586989	0.819437719	0.440120675
0.00261422	0.001365895	0.004574168	0.00144362
0.316693957	0.229674567	2.464494334	8.488906085
0.038235004	0.064916122	0.06621033	0.025740004
0.070980712	0.155933167	0.170263555	0.069946255
0.14407616	0.205455605	0.561865151	0.182669634
0.109789601	0.096306181	0.511163254	0.10273253
0.014888532	0.0194329	0.020692819	0.0104449
0.566922579	0.524242268	1.775246969	2.242762853
0.338385797	0.239763102	0.400167624	0.632862457
0.32562123	0.188203536	0.31366357	0.454423816
0.939966394	0.295569077	0.45770028	0.656326836
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0.043010335	0.074294945	0.094598443	0.022301177
0.035035192	0.096024654	0.097132694	0.034615871
0.091052421	0.146752879	0.214402097	0.078463751
0.112337516	0.298434459	0.31351033	0.205879211
0.825849156	2.869821041	0.280523035	0.170996136
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0.044656474	0.111968935	0.096925305	0.033457399
0.076773615	0.080526605	0.071059843	0.039027946
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0.066350596	0.051114409	0.051244917	0.03205912

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0.041593222	0.051511721	0.916453279	0.328604127
0.083463431	0.148521956	0.148995128	0.091335868
0.065023363	0.069281326	0.185769085	0.20737303
0.113461435	0.16838897	0.415165969	0.465113223
0.047807375	0.045463606	0.15890903	0.130479059
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0.010193778	0.018498223	0.015204188	0.067980726
0.15029763	0.136242648	0.291522095	0.413525284
0.062554937	0.03167261	0.041386212	0.026667985
0.565726294	0.295496365	2.263589117	0.78003635
0.001608051	0.002736604	0.013395559	0.001124794
0.115719286	0.24382576	4.406006768	0.078435965
0.066994504	0.227217687	2.297981446	0.047401418
0.0320277	0.148879918	1.034757881	0.032090911
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0.108719964	0.225425056	1.265255206	0.058201746
0.176265951	0.174010412	0.259480962	0.342801503
0.447711998	0.194300344	0.234076828	0.404992373
0.600051644	0.191039319	0.075643842	0.683111912
0.166494496	0.049089764	0.014503394	0.153508787
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0.00088722	0.00139804	0.002147177	0.000114924
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0.006432208	0.007739895	0.011395726	0.003635701
0.008467989	0.020015197	0.024770779	0.007262112
0.05339121	0.095059336	0.101345051	0.042961321
0.079918605	0.146111512	0.124510095	0.070157125
0.005100067	0.004230509	0.004302197	0.001907089
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0.154105866	0.118533089	0.147601294	0.292648894
0.171488092	0.14333633	0.175156943	0.378818812
0.258669486	0.197518665	0.344171011	0.467328537
0.179654196	0.409058053	0.484343404	0.350339728
0.56867736	0.583806426	1.02185874	0.911122827
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0.100632176	0.091991361	0.70466829	2.285517264
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1.071714307	1.214848594	0.31024837	0.255196738
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0.053551878	0.083232003	0.11519432	0.072378751
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0.082914761	0.036569228	0.12252147	0.059110318
0.118547155	0.116438462	0.638508814	0.146738773
0.173232152	0.119918146	0.220020364	0.131669405
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0.014697525	0.029348905	0.44736561	0.058394456
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0.068606915	0.036965826	0.566517571	0.09507963
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0.029915225	0.091555037	0.43180517	0.054925751
0.161765109	0.292909682	1.786085004	0.269219853
0.020030583	0.024998107	0.152654729	0.028115256
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0.017724986	0.012795057	0.117248616	0.027458507
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0.028631782	0.121368713	0.185844902	0.272073665
0.020505036	0.019832199	0.065655818	0.032330818
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0.062292526	0.082126904	0.19440501	0.106284704
0.061949736	0.135162732	0.221560142	0.08988876
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0.053251372	0.119131609	0.208841222	0.102922357
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0.072876605	0.055355389	0.341099857	0.144818765
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0.279709633	0.126760084	0.246004214	0.189779603
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0.03008969	0.066035767	0.067608212	0.027010362
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0.039741765	0.022883378	0.035539334	0.02011729
0.030762831	0.066283809	0.066698087	0.017931568
0.012742668	0.044653111	0.04314409	0.010536921
0.042459409	0.084615187	0.095740209	0.046658133
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0.088786455	0.257826013	1.145811068	0.252543108
0.019182881	0.09379547	0.209240081	0.068091227
0.01842105	0.052451184	0.166565387	0.045530663
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0.089140953	0.220325239	0.663738483	0.247058273
0.198395971	0.247280826	0.528441475	0.294734749
0.067622636	0.050994163	0.148668756	0.057177275
0.01834894	0.018544463	0.042714173	0.01188394
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0.868657646	0.214455924	0.150037498	0.376535934
0.192366611	0.151451932	0.092057137	0.170418136
0.076709511	0.057437586	0.053889592	0.07247826
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0.035765611	0.053523804	0.138230945	0.0773548
0.022250033	0.060793102	0.006942223	0.002141749
0.425720148	0.101347049	0.077873586	0.026608828
0.194043804	0.090737385	0.070397388	0.024468495
0.216145934	0.104856649	0.121958457	0.046401128
0.274415117	0.087677394	0.118199061	0.059474761
0.32532257	0.384708668	0.053365006	0.17139675
0.526225347	0.814142426	0.084238668	0.279389303
0.379588063	0.514819312	0.036619952	0.16376417
0.006740996	0.010601116	0.01453724	0.017506816
0.037498566	0.031926684	0.039398676	0.080210006
0.085505226	0.050784799	0.074258196	0.147779587
0.085150756	0.055771078	0.087959451	0.126945878
0.076595248	0.035397003	0.151693587	0.124935058
0.351587499	0.642951809	0.566801048	1.396697612
0.149056611	0.04954717	0.065223812	0.054942908
0.612374965	0.106121133	0.176267662	0.13658535
0.278261634	0.066980525	0.067363263	0.027794569
0.094547125	0.016211059	0.01828647	0.008131169
0.110994471	0.032687219	0.030776966	0.008256172
0.135080535	0.099466404	0.18402983	0.21921096
0.256914077	0.24758393	0.48329284	0.356891905
0.151403628	0.223142968	0.544276148	0.723002283
0.994976541	0.962800863	4.065411387	4.142975414
1.064467802	0.330945317	0.02867033	0.065063292
4.178299842	2.383440583	14.01017911	10.3608463
5.066004396	3.033268686	19.3389292	16.08028291
0.282822053	0.115355568	0.693063386	0.55181182
0.09415085	0.083250059	0.071133656	0.026666653
0.130674162	0.100985573	0.069473036	0.03083581
0.076650259	0.124450125	0.088448296	0.027947497
0.321199337	0.069688447	0.144256223	0.079878286
0.034472598	0.029030207	0.03447965	0.023278273
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Sheet1

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0.069411926	0.055178527	0.180125103	0.070832245
0.172277416	0.290383341	0.288765633	0.34875505
0.005707941	0.019269331	0.028734173	0.020396833
23.64986254	37.1552237	5.72005342	8.452213341
7.20990317	18.97423343	2.202346323	3.085463283
1.158620032	3.627648563	0.21366364	0.4600077
0.742299571	0.088138571	0.344086851	0.113783526
0.051836647	0.22783144	0.031009976	0.023615843
0.512610707	0.442749705	1.652941474	2.328895013
1.425229995	0.724866914	0.555764848	0.911092656
0.450225737	0.774085967	0.07355339	0.099567614
0.093695927	0.01287573	0.063766258	0.098645867
0.318698075	0.169991636	0.168738553	0.338834474
2.497416666	0.879757488	2.609205525	4.574803746
0.917856145	0.419580413	1.046167914	1.684926467
0.285381818	0.226464888	0.071087637	0.030922599
0.034014799	0.080511064	0.082152938	0.031876194
0.024024641	0.048070789	0.033335737	0.011508152
0.114268252	0.131962053	0.05394668	0.028674022
0.03991903	0.037151825	0.03275529	0.007132962
0.414837127	0.543025936	0.117279394	0.095137338
0.110786946	0.038798117	0.042920147	0.033268187
0.061870501	0.100087535	0.030204494	0.025162624
0.268833582	0.313098694	0.362604227	0.105356447
0.001874221	0.002491856	0.001074277	0.000614519
0.071616784	0.148785817	0.170828556	0.049304309
0.030526417	0.05634557	0.038801306	0.025332342
0.039674215	0.052393283	0.044615741	0.032301894
0.133284117	0.205778676	0.066535767	0.065434611
0.036858784	0.033591936	0.029802898	0.027344395
0.039005984	0.036769349	0.020673432	0.02129236
0.069359641	0.077664639	0.066139201	0.065718939
0.006892527	0.018979466	0.016000338	0.006629097
0.067500282	0.090941068	0.486972223	0.679680734
0.045340723	0.104580495	0.439159543	0.516744744
0.010295717	0.036543242	0.042255057	0.395889802
0.105457982	0.235869641	0.182218142	2.273409043
3.153785485	0.061897974	0.706391225	0.016036864
0.038836687	0.052515612	0.21717076	0.051395694
0.040224751	0.079416802	0.264339802	0.068304679
0.075532562	0.230097864	0.565788406	0.113541721
0.220378337	0.495338245	1.80653085	0.377863498
0.070808557	0.164798565	0.615823675	0.126595689
0.031823992	0.068134396	0.258516686	0.045511356
0.033512862	0.038259409	0.046742162	0.050985184
0.210231251	0.131307156	0.28306396	0.278318471
0.009177637	0.022086954	0.022954884	0.007003137
0.110637549	0.236452898	0.084639014	0.250552293
0.986129307	1.006619998	0.498739179	2.070040121
0.414443929	0.495058346	0.22133525	0.719492647
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0.703698549	0.386494411	0.071241566	0.075290919
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0.844566185	0.036899546	0.077563667	0.020535853
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0.039717319	0.033689756	0.057953896	0.064101203
0.133844583	0.055734669	0.134363229	0.203591831
0.219265572	0.057422665	0.130773058	0.212570945
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0.837182104	0.275329024	0.475246831	0.751770899
0.432684405	0.162229095	0.38148797	0.705091732
0.090904356	0.043070529	0.105394439	0.178593291
0.018779485	0.057508983	0.041104821	0.03446346
0.048218296	0.079340821	0.10334744	0.114166869
0.699122294	1.17202046	1.060566814	1.716444243
0.439238914	0.657816558	0.460512523	0.766419994
0.878831206	0.559131993	0.735793003	1.336624428
0.002251103	0.006457487	0.007507206	0.005069716
0.049834188	0.05213171	0.140313667	0.124869193
0.08562273	0.090661719	0.164820679	0.132369282
0.411220049	0.165597038	0.432237238	0.400015099
0.038692154	0.07545839	0.274568696	0.196592248
0.15799519	0.183532348	0.740294656	0.830893372
0.038643698	0.043970376	0.165467031	0.160936599
0.028546236	0.054684728	0.137351999	0.162213553
0.00507887	0.016735787	0.024031158	0.032332858
0.019334114	0.049904394	0.115207696	0.137207654
0.526749658	0.571035708	2.621337869	3.551410925
0.314268378	0.243535743	1.037845106	1.169743628
0.038601772	0.079074953	0.302699507	0.292482506
0.074347576	0.152539867	0.623403005	0.549470636
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0.613984049	0.564425766	0.857848756	1.023039911
0.440803827	0.386441652	0.851150949	0.869566499
0.812771494	0.533040483	0.590355375	0.706537556
0.444869384	0.306371819	0.321556711	0.331676921
0.00698449	0.008381368	0.008006826	0.004612174
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0.058191633	0.114520434	0.07264762	0.08093329
0.61723996	0.898596513	1.225661033	1.629071834
0.345774687	0.427596277	0.549328654	0.727683789
0.515270219	0.491523144	0.526982478	0.7386878
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0.118536248	0.149737716	0.253805735	0.247000339
0.042016623	0.051407145	0.080743716	0.07926895
0.22805725	0.144837381	0.282652187	0.304426352
0.176723523	0.242992551	0.242776487	0.295449188
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0.201256292	0.152205226	0.030022346	0.030530993
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0.469940629	0.102582131	0.210186307	1.816639175
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21.82944691	34.74091906	0.271751068	1.590814967
62.84718162	98.34754492	1.194351291	5.887554825
0.669347963	0.740266825	1.389342368	1.263805929
0.330114231	0.326757174	0.734419001	0.685338834
1.748423658	2.917731166	1.892849444	1.842410178
0.149423903	0.286746115	0.318946231	0.243106291
0.242923905	0.449200894	0.598918382	0.442031797
0.108644303	0.146631838	0.226244745	0.155079521
0.119680699	0.18421914	0.316259654	0.219228373
0.128435316	0.192088479	0.369612981	0.255532958
0.050352188	0.093660644	0.21422309	0.138534771
0.312761366	0.764832586	1.211871463	0.996536406
0.729591417	1.457374555	2.922017374	2.28144731
3.734425742	2.394744045	11.09703759	10.96219728
1.021183647	0.929931114	4.600463521	3.982354959
3.026375292	0.551123118	7.296151946	9.330669624
0.860004798	0.120759545	2.050821718	2.413487648
0.190127325	0.165569392	1.313432098	0.7318476
11.33752361	9.62660116	14.97693723	11.49146496
10.62201035	4.381215109	11.88356322	8.886392366
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7.245290066	5.236411429	31.03776654	27.09253835
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0.364331322	0.418809276	0.368143008	0.573412715
10.4775712	17.45627845	0.851121057	6.643642715
0.112491112	0.157425429	0.154407387	0.153955182
0.219324767	0.245925932	0.137173351	0.281809396
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0.010136541	0.011021158	0.005422783	0.007336464
0.06528607	0.083137168	0.064157312	0.057131768
0.049610541	0.101234661	0.314390004	0.273762149
0.014807616	0.025653214	0.073397757	0.066745587
0.012229477	0.029740366	0.055259123	0.056832251
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0.627969647	0.465404064	0.123946901	0.313756889
0.543228907	0.538661824	0.128272395	0.27171799
0.224928146	0.240978582	0.10547189	0.327774967
0.656028955	0.656201624	0.233728002	0.778631086
0.99300336	0.38975364	0.26124492	0.881801623
0.016357518	0.033354164	0.034844772	0.033205603
0.753240587	0.763990567	0.879393484	0.136725187
0.015236937	0.04682839	0.03840931	0.032180959
0.038641096	0.061035036	0.112222354	0.104013813
0.013020475	0.03167123	0.054390925	0.040932138
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0.103851392	0.050607906	0.570698326	0.361620624
0.235358929	0.189801449	0.784474201	0.813874855
0.051906593	0.036551786	0.08214426	0.051116944
0.064280459	0.035266312	0.075288297	0.047991783
0.210655111	0.622975858	0.191131458	0.305365208
0.698626267	0.634110567	0.936148093	1.759016558
0.849980288	0.677295839	1.106508085	2.277066147
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0.352536707	0.297727063	0.480516232	0.611856291
0.49228217	0.465522347	0.566460024	0.697648806
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0.479542567	2.277052623	0.037971662	0.064602327
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0.030137917	0.04533968	0.12246443	0.046997661
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0.011940791	0.025263356	0.058098483	0.029337355
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0.018023202	0.02005147	0.050851731	0.025403806
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0.008872906	0.012473464	0.029271263	0.018339115
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0.038775027	0.031516602	0.076649668	0.068682651
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0.304510459	0.771277819	0.610673717	0.502732543
0.253210925	0.601655679	0.328264037	0.352627606
0.059532818	0.171957087	0.0835935	0.113048229
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0.043940265	0.047526676	0.099834249	0.098178184
0.097503916	0.078022153	0.123974224	0.139535493
0.121609827	0.080166296	0.135824435	0.183816014
0.971138116	0.848867249	0.522442058	1.580363109
0.341816902	1.226633846	0.253002078	0.434818016
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0.037493624	0.068546593	0.062908338	0.030984754
0.035292594	0.022139047	0.035363683	0.01092817
0.029277938	0.041574232	0.012997807	0.010174396
0.241106542	0.206002226	0.244967709	0.143572015
0.031593963	0.027009887	0.034601168	0.023934351
0.0178105	0.018628119	0.026500166	0.011636145
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0.133149838	0.051137152	0.097834833	0.058101825
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0.037641184	0.063507859	0.142632731	0.032697978
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0.344760668	0.476317509	0.861410325	0.636063038
0.214631341	0.296574179	0.247875218	0.341887255
0.189781683	0.20968217	0.237342449	0.273036475
0.0973524	0.111301493	0.114420116	0.149399284
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0.236598901	0.101506021	0.481949892	0.686428852
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0.190259302	0.073735344	0.325664714	0.16244156
0.130889309	0.089417861	0.174086655	0.120147985
0.253615869	0.068990767	0.302349734	0.215376082
0.117581554	0.043682661	0.17675662	0.111503911
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0.03170901	0.062694787	0.051737142	0.042430393
0.015189251	0.029291824	0.037388131	0.021513838
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0.849918134	1.033875685	5.483098778	1.347195341
0.096529253	0.230128981	0.741945935	0.131919937
0.163034118	0.169545068	0.324028939	0.080375434
0.289144361	0.789392163	0.027501106	0.080122892
0.181764613	0.313788754	0.130271513	0.13477474
0.045639058	0.078177418	0.035523993	0.035429546
0.130807659	0.175260598	0.103910388	0.111927693
0.126948692	0.154053889	0.128102142	0.100705938
0.318140103	0.278593876	0.246181221	0.15258121
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Sheet1

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0.042612088	0.019524036	0.029863346	0.091992831
0.955864655	0.984988237	0.980159457	2.206188417
0.173676416	0.150546323	0.13756065	0.270509918
0.001170332	0.002928952	0.003156791	0.006139649
0.178264532	0.265439259	0.115125997	0.185334373
0.363248668	0.403805477	0.299178822	0.451848894
0.108389868	0.12782098	0.078023413	0.147607078
0.206743461	0.306219379	0.219764672	0.280358408
0.121833853	0.229874519	0.154579408	0.219734457
0.057409025	0.041653691	0.071966075	0.056563182
0.00427042	0.010658942	0.007049507	0.005257224
0.157657889	0.494525272	0.365030726	0.420527451
0.091264765	0.233554108	0.196926651	0.213547614
0.025700941	0.045246437	0.058144184	0.049830723
0.03490394	0.042739035	0.025139818	0.059428443
0.094976005	0.098932454	0.065810442	0.281229584
0.254722882	0.278464778	0.282576342	0.57797739
0.099552189	0.212905336	0.66964601	0.340020833
0.545686574	0.678975956	0.22114423	0.329818964
0.524321506	0.591924905	0.230509899	0.362900803
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0.050925303	0.030665335	0.039074012	0.032746874
0.149690792	0.156390283	0.426246856	0.255940848
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0.335336741	0.092466151	0.325361684	0.23922459
0.016346736	0.015075793	0.015367111	0.010132521
0.079964582	0.060112668	0.055522267	0.030567868
0.021792262	0.024137382	0.031332763	0.01610688
0.271842673	0.101646907	0.132029718	0.106388227
0.168112777	0.102056061	0.355805112	0.069077611
0.043608602	0.01852515	0.063823234	0.041500159
0.220378207	0.260148238	0.413880806	0.74447509
0.495094382	0.407309033	0.49654591	1.093574473
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0.054061317	0.156221558	0.055506193	0.103102992
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0.473514423	0.058178753	0.428185327	0.26404447
0.090367004	0.013439117	0.0903043	0.050643614
0.17194079	0.04849171	0.238506457	0.141470121
0.004808554	0.009077156	0.014078948	0.007234492
0.030167404	0.043242789	0.120408597	0.090834317
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0.218573504	0.564971249	0.159228673	0.231711314
0.086379967	0.067078086	0.046189104	0.037503059
0.134594742	0.148155942	0.117025486	0.086558134
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0.169067028	0.090486684	0.032678323	0.027199885
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0.267589355	0.20285142	0.953992936	0.832393479
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0.823113709	1.85545957	4.248156149	2.712614801
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0.000658842	0.000400438	0.000359656	0.000329175
0.024374853	0.017017354	0.019933385	0.016801273
0.015738788	0.014510484	0.013702264	0.013788501
0.024099541	0.014140864	0.013114784	0.023357932
0.047593303	0.034256881	0.030374515	0.069782508
0.042189176	0.037101893	0.149347292	0.088189324
0.064370731	0.08179369	0.292136741	0.176770465
0.009178882	0.010546212	0.042910053	0.014581956
0.195137064	0.188561606	0.209380085	0.153193301
0.197371842	0.057558272	0.127334448	0.072945469
0.446658816	1.174816261	0.465927632	0.519592459
0.086724113	0.105182114	0.279852781	0.203611175
0.026642299	0.032786638	0.088472569	0.053651404
0.01590069	0.023600889	0.059568754	0.030558947
0.266954479	0.404903653	1.110729493	0.573882853
0.083498441	0.100134117	0.148976615	0.134930237
0.083438431	0.222627106	0.022864761	0.03407209
0.144985211	0.075260015	0.22753569	0.290858384
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0.52031774	0.285557903	0.501342676	0.571260942
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0.098704276	0.026187078	0.033841105	0.032042261
0.091558403	0.170675833	0.080545854	0.087074098
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0.566539707	0.2590151	0.276217091	0.341105975
0.019134718	0.024665751	0.08943963	0.021867098
0.013121577	0.007616408	0.074412357	0.01661694
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0.003853624	0.004109118	0.001694001	0.000608012
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0.009291891	0.0242402	0.028339489	0.032631037
0.004668628	0.006336613	0.02836881	0.00357279
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0.049450612	0.032673184	0.050495639	0.052884019
0.013709175	0.017295329	0.052680731	0.047147135
0.003739711	0.001174074	0.003927116	0.00156418
0.116802548	0.038649582	0.118130958	0.056290213
0.02486756	0.007643801	0.009905696	0.006183745
0.109448294	0.086645082	0.007876506	0.021603604
0.263392732	0.048469447	0.056941396	0.044591691
0.076007749	0.011703421	0.025836568	0.006634924
0.048508006	0.020686291	0.102415631	0.041733239
0.073227714	0.015065898	0.01579283	0.01082835
0.049087869	0.078508413	0.041570437	0.046508824
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0.00568704	0.007984986	0.012260487	0.018174556
0.027189053	0.035312282	0.073256344	0.0751894
0.003135143	0.00228318	0.005828175	0.007968411
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0.092075051	0.214333766	0.03068121	0.050511308
0.074135441	0.216415112	0.067136719	0.070830404
0.005189277	0.011412851	0.008080247	0.004658539
0.042356303	0.273415216	0.130701046	0.135565325
0.016642879	0.10634902	0.058919305	0.061273424
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0.1270956	0.357317532	0.033033525	0.055149061
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0.391638584	1.263242989	0.438651721	0.400737611
0.236847278	0.13272688	0.434328116	0.368776559
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0.524415577	0.275201714	1.023008435	0.978246057
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0.22230814	0.552046634	0.17273799	0.153397625
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0.012893945	0.00952105	0.007335062	0.003673157
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0.064449504	0.053551461	0.316178752	0.278923413
0.051201976	0.041361273	0.525110913	0.188030804
0.066323725	0.054163403	0.085684299	0.047899478
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0.010079243	0.028348953	0.006993552	0.005762719
0.072724087	0.219325745	0.0234803	0.025451255
0.138773741	0.125423234	0.278932349	0.253518722
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0.453000186	0.559043034	0.463696292	0.460504722
0.336413257	0.289098434	0.281285648	0.291416822
0.489437145	0.294864778	0.402624689	0.747775168
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0.459298679	0.257024431	0.152099374	0.10284889
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0.091237358	0.043973672	0.619422678	0.211332634
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0.103328311	0.192144653	0.044422873	0.056374571
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0.017598125	0.007255374	0.00664355	0.003588408
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0.017143789	0.010835772	0.023850692	0.008241196
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0.037804026	0.07785594	0.171219361	0.033500223
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0.035553135	0.045619994	0.141847812	0.150644555
0.22385054	0.148171223	0.48110635	0.516199695
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0.187195354	0.277133417	0.951486107	1.122243259
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0.0797412	0.125884015	0.27818641	0.302986752
0.154670332	0.212684029	0.826935675	0.88672007
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0.294894932	0.50768826	1.261536959	2.552730126
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0.129225595	0.037089794	0.18948003	0.176182569
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0.168316858	0.058886316	0.22666932	0.280325143
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0.080091261	0.025486604	0.068040612	0.094793025
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0.298022545	0.623879576	0.230325456	0.354225649
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0.051841504	0.074047073	0.226167365	0.411547581
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0.121203403	0.209653634	0.068827978	0.123163085
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0.102252415	0.091864285	0.210991905	0.461650391
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0.092225113	0.009587387	0.038911124	0.004174623
0.122005829	0.010424922	0.057198487	0.005852147
0.010645636	0.000553469	0.005865807	0.000303315
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0.116357249	0.006832774	0.068959499	0.003736112
0.126655918	0.014947928	0.109925786	0.007821766
0.108610326	0.010735853	0.101944455	0.005547308
0.036856774	0.00252991	0.035496784	0.001714159
0.063544638	0.003248587	0.060706906	0.00362779
0.009956732	0.008099376	0.003705884	0.004773648
0.042457219	0.03855273	0.057919663	0.067953946
0.21154544	0.203235955	0.260690968	0.350616959
0.178638367	0.083115147	0.156092053	0.178895229
0.0753762	0.034092349	0.067601537	0.079450565
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Sheet1

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0.082078559	0.059669934	0.216448622	0.113042221
0.025143431	0.01983022	0.074402873	0.03491677
0.024579711	0.02175798	0.067584179	0.030693626
0.066716403	0.047649974	0.18280424	0.076315295
0.014727321	0.013224739	0.039799134	0.015719532
0.023068799	0.008676567	0.146598335	0.007244875
0.068531845	0.031577006	0.995168225	0.034356185
0.026440571	0.012590162	0.650025518	0.01275616
0.000748675	0.000773564	0.015240247	0.000448869
0.034127177	0.021980004	0.439248981	0.023584759
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0.938302769	5.515327262	8.293504648	5.707466771
0.229675849	0.116051542	0.231608802	0.386453201
0.169067109	0.095867643	0.159225601	0.269967296
0.010401538	0.02843048	0.021175231	0.024090761
0.337885961	0.041030092	0.329222713	0.464600833
0.084748295	0.055739674	0.093578329	0.127683212
0.026262614	0.023798815	0.031790171	0.039399912
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0.035893851	0.008912313	0.032607165	0.010130728
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0.041435863	0.09630175	0.104193617	0.160068189
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0.120582785	0.047261613	0.280074634	0.420864949
0.013179637	0.015376843	0.059698948	0.054083417
0.016098022	0.023635626	0.078810825	0.067880057
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0.750903247	0.747452905	0.113182499	0.093114524
0.441410983	0.273590476	0.274292146	0.231805799
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0.01676969	0.013828703	0.019260173	0.019282535
0.019841689	0.0069941	0.010159783	0.011839157
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0.080649915	0.043443073	0.047642354	0.08918841
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0.00659614	0.006364009	0.030258437	0.027126024
0.023838947	0.017713797	0.013604641	0.01130535
0.071844121	0.05735512	0.003546209	0.010153279
0.376814321	0.162556599	0.017735062	0.038393551
0.119644676	0.167795127	0.689293479	0.490178486
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0.012989584	0.032612308	0.056464293	0.061550885
0.001646721	0.000822511	0.000154345	6.03691341768979e-05
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0.122078161	0.151859485	0.325050081	0.442281224
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0.018526783	0.021607526	0.016011721	0.013456922
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0.198003943	0.533804485	0.123478634	0.214665323
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0.017586213	0.290749366	0.153892209	0.058318656
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0.020877592	0.037535307	0.05479816	0.044207534
0.005769267	0.009504751	0.014784995	0.010898364
0.059696112	0.037754248	0.057877972	0.04857248
0.003694403	0.00829679	0.0076581	0.001769965
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0.083708592	0.194254902	0.01832239	0.045264562
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0.008181058	0.008272997	0.008154246	0.015774349
0.001531216	0.002800141	0.001951665	0.002900761
0.00566905	0.006026223	0.004201738	0.013100505
0.010216202	0.007893678	0.003761549	0.016169427
0.008563521	0.007663514	0.004614328	0.010558137
0.032547115	0.013169545	0.003898348	0.029521838
0.03227918	0.030404336	0.049811244	0.045227403
0.031210373	0.028951971	0.020614526	0.022299653
0.006752048	0.00956136	0.008120468	0.006641578
0.006931732	0.007436935	0.005320596	0.004239583
0.049272611	0.084388258	0.040162076	0.04135758
0.018020281	0.03992142	0.006341243	0.010381084
0.000291083	0.000498216	0.000713405	0.000386149
0.018058138	0.026150009	0.040540619	0.020537756
0.01939397	0.045086838	0.018762798	0.036502174
0.008816044	0.022973752	0.009359967	0.018044361
0.02639747	0.009327138	0.033945016	0.112651362
0.156736856	0.035110411	0.151240249	0.550617747
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0.002430053	0.001545848	0.002155226	0.001282402
0.085039163	0.093621059	0.072848593	0.102353095
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0.177980204	0.081915463	0.489014979	0.481942123
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0.136964707	0.026813144	0.357031923	0.386534553
0.252165953	0.041435621	0.60839128	0.664230005
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0.210771175	0.063313723	0.724639217	0.66275621
0.548278521	0.112910162	1.610703797	1.349819458
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0.208277635	0.132857617	0.911291485	0.631247757
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0.051742401	0.152691862	0.107356966	0.285331562
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0.037160603	0.043178223	0.028313269	0.015896472
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0.182340702	0.0768438	0.516354129	0.623911799
0.157708281	0.028970731	0.025162866	0.022848296
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0.071206488	0.012684647	0.096283368	0.038755525
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0.016574302	0.022944364	0.030225771	0.023888483
0.213594032	0.08718192	0.026785173	0.023787731
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0.001368302	0.006655084	0.006660958	0.002550008
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0.002260739	0.001759961	0.002690903	0.003465476
0.002212372	0.002400898	0.003175765	0.002242757
0.021088768	0.028639322	0.029974189	0.024013419
0.01291907	0.015404275	0.017994667	0.011228498
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0.049371987	0.010109374	0.020165956	0.005138073
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0.00727847	0.006471622	0.044536865	0.023001111
0.00419976	0.004254292	0.027729705	0.012567655
0.015936135	0.009774555	0.031528315	0.014560737
0.005661911	0.005694943	0.007014274	0.00512519
0.068412928	0.133071095	0.169662838	0.215208784
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0.002777879	0.0045279	0.007609676	0.002986091
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0.002503501	0.010217008	0.007845889	0.0026981
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0.165218292	0.013995827	0.120593901	0.038884658
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0.038236979	0.120801143	0.021844878	0.036487817
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0.169995241	0.010037591	0.033843343	0.022864954
0.041472834	0.011398144	0.014831635	0.005822523
0.001235523	0.000990895	0.000664228	0.000188738
0.362970822	0.338468613	0.072939987	0.51491082
0.445823355	0.300941989	0.749064162	1.706421724
0.04141126	0.020517579	0.018760797	0.012262719
0.259983775	0.59020522	0.06413554	0.089603602
0.007610263	0.013071842	0.006540709	0.011935073
0.001793824	0.003580837	0.003810655	0.003399487
0.027966449	0.016132027	0.629873052	0.016252046
0.076772986	0.018084091	0.947783568	0.013074367
8.48925413830892e-05	0.000120393	0.000535251	3.9586899810917e-05
0.066013487	0.015803756	0.147810522	0.048403097
0.010826173	0.010901427	0.056986693	0.008021713
0.02880162	0.011326693	0.555424815	0.026440346
0.001110569	0.000120228	0.000116622	0.000108715
0.000127158	0.001118067	0.000738573	0.00021742
0.015594442	0.011995364	0.01300943	0.012646896
0.170371647	0.126514015	0.186231271	0.14088709
0.002065315	0.005629893	0.009848909	0.003039269
0.006034192	0.003144573	0.016182712	0.007804194
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0.052784038	0.027938048	0.165518491	0.068336454
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0.005097245	0.009981493	0.015188816	0.016931734
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0.016662366	0.01127236	0.041779818	0.055234943
0.019354943	0.015024083	0.057513299	0.068044519
0.00805048	0.010308684	0.011194071	0.022228631
0.005065221	0.008088756	0.008368094	0.017000151
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0.042923612	0.018843443	0.038482696	0.060779708
0.227848834	0.134469706	0.471322391	0.386618585
0.38188651	0.311978542	0.293429371	0.360526577
0.251661808	0.225391427	0.0686048	0.132283055
1.511091958	0.909912504	0.370624307	0.524696623
0.041630514	0.008407186	0.044139743	0.034069064
0.047782731	0.012928897	0.062839514	0.048554725
0.053752291	0.021478157	0.069036313	0.052443346
0.011352676	0.004839479	0.014827248	0.010712107
0.018042629	0.013660912	0.028169324	0.019356319
0.016344844	0.013004799	0.028534794	0.01788198
0.01114381	0.01053594	0.021872704	0.013989239
0.353485287	0.213551966	0.347973005	0.308401594
0.028510442	0.016462215	0.016944931	0.017483155
0.000753792	0.002795878	0.003247597	0.002230716
0.002203163	0.006260704	0.010710256	0.008101193
0.002890081	0.002348797	0.003607397	0.00247142
0.013734785	0.013114735	0.015441472	0.015037128
0.001729955	0.004965463	0.004725454	0.003956346
0.002052397	0.010527687	0.006289974	0.004052107
0.002556296	0.006933795	0.004941014	0.00274865
0.001935355	0.007764859	0.004361423	0.002815461
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0.176249233	0.554101611	0.028394239	0.123199363
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0.007363938	0.007254292	0.019678681	0.004388446
0.001984726	0.002207375	0.006457513	0.001200095
0.001696138	0.001553018	0.006446741	0.000767902
0.00434585	0.005999772	0.017191542	0.002888213
0.004228698	0.007513811	0.024945652	0.003750095
0.001743752	0.001633081	0.007882807	0.000757527
0.004843218	0.007381648	0.015148175	0.001936387
0.016749448	0.030257417	0.012021887	0.006850532
0.003253837	0.004381465	0.006866791	0.003572987
0.006448124	0.004088855	0.008069938	0.003954902
0.027311827	0.015437335	0.020703621	0.008603588
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0.577382917	5.829196294	0.011838037	0.014142247
0.008166081	0.021592211	0.013684893	0.009739811
0.177068971	0.152324272	0.247199517	0.0715507
0.008176662	0.011131197	0.01073538	0.006800604
0.120096652	0.014612333	0.014356257	0.017826839
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0.003990155	0.005346305	0.006473105	0.00344359
0.000293724	0.000138851	0.000308657	0.000247305
0.006689077	0.003088833	0.018104367	0.015025585
0.001631159	0.00430269	0.004889829	0.006484442
0.031908757	0.006383663	0.013021974	0.010257546
0.480368046	0.44250744	1.126491113	1.587901472
0.00642234	0.004808297	0.007922981	0.011116675
0.010446097	0.007488104	0.018934133	0.022532151
0.010648211	0.006874623	0.013775861	0.014522136
0.380146567	0.263656442	0.362712915	0.473722628
0.089853536	0.071836472	0.169342812	0.211769816
0.218964195	0.154365189	0.363473888	0.434572689
0.139398778	0.124856494	0.240846251	0.30270544
0.018284616	0.031004023	0.045193319	0.04478372
0.101438227	0.082097231	0.29629717	0.283907557
0.014906548	0.013514129	0.007485372	0.005629183
0.591557682	0.086121811	0.395096916	0.361095442
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0.005246442	0.005668869	0.008090768	0.002548447
0.000795358	0.001780988	0.006334443	0.002147254
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0.00503246	0.006380896	0.013909332	0.015089644
0.002640985	0.006010561	0.002501809	0.00130897
0.00033671	0.000415899	0.000448252	8.86367394914133e-05
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0.01024297	0.012189197	0.023358564	0.01000026
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2.908128743	3.034850615	0.490125354	0.901755527
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0.000454795	0.000214993	0.001274445	0.000530197
0.001473304	0.00130588	0.004275166	0.000858785
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6.14486897590884e-05	0.000116194	0.000187848	5.96971154496532e-05
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3.161381816	2.880882187	0.437269212	0.791901145
0.569153588	0.139755785	0.032448646	0.033671551
0.565498182	0.135237184	0.035014317	0.031976425
0.468307399	0.107789801	0.026251744	0.024802378
7.245272222	23.14958	1.175926169	2.268052535
6.075653062	18.92825724	0.947436901	1.8323144
1.268781901	2.123195859	0.095986268	0.144277808
1.279362335	2.18446126	0.103897669	0.161234934
0.0092113	0.013854979	0.007146381	0.008948735
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0.000953451	0.001215235	0.000608765	0.001435137
0.000700331	0.000993194	0.000346052	0.000408221
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0.026501416	0.028187801	0.066186063	0.027585002
0.000319807	0.000296547	0.000366617	0.000544903
0.005345491	0.005510241	0.004606317	0.006597489
0.000184363	2.9051008489119e-05	0.000434438	0.000537322
0.007216297	0.008517326	0.004963537	0.005590387
0.00029518	0.000104654	9.86959764872452e-05	5.73532059469848e-05
0.002197683	0.0017981	0.001093569	0.001632953
0.002062986	0.001471396	0.00110641	0.00161741
0.005959452	0.000703024	0.000555929	0.000389462
0.000959288	0.000715104	0.00022558	0.000286752
6.0368208690755e-05	0.000308206	4.15226636600944e-05	0.000154829
0.001059513	0.00071714	0.000303649	0.000112289
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0.003612157	0.006010614	0.007881467	0.007706188
0.009216441	0.008053576	0.007897424	0.011395656
0.002958872	0.002757509	0.001398322	0.002069662
0.004681138	0.004944796	0.005532295	0.007552938
0.000217147	0.000615906	0.000414885	0.000632871
0.000926741	0.000244518	1.23533688238829e-05	2.51253258774305e-05
0.005029232	0.010632482	0.006512735	0.009283163
0.000217138	0.000342156	0.000608473	0.000731287
4.09759669680248e-05	0.000101695	0.000258355	5.97119411416635e-05
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0.000144845	0.000188298	0.000179883	0.000154788
0.010936885	0.010692313	0.011630756	0.018392783
0.000108611	0.0001198	4.15026936455528e-05	0.000196961
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0.002000836	0.004883211	0.004587405	0.006129758
0.00042231	0.000530464	0.000567117	0.000604858
0.002040897	0.00131873	0.000927545	0.001224829
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0.000122158	0.000173241	5.60152319498307e-05	2.84821285777207e-05
0.000296987	0.001179307	0.001089466	0.001107924
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0.000156936	0.000136962	6.91952232197849e-05	0.000168882
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0.000169024	0.000291072	0.000193765	0.000211122
0.000229378	0.000410905	0.000152236	0.000140741
0.00025608	0.000305061	0.000176138	0.000203005
0.009596126	0.012684134	0.004912949	0.004670347
0.00223423	0.00242124	0.001691397	0.000712594
0.000482484	0.000410549	0.000248898	7.03097015398132e-05
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Sheet1

0.002304504	0.001283324	0.001410815	0.001927022
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Sheet1

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32.70892369	50.19239359	40.73434673	68.6570881
40.8681972	95.77462457	73.4427638	121.5209389
30.15946137	86.09914999	64.37805108	94.263433
38.59016532	46.38715281	33.13900394	7.90966204
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33.73579092	31.19473544	30.0648083	3.344586284
6.363515265	0.844770218	2.849439077	0.322589695
3.627608869	0.685238755	1.581978323	0.167971462
8.795636199	2.286590702	7.867899596	1.636868167
6.549749709	3.992043026	6.87055731	3.845226707
47.62179703	46.37748101	50.15518207	21.90305525
10.85552264	14.49236348	11.406577	5.153006817
32.48479868	30.56940266	27.48635963	13.76312853
10.64375783	17.12169949	19.32843395	20.46590543
10.4643237	15.11709508	19.38741416	11.51494369
10.56660651	16.10927902	17.77820022	11.55215421
6.347878958	11.95780067	11.07340789	7.44708719
6.357323484	14.12888975	11.37435705	6.969706579
1.156205454	3.527703933	2.087396372	5.173359045
5.87700283	8.150423346	3.674639137	2.884475663
0.206552625	0.186452193	0.668941922	0.255904519
1.657678255	3.826512294	1.677662249	1.041553628
0.081123263	0.034150214	0.209584086	0.063271282
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70.04948254	3.132584967	47.5898059	2.552371984
13.93121389	0.47703566	8.366348592	0.401288676
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18.47056354	0.854374964	14.0939887	0.779213541
15.89459834	1.563868856	57.29011575	17.15453118
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18.31125202	1.391708036	39.8046195	9.329603667
0.224582159	1.653409765	0.267848117	0.20435406
4.61591519	26.44852929	5.246857335	4.154731847
0.218967561	0.277697103	0.640603741	0.248209874
0.51208856	0.703794355	1.56791185	0.753571573
0.87037444	0.328453103	0.830483565	0.44902982
0.334805352	0.10819965	0.455815079	0.212984247
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1.729386646	1.458040123	2.089189276	0.648982412
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1.119908166	1.147768886	0.922139043	0.180437523
0.227486227	0.998303362	0.391073193	0.193674997
0.365639581	0.971574466	0.490991335	0.26748822
0.422523509	1.044436425	0.631076824	0.306581305
0.759794487	1.75653869	1.12880738	0.534340559
0.56837394	1.389389851	0.91731684	0.347036335
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Sheet1

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0.421127483	0.597450821	1.03776225	0.675096406
0.066648238	0.084870079	0.315491569	0.202658113
0.204040393	0.252588221	0.400072837	0.280126372
0.093430476	0.203583205	0.094011711	0.070146052
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2.531252421	0.327366196	0.669780313	0.157058739
0.211292322	0.176385276	0.594520201	0.206150832
0.070125833	0.123548	0.208274297	0.099190716
0.08488366	0.311224794	0.244388298	0.119594624
0.060106982	0.099190966	0.261756312	0.147250788
0.068119211	0.110538532	0.26814946	0.13831323
0.115091929	0.154504164	0.441684308	0.197540673
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0.182704041	0.252958298	0.488665049	0.246005752
0.133239209	0.192785587	0.476073789	0.260896158
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0.266915941	0.303855262	0.617069933	0.243143805
0.226365059	0.237510802	0.339461447	0.100276802
0.216721869	1.018036035	0.411402045	0.209300554
0.060696023	0.4150403	0.175217879	0.120978108
2.651332342	1.77350725	2.212546284	0.994258292
0.008316942	0.016805558	0.048429917	0.037622954
0.086522586	0.23650013	0.330588463	0.207065861
0.031365105	0.074588058	0.152596671	0.098870896
0.055395186	0.118266379	0.159864722	0.119567117
0.09382497	0.159739708	0.242113476	0.176619089
0.339832831	0.459874069	0.385387119	0.114919873
0.992330912	0.541332142	1.764147651	0.466605188
7.660758345	8.004005655	1.970069951	0.672684039
0.447125316	0.544140256	0.436315481	0.190281667
0.561337904	2.367151712	0.719725573	0.414036369
1.433634137	4.826924182	2.848964797	1.22060113
1.18600842	2.604001936	1.840045068	1.130318165
2.70829766	4.081728235	2.848498386	1.596889817
0.095064936	0.182451503	0.273959078	0.135178906
0.045168213	0.099217329	0.160255307	0.085266429
0.051131008	0.171770229	0.19174629	0.099809198
0.045217856	0.243522742	0.13370985	0.079792079
0.482835825	0.764648997	0.968930455	0.421052769
0.846311155	1.039554665	0.97867032	0.268862758
0.007932948	0.014350145	0.014933374	0.006187224
0.062716804	0.056179448	0.109514697	0.054209217
0.019168511	0.028063363	0.01719484	0.01158121
0.062967407	0.282425305	0.130563731	0.089026392
2.510421332	23.4522027	1.93298314	0.599243941
0.291483345	0.91462818	0.440178589	0.086413252
0.245266593	1.514859562	0.4529725	0.075072059
0.225050929	1.720953945	0.554307158	0.180313314
0.411893129	5.883139023	1.025085863	0.349545702
0.15891245	3.49558108	0.626693427	0.249833147
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0.133757478	3.201062374	0.506894415	0.22127922

Sheet1

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0.075587879	1.229157196	0.141055722	0.050055296
0.278864135	4.64246813	0.676218222	0.151366371
0.174716292	2.646653239	0.431021148	0.09566213
0.14792997	2.366096237	0.350203903	0.076312022
0.34833725	4.128212999	0.673282496	0.111551622
0.510497395	3.065076271	0.780251862	0.122496244
0.084117221	0.087695975	0.127672065	0.024002338
0.115928231	0.162305149	0.228189602	0.046272266
0.228209863	0.194692882	0.977901248	0.551978855
0.100389922	0.146825745	0.126580827	0.084174802
0.00840536	0.018694675	0.02772822	0.022254799
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0.617528765	0.069603512	1.050269608	0.088592296
0.234289205	0.032665262	0.45616234	0.041283792
0.403534166	0.113412753	0.998061656	0.069678737
0.595378432	0.147562739	1.094630027	0.176787456
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0.204247869	0.199858401	0.618166307	0.196113679
0.692449028	0.748741692	0.470847093	0.185301698
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0.537930033	3.456955458	0.723419896	0.124798901
0.33317875	1.445498602	0.176289919	0.225857714
0.136009286	0.074250541	0.14839473	0.05166388
0.193272266	0.098033935	0.175534377	0.070820871
0.114748572	0.088578591	0.141783285	0.076690197
0.208594837	0.093684678	0.192852516	0.099289647
0.420309392	0.4313677	0.19729322	0.067665751
0.119605489	0.092146117	0.56866147	0.166380555
0.215359057	0.180337412	0.751990181	0.38667439
0.001492902	0.002900596	0.004905037	0.002183202
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0.064664716	0.102169639	0.202911761	0.131753315
0.117965924	0.190182583	0.27511059	0.151143256
0.085473493	0.127771812	0.145826523	0.073652063
0.020371883	0.013193676	0.030350312	0.01951262
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0.057291105	0.058438952	0.157401121	0.116703122
0.123326698	0.154338948	0.305027265	0.175974842
0.158304993	0.232525149	0.380986412	0.24268816
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0.040701142	0.051621173	0.151034218	0.118915721
0.03978981	0.043018493	0.134949437	0.089722335
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0.176697048	0.505603301	0.0859377	0.072845802
0.116130966	0.131245098	0.219056908	0.118722065
0.070245734	0.209193172	0.116445304	0.056342564
0.197115045	0.420538267	0.197425947	0.123702635
0.118319153	0.162332491	0.067081953	0.040055757
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0.33045966	0.293250471	0.271046067	0.113119941
0.766231039	0.030854488	0.10509587	0.040483178
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0.122729232	0.277728345	0.194136994	0.124888332
0.062433314	0.201663124	0.17591781	0.113322757
0.042161268	0.12976954	0.134613193	0.116475393
0.109633599	0.141276424	0.235343216	0.119578801
0.323591579	0.182253669	0.395728071	0.141194273
0.702479091	0.23858802	0.264294202	0.146046639
0.156183669	0.591505833	0.434101543	0.23932722
0.083309099	0.256283538	0.430694135	0.191711672
0.029788361	0.104951228	0.142106647	0.057708111
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0.062885414	0.045718715	0.092257713	0.020320931
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0.149536549	0.0806612	0.036560919	0.010775556
0.180867041	0.113084269	0.289915332	0.110942099
0.045767387	0.111543232	0.093077781	0.079950284
0.000534812	0.00051955	0.001621998	0.001355645
0.045425336	0.0753924	0.146336195	0.089760452
0.00528724	0.010015891	0.013229146	0.009381487
0.010032923	0.018851988	0.026424493	0.018739005
0.05365459	0.073406071	0.153574708	0.083490095
0.08606134	0.118874363	0.207012379	0.10837411
0.004176408	0.004310799	0.01081918	0.004377061
0.079257939	0.060713314	0.12780662	0.041650094
0.305569155	0.25804758	0.294931506	0.104443886
0.307499812	0.275966879	0.352895369	0.121170584
0.401954032	0.398056923	0.41707757	0.1710544
0.267788461	0.328359249	0.366992344	0.192320568
0.843122444	1.146587978	0.747005243	0.405282231
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0.320382856	0.556361997	0.18331502	0.046602227
0.422603704	1.996368583	0.258333191	0.07232694
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0.064482983	0.078590305	0.09551466	0.06208313
0.021585383	0.008021076	0.076196865	0.016099335
0.070535572	0.23393791	0.129282209	0.037747172
0.136713516	0.085022394	0.187351141	0.081019317
0.163769369	0.141242683	0.291379432	0.095616284
1.634431398	0.616379922	3.190772416	0.73538552
0.037869446	0.320331199	0.059410125	0.028095123
0.020019875	0.198285817	0.040477989	0.020190908
0.020277813	0.291369044	0.050264937	0.027878132
0.234057315	2.791823715	0.259302287	0.141598919
0.093761285	0.191985397	0.066098797	0.050817889
0.116993231	0.240731906	0.115640339	0.043371369
0.148258859	0.494671106	0.158550515	0.093280825
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0.890834024	1.788264923	0.45389448	0.159455944
0.2205652	0.806755341	0.137788624	0.05705352
0.003554784	0.033454219	0.00977035	0.005111831
0.042453189	0.447643957	0.128418233	0.080018111
0.206993987	1.731017275	0.44745458	0.259225355
0.021951178	0.172181446	0.051413822	0.032546097
0.017149962	0.130226373	0.034785071	0.020487202
0.024365108	0.146016256	0.041271926	0.014949281
0.018280729	0.111072797	0.027119773	0.011979988
0.452048473	1.869876818	0.611827275	0.3126697
0.337966492	1.54123579	0.463146656	0.241585632
0.092629285	0.391947614	0.158739147	0.114457895
0.063157014	0.267182938	0.071505752	0.057995446
0.116357813	0.27120652	0.138529239	0.020277946
0.09303401	0.197077925	0.203690357	0.102497526
0.07588952	0.21694389	0.166101781	0.080050393
0.068022751	0.23581432	0.188842197	0.100818497
0.079750832	0.270442963	0.178890545	0.094126248
0.068106303	0.281781305	0.13108516	0.072472208
0.175005814	0.865188011	0.223731467	0.078547686
0.139387017	0.671535868	0.135496989	0.034817819
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1.160755899	0.675505921	2.719299367	0.990686197
0.054089255	0.569546734	0.145397699	0.068047758
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0.100775871	0.141599932	0.197201699	0.053229039
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0.778105654	0.254954501	0.415178933	0.121934855
0.035096924	0.031617477	0.101286058	0.064295888
0.036824925	0.023223469	0.056973202	0.025626957
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0.038057704	0.061197765	0.116333981	0.071082323
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0.11575508	0.439043118	0.250157925	0.190949134
0.03019203	0.08733108	0.057315533	0.051033229
0.031762992	0.096144487	0.049830233	0.030286785
0.058224248	0.168374745	0.127386867	0.089542591
0.127157898	0.343749398	0.183920396	0.145122116
0.173413096	0.268853709	0.259913997	0.112971532
0.053540751	0.050900244	0.115393234	0.04280068
0.012490927	0.011393428	0.028436291	0.014278606
0.005998904	0.009342834	0.022718043	0.012848093
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0.278869376	0.088628579	0.343155195	0.086853847
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0.077692353	0.075747661	0.106330374	0.057605715
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0.175854541	0.101834158	1.750853757	2.469170107
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0.079831259	0.110584909	0.086122717	0.055993998
0.004983444	0.003675747	0.031534072	0.07996705
0.995225676	0.08305988	0.607285013	0.072433448
0.349222976	0.058074221	0.315911911	0.066750362
0.43744776	0.083730615	0.360004437	0.099764459
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0.270625979	0.137496726	0.802304402	0.238633984
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0.238744223	0.121776981	1.195240936	0.26085832
0.015026702	0.007562754	0.033585298	0.009248858
0.085547856	0.024484389	0.117991095	0.020150527
0.15309478	0.051384369	0.174720223	0.035631671
0.247438325	0.093494503	0.194406887	0.046019452
0.150992126	0.10483582	0.118240831	0.040023271
0.394779952	1.063363475	0.509912154	0.455949171
0.096636951	0.083428939	0.234485138	0.041880498
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0.102544863	0.097825842	0.456420058	0.071891868
0.04405834	0.020847412	0.161869081	0.026711491
0.051693827	0.027314847	0.187234214	0.044744903
0.139732363	0.125354794	0.213430939	0.102947102
0.48647783	0.368238219	0.441316157	0.195628644
0.234459923	0.398890283	0.244471496	0.101568966
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0.070104221	0.036716001	0.083174398	0.086627762
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0.259348936	0.30063522	0.170477247	0.186509691
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0.127610563	0.097255557	0.495387928	0.689444178
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0.323674139	0.239007247	0.415803531	0.076512454
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0.040674475	0.043183963	0.184632155	0.099998471
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0.047180953	0.03138499	0.098951797	0.037546756
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0.041992114	0.042171403	0.075664419	0.037482763
0.132220497	0.049989857	0.213963567	0.080513974
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0.044073198	0.020496757	0.056642471	0.020234607
0.088382343	0.088055826	0.125751424	0.053796863
0.007089106	0.007340874	0.022760171	0.009964492
0.078050277	0.252341012	0.123219721	0.078906956
0.059948166	0.339730572	0.104786797	0.084221088
0.079000686	0.042944886	0.037046918	0.02364747
0.284756853	0.149104229	0.161690916	0.120847516
2.214237913	0.611548486	2.57619603	0.029043373
0.046013058	0.164147729	0.08405509	0.048785404
0.049971891	0.190842914	0.124056964	0.080989501
0.072793266	0.713897466	0.162822681	0.116224001
0.203164975	2.056485474	0.435202693	0.364378846
0.056027916	0.718049853	0.122415487	0.106936775
0.03413562	0.288946904	0.07461664	0.065790213
0.048407652	0.050779471	0.06900261	0.033500975
0.185835975	0.476016355	0.382610433	0.099002718
0.011315952	0.01692925	0.030201087	0.015592183
0.082673605	0.231986684	0.114873045	0.145621774
0.412167617	1.638731834	0.60074021	0.660820336
0.262013958	0.650538784	0.292024019	0.34490375
0.015668412	0.015942658	0.028376701	0.017027508
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Sheet1

0.192315359	0.311761898	0.205192304	0.168866398
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0.124006182	0.164703096	0.24424642	0.178435825
0.378373016	0.161835841	0.905212134	0.724273304
0.575251626	0.220501046	1.001056496	0.670277503
3.015518213	0.13315414	2.059948814	0.048550839
2.053955694	0.07788319	1.242867707	0.024180778
18.14727631	0.714358229	9.363820803	0.145183651
6.779326531	6.791440905	6.12140309	0.899347904
0.068508107	0.090498048	0.123491661	0.164254594
0.064656373	0.051557254	0.059654754	0.015981132
0.141392616	0.108410617	0.17964399	0.036044753
0.046112809	0.172667681	0.105491285	0.057915835
0.058445998	0.120338762	0.106019528	0.088025
0.025134138	0.030765251	0.080946558	0.080260779
0.437703455	0.899771751	0.899352681	0.188727261
0.222680843	0.569463657	0.472783812	0.075877003
0.859327997	0.841990081	0.743112817	0.258002578
0.354437287	0.394154097	0.39570188	0.125440529
0.085534354	0.108477372	0.100138687	0.042070422
0.016163937	0.024607623	0.040109366	0.068819496
0.076367585	0.093193443	0.075932016	0.085337886
0.677215677	1.072526804	0.910187102	0.765983343
0.366633388	0.573601329	0.439039696	0.31073494
1.003916221	1.01007356	0.976436375	0.70820437
0.002081694	0.004516441	0.006804479	0.010769856
0.081093955	0.11475733	0.066467788	0.043779187
0.144122982	0.149670462	0.135096515	0.061515897
0.831939133	0.640197637	0.416256622	0.195922126
0.091581605	0.223508371	0.086338503	0.065550827
0.163663571	0.549793113	0.140037177	0.115702269
0.037785468	0.149065258	0.037240635	0.0291007
0.034122316	0.135482357	0.05478341	0.055123913
0.008171564	0.025717682	0.010240912	0.009006938
0.028514643	0.114732799	0.039048985	0.039852723
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0.110460858	0.299905317	0.096190202	0.052254936
0.158963346	0.527463123	0.14349947	0.095354663
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0.653832791	0.864293147	0.61547767	0.298139979
0.468713039	0.76888473	1.156472383	0.600069777
0.341460229	0.468433339	0.544300999	0.280795153
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0.625836519	1.098528595	0.958878743	0.453547674
0.438338516	0.849290066	0.656044049	0.261907562
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0.105517586	0.07259006	0.071092864	0.073949866
0.876394682	1.079205314	0.695492471	0.600164956
0.345913296	0.565476639	0.43370864	0.274251002
0.460935412	0.626087979	0.646750908	0.367488679
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0.076757006	0.185983524	0.133575139	0.109158403
0.030528626	0.056781578	0.054910003	0.046380867
0.255048968	0.193697968	0.288673448	0.143369201
0.149932284	0.19751411	0.214268955	0.103075919
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0.090323832	0.016739459	0.171556696	0.109261045
0.367720303	0.115195408	0.465701193	0.112289165
0.327183999	0.092414167	0.351202778	0.075500773
0.449688376	0.501434404	0.213614308	0.077939995
1.966944969	0.094259643	2.963447823	12.35299799
3.183053685	0.144251894	5.177927497	18.73382658
5.467505816	0.236914903	8.576187694	30.31872353
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0.968328262	1.313247727	1.067734896	0.539122425
0.561521645	0.690304117	0.49025834	0.293188257
3.084930681	1.867031387	1.756988242	1.52062375
0.195214596	0.349817165	0.161847603	0.160095151
0.311721518	0.583593548	0.26195993	0.22598013
0.124906354	0.272755277	0.136094735	0.114032548
0.128881387	0.335748809	0.128099153	0.120398137
0.148975216	0.351079464	0.164479749	0.124219532
0.05079835	0.192255446	0.062415279	0.085334671
0.311164739	1.040055726	0.578989377	0.328130161
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0.863652148	1.783668149	0.481978968	0.131168263
8.654115484	23.22143465	10.62794834	8.973268928
8.295335275	26.45656182	10.00168257	7.138422735
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0.556543495	0.283546152	0.435699703	0.216583785
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0.248292318	0.13120702	0.350438162	0.118244007
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0.147292181	0.072572412	0.122477407	0.035244453
0.065230043	0.237215795	0.066001736	0.044014901
0.02755767	0.050937402	0.030570236	0.014551385
0.024908595	0.043301253	0.032672203	0.017382241
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0.563658977	0.652184934	0.538515317	0.242360305
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0.345249537	0.153898764	0.400692595	0.321596702
0.161894307	0.146351638	0.329796183	0.077842858
0.539004149	0.361602383	0.948268712	0.202084473
0.732393457	0.376442014	1.074943074	0.19705965
0.02825623	0.020801847	0.064439744	0.030388564
0.414112613	1.108461271	1.567653301	0.364465893
0.01310108	0.021300761	0.032418479	0.033475895
0.037802008	0.073659026	0.088487998	0.058497257
0.020666598	0.029902777	0.044438646	0.035520857
0.009891182	0.020598105	0.015910714	0.014661867
10.83045454	0.412969217	22.70002312	0.602366748
0.780595291	0.681253709	0.825271817	0.408966286
0.078233187	0.206808274	0.086789404	0.039207156
0.092860431	0.241212475	0.082499457	0.049145923
0.132215773	0.334457432	0.124382267	0.037494468
0.297168608	0.826386733	0.532828609	0.172034727
0.068127718	0.059612467	0.070022184	0.029754212
0.071400345	0.052350228	0.072728246	0.02706411
0.246187999	0.29740775	0.308405051	0.436421225
0.809786903	1.154898246	0.833664212	0.355599826
1.240135184	1.072420959	0.9679847	0.506287653
0.155096735	0.312638935	0.230152769	0.263751364
0.152907117	0.407792939	0.314191492	0.221616965
0.200201905	0.608315072	0.382436104	0.318871655
0.596764125	0.627470498	1.134476513	0.428446382
0.345772464	0.036455195	0.93932675	1.2869667
0.11755396	0.017207396	0.604635157	0.765134499
0.001701606	0.00201465	0.008009823	0.006055126
0.093607353	0.326411868	0.130480556	0.0710651
0.017949526	0.067022962	0.025051094	0.016683834
0.042250651	0.136336917	0.060300831	0.034190259
0.025510182	0.091688931	0.034332464	0.02191489
0.02004616	0.072925333	0.026291907	0.019008629
0.008227062	0.021825074	0.008583682	0.010982284
0.02449739	0.055938774	0.024179665	0.016476784
0.015941216	0.037412421	0.014413706	0.008493963
0.014714357	0.036042416	0.021091202	0.012705922
0.01557925	0.03663911	0.028158673	0.019555964
0.014144707	0.024682995	0.022349623	0.011644914
0.054631036	0.082658097	0.054170951	0.022855367
0.016006863	0.030337868	0.019460778	0.006282996
0.049013213	0.082335496	0.060273103	0.022047981
0.283262891	0.576701037	0.605358794	0.38808831
0.220306218	0.400817937	0.459650989	0.27991738
0.072159593	0.0721725	0.066006835	0.077298991
0.420936198	0.309731024	0.357059709	0.263364662
0.098434529	0.077790127	0.07591846	0.070341572
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0.098056851	0.102566985	0.090024197	0.040274933
0.162229383	0.119863176	0.116363975	0.043731105
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0.310394399	0.289401675	0.435844705	0.487955722
0.046425155	0.022649047	0.158193982	0.091117636
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0.081323066	0.056493531	0.090311458	0.042587908
0.018690935	0.019682968	0.033643224	0.016987691
0.025697296	0.01587275	0.04924675	0.044582394
0.134230562	0.138868085	0.359217147	0.21936546
0.018429287	0.021572077	0.051718833	0.020971521
0.015550568	0.016671247	0.036478292	0.017702131
0.09619232	0.080864023	0.211797508	0.076003161
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0.082578304	0.06255151	0.176842305	0.050141421
0.667984657	0.237756981	1.012590476	0.697272079
0.085482437	0.209080819	0.241759396	0.075087492
0.023837696	0.053744516	0.054723909	0.026493563
0.025148975	0.091653438	0.062482433	0.040970335
0.409819546	0.516955049	0.587399629	0.31607975
0.111670528	0.016101923	0.141553631	0.047426396
0.137625169	0.131826079	0.115659917	0.095318605
0.518675131	0.413201029	1.122963263	0.678406901
0.552734085	0.664921874	0.404962699	0.202395913
0.191283331	0.237723625	0.255086649	0.175217203
0.182819176	0.213589434	0.282686535	0.121693462
0.103208461	0.126745923	0.127783177	0.063326394
0.537938224	0.499869643	1.022220786	0.350192592
0.763625099	0.999167794	0.838968422	0.692399023
0.317687024	0.412093065	0.190181091	0.084286609
0.001166619	0.001133326	0.002358775	0.002047259
0.386269691	0.172371014	0.29987692	0.042583944
0.146418535	0.137580327	0.219337685	0.05279092
0.234364818	0.175562366	0.3455412	0.060326527
0.163241928	0.161867639	0.225376372	0.039514067
0.02492274	0.036481159	0.072321381	0.039478057
0.020419729	0.033545108	0.056476746	0.028772269
0.011985187	0.018844145	0.025157274	0.01539184
0.965936962	0.453138917	1.358615199	1.578756419
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0.170181928	0.214486133	0.168804847	0.101768433
0.092928703	0.046182695	0.230251777	0.399956377
0.161854054	0.113489173	0.202012224	0.137286336
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0.135783703	0.109492573	0.149486598	0.090058494
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0.101128487	0.045188825	0.036995855	0.017300486
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0.284404166	0.223026494	0.150037605	0.110399174
0.001073769	0.002131606	0.002171043	0.001784187
0.210349701	0.116193642	0.190495838	0.105251629
0.419149753	0.212866859	0.360379185	0.173769429
0.13383426	0.064125624	0.090968048	0.064735428
0.21368341	0.195894864	0.243688443	0.189164278
0.098012421	0.112445242	0.14179835	0.135940348
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0.00305814	0.002970868	0.007494816	0.004336665
0.214107802	0.369123848	0.230962452	0.153015124
0.096942959	0.160616879	0.136971712	0.104265592
0.014054136	0.034536859	0.035893794	0.028340946
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0.025752738	0.019424041	0.028509725	0.013508268
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0.020277762	0.029680534	0.02351975	0.01507409
0.835555357	0.164957543	0.512884917	0.072612794
0.269388248	0.144702409	0.202131329	0.045857456
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0.376682225	0.907091183	0.275319136	0.25847021
0.328440855	1.396456992	0.303404071	0.421517352
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0.079890848	0.369021343	0.122187981	0.224539545
0.44992462	0.535982742	0.44248636	0.406504953
0.02393039	0.059612229	0.094651852	0.04872869
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13.46179455	1.01460653	2.060407745	0.166757567
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0.1614492	0.097139619	0.138033825	0.107355246
1.25938888	0.541765787	0.65340756	0.058872138
0.254756361	0.112630242	0.129843961	0.016052657
0.361782622	0.258181787	0.246460126	0.033898796
0.005860805	0.011173058	0.009622478	0.006220788
0.03818806	0.074025557	0.059465743	0.033867743
0.049100706	0.079726886	0.06923562	0.029278826
0.029396375	0.037265575	0.029096217	0.010624062
0.13597522	0.199080239	0.128012312	0.043578069

Sheet1

0.179659935	0.371419854	0.180607201	0.064028352
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0.471376311	1.102715102	0.957462765	0.725397216
0.041676838	0.086662576	0.139244946	0.120111137
0.109880982	0.191081941	0.224573582	0.220580264
0.124802642	0.057410094	0.158267592	0.036826261
0.188978357	0.091499268	0.222102743	0.063836125
0.010438215	0.005866308	0.013081565	0.003263201
0.058294732	0.032163471	0.202478037	0.081597743
0.002152114	0.002843348	0.005874306	0.003592032
1.620392653	1.44643753	0.562310046	0.069204847
0.159539101	0.231416627	0.108983567	0.046105359
0.393183842	0.680581502	0.356243909	0.150204825
0.746302173	0.889186891	1.178776403	0.260992786
9.244462334	7.704888868	10.91196876	1.839799687
2.700492164	4.717458603	2.811297181	1.333703657
0.00306552	0.004384332	0.006025974	0.004350149
0.00085103	0.000330697	0.001161465	0.000531002
0.012407896	0.033560758	0.033807853	0.013256733
0.012264618	0.017768852	0.027800894	0.01271009
0.011955188	0.0222396	0.039858211	0.012862285
0.030857193	0.035198859	0.070563013	0.021755824
0.066651872	0.179130093	0.052288979	0.037899842
0.107157191	0.280415329	0.08774861	0.066841183
0.022071016	0.029722448	0.018686257	0.011289533
0.126094052	0.218952715	0.17608647	0.102092936
0.130182678	0.102696074	0.235241557	0.034129582
0.320719773	0.499503668	0.64939491	0.584233313
0.132724538	0.234686306	0.098088467	0.06248983
0.025570967	0.070410631	0.025723709	0.018864894
0.015703371	0.048979465	0.020785989	0.015970985
0.317128228	0.944296326	0.393458844	0.269642782
0.141789735	0.125258099	0.133386184	0.060370748
0.05097716	0.02494341	0.097002309	0.126234424
0.194226288	0.241246205	0.242924156	0.063348806
0.020204065	0.012479204	0.045767578	0.020070323
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0.300418828	0.190048336	0.517128297	0.090208356
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0.008844535	0.006705075	0.016253183	0.011282115
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0.003423352	0.002083544	0.007964059	0.002444828
0.071384523	0.029531655	0.081868452	0.027596874
0.136688346	0.077426104	0.155114291	0.071885468
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0.233608154	0.539330123	0.464484157	0.77764227
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0.504661923	0.491288214	0.285896478	0.158655274
0.217508646	0.265064991	0.124270957	0.086106312
0.079648975	0.105483977	0.043875587	0.028937175
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0.063846465	0.08700595	0.068526036	0.044531597
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9.276749474	11.25687835	6.109850958	7.095359328
9.639526785	11.93151929	4.118409812	6.489661349
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0.896584169	0.430073373	1.339494817	0.748153795
1.891465235	1.213393587	2.907492597	1.639414237
0.321469217	0.233780525	0.537630077	0.29098581
0.023471228	0.114007058	0.02838616	0.00918379
0.014568076	0.085258262	0.01679734	0.005374026
0.064064304	0.417581369	0.067469026	0.024814457
0.002161391	0.001374355	0.004648192	0.004444264
0.019871516	0.010911198	0.04851536	0.03203859
0.122032133	0.078372346	0.142606814	0.050618649
0.980220626	1.782373681	5.250801974	5.46305247
0.087605605	0.017777601	0.0321981	0.01727917
0.062312402	0.022671964	0.029845669	0.018020202
0.013324432	0.021850385	0.012527743	0.004423527
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0.031454779	0.017369712	0.033210603	0.012130295
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0.046290394	0.019079055	0.029409692	0.009093911
0.006117539	0.007184209	0.007750191	0.000845549
0.072571272	0.076403471	0.139296764	0.026383726
0.057592281	0.012324501	0.036247402	0.006847888
0.02613909	0.009466082	0.111642499	0.032902565
0.390148758	0.077679268	0.311825296	0.041636875
0.231573108	0.033744679	0.18096525	0.009181168
0.386762998	0.200769143	0.256024703	0.011760486
0.049774622	0.011414876	0.057135119	0.014062176
0.053454369	0.033497693	0.077616031	0.03727896
0.152894991	0.154620912	0.293003606	0.060794159
0.195696476	0.203216453	1.017049408	0.508551922
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0.008135402	0.019422574	0.010978857	0.005357441
0.044581186	0.078723213	0.042472715	0.020748782
0.004137243	0.005805475	0.004376161	0.002599368
0.046433285	0.055818123	0.056538775	0.021287241
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0.715837192	0.101463229	0.339028337	0.010420677
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0.847847831	1.678654255	1.706347493	0.619272429
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0.018237303	0.00473183	0.014428888	0.003651711
0.065926988	0.025523024	0.13844153	0.069793562
0.062490351	0.042641194	0.151732524	0.082033739
0.002634609	0.003400377	0.011719159	0.006223221
0.062598196	0.112163956	0.083579617	0.1452956
0.024074922	0.051044682	0.038083369	0.071417031
0.085231679	0.168367193	0.108909258	0.207469384
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0.051032143	0.020099279	0.044026076	0.022293796
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0.038848878	0.107414467	0.02666106	0.024909929
0.091335475	0.323056071	0.090072034	0.075572059
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0.049291352	0.067146572	0.052453526	0.039745047
0.338767579	0.229647233	0.208860243	0.076728124
0.477395163	0.280986452	1.231846524	1.412882713
0.072093357	0.073591647	0.165910302	0.140628914
0.96580682	2.454921692	0.801953904	0.50957697
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0.562350037	0.325789741	0.278644702	0.041659486
0.028246122	0.017925117	0.039940305	0.017681447
0.177383806	0.359849239	0.171987738	0.038625572
0.033787075	0.081345175	0.026932809	0.008517206
0.240697853	0.557638458	0.182351132	0.069298955
0.170882674	0.312904029	0.11720149	0.058341311
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0.139863985	0.274974306	0.112739188	0.039941997
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0.010120052	0.019591768	0.006293056	0.003946517
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0.004951253	0.004774846	0.007526436	0.001691247
0.016929945	0.021566702	0.036529553	0.013176188
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0.037335498	0.045604478	0.028818887	0.026049879
0.552678092	0.575693512	0.939967095	0.798974346
0.151451452	0.161660237	0.340250393	0.381976256
0.235391783	0.116877939	0.287062502	0.165177201
0.046740899	0.020648893	0.077791982	0.040084114
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0.010788153	0.009935853	0.022237379	0.022619758
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0.069693332	0.063769713	0.048782752	0.011437766
0.156941415	0.756148391	0.332969198	0.310594606
0.27033548	0.761106207	0.431906413	0.350594413
0.028190027	0.012779922	0.013651167	0.005673068
0.098014859	0.035993654	0.068412637	0.009867461
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0.226588103	0.1465233	0.155948602	0.012899448
0.223893967	0.153101118	0.178407374	0.0120216
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0.013025538	0.008067646	0.027207113	0.012013585
0.01005111	0.008226066	0.018999903	0.009020522
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0.029610873	0.019288467	0.045701178	0.017870265
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0.068999152	0.063686842	0.147879231	0.146457078
0.031764797	0.04901608	0.028739453	0.025677465
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0.276820159	0.244571341	0.154350599	0.039544529
0.152262908	0.08970554	0.173123825	0.037467329
0.048967293	0.037670376	0.044675318	0.016918648
0.3556842	0.334858264	0.212165495	0.064215823
0.070203222	0.16378379	0.095737028	0.108723414
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0.052459645	0.084809156	0.174039154	0.145279243
0.174465397	0.235066282	0.246657677	0.374354147
0.22163726	0.296695888	0.31155854	0.363137555
0.003861913	0.007054483	0.002602788	0.007851952
0.001583299	0.000961322	0.004501768	0.002804203
0.022178301	0.018828234	0.040584086	0.013987049
0.008914342	0.005048973	0.015795784	0.004310131
0.013773398	0.010155005	0.023428462	0.005973711
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0.127642919	0.227264826	0.055852137	0.038486645
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0.037892706	0.056997167	0.104138028	0.045658183
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0.012011368	0.015663814	0.019006174	0.037727157
0.084226857	0.129384536	0.147395611	0.262691332
0.142390361	0.339716349	0.241614306	0.402806211
0.078614167	0.186220684	0.138045222	0.187340914
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0.1835842	0.972236031	0.644168911	0.051411946
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0.14821088	0.040528062	0.203857837	0.206284005
0.199046235	0.027148974	0.236230363	0.028139257
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0.258208373	0.145328001	0.295168519	0.071342835
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0.126941857	0.30035551	0.174397216	0.083757909
0.10857913	0.172322129	0.056176673	0.007057101
0.918154723	1.096882912	0.568906527	0.106811513
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0.249002764	0.105239605	0.289657557	0.138482293
0.073334451	0.03935253	0.069323006	0.04632667
0.133501453	0.095559004	0.1352191	0.119209856
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0.030665466	0.028590111	0.02369919	0.027178665
0.057458365	0.056679746	0.061767712	0.048196741
0.155788832	0.160211199	0.235953535	0.103472221
0.101907341	0.087539624	0.1847458	0.056776099
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0.001157737	0.001702246	0.00284694	0.001610695
0.010135627	0.012642264	0.029221678	0.015810363
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0.173900515	0.242620833	0.135131886	0.068351122
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0.251595383	0.252669028	0.297357128	0.292796199
0.363523669	0.334307652	0.431869432	0.222872794
0.736916303	0.64713027	1.102890827	1.335264672
0.067483731	0.059221334	0.110818342	0.202383705
0.018885191	0.01279133	0.028997177	0.03883622
0.223366798	0.242612694	0.249632144	0.169443722
0.998532266	0.386144375	1.945566198	1.181306841
1.769937332	4.40586216	2.006575855	2.346441734
1.964732314	4.045790737	2.09400181	2.108595019
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2.232277229	4.907269124	2.932552669	2.211671447
0.045074633	0.09279305	0.06256679	0.0247692
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0.142551111	0.22703598	0.125872931	0.033851296
0.070271366	0.149465624	0.0725566	0.015444435
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0.159759787	0.697028467	0.126547348	0.06671475
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0.329445309	0.180020924	0.623537952	0.281593778
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0.150589139	0.121225568	0.164628412	0.065772281
0.022195737	0.027731297	0.022378108	0.02273136
0.009851069	0.012536914	0.007930787	0.005931744
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0.002161785	0.005235847	0.00377214	0.002586836
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0.051233906	0.076172004	0.085422546	0.128480174
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0.348575796	0.104112843	0.584229491	0.224207882
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0.019403702	0.02302679	0.044058557	0.017790292
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0.028100518	0.032354883	0.133056173	0.012782954
0.043345748	0.05229983	0.065562364	0.013319905
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0.06108628	0.286723388	0.175393322	0.289618886
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0.181298387	0.585402071	0.245698601	0.141283464
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0.026869175	0.018993733	0.030464015	0.012537857
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0.341845371	0.281215182	0.516163933	0.151611217
0.704733452	0.517534387	1.20075786	0.302049875
0.351553479	0.338006803	0.923892365	0.21533101
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0.127180706	0.362454746	0.146872373	0.110892451
0.274852257	0.703244887	0.336657358	0.211042361
0.151372841	0.265647657	0.136456641	0.103357116
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0.01915905	0.014544827	0.021352863	0.017464983
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0.010605984	0.042135936	0.015487431	0.028286781
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0.01071162	0.036302522	0.014819365	0.006442127
0.060691782	0.214819388	0.097572811	0.049299818
0.078322806	0.156743253	0.115191722	0.078111367
0.265054198	0.10609571	0.289114676	0.084800422
0.054242443	0.026170416	0.057587577	0.018415012
0.10431144	0.097900124	0.11414308	0.060135542
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0.011679482	0.024444234	0.0121349	0.004889791
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0.093033652	0.039555798	0.137509999	0.045509639
0.025830469	0.040563286	0.057009825	0.053359959
0.121257637	0.12448627	0.115903451	0.027056486
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0.012971469	0.015641137	0.025488297	0.005870207
0.049010819	0.090432316	0.068825681	0.008016931
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0.021356925	0.037548731	0.028523082	0.015110619
0.036103703	0.052409581	0.044928096	0.027235839
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0.064670571	0.056231527	0.093365961	0.022728166
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0.084974807	0.063925447	0.552124658	0.361474152
0.015848325	0.013396562	0.120350664	0.035466237
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0.026098068	0.016156898	0.054221649	0.034074472
0.097270282	0.078332989	0.274587513	0.294019551
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0.031777979	0.067903184	0.040095194	0.02292339
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0.013300531	0.013251931	0.014479363	0.004889205
0.010178086	0.007385938	0.012823979	0.003698163
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0.06704953	0.051200848	0.07693224	0.041665028
0.067134091	0.031887676	0.071090331	0.041871604
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0.272605612	0.310344059	0.124117984	0.039191267
0.501812769	0.691904517	0.255721656	0.069805964
0.589426673	0.780345688	0.299613045	0.083444675
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0.133011813	0.208341622	0.088403672	0.03877844
0.542246776	0.6923468	0.348766315	0.140973328
0.615294072	0.828578015	0.402236507	0.161529393
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0.048223844	0.109190648	0.067335877	0.045107095
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0.003463513	0.029588569	0.029628443	0.023817094
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0.003947839	0.013609103	0.022638185	0.011440987
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0.393108537	0.904650209	0.269368126	0.152474005
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0.040831286	0.059614089	0.031144818	0.011090682
0.047989706	0.088271812	0.039955059	0.017689093
0.03807858	0.033799643	0.029127309	0.005576894
0.736355264	0.40097614	0.618364107	0.093076436
0.142950035	0.069594755	0.120962136	0.024121703
0.062322323	0.124657967	0.099761464	0.031705555
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0.092419358	0.083118663	0.064846106	0.014238333
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0.021720663	0.017528921	0.036482687	0.011603438
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0.01150266	0.047592785	0.013187842	0.010286509
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0.089931189	0.126028574	0.060927246	0.059158812
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0.002270307	0.003473057	0.002822778	0.001210998
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0.074106446	0.246763788	0.056786221	0.020241103
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0.001124704	0.005048601	0.000588111	0.000463808
0.017017095	0.041523224	0.014499405	0.004756668
0.007853122	0.024819382	0.007939075	0.00389862
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0.009318288	0.005654594	0.010150937	0.004076761
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0.007669632	0.105108473	0.008788239	0.00477957
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0.041317257	1.942256351	0.037418226	0.020573733
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0.055064865	0.150502198	0.031290758	0.009942593
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0	1.2024139846704e-05	1.25128334564394e-05	1.9307201032566e-05
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0.03529421	0.05241423	0.049101274	0.014659431
0.053252718	0.064489416	0.067921405	0.019173948
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0.035848714	0.034346474	0.055277934	0.014744564
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0.004584059	0.007072794	0.006921718	0.004535408
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Sheet1

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